

# **AXIS EXPLORATION**

**ARAPAHOE COUNTY**

**Sec 4-T4S-R65W**

**JAMASO 4-65 5-6-9**

**ORIGINAL WELLBORE**

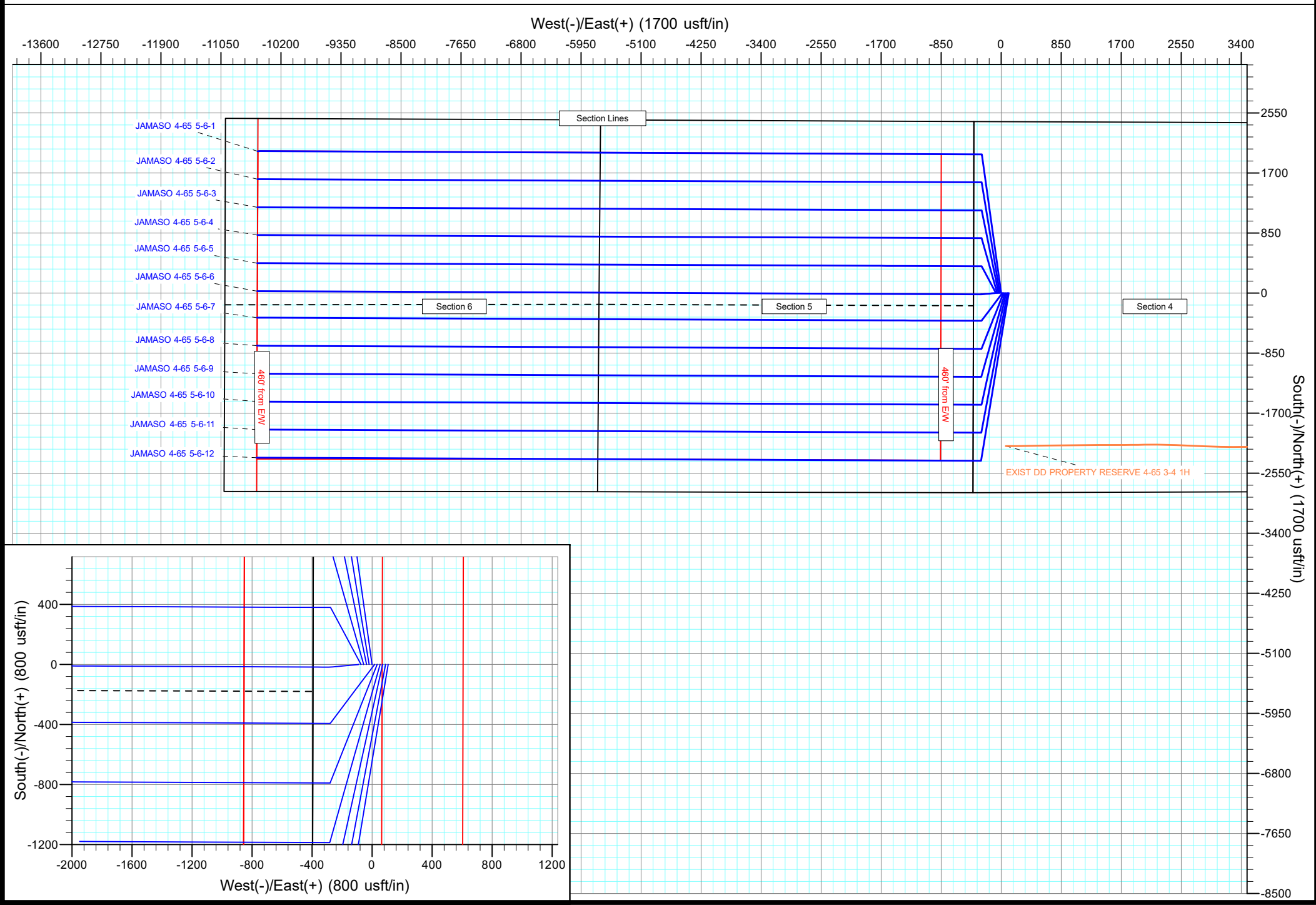
**PROPOSAL 1**

## **Anticollision Report**

**12 April, 2018**



Project: ARAPAHOE COUNTY  
Site: Sec 4-T4S-R65W  
Well: JAMASO 4-65 5-6-1  
ORIGINAL WELLBORE  
PROPOSAL 1



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 9,999.98 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	4/12/2018		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	17,890.11	PROPOSAL 1 (ORIGINAL WELLBORE)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Sec 4-T4S-R65W						
EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbo	7,705.36	16,985.00	1,163.72	922.84	4.831	CC, ES, SF
JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPO	200.00	200.00	53.44	52.45	54.207	CC
JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPO	300.00	299.70	53.70	52.00	31.563	ES
JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPO	17,890.11	18,239.20	3,156.13	2,599.93	5.674	SF
JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPO	644.48	644.54	16.48	12.33	3.975	CC
JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPO	17,890.11	18,155.07	433.05	-76.03	0.851	Level 1, ES, SF
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	496.73	496.88	35.93	32.85	11.662	CC
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	500.00	500.15	35.93	32.83	11.576	ES
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	17,890.11	18,212.64	801.74	251.97	1.458	Level 3, SF
JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPO	323.11	323.34	52.72	50.86	28.305	CC
JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPO	400.00	399.81	53.19	50.76	21.910	ES
JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPO	17,890.11	18,210.73	1,187.53	629.32	2.127	SF
JAMASO 4-65 5-6-2 - ORIGINAL WELLBORE - PROPO	400.00	400.00	73.12	70.71	30.221	CC
JAMASO 4-65 5-6-2 - ORIGINAL WELLBORE - PROPO	500.00	499.55	73.43	70.29	23.425	ES
JAMASO 4-65 5-6-2 - ORIGINAL WELLBORE - PROPO	17,890.11	18,087.35	2,757.14	2,201.13	4.959	SF
JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPO	600.00	600.00	90.00	86.15	23.355	CC
JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPO	700.00	699.33	90.36	85.80	19.785	ES
JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPO	17,890.11	17,883.25	2,356.82	1,800.25	4.235	SF
JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPO	912.34	910.68	108.57	102.53	17.979	CC, ES
JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPO	17,890.11	17,997.37	1,971.74	1,417.71	3.559	SF
JAMASO 4-65 5-6-5 - ORIGINAL WELLBORE - PROPO	1,057.75	1,055.35	122.73	115.67	17.373	CC, ES
JAMASO 4-65 5-6-5 - ORIGINAL WELLBORE - PROPO	17,890.11	17,918.41	1,572.08	1,017.81	2.836	SF
JAMASO 4-65 5-6-6 - ORIGINAL WELLBORE - PROPO	1,173.43	1,171.28	138.02	130.11	17.447	CC
JAMASO 4-65 5-6-6 - ORIGINAL WELLBORE - PROPO	17,816.84	144,341.87	1,169.30	-2,771.20	0.297	Level 1, ES, SF
JAMASO 4-65 5-6-7 - ORIGINAL WELLBORE - PROPO	938.77	938.50	35.18	28.95	5.647	CC
JAMASO 4-65 5-6-7 - ORIGINAL WELLBORE - PROPO	17,817.58	27,921.05	814.46	11.44	1.014	Level 2, ES, SF
JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPO	875.23	875.12	18.94	13.16	3.273	CC
JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPO	17,890.11	17,959.69	419.05	-112.53	0.788	Level 1, ES, SF

<b>Offset Design</b>	Sec 4-T4S-R65W - EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbore #1 - Wellbore #1										<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b>	83-MWD										<b>Offset Well Error:</b>	0.00 usft
<b>Reference</b>	<b>Offset</b>	<b>Semi Major Axis</b>		<b>Distance</b>				<b>Minimum Separation</b>	<b>Separation Factor</b>	<b>Warning</b>		
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre +N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 83-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	16,971.65	8,060.77	0.00	249.39	179.33	-2,164.57	25.32	8,245.02					
100.00	100.00	16,972.09	8,060.77	0.13	249.40	179.34	-2,164.57	24.89	8,148.57	8,048.82	99.74	81.695		
200.00	200.00	16,972.52	8,060.78	0.49	249.41	179.35	-2,164.56	24.45	8,052.20	7,951.95	100.26	80.314		
300.00	300.00	16,972.96	8,060.78	0.85	249.43	179.36	-2,164.56	24.01	7,955.93	7,855.13	100.80	78.928		
400.00	400.00	16,973.39	8,060.78	1.21	249.44	179.38	-2,164.56	23.58	7,859.75	7,758.39	101.36	77.539		
500.00	500.00	16,973.83	8,060.78	1.57	249.45	179.39	-2,164.56	23.14	7,763.67	7,661.71	101.96	76.147		
600.00	600.00	16,974.27	8,060.78	1.93	249.46	179.40	-2,164.56	22.70	7,667.68	7,565.11	102.57	74.753		
700.00	700.00	16,974.70	8,060.79	2.29	249.47	179.41	-2,164.56	22.27	7,571.80	7,468.59	103.22	73.357		
800.00	799.98	16,975.61	8,060.79	2.63	249.50	-18.48	-2,164.55	21.36	7,475.57	7,371.70	103.87	71.972		
900.00	899.84	16,977.44	8,060.80	2.96	249.55	-21.12	-2,164.54	19.53	7,378.57	7,274.08	104.49	70.618		
1,000.00	999.45	16,980.21	8,060.81	3.30	249.62	-24.56	-2,164.53	16.76	7,280.89	7,175.83	105.06	69.302		
1,100.00	1,098.70	16,983.91	8,060.83	3.66	249.72	-29.18	-2,164.52	13.06	7,182.64	7,077.05	105.59	68.027		
1,200.00	1,197.47	16,988.53	8,060.85	4.04	249.84	-35.65	-2,164.50	8.44	7,083.90	6,977.84	106.06	66.793		
1,294.51	1,290.25	16,985.00	8,060.83	4.42	249.75	-44.96	-2,164.51	11.97	6,990.23	6,883.87	106.36	65.725		
1,300.00	1,295.62	16,985.00	8,060.83	4.44	249.75	-44.96	-2,164.51	11.97	6,984.78	6,878.41	106.38	65.662		
1,400.00	1,393.48	16,985.00	8,060.83	4.87	249.75	-44.96	-2,164.51	11.97	6,885.53	6,778.84	106.70	64.533		
1,500.00	1,491.33	16,985.00	8,060.83	5.31	249.75	-44.96	-2,164.51	11.97	6,786.31	6,679.28	107.03	63.404		
1,600.00	1,589.19	16,985.00	8,060.83	5.76	249.75	-44.96	-2,164.51	11.97	6,687.11	6,579.73	107.38	62.275		
1,700.00	1,687.04	16,985.00	8,060.83	6.22	249.75	-44.96	-2,164.51	11.97	6,587.93	6,480.19	107.74	61.147		
1,800.00	1,784.90	16,985.00	8,060.83	6.68	249.75	-44.96	-2,164.51	11.97	6,488.78	6,380.67	108.11	60.019		
1,900.00	1,882.75	16,985.00	8,060.83	7.15	249.75	-44.96	-2,164.51	11.97	6,389.66	6,281.16	108.50	58.891		
2,000.00	1,980.61	16,985.00	8,060.83	7.63	249.75	-44.96	-2,164.51	11.97	6,290.56	6,181.66	108.90	57.765		
2,100.00	2,078.46	16,985.00	8,060.83	8.11	249.75	-44.96	-2,164.51	11.97	6,191.49	6,082.18	109.31	56.639		
2,200.00	2,176.31	16,985.00	8,060.83	8.59	249.75	-44.96	-2,164.51	11.97	6,092.45	5,982.71	109.74	55.516		
2,300.00	2,274.17	16,985.00	8,060.83	9.07	249.75	-44.96	-2,164.51	11.97	5,993.45	5,883.26	110.19	54.393		
2,400.00	2,372.02	16,985.00	8,060.83	9.56	249.75	-44.96	-2,164.51	11.97	5,894.47	5,783.83	110.65	53.273		
2,500.00	2,469.88	16,985.00	8,060.83	10.04	249.75	-44.96	-2,164.51	11.97	5,795.54	5,684.41	111.12	52.154		
2,600.00	2,567.73	16,985.00	8,060.83	10.53	249.75	-44.96	-2,164.51	11.97	5,696.64	5,585.02	111.62	51.037		
2,700.00	2,665.59	16,985.00	8,060.83	11.02	249.75	-44.96	-2,164.51	11.97	5,597.78	5,485.65	112.13	49.923		
2,800.00	2,763.44	16,985.00	8,060.83	11.52	249.75	-44.96	-2,164.51	11.97	5,498.96	5,386.30	112.66	48.811		
2,900.00	2,861.29	16,985.00	8,060.83	12.01	249.75	-44.96	-2,164.51	11.97	5,400.18	5,286.97	113.21	47.702		
3,000.00	2,959.15	16,985.00	8,060.83	12.50	249.75	-44.96	-2,164.51	11.97	5,301.45	5,187.68	113.77	46.596		
3,100.00	3,057.00	16,985.00	8,060.83	13.00	249.75	-44.96	-2,164.51	11.97	5,202.77	5,088.40	114.36	45.493		
3,200.00	3,154.86	16,985.00	8,060.83	13.49	249.75	-44.96	-2,164.51	11.97	5,104.14	4,989.16	114.98	44.393		
3,300.00	3,252.71	16,985.00	8,060.83	13.99	249.75	-44.96	-2,164.51	11.97	5,005.56	4,889.95	115.61	43.296		
3,400.00	3,350.57	16,985.00	8,060.83	14.48	249.75	-44.96	-2,164.51	11.97	4,907.04	4,790.77	116.27	42.202		
3,500.00	3,448.42	16,985.00	8,060.83	14.98	249.75	-44.96	-2,164.51	11.97	4,808.59	4,691.62	116.96	41.113		
3,600.00	3,546.28	16,985.00	8,060.83	15.48	249.75	-44.96	-2,164.51	11.97	4,710.19	4,592.52	117.68	40.027		
3,700.00	3,644.13	16,985.00	8,060.83	15.98	249.75	-44.96	-2,164.51	11.97	4,611.87	4,493.45	118.42	38.945		
3,800.00	3,741.98	16,985.00	8,060.83	16.47	249.75	-44.96	-2,164.51	11.97	4,513.62	4,394.43	119.19	37.868		
3,900.00	3,839.84	16,985.00	8,060.83	16.97	249.75	-44.96	-2,164.51	11.97	4,415.45	4,295.45	120.00	36.795		
4,000.00	3,937.69	16,985.00	8,060.83	17.47	249.75	-44.96	-2,164.51	11.97	4,317.36	4,196.52	120.84	35.726		
4,100.00	4,035.55	16,985.00	8,060.83	17.97	249.75	-44.96	-2,164.51	11.97	4,219.37	4,097.64	121.73	34.663		
4,200.00	4,133.40	16,985.00	8,060.83	18.47	249.75	-44.96	-2,164.51	11.97	4,121.46	3,998.82	122.65	33.605		
4,300.00	4,231.26	16,985.00	8,060.83	18.97	249.75	-44.96	-2,164.51	11.97	4,023.67	3,900.06	123.61	32.552		
4,400.00	4,329.11	16,985.00	8,060.83	19.47	249.75	-44.96	-2,164.51	11.97	3,925.98	3,801.36	124.62	31.504		
4,500.00	4,426.97	16,985.00	8,060.83	19.97	249.75	-44.96	-2,164.51	11.97	3,828.41	3,702.74	125.67	30.463		
4,600.00	4,524.82	16,985.00	8,060.83	20.47	249.75	-44.96	-2,164.51	11.97	3,730.97	3,604.19	126.78	29.428		
4,700.00	4,622.67	16,985.00	8,060.83	20.97	249.75	-44.96	-2,164.51	11.97	3,633.67	3,505.72	127.95	28.399		
4,800.00	4,720.53	16,985.00	8,060.83	21.47	249.75	-44.96	-2,164.51	11.97	3,536.53	3,407.35	129.18	27.377		
4,900.00	4,818.38	16,985.00	8,060.83	21.97	249.75	-44.96	-2,164.51	11.97	3,439.54	3,309.07	130.47	26.362		
5,000.00	4,916.24	16,985.00	8,060.83	22.47	249.75	-44.96	-2,164.51	11.97	3,342.73	3,210.90	131.84	25.355		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbore #1 - Wellbore #1		Offset Site Error: 0.00 usft	
Survey Program: 83-MWD														Offset Well Error: 0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
5,100.00	5,014.09	16,985.00	8,060.83	22.98	249.75	-44.96	-2,164.51	11.97	3,246.12	3,112.84	133.28	24.356				
5,200.00	5,111.95	16,985.00	8,060.83	23.48	249.75	-44.96	-2,164.51	11.97	3,149.72	3,014.91	134.80	23.365				
5,300.00	5,209.80	16,985.00	8,060.83	23.98	249.75	-44.96	-2,164.51	11.97	3,053.54	2,917.13	136.42	22.384				
5,400.00	5,307.66	16,985.00	8,060.83	24.48	249.75	-44.96	-2,164.51	11.97	2,957.63	2,819.49	138.13	21.411				
5,500.00	5,405.51	16,985.00	8,060.83	24.98	249.75	-44.96	-2,164.51	11.97	2,861.99	2,722.03	139.96	20.449				
5,600.00	5,503.36	16,985.00	8,060.83	25.48	249.75	-44.96	-2,164.51	11.97	2,766.66	2,624.76	141.90	19.497				
5,700.00	5,601.22	16,985.00	8,060.83	25.99	249.75	-44.96	-2,164.51	11.97	2,671.67	2,527.70	143.97	18.557				
5,800.00	5,699.07	16,985.00	8,060.83	26.49	249.75	-44.96	-2,164.51	11.97	2,577.06	2,430.88	146.18	17.629				
5,900.00	5,796.93	16,985.00	8,060.83	26.99	249.75	-44.96	-2,164.51	11.97	2,482.88	2,334.33	148.55	16.714				
6,000.00	5,894.78	16,985.00	8,060.83	27.49	249.75	-44.96	-2,164.51	11.97	2,389.16	2,238.07	151.09	15.813				
6,100.00	5,992.64	16,985.00	8,060.83	27.99	249.75	-44.96	-2,164.51	11.97	2,295.98	2,142.16	153.82	14.926				
6,200.00	6,090.49	16,985.00	8,060.83	28.50	249.75	-44.96	-2,164.51	11.97	2,203.40	2,046.63	156.76	14.056				
6,300.00	6,188.35	16,985.00	8,060.83	29.00	249.75	-44.96	-2,164.51	11.97	2,111.49	1,951.56	159.93	13.203				
6,400.00	6,286.20	16,985.00	8,060.83	29.50	249.75	-44.96	-2,164.51	11.97	2,020.35	1,856.99	163.35	12.368				
6,500.00	6,384.05	16,985.00	8,060.83	30.00	249.75	-44.96	-2,164.51	11.97	1,930.08	1,763.03	167.05	11.554				
6,600.00	6,481.91	16,985.00	8,060.83	30.51	249.75	-44.96	-2,164.51	11.97	1,840.83	1,669.77	171.06	10.761				
6,681.59	6,561.75	16,985.00	8,060.83	30.92	249.75	-44.96	-2,164.51	11.97	1,768.86	1,594.28	174.58	10.132				
6,700.00	6,579.77	16,985.00	8,060.83	31.01	249.75	-44.49	-2,164.51	11.97	1,752.75	1,577.34	175.41	9.992				
6,800.00	6,678.09	16,985.00	8,060.83	31.48	249.75	-42.19	-2,164.51	11.97	1,666.90	1,486.55	180.35	9.243				
6,900.00	6,776.98	16,985.00	8,060.83	31.92	249.75	-40.24	-2,164.51	11.97	1,584.16	1,398.13	186.03	8.516				
7,000.00	6,876.33	16,985.00	8,060.83	32.32	249.75	-38.60	-2,164.51	11.97	1,505.17	1,312.68	192.49	7.819				
7,100.00	6,976.01	16,985.00	8,060.83	32.69	249.75	-37.23	-2,164.51	11.97	1,430.65	1,230.92	199.74	7.163				
7,200.00	7,075.91	16,985.00	8,060.83	33.01	249.75	-36.08	-2,164.51	11.97	1,361.43	1,153.71	207.72	6.554				
7,276.10	7,152.00	16,985.00	8,060.83	33.22	249.75	160.44	-2,164.51	11.97	1,312.88	1,098.65	214.23	6.128				
7,299.99	7,175.89	16,985.00	8,060.83	33.28	249.75	160.44	-2,164.51	11.97	1,298.40	1,082.07	216.33	6.002				
7,306.10	7,182.00	16,985.00	8,060.83	33.29	249.75	160.44	-2,164.51	11.97	1,294.73	1,077.87	216.87	5.970				
7,350.00	7,225.86	16,985.00	8,060.83	33.41	249.75	-112.69	-2,164.51	11.97	1,269.48	1,048.78	220.70	5.752				
7,400.00	7,275.48	16,985.00	8,060.83	33.56	249.75	-115.49	-2,164.51	11.97	1,243.32	1,018.42	224.91	5.528				
7,450.00	7,324.39	16,985.00	8,060.83	33.72	249.75	-117.80	-2,164.51	11.97	1,220.33	991.48	228.85	5.333				
7,500.00	7,372.22	16,985.00	8,060.83	33.88	249.75	-119.66	-2,164.51	11.97	1,200.85	968.44	232.40	5.167				
7,550.00	7,418.60	16,985.00	8,060.83	34.05	249.75	-121.08	-2,164.51	11.97	1,185.21	949.74	235.47	5.033				
7,600.00	7,463.18	16,985.00	8,060.83	34.23	249.75	-122.09	-2,164.51	11.97	1,173.68	935.74	237.94	4.933				
7,650.00	7,505.62	16,985.00	8,060.83	34.42	249.75	-122.71	-2,164.51	11.97	1,166.48	926.74	239.74	4.866				
7,700.00	7,545.60	16,985.00	8,060.83	34.61	249.75	-122.94	-2,164.51	11.97	1,163.74	922.94	240.80	4.833				
7,705.36	7,549.73	16,985.00	8,060.83	34.63	249.75	-122.94	-2,164.51	11.97	1,163.72	922.84	240.87	4.831	CC, ES, SF			
7,750.00	7,582.81	16,985.00	8,060.83	34.81	249.75	-122.79	-2,164.51	11.97	1,165.51	924.41	241.10	4.834				
7,800.00	7,616.97	16,985.00	8,060.83	35.03	249.75	-122.26	-2,164.51	11.97	1,171.77	931.11	240.65	4.869				
7,850.00	7,647.83	16,985.00	8,060.83	35.25	249.75	-121.33	-2,164.51	11.97	1,182.38	942.90	239.48	4.937				
7,900.00	7,675.13	16,985.00	8,060.83	35.50	249.75	-120.00	-2,164.51	11.97	1,197.16	959.50	237.66	5.037				
7,950.00	7,698.69	16,985.00	8,060.83	35.76	249.75	-118.24	-2,164.51	11.97	1,215.84	980.57	235.27	5.168				
8,000.00	7,718.31	16,985.00	8,060.83	36.05	249.75	-116.02	-2,164.51	11.97	1,238.11	1,005.71	232.40	5.327				
8,050.00	7,733.85	16,985.00	8,060.83	36.38	249.75	-113.33	-2,164.51	11.97	1,263.62	1,034.45	229.17	5.514				
8,100.00	7,745.19	16,985.00	8,060.83	36.74	249.75	-110.13	-2,164.51	11.97	1,291.98	1,066.32	225.66	5.725				
8,150.00	7,752.25	16,985.00	8,060.83	37.13	249.75	-106.41	-2,164.51	11.97	1,322.80	1,100.83	221.97	5.959				
8,200.00	7,754.97	16,985.00	8,060.83	37.57	249.75	-102.18	-2,164.51	11.97	1,355.69	1,137.52	218.18	6.214				
8,206.17	7,755.00	16,985.00	8,060.83	37.63	249.75	-101.62	-2,164.51	11.97	1,359.88	1,142.17	217.71	6.246				
8,300.00	7,755.00	16,985.00	8,060.83	38.57	249.75	-101.62	-2,164.51	11.97	1,425.34	1,214.67	210.67	6.766				
8,400.00	7,755.00	16,985.00	8,060.83	39.75	249.75	-101.62	-2,164.51	11.97	1,498.44	1,294.93	203.51	7.363				
8,500.00	7,755.00	16,985.00	8,060.83	41.10	249.75	-101.62	-2,164.51	11.97	1,574.49	1,377.76	196.73	8.003				
8,600.00	7,755.00	16,985.00	8,060.83	42.59	249.75	-101.62	-2,164.51	11.97	1,653.10	1,462.73	190.37	8.684				
8,700.00	7,755.00	16,985.00	8,060.83	44.23	249.75	-101.62	-2,164.51	11.97	1,733.91	1,549.50	184.41	9.403				
8,800.00	7,755.00	16,985.00	8,060.83	45.98	249.75	-101.62	-2,164.51	11.97	1,816.63	1,637.79	178.85	10.157				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 83-MWDD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	7,755.00	16,985.00	8,060.83	47.83	249.75	-101.62	-2,164.51	11.97	1,901.02	1,727.35	173.66	10.946		
9,000.00	7,755.00	16,985.00	8,060.83	49.78	249.75	-101.62	-2,164.51	11.97	1,986.85	1,818.01	168.84	11.768		
9,100.00	7,755.00	16,985.00	8,060.83	51.80	249.75	-101.62	-2,164.51	11.97	2,073.95	1,909.60	164.35	12.619		
9,200.00	7,755.00	16,985.00	8,060.83	53.88	249.75	-101.62	-2,164.51	11.97	2,162.17	2,002.00	160.17	13.499		
9,300.00	7,754.99	16,985.00	8,060.83	56.03	249.75	-101.62	-2,164.51	11.97	2,251.38	2,095.09	156.28	14.406		
9,400.00	7,754.99	16,985.00	8,060.83	58.22	249.75	-101.62	-2,164.51	11.97	2,341.46	2,188.79	152.66	15.338		
9,500.00	7,754.99	16,985.00	8,060.83	60.46	249.75	-101.62	-2,164.51	11.97	2,432.31	2,283.03	149.28	16.293		
9,600.00	7,754.99	16,985.00	8,060.83	62.74	249.75	-101.62	-2,164.51	11.97	2,523.85	2,377.72	146.13	17.271		
9,700.00	7,754.99	16,985.00	8,060.83	65.05	249.75	-101.62	-2,164.51	11.97	2,616.02	2,472.83	143.19	18.270		
9,800.00	7,754.99	16,985.00	8,060.83	67.39	249.75	-101.62	-2,164.51	11.97	2,708.74	2,568.30	140.44	19.288		
9,900.00	7,754.99	16,985.00	8,060.83	69.76	249.75	-101.62	-2,164.51	11.97	2,801.96	2,664.10	137.86	20.325		
10,000.00	7,754.99	16,985.00	8,060.83	72.15	249.75	-101.62	-2,164.51	11.97	2,895.63	2,760.19	135.44	21.379		
10,100.00	7,754.99	16,985.00	8,060.83	74.56	249.75	-101.62	-2,164.51	11.97	2,989.72	2,856.54	133.18	22.449		
10,200.00	7,754.99	16,985.00	8,060.83	77.00	249.75	-101.62	-2,164.51	11.97	3,084.17	2,953.12	131.05	23.534		
10,300.00	7,754.99	16,985.00	8,060.83	79.45	249.75	-101.62	-2,164.51	11.97	3,178.97	3,049.91	129.05	24.633		
10,400.00	7,754.99	16,985.00	8,060.83	81.92	249.75	-101.62	-2,164.51	11.97	3,274.07	3,146.90	127.17	25.746		
10,500.00	7,754.99	16,985.00	8,060.83	84.40	249.75	-101.62	-2,164.51	11.97	3,369.46	3,244.06	125.40	26.871		
10,600.00	7,754.99	16,985.00	8,060.83	86.89	249.75	-101.62	-2,164.51	11.97	3,465.11	3,341.38	123.72	28.007		
10,700.00	7,754.99	16,985.00	8,060.83	89.40	249.75	-101.62	-2,164.51	11.97	3,560.99	3,438.85	122.14	29.154		
10,800.00	7,754.99	16,985.00	8,060.83	91.92	249.75	-101.62	-2,164.51	11.97	3,657.10	3,536.45	120.65	30.311		
10,900.00	7,754.99	16,985.00	8,060.83	94.44	249.75	-101.62	-2,164.51	11.97	3,753.41	3,634.17	119.24	31.477		
11,000.00	7,754.99	16,985.00	8,060.83	96.98	249.75	-101.62	-2,164.51	11.97	3,849.91	3,732.00	117.91	32.652		
11,100.00	7,754.99	16,985.00	8,060.83	99.53	249.75	-101.62	-2,164.51	11.97	3,946.58	3,829.94	116.64	33.835		
11,200.00	7,754.99	16,985.00	8,060.83	102.08	249.75	-101.62	-2,164.51	11.97	4,043.42	3,927.97	115.44	35.025		
11,300.00	7,754.99	16,985.00	8,060.83	104.64	249.75	-101.62	-2,164.51	11.97	4,140.40	4,026.10	114.31	36.222		
11,400.00	7,754.98	16,985.00	8,060.83	107.21	249.75	-101.62	-2,164.51	11.97	4,237.53	4,124.30	113.23	37.425		
11,500.00	7,754.98	16,985.00	8,060.83	109.78	249.75	-101.62	-2,164.51	11.97	4,334.78	4,222.58	112.20	38.634		
11,600.00	7,754.98	16,985.00	8,060.83	112.36	249.75	-101.62	-2,164.51	11.97	4,432.16	4,320.94	111.22	39.849		
11,700.00	7,754.98	16,985.00	8,060.83	114.94	249.75	-101.62	-2,164.51	11.97	4,529.66	4,419.36	110.30	41.068		
11,800.00	7,754.98	16,985.00	8,060.83	117.53	249.75	-101.62	-2,164.51	11.97	4,627.25	4,517.84	109.41	42.292		
11,900.00	7,754.98	16,985.00	8,060.83	120.13	249.75	-101.62	-2,164.51	11.97	4,724.95	4,616.38	108.57	43.519		
12,000.00	7,754.98	16,985.00	8,060.83	122.73	249.75	-101.62	-2,164.51	11.97	4,822.75	4,714.98	107.77	44.751		
12,100.00	7,754.98	16,985.00	8,060.83	125.33	249.75	-101.62	-2,164.51	11.97	4,920.63	4,813.63	107.00	45.985		
12,200.00	7,754.98	16,985.00	8,060.83	127.93	249.75	-101.62	-2,164.51	11.97	5,018.60	4,912.32	106.27	47.223		
12,300.00	7,754.98	16,985.00	8,060.83	130.54	249.75	-101.62	-2,164.51	11.97	5,116.64	5,011.07	105.58	48.463		
12,400.00	7,754.98	16,985.00	8,060.83	133.16	249.75	-101.62	-2,164.51	11.97	5,214.76	5,109.85	104.91	49.706		
12,500.00	7,754.98	16,985.00	8,060.83	135.77	249.75	-101.62	-2,164.51	11.97	5,312.95	5,208.68	104.28	50.951		
12,600.00	7,754.98	16,985.00	8,060.83	138.39	249.75	-101.62	-2,164.51	11.97	5,411.21	5,307.54	103.67	52.197		
12,700.00	7,754.98	16,985.00	8,060.83	141.02	249.75	-101.62	-2,164.51	11.97	5,509.53	5,406.44	103.09	53.445		
12,800.00	7,754.98	16,985.00	8,060.83	143.64	249.75	-101.62	-2,164.51	11.97	5,607.90	5,505.37	102.53	54.695		
12,900.00	7,754.98	16,985.00	8,060.83	146.27	249.75	-101.62	-2,164.51	11.97	5,706.34	5,604.34	102.00	55.945		
13,000.00	7,754.98	16,985.00	8,060.83	148.90	249.75	-101.62	-2,164.51	11.97	5,804.83	5,703.34	101.49	57.196		
13,100.00	7,754.98	16,985.00	8,060.83	151.53	249.75	-101.62	-2,164.51	11.97	5,903.37	5,802.36	101.00	58.448		
13,200.00	7,754.98	16,985.00	8,060.83	154.17	249.75	-101.62	-2,164.51	11.97	6,001.95	5,901.42	100.53	59.701		
13,300.00	7,754.98	16,985.00	8,060.83	156.80	249.75	-101.62	-2,164.51	11.97	6,100.59	6,000.50	100.09	60.953		
13,400.00	7,754.98	16,985.00	8,060.83	159.44	249.75	-101.62	-2,164.51	11.97	6,199.26	6,099.61	99.66	62.206		
13,500.00	7,754.97	16,985.00	8,060.83	162.08	249.75	-101.62	-2,164.51	11.97	6,297.98	6,198.74	99.25	63.459		
13,600.00	7,754.97	16,985.00	8,060.83	164.72	249.75	-101.62	-2,164.51	11.97	6,396.74	6,297.89	98.85	64.711		
13,700.00	7,754.97	16,985.00	8,060.83	167.37	249.75	-101.62	-2,164.51	11.97	6,495.54	6,397.06	98.47	65.963		
13,800.00	7,754.97	16,985.00	8,060.83	170.01	249.75	-101.62	-2,164.51	11.97	6,594.37	6,496.26	98.11	67.215		
13,900.00	7,754.97	16,985.00	8,060.83	172.66	249.75	-101.62	-2,164.51	11.97	6,693.24	6,595.48	97.76	68.466		
14,000.00	7,754.97	16,985.00	8,060.83	175.31	249.75	-101.62	-2,164.51	11.97	6,792.14	6,694.71	97.43	69.716		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 4-T4S-R65W - EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 83-MWD												<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.00	7,754.97	16,985.00	8,060.83	177.95	249.75	-101.62	-2,164.51	11.97	6,891.07	6,793.97	97.10	70.966	
14,200.00	7,754.97	16,985.00	8,060.83	180.61	249.75	-101.62	-2,164.51	11.97	6,990.03	6,893.24	96.80	72.214	
14,300.00	7,754.97	16,985.00	8,060.83	183.26	249.75	-101.62	-2,164.51	11.97	7,089.02	6,992.52	96.50	73.461	
14,400.00	7,754.97	16,985.00	8,060.83	185.91	249.75	-101.62	-2,164.51	11.97	7,188.04	7,091.83	96.22	74.708	
14,500.00	7,754.97	16,985.00	8,060.83	188.56	249.75	-101.62	-2,164.51	11.97	7,287.09	7,191.15	95.94	75.953	
14,600.00	7,754.97	16,985.00	8,060.83	191.22	249.75	-101.62	-2,164.51	11.97	7,386.16	7,290.48	95.68	77.196	
14,700.00	7,754.97	16,985.00	8,060.83	193.88	249.75	-101.62	-2,164.51	11.97	7,485.26	7,389.83	95.43	78.438	
14,800.00	7,754.97	16,985.00	8,060.83	196.53	249.75	-101.62	-2,164.51	11.97	7,584.38	7,489.19	95.19	79.679	
14,900.00	7,754.97	16,985.00	8,060.83	199.19	249.75	-101.62	-2,164.51	11.97	7,683.52	7,588.57	94.95	80.918	
15,000.00	7,754.97	16,985.00	8,060.83	201.85	249.75	-101.62	-2,164.51	11.97	7,782.69	7,687.96	94.73	82.156	
15,100.00	7,754.97	16,985.00	8,060.83	204.51	249.75	-101.62	-2,164.51	11.97	7,881.87	7,787.36	94.52	83.391	
15,200.00	7,754.97	16,985.00	8,060.83	207.17	249.75	-101.62	-2,164.51	11.97	7,981.08	7,886.77	94.31	84.625	
15,300.00	7,754.97	16,985.00	8,060.83	209.84	249.75	-101.62	-2,164.51	11.97	8,080.31	7,986.19	94.11	85.858	
15,400.00	7,754.97	16,985.00	8,060.83	212.50	249.75	-101.62	-2,164.51	11.97	8,179.55	8,085.63	93.92	87.088	
15,500.00	7,754.96	16,985.00	8,060.83	215.16	249.75	-101.62	-2,164.51	11.97	8,278.82	8,185.08	93.74	88.316	
15,600.00	7,754.96	16,985.00	8,060.83	217.83	249.75	-101.62	-2,164.51	11.97	8,378.10	8,284.53	93.57	89.542	
15,700.00	7,754.96	16,985.00	8,060.83	220.49	249.75	-101.62	-2,164.51	11.97	8,477.39	8,384.00	93.40	90.767	
15,800.00	7,754.96	16,985.00	8,060.83	223.16	249.75	-101.62	-2,164.51	11.97	8,576.71	8,483.47	93.24	91.989	
15,900.00	7,754.96	16,985.00	8,060.83	225.82	249.75	-101.62	-2,164.51	11.97	8,676.04	8,582.96	93.08	93.209	
16,000.00	7,754.96	16,985.00	8,060.83	228.49	249.75	-101.62	-2,164.51	11.97	8,775.38	8,682.45	92.93	94.427	
16,100.00	7,754.96	16,985.00	8,060.83	231.16	249.75	-101.62	-2,164.51	11.97	8,874.74	8,781.95	92.79	95.642	
16,200.00	7,754.96	16,985.00	8,060.83	233.83	249.75	-101.62	-2,164.51	11.97	8,974.12	8,881.46	92.65	96.856	
16,300.00	7,754.96	16,985.00	8,060.83	236.50	249.75	-101.62	-2,164.51	11.97	9,073.50	8,980.98	92.52	98.067	
16,400.00	7,754.96	16,985.00	8,060.83	239.16	249.75	-101.62	-2,164.51	11.97	9,172.91	9,080.51	92.40	99.276	
16,500.00	7,754.96	16,985.00	8,060.83	241.83	249.75	-101.62	-2,164.51	11.97	9,272.32	9,180.04	92.28	100.482	
16,600.00	7,754.96	16,985.00	8,060.83	244.50	249.75	-101.62	-2,164.51	11.97	9,371.75	9,279.58	92.16	101.686	
16,700.00	7,754.96	16,985.00	8,060.83	247.18	249.75	-101.62	-2,164.51	11.97	9,471.18	9,379.13	92.05	102.888	
16,800.00	7,754.96	16,985.00	8,060.83	249.85	249.75	-101.62	-2,164.51	11.97	9,570.63	9,478.69	91.95	104.087	
16,900.00	7,754.96	16,985.00	8,060.83	252.52	249.75	-101.62	-2,164.51	11.97	9,670.10	9,578.25	91.85	105.284	
17,000.00	7,754.96	16,985.00	8,060.83	255.19	249.75	-101.62	-2,164.51	11.97	9,769.57	9,677.82	91.75	106.479	
17,100.00	7,754.96	16,985.00	8,060.83	257.86	249.75	-101.62	-2,164.51	11.97	9,869.05	9,777.39	91.66	107.670	
17,200.00	7,754.96	16,985.00	8,060.83	260.54	249.75	-101.62	-2,164.51	11.97	9,968.54	9,876.97	91.57	108.860	

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-53.44	53.44					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-53.44	53.44	53.17	0.27	198.760		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-53.44	53.44	52.45	0.99	54.207 CC		
300.00	300.00	299.70	299.68	0.85	0.85	-88.17	1.72	-53.68	53.70	52.00	1.70	31.563 ES		
400.00	400.00	399.17	399.01	1.21	1.22	-82.82	6.85	-54.39	54.83	52.41	2.42	22.660		
500.00	500.00	498.15	497.61	1.57	1.58	-74.56	15.35	-55.57	57.71	54.56	3.14	18.352		
600.00	600.00	596.42	595.16	1.93	1.96	-64.64	27.12	-57.21	63.50	59.63	3.87	16.392		
700.00	700.00	693.77	691.33	2.29	2.36	-54.66	42.04	-59.29	73.20	68.60	4.60	15.913		
800.00	799.98	789.64	785.48	2.63	2.77	119.03	59.89	-61.77	88.08	82.79	5.30	16.633		
900.00	899.84	883.24	876.78	2.96	3.21	127.68	80.31	-64.62	109.72	103.76	5.96	18.405		
1,000.00	999.45	974.03	964.65	3.30	3.66	134.67	102.94	-67.77	138.48	131.87	6.61	20.935		
1,100.00	1,098.70	1,061.55	1,048.62	3.66	4.13	139.98	127.35	-71.17	174.13	166.89	7.24	24.040		
1,200.00	1,197.47	1,150.20	1,133.13	4.04	4.62	144.12	153.86	-74.86	215.47	207.56	7.91	27.239		
1,294.51	1,290.25	1,233.66	1,212.67	4.42	5.10	147.10	178.89	-78.34	257.83	249.28	8.55	30.147		
1,300.00	1,295.62	1,238.46	1,217.25	4.44	5.13	147.28	180.33	-78.54	260.38	251.78	8.60	30.291		
1,400.00	1,393.48	1,326.02	1,300.70	4.87	5.64	150.06	206.58	-82.20	307.11	297.85	9.26	33.151		
1,500.00	1,491.33	1,413.57	1,384.14	5.31	6.15	152.12	232.83	-85.85	354.27	344.33	9.94	35.641		
1,600.00	1,589.19	1,501.12	1,467.59	5.76	6.67	153.69	259.08	-89.50	401.71	391.08	10.62	37.817		
1,700.00	1,687.04	1,588.67	1,551.03	6.22	7.19	154.94	285.33	-93.16	449.33	438.02	11.31	39.730		
1,800.00	1,784.90	1,676.23	1,634.48	6.68	7.71	155.95	311.58	-96.81	497.09	485.08	12.00	41.419		
1,900.00	1,882.75	1,763.78	1,717.92	7.15	8.23	156.78	337.83	-100.47	544.94	532.24	12.70	42.919		
2,000.00	1,980.61	1,851.33	1,801.37	7.63	8.76	157.48	364.08	-104.12	592.87	579.48	13.40	44.260		
2,100.00	2,078.46	1,938.89	1,884.81	8.11	9.29	158.07	390.33	-107.78	640.86	626.76	14.10	45.462		
2,200.00	2,176.31	2,026.44	1,968.26	8.59	9.82	158.59	416.58	-111.43	688.89	674.09	14.80	46.547		
2,300.00	2,274.17	2,113.99	2,051.70	9.07	10.34	159.03	442.83	-115.08	736.96	721.46	15.51	47.530		
2,400.00	2,372.02	2,201.54	2,135.15	9.56	10.87	159.42	469.08	-118.74	785.07	768.85	16.21	48.424		
2,500.00	2,469.88	2,289.10	2,218.59	10.04	11.40	159.77	495.33	-122.39	833.19	816.27	16.92	49.240		
2,600.00	2,567.73	2,376.65	2,302.04	10.53	11.94	160.08	521.58	-126.05	881.34	863.71	17.63	49.988		
2,700.00	2,665.59	2,464.20	2,385.48	11.02	12.47	160.35	547.83	-129.70	929.50	911.16	18.34	50.675		
2,800.00	2,763.44	2,551.76	2,468.93	11.52	13.00	160.60	574.08	-133.36	977.68	958.63	19.05	51.309		
2,900.00	2,861.29	2,639.31	2,552.37	12.01	13.53	160.83	600.33	-137.01	1,025.87	1,006.11	19.77	51.895		
3,000.00	2,959.15	2,726.86	2,635.82	12.50	14.06	161.03	626.58	-140.66	1,074.08	1,053.60	20.48	52.439		
3,100.00	3,057.00	2,814.41	2,719.26	13.00	14.60	161.22	652.83	-144.32	1,122.29	1,101.09	21.20	52.944		
3,200.00	3,154.86	2,901.97	2,802.71	13.49	15.13	161.39	679.08	-147.97	1,170.51	1,148.60	21.91	53.415		
3,300.00	3,252.71	2,989.52	2,886.15	13.99	15.66	161.55	705.33	-151.63	1,218.74	1,196.11	22.63	53.854		
3,400.00	3,350.57	3,077.07	2,969.60	14.48	16.20	161.70	731.59	-155.28	1,266.98	1,243.63	23.35	54.265		
3,500.00	3,448.42	3,164.63	3,053.04	14.98	16.73	161.83	757.84	-158.94	1,315.22	1,291.15	24.07	54.651		
3,600.00	3,546.28	3,252.18	3,136.49	15.48	17.27	161.96	784.09	-162.59	1,363.47	1,338.68	24.78	55.013		
3,700.00	3,644.13	3,339.73	3,219.94	15.98	17.80	162.08	810.34	-166.24	1,411.72	1,386.22	25.50	55.354		
3,800.00	3,741.98	3,427.29	3,303.38	16.47	18.34	162.19	836.59	-169.90	1,459.98	1,433.75	26.22	55.675		
3,900.00	3,839.84	3,514.84	3,386.83	16.97	18.87	162.29	862.84	-173.55	1,508.24	1,481.29	26.94	55.978		
4,000.00	3,937.69	3,602.39	3,470.27	17.47	19.40	162.39	889.09	-177.21	1,556.50	1,528.84	27.66	56.264		
4,100.00	4,035.55	3,689.94	3,553.72	17.97	19.94	162.48	915.34	-180.86	1,604.77	1,576.38	28.39	56.535		
4,200.00	4,133.40	3,777.50	3,637.16	18.47	20.47	162.56	941.59	-184.52	1,653.04	1,623.93	29.11	56.791		
4,300.00	4,231.26	3,865.05	3,720.61	18.97	21.01	162.65	967.84	-188.17	1,701.31	1,671.48	29.83	57.035		
4,400.00	4,329.11	3,952.60	3,804.05	19.47	21.55	162.72	994.09	-191.82	1,749.58	1,719.03	30.55	57.266		
4,500.00	4,426.97	4,040.16	3,887.50	19.97	22.08	162.79	1,020.34	-195.48	1,797.86	1,766.59	31.27	57.486		
4,600.00	4,524.82	4,127.71	3,970.94	20.47	22.62	162.86	1,046.59	-199.13	1,846.14	1,814.14	32.00	57.695		
4,700.00	4,622.67	4,215.26	4,054.39	20.97	23.15	162.93	1,072.84	-202.79	1,894.42	1,861.70	32.72	57.895		
4,800.00	4,720.53	4,302.81	4,137.83	21.47	23.69	162.99	1,099.09	-206.44	1,942.70	1,909.26	33.45	58.085		
4,900.00	4,818.38	4,409.63	4,221.28	21.97	24.34	163.05	1,125.34	-210.10	1,990.99	1,956.74	34.25	58.128		
5,000.00	4,916.24	4,477.92	4,304.72	22.47	24.76	163.10	1,151.59	-213.75	2,039.27	2,004.38	34.90	58.440		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,014.09	4,565.47	4,388.17	22.98	25.29	163.16	1,177.84	-217.40	2,087.56	2,051.94	35.62	58.606		
5,200.00	5,111.95	4,653.03	4,471.61	23.48	25.83	163.21	1,204.09	-221.06	2,135.85	2,099.50	36.35	58.764		
5,300.00	5,209.80	4,740.58	4,555.06	23.98	26.37	163.26	1,230.34	-224.71	2,184.14	2,147.07	37.07	58.916		
5,400.00	5,307.66	4,828.13	4,638.50	24.48	26.90	163.30	1,256.59	-228.37	2,232.43	2,194.63	37.80	59.061		
5,500.00	5,405.51	4,915.68	4,721.95	24.98	27.44	163.35	1,282.84	-232.02	2,280.72	2,242.20	38.53	59.201		
5,600.00	5,503.36	5,003.24	4,805.39	25.48	27.97	163.39	1,309.09	-235.68	2,329.02	2,289.76	39.25	59.335		
5,700.00	5,601.22	5,109.21	4,888.84	25.99	28.62	163.43	1,335.34	-239.33	2,377.31	2,337.25	40.06	59.348		
5,800.00	5,699.07	5,178.34	4,972.28	26.49	29.05	163.47	1,361.59	-242.99	2,425.60	2,384.90	40.71	59.586		
5,900.00	5,796.93	5,265.90	5,055.73	26.99	29.58	163.51	1,387.84	-246.64	2,473.90	2,432.47	41.44	59.705		
6,000.00	5,894.78	5,353.45	5,139.17	27.49	30.12	163.54	1,414.09	-250.29	2,522.20	2,480.03	42.16	59.819		
6,100.00	5,992.64	5,441.00	5,222.62	27.99	30.65	163.58	1,440.34	-253.95	2,570.49	2,527.60	42.89	59.929		
6,200.00	6,090.49	5,528.55	5,306.06	28.50	31.19	163.61	1,466.59	-257.60	2,618.79	2,575.17	43.62	60.034		
6,300.00	6,188.35	5,616.11	5,389.51	29.00	31.73	163.64	1,492.84	-261.26	2,667.09	2,622.74	44.35	60.136		
6,400.00	6,286.20	5,703.66	5,472.95	29.50	32.26	163.68	1,519.09	-264.91	2,715.39	2,670.31	45.08	60.234		
6,500.00	6,384.05	5,808.79	5,556.40	30.00	32.91	163.71	1,545.34	-268.57	2,763.69	2,717.81	45.89	60.230		
6,600.00	6,481.91	5,878.77	5,639.84	30.51	33.33	163.74	1,571.59	-272.22	2,811.99	2,765.45	46.54	60.419		
6,681.59	6,561.75	5,950.20	5,707.93	30.92	33.77	163.76	1,593.01	-275.20	2,851.40	2,804.26	47.14	60.490		
6,700.00	6,579.77	5,966.35	5,723.31	31.01	33.87	163.82	1,597.85	-275.88	2,860.24	2,812.97	47.27	60.506		
6,800.00	6,678.09	6,054.99	5,807.79	31.48	34.41	164.12	1,624.43	-279.57	2,906.52	2,858.52	48.00	60.549		
6,900.00	6,776.98	6,145.13	5,893.71	31.92	34.97	164.37	1,651.46	-283.34	2,949.80	2,901.06	48.73	60.528		
7,000.00	6,876.33	6,236.67	5,980.95	32.32	35.53	164.58	1,678.90	-287.16	2,990.02	2,940.55	49.46	60.447		
7,100.00	6,976.01	6,329.49	6,069.42	32.69	36.10	164.74	1,706.73	-291.03	3,027.14	2,976.95	50.19	60.309		
7,200.00	7,075.91	6,423.48	6,159.00	33.01	36.67	164.87	1,734.91	-294.96	3,061.12	3,010.20	50.92	60.116		
7,276.10	7,152.00	6,504.28	6,227.85	33.22	37.17	0.73	1,756.57	-297.97	3,084.84	3,033.34	51.50	59.903		
7,299.99	7,175.89	6,518.49	6,249.55	33.28	37.25	0.71	1,763.40	-298.92	3,092.00	3,040.37	51.63	59.891		
7,306.10	7,182.00	6,524.32	6,255.10	33.29	37.29	0.70	1,765.14	-299.16	3,093.83	3,042.16	51.67	59.877		
7,350.00	7,225.86	6,566.19	6,295.01	33.41	37.55	89.07	1,777.70	-300.91	3,106.98	3,055.00	51.99	59.766		
7,400.00	7,275.48	6,613.74	6,340.33	33.56	37.84	87.58	1,791.96	-302.90	3,121.90	3,069.54	52.36	59.626		
7,450.00	7,324.39	6,660.80	6,385.18	33.72	38.13	86.20	1,806.07	-304.86	3,136.65	3,083.91	52.74	59.475		
7,500.00	7,372.22	6,706.09	6,432.68	33.88	42.37	90.47	1,964.55	-327.00	3,151.03	3,093.21	57.82	54.501		
7,550.00	7,418.60	6,753.62	6,479.10	34.05	42.48	90.74	1,964.56	-330.08	3,151.20	3,093.02	58.18	54.162		
7,600.00	7,463.18	6,800.11	6,524.59	34.23	42.61	91.01	1,964.60	-332.89	3,151.45	3,092.88	58.57	53.806		
7,650.00	7,505.62	6,847.66	6,570.07	34.42	42.74	91.28	1,964.66	-335.83	3,151.78	3,092.79	58.99	53.427		
7,700.00	7,545.60	6,895.10	6,619.90	34.61	42.88	91.55	1,964.74	-338.88	3,152.17	3,092.72	59.45	53.021		
7,750.00	7,582.81	6,942.53	6,669.80	34.81	43.04	91.81	1,964.84	-341.92	3,152.61	3,092.66	59.96	52.580		
7,800.00	7,616.97	6,990.06	6,719.70	35.03	43.21	92.06	1,964.98	-345.03	3,153.10	3,092.58	60.52	52.100		
7,850.00	7,647.83	7,037.59	6,769.60	35.25	43.39	92.29	1,965.14	-348.22	3,153.61	3,092.45	61.15	51.568		
7,900.00	7,675.13	7,085.12	6,819.50	35.50	43.59	92.52	1,965.33	-351.45	3,154.12	3,092.24	61.88	50.975		
7,950.00	7,698.69	7,132.65	6,869.40	35.76	43.82	92.72	1,965.56	-354.71	3,154.61	3,091.92	62.69	50.317		
8,000.00	7,718.31	7,180.18	6,919.30	36.05	44.07	92.90	1,965.80	-358.00	3,155.07	3,091.44	63.63	49.585		
8,050.00	7,733.85	7,227.71	6,969.20	36.38	44.35	93.05	1,966.08	-361.31	3,155.47	3,090.77	64.70	48.771		
8,100.00	7,745.19	7,275.24	7,019.10	36.74	44.69	93.17	1,966.37	-364.64	3,155.78	3,089.89	65.90	47.889		
8,150.00	7,752.25	7,322.77	7,069.00	37.13	45.07	93.24	1,966.68	-368.00	3,156.00	3,088.77	67.23	46.942		
8,200.00	7,754.97	7,370.30	7,118.90	37.57	45.51	93.28	1,967.00	-371.39	3,156.11	3,087.44	68.68	45.955		
8,206.17	7,755.00	7,375.83	7,123.95	37.63	45.57	93.29	1,967.04	-371.85	3,156.12	3,087.26	68.86	45.833		
8,300.00	7,755.00	7,380.36	7,129.00	38.57	46.26	93.29	1,967.46	-375.24	3,156.13	3,084.71	71.41	44.197		
8,400.00	7,755.00	7,385.89	7,134.00	39.75	47.10	93.29	1,967.90	-378.63	3,156.13	3,081.76	74.37	42.441		
8,500.00	7,755.00	7,391.42	7,138.50	41.10	48.07	93.29	1,968.34	-382.02	3,156.13	3,078.55	77.58	40.683		
8,600.00	7,755.00	7,396.95	7,143.00	42.59	49.18	93.29	1,968.79	-385.41	3,156.14	3,075.11	81.02	38.954		
8,700.00	7,755.00	7,402.48	7,147.50	44.23	50.42	93.29	1,969.23	-388.80	3,156.14	3,071.47	84.67	37.277		
8,800.00	7,755.00	7,408.01	7,152.00	45.98	51.79	93.29	1,969.67	-392.19	3,156.14	3,067.66	88.49	35.667		
8,900.00	7,755.00	7,413.54	7,156.50	47.83	53.29	93.29	1,970.11	-395.58	3,156.15	3,063.68	92.46	34.134		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,755.00	9,344.99	7,935.99	49.78	54.90	93.29	1,970.55	-1,688.43	3,156.15	3,059.58	96.57	32.681		
9,100.00	7,755.00	9,444.99	7,935.99	51.80	56.61	93.29	1,970.99	-1,788.43	3,156.15	3,055.35	100.80	31.310		
9,200.00	7,755.00	9,544.99	7,935.99	53.88	58.41	93.29	1,971.43	-1,888.42	3,156.16	3,051.02	105.14	30.019		
9,300.00	7,754.99	9,644.99	7,935.98	56.03	60.29	93.29	1,971.87	-1,988.42	3,156.16	3,046.60	109.56	28.806		
9,400.00	7,754.99	9,744.99	7,935.98	58.22	62.25	93.29	1,972.31	-2,088.42	3,156.16	3,042.09	114.07	27.668		
9,500.00	7,754.99	9,844.99	7,935.98	60.46	64.27	93.29	1,972.75	-2,188.42	3,156.17	3,037.52	118.65	26.600		
9,600.00	7,754.99	9,944.99	7,935.98	62.74	66.34	93.29	1,973.19	-2,288.42	3,156.17	3,032.87	123.30	25.598		
9,700.00	7,754.99	10,044.99	7,935.98	65.05	68.47	93.29	1,973.63	-2,388.42	3,156.17	3,028.18	128.00	24.658		
9,800.00	7,754.99	10,144.99	7,935.98	67.39	70.64	93.29	1,974.07	-2,488.42	3,156.18	3,023.43	132.75	23.775		
9,900.00	7,754.99	10,244.99	7,935.98	69.76	72.85	93.29	1,974.51	-2,588.42	3,156.18	3,018.63	137.55	22.946		
10,000.00	7,754.99	10,344.99	7,935.97	72.15	75.10	93.29	1,974.95	-2,688.42	3,156.19	3,013.80	142.39	22.166		
10,100.00	7,754.99	10,444.99	7,935.97	74.56	77.38	93.29	1,975.39	-2,788.42	3,156.19	3,008.92	147.26	21.432		
10,200.00	7,754.99	10,544.99	7,935.97	77.00	79.69	93.29	1,975.83	-2,888.41	3,156.19	3,004.02	152.17	20.741		
10,300.00	7,754.99	10,644.99	7,935.97	79.45	82.02	93.29	1,976.27	-2,988.41	3,156.20	2,999.08	157.12	20.088		
10,400.00	7,754.99	10,744.99	7,935.97	81.92	84.38	93.29	1,976.71	-3,088.41	3,156.20	2,994.12	162.08	19.473		
10,500.00	7,754.99	10,844.99	7,935.97	84.40	86.76	93.29	1,977.15	-3,188.41	3,156.20	2,989.13	167.08	18.891		
10,600.00	7,754.99	10,944.99	7,935.97	86.89	89.16	93.29	1,977.59	-3,288.41	3,156.21	2,984.11	172.09	18.340		
10,700.00	7,754.99	11,044.99	7,935.96	89.40	91.58	93.29	1,978.03	-3,388.41	3,156.21	2,979.08	177.13	17.819		
10,800.00	7,754.99	11,144.99	7,935.96	91.92	94.01	93.29	1,978.47	-3,488.41	3,156.21	2,974.03	182.19	17.324		
10,900.00	7,754.99	11,244.99	7,935.96	94.44	96.46	93.29	1,978.91	-3,588.41	3,156.22	2,968.96	187.26	16.855		
11,000.00	7,754.99	11,344.99	7,935.96	96.98	98.92	93.29	1,979.35	-3,688.41	3,156.22	2,963.87	192.35	16.409		
11,100.00	7,754.99	11,444.99	7,935.96	99.53	101.39	93.29	1,979.79	-3,788.41	3,156.22	2,958.77	197.46	15.984		
11,200.00	7,754.99	11,544.99	7,935.96	102.08	103.88	93.29	1,980.24	-3,888.41	3,156.23	2,953.65	202.58	15.580		
11,300.00	7,754.99	11,644.99	7,935.96	104.64	106.37	93.29	1,980.68	-3,988.40	3,156.23	2,948.52	207.71	15.196		
11,400.00	7,754.98	11,744.99	7,935.95	107.21	108.88	93.29	1,981.12	-4,088.40	3,156.23	2,943.38	212.85	14.828		
11,500.00	7,754.98	11,844.99	7,935.95	109.78	111.39	93.29	1,981.56	-4,188.40	3,156.24	2,938.23	218.01	14.478		
11,600.00	7,754.98	11,944.99	7,935.95	112.36	113.92	93.29	1,982.00	-4,288.40	3,156.24	2,933.07	223.17	14.143		
11,700.00	7,754.98	12,044.99	7,935.95	114.94	116.45	93.29	1,982.44	-4,388.40	3,156.24	2,927.90	228.35	13.822		
11,800.00	7,754.98	12,144.99	7,935.95	117.53	118.99	93.29	1,982.88	-4,488.40	3,156.25	2,922.72	233.53	13.515		
11,900.00	7,754.98	12,244.99	7,935.95	120.13	121.53	93.29	1,983.32	-4,588.40	3,156.25	2,917.53	238.73	13.221		
12,000.00	7,754.98	12,344.99	7,935.95	122.73	124.08	93.29	1,983.76	-4,688.40	3,156.26	2,912.33	243.93	12.939		
12,100.00	7,754.98	12,444.99	7,935.94	125.33	126.64	93.29	1,984.20	-4,788.40	3,156.26	2,907.13	249.13	12.669		
12,200.00	7,754.98	12,544.99	7,935.94	127.93	129.21	93.29	1,984.64	-4,888.40	3,156.26	2,901.91	254.35	12.409		
12,300.00	7,754.98	12,644.99	7,935.94	130.54	131.78	93.29	1,985.08	-4,988.39	3,156.27	2,896.70	259.57	12.160		
12,400.00	7,754.98	12,744.99	7,935.94	133.16	134.35	93.29	1,985.52	-5,088.39	3,156.27	2,891.47	264.80	11.920		
12,500.00	7,754.98	12,844.99	7,935.94	135.77	136.93	93.29	1,985.96	-5,188.39	3,156.27	2,886.24	270.03	11.689		
12,600.00	7,754.98	12,944.99	7,935.94	138.39	139.51	93.29	1,986.40	-5,288.39	3,156.28	2,881.01	275.27	11.466		
12,700.00	7,754.98	13,044.99	7,935.94	141.02	142.10	93.29	1,986.84	-5,388.39	3,156.28	2,875.77	280.51	11.252		
12,800.00	7,754.98	13,144.99	7,935.93	143.64	144.69	93.29	1,987.28	-5,488.39	3,156.28	2,870.52	285.76	11.045		
12,900.00	7,754.98	13,244.99	7,935.93	146.27	147.28	93.29	1,987.72	-5,588.39	3,156.29	2,865.27	291.01	10.846		
13,000.00	7,754.98	13,344.99	7,935.93	148.90	149.88	93.29	1,988.16	-5,688.39	3,156.29	2,860.02	296.27	10.653		
13,100.00	7,754.98	13,444.99	7,935.93	151.53	152.48	93.29	1,988.60	-5,788.39	3,156.29	2,854.76	301.53	10.467		
13,200.00	7,754.98	13,544.99	7,935.93	154.17	155.09	93.29	1,989.04	-5,888.39	3,156.30	2,849.50	306.80	10.288		
13,300.00	7,754.98	13,644.99	7,935.93	156.80	157.69	93.29	1,989.48	-5,988.38	3,156.30	2,844.23	312.07	10.114		
13,400.00	7,754.98	13,744.99	7,935.93	159.44	160.30	93.29	1,989.92	-6,088.38	3,156.30	2,838.96	317.34	9.946		
13,500.00	7,754.97	13,844.99	7,935.92	162.08	162.92	93.29	1,990.36	-6,188.38	3,156.31	2,833.69	322.62	9.783		
13,600.00	7,754.97	13,944.99	7,935.92	164.72	165.53	93.29	1,990.80	-6,288.38	3,156.31	2,828.41	327.90	9.626		
13,700.00	7,754.97	14,044.99	7,935.92	167.37	168.15	93.29	1,991.24	-6,388.38	3,156.31	2,823.14	333.18	9.473		
13,800.00	7,754.97	14,144.99	7,935.92	170.01	170.77	93.29	1,991.69	-6,488.38	3,156.32	2,817.85	338.46	9.325		
13,900.00	7,754.97	14,244.99	7,935.92	172.66	173.39	93.29	1,992.13	-6,588.38	3,156.32	2,812.57	343.75	9.182		
14,000.00	7,754.97	14,344.99	7,935.92	175.31	176.02	93.29	1,992.57	-6,688.38	3,156.33	2,807.28	349.04	9.043		
14,100.00	7,754.97	14,444.99	7,935.92	177.95	178.64	93.29	1,993.01	-6,788.38	3,156.33	2,801.99	354.34	8.908		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.00	7,754.97	14,544.99	7,935.91	180.61	181.27	93.29	1,993.45	-6,888.38	3,156.33	2,796.70	359.63	8.777		
14,300.00	7,754.97	14,644.99	7,935.91	183.26	183.90	93.29	1,993.89	-6,988.38	3,156.34	2,791.41	364.93	8.649		
14,400.00	7,754.97	14,744.99	7,935.91	185.91	186.53	93.29	1,994.33	-7,088.37	3,156.34	2,786.11	370.23	8.525		
14,500.00	7,754.97	14,844.99	7,935.91	188.56	189.17	93.29	1,994.77	-7,188.37	3,156.34	2,780.81	375.53	8.405		
14,600.00	7,754.97	14,944.99	7,935.91	191.22	191.80	93.29	1,995.21	-7,288.37	3,156.35	2,775.51	380.84	8.288		
14,700.00	7,754.97	15,044.99	7,935.91	193.88	194.44	93.29	1,995.65	-7,388.37	3,156.35	2,770.21	386.14	8.174		
14,800.00	7,754.97	15,144.99	7,935.91	196.53	197.08	93.29	1,996.09	-7,488.37	3,156.35	2,764.90	391.45	8.063		
14,900.00	7,754.97	15,244.99	7,935.90	199.19	199.72	93.29	1,996.53	-7,588.37	3,156.36	2,759.60	396.76	7.955		
15,000.00	7,754.97	15,344.99	7,935.90	201.85	202.36	93.29	1,996.97	-7,688.37	3,156.36	2,754.29	402.07	7.850		
15,100.00	7,754.97	15,444.99	7,935.90	204.51	205.00	93.29	1,997.41	-7,788.37	3,156.36	2,748.98	407.39	7.748		
15,200.00	7,754.97	15,544.99	7,935.90	207.17	207.64	93.29	1,997.85	-7,888.37	3,156.37	2,743.67	412.70	7.648		
15,300.00	7,754.97	15,644.99	7,935.90	209.84	210.29	93.29	1,998.29	-7,988.37	3,156.37	2,738.35	418.02	7.551		
15,400.00	7,754.97	15,744.99	7,935.90	212.50	212.93	93.29	1,998.73	-8,088.36	3,156.37	2,733.04	423.33	7.456		
15,500.00	7,754.96	15,844.99	7,935.90	215.16	215.58	93.29	1,999.17	-8,188.36	3,156.38	2,727.73	428.65	7.363		
15,600.00	7,754.96	15,944.99	7,935.89	217.83	218.23	93.29	1,999.61	-8,288.36	3,156.38	2,722.41	433.97	7.273		
15,700.00	7,754.96	16,044.99	7,935.89	220.49	220.88	93.29	2,000.05	-8,388.36	3,156.38	2,717.09	439.30	7.185		
15,800.00	7,754.96	16,144.99	7,935.89	223.16	223.53	93.29	2,000.49	-8,488.36	3,156.39	2,711.77	444.62	7.099		
15,900.00	7,754.96	16,244.99	7,935.89	225.82	226.18	93.29	2,000.93	-8,588.36	3,156.39	2,706.45	449.94	7.015		
16,000.00	7,754.96	16,344.99	7,935.89	228.49	228.83	93.29	2,001.37	-8,688.36	3,156.40	2,701.13	455.27	6.933		
16,100.00	7,754.96	16,444.99	7,935.89	231.16	231.48	93.29	2,001.81	-8,788.36	3,156.40	2,695.80	460.59	6.853		
16,200.00	7,754.96	16,544.99	7,935.89	233.83	234.14	93.29	2,002.25	-8,888.36	3,156.40	2,690.48	465.92	6.775		
16,300.00	7,754.96	16,644.99	7,935.88	236.50	236.79	93.29	2,002.69	-8,988.36	3,156.41	2,685.16	471.25	6.698		
16,400.00	7,754.96	16,744.99	7,935.88	239.16	239.45	93.29	2,003.14	-9,088.35	3,156.41	2,679.83	476.58	6.623		
16,500.00	7,754.96	16,844.99	7,935.88	241.83	242.10	93.29	2,003.58	-9,188.35	3,156.41	2,674.50	481.91	6.550		
16,600.00	7,754.96	16,944.99	7,935.88	244.50	244.76	93.29	2,004.02	-9,288.35	3,156.42	2,669.17	487.24	6.478		
16,700.00	7,754.96	17,044.99	7,935.88	247.18	247.42	93.29	2,004.46	-9,388.35	3,156.42	2,663.84	492.58	6.408		
16,800.00	7,754.96	17,144.99	7,935.88	249.85	250.08	93.29	2,004.90	-9,488.35	3,156.42	2,658.51	497.91	6.339		
16,900.00	7,754.96	17,244.99	7,935.88	252.52	252.73	93.29	2,005.34	-9,588.35	3,156.43	2,653.18	503.24	6.272		
17,000.00	7,754.96	17,344.99	7,935.87	255.19	255.39	93.29	2,005.78	-9,688.35	3,156.43	2,647.85	508.58	6.206		
17,100.00	7,754.96	17,444.99	7,935.87	257.86	258.05	93.29	2,006.22	-9,788.35	3,156.43	2,642.52	513.92	6.142		
17,200.00	7,754.96	17,544.99	7,935.87	260.54	260.71	93.29	2,006.66	-9,888.35	3,156.44	2,637.19	519.25	6.079		
17,300.00	7,754.96	17,644.99	7,935.87	263.21	263.38	93.29	2,007.10	-9,988.35	3,156.44	2,631.85	524.59	6.017		
17,400.00	7,754.96	17,744.99	7,935.87	265.88	266.04	93.29	2,007.54	-10,088.35	3,156.44	2,626.52	529.93	5.956		
17,500.00	7,754.96	17,844.99	7,935.87	268.56	268.70	93.29	2,007.98	-10,188.34	3,156.45	2,621.18	535.27	5.897		
17,600.00	7,754.95	17,944.99	7,935.87	271.23	271.36	93.29	2,008.42	-10,288.34	3,156.45	2,615.84	540.61	5.839		
17,700.00	7,754.95	18,044.99	7,935.86	273.91	274.03	93.29	2,008.86	-10,388.34	3,156.46	2,610.51	545.95	5.782		
17,800.00	7,754.95	18,144.99	7,935.86	276.58	276.69	93.29	2,009.30	-10,488.34	3,156.46	2,605.17	551.29	5.726		
17,890.11	7,755.00	18,239.20	7,936.00	278.99	279.20	93.29	2,009.37	-10,582.55	3,156.13	2,599.93	556.20	5.674 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	16.87	16.87					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	16.87	16.87	16.61	0.27	62.766		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	16.87	16.87	15.89	0.99	17.118		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	16.87	16.87	15.17	1.70	9.910		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	16.87	16.87	14.46	2.42	6.974		
500.00	500.00	500.00	500.00	1.57	1.57	90.00	0.00	16.87	16.87	13.74	3.14	5.380		
600.00	600.00	600.09	600.07	1.93	1.91	95.91	-1.71	16.50	16.59	12.75	3.84	4.323		
644.48	644.48	644.54	644.48	2.09	2.06	102.48	-3.56	16.09	16.48	12.33	4.14	3.975 CC		
700.00	700.00	699.93	699.77	2.29	2.25	113.90	-6.81	15.37	16.81	12.28	4.53	3.712		
800.00	799.98	799.45	798.90	2.63	2.59	-61.51	-15.27	13.50	19.52	14.31	5.21	3.745		
900.00	899.84	898.73	897.44	2.96	2.96	-47.73	-27.05	10.89	24.14	18.26	5.88	4.102		
1,000.00	999.45	997.77	995.27	3.30	3.34	-39.05	-42.12	7.56	29.79	23.23	6.56	4.540		
1,100.00	1,098.70	1,096.58	1,092.27	3.66	3.76	-33.51	-60.43	3.50	35.96	28.72	7.24	4.966		
1,200.00	1,197.47	1,195.15	1,188.35	4.04	4.20	-29.87	-81.95	-1.26	42.43	34.50	7.93	5.350		
1,294.51	1,290.25	1,288.77	1,278.93	4.42	4.65	-27.69	-105.03	-6.37	48.38	39.78	8.61	5.621		
1,300.00	1,295.62	1,294.25	1,284.23	4.44	4.68	-27.62	-106.41	-6.67	48.68	40.03	8.65	5.628		
1,400.00	1,393.48	1,405.89	1,380.73	4.87	5.24	-26.46	-131.47	-12.21	53.98	44.52	9.46	5.709		
1,500.00	1,491.33	1,506.04	1,477.23	5.31	5.76	-25.51	-156.52	-17.76	59.30	49.07	10.23	5.799		
1,600.00	1,589.19	1,606.18	1,573.73	5.76	6.28	-24.72	-181.58	-23.30	64.63	53.63	11.00	5.875		
1,700.00	1,687.04	1,706.33	1,670.23	6.22	6.82	-24.04	-206.63	-28.85	69.98	58.20	11.78	5.940		
1,800.00	1,784.90	1,806.48	1,766.73	6.68	7.36	-23.47	-231.69	-34.39	75.33	62.76	12.57	5.995		
1,900.00	1,882.75	1,906.62	1,863.23	7.15	7.90	-22.96	-256.75	-39.93	80.69	67.34	13.35	6.043		
2,000.00	1,980.61	2,006.77	1,959.73	7.63	8.44	-22.53	-281.80	-45.48	86.06	71.91	14.14	6.085		
2,100.00	2,078.46	2,106.91	2,056.23	8.11	8.99	-22.14	-306.86	-51.02	91.42	76.49	14.94	6.121		
2,200.00	2,176.31	2,192.94	2,152.73	8.59	9.47	-21.79	-331.91	-56.57	96.80	81.13	15.67	6.177		
2,300.00	2,274.17	2,292.79	2,248.23	9.07	10.02	-21.49	-356.97	-62.11	102.17	85.71	16.46	6.206		
2,400.00	2,372.02	2,392.65	2,345.73	9.56	10.57	-21.21	-382.03	-67.66	107.55	90.29	17.26	6.231		
2,500.00	2,469.88	2,507.50	2,442.23	10.04	11.21	-20.96	-407.08	-73.20	112.93	94.82	18.12	6.233		
2,600.00	2,567.73	2,607.65	2,538.73	10.53	11.77	-20.73	-432.14	-78.74	118.32	99.40	18.92	6.255		
2,700.00	2,665.59	2,707.79	2,635.23	11.02	12.33	-20.52	-457.20	-84.29	123.70	103.99	19.72	6.274		
2,800.00	2,763.44	2,807.94	2,731.73	11.52	12.88	-20.33	-482.25	-89.83	129.09	108.57	20.52	6.292		
2,900.00	2,861.29	2,908.08	2,828.23	12.01	13.44	-20.15	-507.31	-95.38	134.48	113.16	21.32	6.308		
3,000.00	2,959.15	3,008.23	2,924.73	12.50	14.01	-19.99	-532.36	-100.92	139.87	117.75	22.12	6.323		
3,100.00	3,057.00	3,108.38	3,021.23	13.00	14.57	-19.84	-557.42	-106.46	145.26	122.33	22.92	6.337		
3,200.00	3,154.86	3,208.52	3,117.73	13.49	15.13	-19.70	-582.48	-112.01	150.65	126.92	23.72	6.350		
3,300.00	3,252.71	3,308.67	3,214.23	13.99	15.69	-19.57	-607.53	-117.55	156.04	131.51	24.53	6.362		
3,400.00	3,350.57	3,391.19	3,310.73	14.48	16.16	-19.45	-632.59	-123.10	161.43	136.17	25.26	6.392		
3,500.00	3,448.42	3,508.96	3,407.23	14.98	16.82	-19.34	-657.64	-128.64	166.82	140.69	26.13	6.384		
3,600.00	3,546.28	3,609.11	3,503.73	15.48	17.38	-19.23	-682.70	-134.19	172.22	145.28	26.94	6.394		
3,700.00	3,644.13	3,690.75	3,600.23	15.98	17.84	-19.13	-707.76	-139.73	177.61	149.95	27.66	6.420		
3,800.00	3,741.98	3,809.40	3,696.73	16.47	18.51	-19.04	-732.81	-145.27	183.01	154.46	28.54	6.411		
3,900.00	3,839.84	3,909.54	3,793.23	16.97	19.08	-18.95	-757.87	-150.82	188.40	159.05	29.35	6.419		
4,000.00	3,937.69	4,009.69	3,889.73	17.47	19.64	-18.87	-782.92	-156.36	193.80	163.64	30.15	6.427		
4,100.00	4,035.55	4,109.84	3,986.23	17.97	20.21	-18.79	-807.98	-161.91	199.19	168.23	30.96	6.434		
4,200.00	4,133.40	4,190.02	4,082.73	18.47	20.66	-18.71	-833.04	-167.45	204.59	172.91	31.68	6.458		
4,300.00	4,231.26	4,289.87	4,179.23	18.97	21.22	-18.64	-858.09	-172.99	209.99	177.50	32.49	6.464		
4,400.00	4,329.11	4,389.73	4,275.73	19.47	21.79	-18.58	-883.15	-178.54	215.38	182.09	33.29	6.470		
4,500.00	4,426.97	4,489.58	4,372.23	19.97	22.35	-18.51	-908.21	-184.08	220.78	186.69	34.09	6.476		
4,600.00	4,524.82	4,589.43	4,468.73	20.47	22.91	-18.45	-933.26	-189.63	226.18	191.28	34.90	6.481		
4,700.00	4,622.67	4,689.29	4,565.23	20.97	23.48	-18.39	-958.32	-195.17	231.57	195.87	35.70	6.486		
4,800.00	4,720.53	4,789.14	4,661.73	21.47	24.04	-18.34	-983.37	-200.71	236.97	200.46	36.51	6.491		
4,900.00	4,818.38	4,889.00	4,758.23	21.97	24.61	-18.28	-1,008.43	-206.26	242.37	205.06	37.31	6.496		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,988.85	4,854.73	22.47	25.17	-18.23	-1,033.49	-211.80	247.77	209.65	38.12	6.500		
5,100.00	5,014.09	5,088.70	4,951.23	22.98	25.74	-18.19	-1,058.54	-217.35	253.17	214.24	38.92	6.504		
5,200.00	5,111.95	5,188.56	5,047.73	23.48	26.30	-18.14	-1,083.60	-222.89	258.57	218.84	39.73	6.508		
5,300.00	5,209.80	5,288.41	5,144.23	23.98	26.87	-18.09	-1,108.65	-228.44	263.97	223.43	40.53	6.512		
5,400.00	5,307.66	5,388.27	5,240.73	24.48	27.43	-18.05	-1,133.71	-233.98	269.36	228.02	41.34	6.516		
5,500.00	5,405.51	5,488.12	5,337.23	24.98	28.00	-18.01	-1,158.77	-239.52	274.76	232.62	42.15	6.519		
5,600.00	5,503.36	5,587.97	5,433.73	25.48	28.56	-17.97	-1,183.82	-245.07	280.16	237.21	42.95	6.523		
5,700.00	5,601.22	5,687.83	5,530.23	25.99	29.13	-17.93	-1,208.88	-250.61	285.56	241.81	43.76	6.526		
5,800.00	5,699.07	5,787.68	5,626.73	26.49	29.69	-17.90	-1,233.94	-256.16	290.96	246.40	44.56	6.529		
5,900.00	5,796.93	5,887.54	5,723.23	26.99	30.26	-17.86	-1,258.99	-261.70	296.36	250.99	45.37	6.532		
6,000.00	5,894.78	5,987.39	5,819.73	27.49	30.83	-17.83	-1,284.05	-267.24	301.76	255.59	46.17	6.535		
6,100.00	5,992.64	6,087.24	5,916.23	27.99	31.39	-17.79	-1,309.10	-272.79	307.16	260.18	46.98	6.538		
6,200.00	6,090.49	6,187.10	6,012.73	28.50	31.96	-17.76	-1,334.16	-278.33	312.56	264.78	47.79	6.541		
6,300.00	6,188.35	6,286.95	6,109.23	29.00	32.52	-17.73	-1,359.22	-283.88	317.96	269.37	48.59	6.543		
6,400.00	6,286.20	6,386.80	6,205.73	29.50	33.09	-17.70	-1,384.27	-289.42	323.36	273.96	49.40	6.546		
6,500.00	6,384.05	6,486.66	6,302.23	30.00	33.65	-17.67	-1,409.33	-294.96	328.76	278.56	50.20	6.548		
6,600.00	6,481.91	6,586.51	6,398.73	30.51	34.22	-17.65	-1,434.38	-300.51	334.16	283.15	51.01	6.551		
6,681.59	6,561.75	6,667.98	6,477.47	30.92	34.68	-17.62	-1,454.83	-305.03	338.57	286.90	51.67	6.553		
6,700.00	6,579.77	6,686.36	6,495.23	31.01	34.79	-17.62	-1,459.44	-306.05	339.62	287.80	51.82	6.554		
6,800.00	6,678.09	6,786.06	6,591.58	31.48	35.35	-17.52	-1,484.46	-311.59	347.29	294.70	52.60	6.603		
6,900.00	6,776.98	6,898.37	6,700.61	31.92	35.96	-17.31	-1,510.75	-317.41	356.58	303.13	53.45	6.672		
7,000.00	6,876.33	7,011.85	6,811.76	32.32	36.53	-17.09	-1,533.06	-322.34	365.38	311.17	54.21	6.740		
7,100.00	6,976.01	7,125.78	6,924.16	32.69	37.04	-16.86	-1,551.12	-326.34	373.67	318.78	54.89	6.807		
7,200.00	7,075.91	7,240.12	7,037.63	33.01	37.49	-16.63	-1,564.84	-329.38	381.44	325.96	55.47	6.876		
7,276.10	7,152.00	7,327.41	7,124.58	33.22	37.80	-17.34	-1,572.34	-331.03	386.99	331.14	55.85	6.930		
7,299.99	7,175.89	7,354.86	7,151.96	33.28	37.89	-17.40	-1,574.16	-331.44	388.57	332.62	55.95	6.945		
7,306.10	7,182.00	7,361.89	7,158.98	33.29	37.91	-17.42	-1,574.59	-331.53	388.94	332.96	55.97	6.949		
7,350.00	7,225.86	7,412.41	7,209.43	33.41	38.08	-90.81	-1,577.15	-332.10	391.18	334.98	56.20	6.961		
7,400.00	7,275.48	7,469.66	7,266.65	33.56	38.24	-91.57	-1,579.00	-332.51	392.93	336.38	56.55	6.948		
7,450.00	7,324.39	7,526.09	7,323.08	33.72	38.39	-93.12	-1,579.73	-332.67	394.01	336.99	57.02	6.910		
7,500.00	7,372.22	7,575.87	7,372.86	33.88	38.50	-95.09	-1,579.75	-332.76	395.11	337.39	57.73	6.845		
7,550.00	7,418.60	7,627.36	7,424.23	34.05	38.62	-97.25	-1,579.74	-335.95	396.90	338.42	58.47	6.788		
7,600.00	7,463.18	7,680.50	7,476.72	34.23	38.77	-99.37	-1,579.70	-344.07	399.26	340.06	59.20	6.744		
7,650.00	7,505.62	7,735.40	7,529.92	34.42	38.92	-101.44	-1,579.64	-357.53	402.13	342.27	59.86	6.718		
7,700.00	7,545.60	7,792.19	7,583.34	34.61	39.09	-103.44	-1,579.56	-376.73	405.45	345.02	60.42	6.710		
7,750.00	7,582.81	7,850.96	7,636.35	34.81	39.28	-105.34	-1,579.45	-402.08	409.08	348.25	60.83	6.724		
7,800.00	7,616.97	7,911.81	7,688.18	35.03	39.48	-107.14	-1,579.31	-433.88	412.91	351.85	61.06	6.762		
7,850.00	7,647.83	7,974.75	7,737.94	35.25	39.69	-108.80	-1,579.14	-472.38	416.80	355.72	61.08	6.823		
7,900.00	7,675.13	8,039.79	7,784.60	35.50	39.92	-110.30	-1,578.95	-517.63	420.58	359.69	60.90	6.907		
7,950.00	7,698.69	8,106.83	7,827.02	35.76	40.18	-111.62	-1,578.72	-569.49	424.11	363.58	60.53	7.006		
8,000.00	7,718.31	8,175.72	7,863.99	36.05	40.46	-112.73	-1,578.47	-627.58	427.22	367.16	60.06	7.114		
8,050.00	7,733.85	8,246.21	7,894.33	36.38	40.79	-113.62	-1,578.19	-691.16	429.78	370.22	59.56	7.216		
8,100.00	7,745.19	8,317.98	7,916.97	36.74	41.16	-114.25	-1,577.89	-759.21	431.66	372.48	59.17	7.295		
8,150.00	7,752.25	8,390.62	7,931.04	37.13	41.59	-114.62	-1,577.58	-830.43	432.76	373.77	59.00	7.335		
8,200.00	7,754.97	8,463.67	7,936.00	37.57	42.08	-114.71	-1,577.27	-903.26	433.05	373.90	59.15	7.322		
8,206.16	7,755.00	8,470.59	7,936.00	37.63	42.13	-114.71	-1,577.24	-910.18	433.04	373.77	59.26	7.307		
8,206.17	7,755.00	8,470.61	7,936.00	37.63	42.13	-114.71	-1,577.24	-910.19	433.04	373.77	59.26	7.307		
8,300.00	7,755.00	8,564.44	7,936.00	38.57	42.88	-114.71	-1,576.83	-1,004.02	433.04	371.44	61.59	7.031		
8,400.00	7,755.00	8,664.44	7,936.00	39.75	43.83	-114.71	-1,576.39	-1,104.02	433.04	368.70	64.34	6.731		
8,500.00	7,755.00	8,764.44	7,935.99	41.10	44.92	-114.71	-1,575.96	-1,204.02	433.04	365.71	67.33	6.431		
8,600.00	7,755.00	8,864.44	7,935.99	42.59	46.17	-114.71	-1,575.52	-1,304.02	433.04	362.49	70.54	6.139		
8,700.00	7,755.00	8,964.44	7,935.99	44.23	47.57	-114.71	-1,575.09	-1,404.02	433.04	359.09	73.95	5.856		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	7,755.00	9,064.44	7,935.99	45.98	49.10	-114.71	-1,574.65	-1,504.02	433.04	355.52	77.52	5.586		
8,900.00	7,755.00	9,164.44	7,935.99	47.83	50.76	-114.71	-1,574.22	-1,604.02	433.04	351.81	81.23	5.331		
9,000.00	7,755.00	9,264.44	7,935.99	49.78	52.52	-114.71	-1,573.78	-1,704.02	433.04	347.97	85.07	5.090		
9,100.00	7,755.00	9,364.44	7,935.98	51.80	54.38	-114.70	-1,573.35	-1,804.01	433.04	344.02	89.02	4.864		
9,200.00	7,755.00	9,464.44	7,935.98	53.88	56.32	-114.70	-1,572.91	-1,904.01	433.05	339.98	93.07	4.653		
9,300.00	7,754.99	9,564.44	7,935.98	56.03	58.33	-114.70	-1,572.48	-2,004.01	433.05	335.85	97.19	4.456		
9,400.00	7,754.99	9,664.44	7,935.98	58.22	60.41	-114.70	-1,572.04	-2,104.01	433.05	331.66	101.39	4.271		
9,500.00	7,754.99	9,764.44	7,935.98	60.46	62.54	-114.70	-1,571.61	-2,204.01	433.05	327.39	105.65	4.099		
9,600.00	7,754.99	9,864.44	7,935.97	62.74	64.72	-114.70	-1,571.17	-2,304.01	433.05	323.07	109.98	3.938		
9,700.00	7,754.99	9,964.44	7,935.97	65.05	66.94	-114.70	-1,570.74	-2,404.01	433.05	318.70	114.35	3.787		
9,800.00	7,754.99	10,064.44	7,935.97	67.39	69.21	-114.70	-1,570.30	-2,504.01	433.05	314.29	118.76	3.646		
9,900.00	7,754.99	10,164.44	7,935.97	69.76	71.50	-114.70	-1,569.87	-2,604.01	433.05	309.83	123.22	3.515		
10,000.00	7,754.99	10,264.44	7,935.97	72.15	73.83	-114.70	-1,569.43	-2,704.01	433.05	305.34	127.71	3.391		
10,100.00	7,754.99	10,364.44	7,935.97	74.56	76.18	-114.70	-1,569.00	-2,804.01	433.05	300.82	132.23	3.275		
10,200.00	7,754.99	10,464.44	7,935.96	77.00	78.56	-114.70	-1,568.56	-2,904.00	433.06	296.27	136.79	3.166		
10,300.00	7,754.99	10,564.44	7,935.96	79.45	80.96	-114.70	-1,568.13	-3,004.00	433.06	291.69	141.37	3.063		
10,400.00	7,754.99	10,664.44	7,935.96	81.92	83.37	-114.70	-1,567.69	-3,104.00	433.06	287.09	145.97	2.967		
10,500.00	7,754.99	10,764.44	7,935.96	84.40	85.81	-114.70	-1,567.26	-3,204.00	433.06	282.47	150.59	2.876		
10,600.00	7,754.99	10,864.44	7,935.96	86.89	88.26	-114.70	-1,566.82	-3,304.00	433.06	277.82	155.24	2.790		
10,700.00	7,754.99	10,964.44	7,935.95	89.40	90.73	-114.70	-1,566.39	-3,404.00	433.06	273.16	159.90	2.708		
10,800.00	7,754.99	11,064.44	7,935.95	91.92	93.21	-114.70	-1,565.95	-3,504.00	433.06	268.49	164.58	2.631		
10,900.00	7,754.99	11,164.44	7,935.95	94.44	95.70	-114.70	-1,565.52	-3,604.00	433.06	263.79	169.27	2.558		
11,000.00	7,754.99	11,264.44	7,935.95	96.98	98.21	-114.70	-1,565.08	-3,704.00	433.06	259.09	173.98	2.489		
11,100.00	7,754.99	11,364.44	7,935.95	99.53	100.72	-114.70	-1,564.65	-3,804.00	433.06	254.37	178.70	2.423		
11,200.00	7,754.99	11,464.44	7,935.95	102.08	103.25	-114.70	-1,564.21	-3,903.99	433.07	249.64	183.43	2.361		
11,300.00	7,754.99	11,564.44	7,935.94	104.64	105.78	-114.70	-1,563.78	-4,003.99	433.07	244.90	188.17	2.301		
11,400.00	7,754.98	11,664.44	7,935.94	107.21	108.32	-114.70	-1,563.34	-4,103.99	433.07	240.14	192.92	2.245		
11,500.00	7,754.98	11,764.44	7,935.94	109.78	110.87	-114.70	-1,562.90	-4,203.99	433.07	235.38	197.68	2.191		
11,600.00	7,754.98	11,864.44	7,935.94	112.36	113.42	-114.70	-1,562.47	-4,303.99	433.07	230.61	202.45	2.139		
11,700.00	7,754.98	11,964.44	7,935.94	114.94	115.99	-114.70	-1,562.03	-4,403.99	433.07	225.84	207.23	2.090		
11,800.00	7,754.98	12,064.44	7,935.93	117.53	118.55	-114.70	-1,561.60	-4,503.99	433.07	221.05	212.02	2.043		
11,900.00	7,754.98	12,164.44	7,935.93	120.13	121.13	-114.70	-1,561.16	-4,603.99	433.07	216.26	216.81	1.997		
12,000.00	7,754.98	12,264.44	7,935.93	122.73	123.71	-114.70	-1,560.73	-4,703.99	433.07	211.46	221.61	1.954		
12,100.00	7,754.98	12,364.44	7,935.93	125.33	126.29	-114.70	-1,560.29	-4,803.99	433.07	206.66	226.42	1.913		
12,200.00	7,754.98	12,464.44	7,935.93	127.93	128.88	-114.70	-1,559.86	-4,903.99	433.07	201.85	231.23	1.873		
12,300.00	7,754.98	12,564.44	7,935.93	130.54	131.47	-114.70	-1,559.42	-5,003.98	433.08	197.03	236.05	1.835		
12,400.00	7,754.98	12,664.44	7,935.92	133.16	134.07	-114.70	-1,558.99	-5,103.98	433.08	192.21	240.87	1.798		
12,500.00	7,754.98	12,764.44	7,935.92	135.77	136.67	-114.70	-1,558.55	-5,203.98	433.08	187.38	245.70	1.763		
12,600.00	7,754.98	12,864.44	7,935.92	138.39	139.28	-114.70	-1,558.12	-5,303.98	433.08	182.55	250.53	1.729		
12,700.00	7,754.98	12,964.44	7,935.92	141.02	141.88	-114.70	-1,557.68	-5,403.98	433.08	177.72	255.36	1.696		
12,800.00	7,754.98	13,064.44	7,935.92	143.64	144.50	-114.70	-1,557.25	-5,503.98	433.08	172.88	260.20	1.664		
12,900.00	7,754.98	13,164.44	7,935.91	146.27	147.11	-114.70	-1,556.81	-5,603.98	433.08	168.04	265.05	1.634		
13,000.00	7,754.98	13,264.44	7,935.91	148.90	149.73	-114.69	-1,556.38	-5,703.98	433.08	163.19	269.89	1.605		
13,100.00	7,754.98	13,364.44	7,935.91	151.53	152.35	-114.69	-1,555.94	-5,803.98	433.08	158.34	274.74	1.576		
13,200.00	7,754.98	13,464.44	7,935.91	154.17	154.97	-114.69	-1,555.51	-5,903.98	433.08	153.49	279.60	1.549		
13,300.00	7,754.98	13,564.44	7,935.91	156.80	157.60	-114.69	-1,555.07	-6,003.97	433.09	148.63	284.45	1.523		
13,400.00	7,754.98	13,664.44	7,935.91	159.44	160.22	-114.69	-1,554.64	-6,103.97	433.09	143.77	289.31	1.497 Level 3		
13,500.00	7,754.97	13,764.44	7,935.90	162.08	162.85	-114.69	-1,554.20	-6,203.97	433.09	138.91	294.18	1.472 Level 3		
13,600.00	7,754.97	13,864.44	7,935.90	164.72	165.48	-114.69	-1,553.77	-6,303.97	433.09	134.05	299.04	1.448 Level 3		
13,700.00	7,754.97	13,964.44	7,935.90	167.37	168.12	-114.69	-1,553.33	-6,403.97	433.09	129.18	303.91	1.425 Level 3		
13,800.00	7,754.97	14,064.44	7,935.90	170.01	170.75	-114.69	-1,552.90	-6,503.97	433.09	124.31	308.78	1.403 Level 3		
13,900.00	7,754.97	14,164.44	7,935.90	172.66	173.39	-114.69	-1,552.46	-6,603.97	433.09	119.44	313.65	1.381 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,754.97	14,264.44	7,935.89	175.31	176.03	-114.69	-1,552.03	-6,703.97	433.09	114.56	318.53	1.360	Level 3	
14,100.00	7,754.97	14,364.44	7,935.89	177.95	178.67	-114.69	-1,551.59	-6,803.97	433.09	109.69	323.40	1.339	Level 3	
14,200.00	7,754.97	14,464.44	7,935.89	180.61	181.31	-114.69	-1,551.16	-6,903.97	433.09	104.81	328.28	1.319	Level 3	
14,300.00	7,754.97	14,564.44	7,935.89	183.26	183.96	-114.69	-1,550.72	-7,003.97	433.10	99.93	333.16	1.300	Level 3	
14,400.00	7,754.97	14,664.44	7,935.89	185.91	186.60	-114.69	-1,550.29	-7,103.96	433.10	95.05	338.05	1.281	Level 3	
14,500.00	7,754.97	14,764.44	7,935.89	188.56	189.25	-114.69	-1,549.85	-7,203.96	433.10	90.17	342.93	1.263	Level 3	
14,600.00	7,754.97	14,864.44	7,935.88	191.22	191.90	-114.69	-1,549.42	-7,303.96	433.10	85.28	347.82	1.245	Level 2	
14,700.00	7,754.97	14,964.44	7,935.88	193.88	194.55	-114.69	-1,548.98	-7,403.96	433.10	80.40	352.70	1.228	Level 2	
14,800.00	7,754.97	15,064.44	7,935.88	196.53	197.20	-114.69	-1,548.55	-7,503.96	433.10	75.51	357.59	1.211	Level 2	
14,900.00	7,754.97	15,164.44	7,935.88	199.19	199.85	-114.69	-1,548.11	-7,603.96	433.10	70.62	362.48	1.195	Level 2	
15,000.00	7,754.97	15,264.44	7,935.88	201.85	202.50	-114.69	-1,547.68	-7,703.96	433.10	65.73	367.38	1.179	Level 2	
15,100.00	7,754.97	15,364.44	7,935.88	204.51	205.15	-114.69	-1,547.24	-7,803.96	433.10	60.83	372.27	1.163	Level 2	
15,200.00	7,754.97	15,464.44	7,935.87	207.17	207.81	-114.69	-1,546.80	-7,903.96	433.10	55.94	377.16	1.148	Level 2	
15,300.00	7,754.97	15,564.44	7,935.87	209.84	210.47	-114.69	-1,546.37	-8,003.96	433.11	51.05	382.06	1.134	Level 2	
15,400.00	7,754.97	15,664.44	7,935.87	212.50	213.12	-114.69	-1,545.93	-8,103.95	433.11	46.15	386.96	1.119	Level 2	
15,500.00	7,754.96	15,764.44	7,935.87	215.16	215.78	-114.69	-1,545.50	-8,203.95	433.11	41.25	391.86	1.105	Level 2	
15,600.00	7,754.96	15,864.44	7,935.87	217.83	218.44	-114.69	-1,545.06	-8,303.95	433.11	36.35	396.75	1.092	Level 2	
15,700.00	7,754.96	15,964.44	7,935.86	220.49	221.10	-114.69	-1,544.63	-8,403.95	433.11	31.45	401.66	1.078	Level 2	
15,800.00	7,754.96	16,064.44	7,935.86	223.16	223.76	-114.69	-1,544.19	-8,503.95	433.11	26.55	406.56	1.065	Level 2	
15,900.00	7,754.96	16,164.44	7,935.86	225.82	226.42	-114.69	-1,543.76	-8,603.95	433.11	21.65	411.46	1.053	Level 2	
16,000.00	7,754.96	16,264.44	7,935.86	228.49	229.08	-114.69	-1,543.32	-8,703.95	433.11	16.75	416.36	1.040	Level 2	
16,100.00	7,754.96	16,364.44	7,935.86	231.16	231.74	-114.69	-1,542.89	-8,803.95	433.11	11.85	421.27	1.028	Level 2	
16,200.00	7,754.96	16,464.44	7,935.86	233.83	234.41	-114.69	-1,542.45	-8,903.95	433.11	6.94	426.17	1.016	Level 2	
16,300.00	7,754.96	16,564.44	7,935.85	236.50	237.07	-114.69	-1,542.02	-9,003.95	433.12	2.04	431.08	1.005	Level 2	
16,400.00	7,754.96	16,664.44	7,935.85	239.16	239.74	-114.69	-1,541.58	-9,103.95	433.12	-2.87	435.99	0.993	Level 1	
16,500.00	7,754.96	16,764.44	7,935.85	241.83	242.40	-114.69	-1,541.15	-9,203.94	433.12	-7.78	440.89	0.982	Level 1	
16,600.00	7,754.96	16,864.44	7,935.85	244.50	245.07	-114.69	-1,540.71	-9,303.94	433.12	-12.69	445.80	0.972	Level 1	
16,700.00	7,754.96	16,964.44	7,935.85	247.18	247.73	-114.69	-1,540.28	-9,403.94	433.12	-17.59	450.71	0.961	Level 1	
16,800.00	7,754.96	17,064.44	7,935.84	249.85	250.40	-114.69	-1,539.84	-9,503.94	433.12	-22.50	455.62	0.951	Level 1	
16,900.00	7,754.96	17,164.44	7,935.84	252.52	253.07	-114.69	-1,539.41	-9,603.94	433.12	-27.41	460.53	0.940	Level 1	
17,000.00	7,754.96	17,264.44	7,935.84	255.19	255.74	-114.68	-1,538.97	-9,703.94	433.12	-32.32	465.45	0.931	Level 1	
17,100.00	7,754.96	17,364.44	7,935.84	257.86	258.40	-114.68	-1,538.54	-9,803.94	433.12	-37.24	470.36	0.921	Level 1	
17,200.00	7,754.96	17,464.44	7,935.84	260.54	261.07	-114.68	-1,538.10	-9,903.94	433.12	-42.15	475.27	0.911	Level 1	
17,300.00	7,754.96	17,564.44	7,935.84	263.21	263.74	-114.68	-1,537.67	-10,003.94	433.13	-47.06	480.19	0.902	Level 1	
17,400.00	7,754.96	17,664.44	7,935.83	265.88	266.41	-114.68	-1,537.23	-10,103.94	433.13	-51.97	485.10	0.893	Level 1	
17,500.00	7,754.96	17,764.44	7,935.83	268.56	269.08	-114.68	-1,536.80	-10,203.94	433.13	-56.89	490.01	0.884	Level 1	
17,600.00	7,754.95	17,864.44	7,935.83	271.23	271.76	-114.68	-1,536.36	-10,303.93	433.13	-61.80	494.93	0.875	Level 1	
17,700.00	7,754.95	17,964.44	7,935.83	273.91	274.43	-114.68	-1,535.93	-10,403.93	433.13	-66.72	499.85	0.867	Level 1	
17,800.00	7,754.95	18,064.44	7,935.83	276.58	277.10	-114.68	-1,535.49	-10,503.93	433.13	-71.63	504.76	0.858	Level 1	
17,890.11	7,755.00	18,155.07	7,936.01	278.99	279.52	-114.71	-1,534.94	-10,594.56	433.05	-76.03	509.08	0.851	Level 1, ES, SF	



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	36.56	36.56					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	36.56	36.56	36.29	0.27	135.993		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	36.56	36.56	35.58	0.99	37.089		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	36.56	36.56	34.86	1.70	21.473		
400.00	400.00	400.20	400.18	1.21	1.20	92.72	-1.72	36.24	36.28	33.88	2.40	15.089		
496.73	496.73	496.88	496.73	1.56	1.53	100.66	-6.65	35.31	35.93	32.85	3.08	11.662 CC		
500.00	500.00	500.15	499.98	1.57	1.54	101.02	-6.87	35.27	35.93	32.83	3.10	11.576 ES		
600.00	600.00	599.61	599.07	1.93	1.89	114.56	-15.38	33.67	37.03	33.21	3.82	9.694		
700.00	700.00	698.36	697.08	2.29	2.27	130.83	-27.17	31.45	41.67	37.12	4.54	9.170		
800.00	799.98	796.44	793.96	2.63	2.67	-51.33	-42.17	28.63	50.22	44.98	5.24	9.581		
900.00	899.84	894.06	889.81	2.96	3.09	-42.24	-60.31	25.21	60.90	54.98	5.92	10.287		
1,000.00	999.45	991.23	984.54	3.30	3.55	-36.18	-81.56	21.21	72.72	66.12	6.60	11.019		
1,100.00	1,098.70	1,087.96	1,078.06	3.66	4.04	-32.03	-105.82	16.65	85.17	77.88	7.28	11.692		
1,200.00	1,197.47	1,184.25	1,170.27	4.04	4.57	-29.13	-133.05	11.52	97.97	89.99	7.97	12.286		
1,294.51	1,290.25	1,276.88	1,258.25	4.42	5.11	-27.23	-161.54	6.16	109.69	101.02	8.67	12.652		
1,300.00	1,295.62	1,282.34	1,263.43	4.44	5.14	-27.16	-163.23	5.84	110.31	101.60	8.71	12.664		
1,400.00	1,393.48	1,381.67	1,357.71	4.87	5.73	-25.94	-193.99	0.05	121.55	112.06	9.49	12.809		
1,500.00	1,491.33	1,481.01	1,451.99	5.31	6.34	-24.93	-224.74	-5.74	132.83	122.55	10.27	12.928		
1,600.00	1,589.19	1,580.35	1,546.26	5.76	6.95	-24.08	-255.50	-11.53	144.15	133.08	11.06	13.027		
1,700.00	1,687.04	1,679.68	1,640.54	6.22	7.57	-23.35	-286.25	-17.31	155.49	143.63	11.86	13.111		
1,800.00	1,784.90	1,779.02	1,734.82	6.68	8.19	-22.72	-317.01	-23.10	166.86	154.20	12.66	13.182		
1,900.00	1,882.75	1,878.35	1,829.10	7.15	8.81	-22.17	-347.76	-28.89	178.24	164.78	13.46	13.244		
2,000.00	1,980.61	1,977.69	1,923.38	7.63	9.44	-21.69	-378.52	-34.68	189.64	175.38	14.26	13.298		
2,100.00	2,078.46	2,077.03	2,017.65	8.11	10.07	-21.26	-409.27	-40.47	201.04	185.98	15.07	13.345		
2,200.00	2,176.31	2,176.36	2,111.93	8.59	10.70	-20.88	-440.03	-46.26	212.46	196.59	15.87	13.387		
2,300.00	2,274.17	2,275.70	2,206.21	9.07	11.33	-20.54	-470.78	-52.04	223.89	207.21	16.68	13.424		
2,400.00	2,372.02	2,375.04	2,300.49	9.56	11.96	-20.23	-501.54	-57.83	235.33	217.84	17.49	13.457		
2,500.00	2,469.88	2,474.37	2,394.77	10.04	12.59	-19.94	-532.29	-63.62	246.77	228.47	18.30	13.487		
2,600.00	2,567.73	2,573.71	2,489.04	10.53	13.23	-19.69	-563.05	-69.41	258.21	239.11	19.11	13.514		
2,700.00	2,665.59	2,673.05	2,583.32	11.02	13.86	-19.45	-593.81	-75.20	269.66	249.74	19.92	13.539		
2,800.00	2,763.44	2,772.38	2,677.60	11.52	14.50	-19.24	-624.56	-80.99	281.12	260.39	20.73	13.561		
2,900.00	2,861.29	2,871.72	2,771.88	12.01	15.14	-19.04	-655.32	-86.78	292.58	271.03	21.54	13.582		
3,000.00	2,959.15	2,971.06	2,866.16	12.50	15.77	-18.86	-686.07	-92.56	304.04	281.68	22.35	13.601		
3,100.00	3,057.00	3,070.39	2,960.43	13.00	16.41	-18.69	-716.83	-98.35	315.50	292.33	23.17	13.619		
3,200.00	3,154.86	3,169.73	3,054.71	13.49	17.05	-18.53	-747.58	-104.14	326.97	302.99	23.98	13.635		
3,300.00	3,252.71	3,269.06	3,148.99	13.99	17.69	-18.38	-778.34	-109.93	338.44	313.64	24.79	13.650		
3,400.00	3,350.57	3,368.40	3,243.27	14.48	18.33	-18.24	-809.09	-115.72	349.91	324.30	25.61	13.664		
3,500.00	3,448.42	3,467.74	3,337.55	14.98	18.97	-18.11	-839.85	-121.51	361.38	334.96	26.42	13.677		
3,600.00	3,546.28	3,567.07	3,431.82	15.48	19.61	-17.99	-870.60	-127.30	372.86	345.62	27.24	13.689		
3,700.00	3,644.13	3,666.41	3,526.10	15.98	20.24	-17.88	-901.36	-133.08	384.33	356.28	28.05	13.700		
3,800.00	3,741.98	3,765.75	3,620.38	16.47	20.88	-17.77	-932.11	-138.87	395.81	366.94	28.87	13.711		
3,900.00	3,839.84	3,865.08	3,714.66	16.97	21.52	-17.67	-962.87	-144.66	407.29	377.61	29.68	13.721		
4,000.00	3,937.69	3,964.42	3,808.94	17.47	22.16	-17.57	-993.62	-150.45	418.77	388.27	30.50	13.730		
4,100.00	4,035.55	4,063.76	3,903.21	17.97	22.80	-17.48	-1,024.38	-156.24	430.25	398.94	31.32	13.739		
4,200.00	4,133.40	4,163.09	3,997.49	18.47	23.45	-17.40	-1,055.13	-162.03	441.73	409.60	32.13	13.747		
4,300.00	4,231.26	4,262.43	4,091.77	18.97	24.09	-17.32	-1,085.89	-167.82	453.22	420.27	32.95	13.755		
4,400.00	4,329.11	4,361.77	4,186.05	19.47	24.73	-17.24	-1,116.64	-173.60	464.70	430.94	33.77	13.763		
4,500.00	4,426.97	4,461.10	4,280.33	19.97	25.37	-17.16	-1,147.40	-179.39	476.19	441.60	34.58	13.770		
4,600.00	4,524.82	4,560.44	4,374.60	20.47	26.01	-17.09	-1,178.16	-185.18	487.67	452.27	35.40	13.777		
4,700.00	4,622.67	4,659.78	4,468.88	20.97	26.65	-17.03	-1,208.91	-190.97	499.16	462.94	36.22	13.783		
4,800.00	4,720.53	4,759.11	4,563.16	21.47	27.29	-16.96	-1,239.67	-196.76	510.65	473.61	37.03	13.789		
4,900.00	4,818.38	4,858.45	4,657.44	21.97	27.93	-16.90	-1,270.42	-202.55	522.13	484.28	37.85	13.795		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,957.78	4,751.72	22.47	28.57	-16.84	-1,301.18	-208.33	533.62	494.95	38.67	13.800		
5,100.00	5,014.09	5,057.12	4,845.99	22.98	29.21	-16.79	-1,331.93	-214.12	545.11	505.63	39.48	13.806		
5,200.00	5,111.95	5,156.46	4,940.27	23.48	29.86	-16.73	-1,362.69	-219.91	556.60	516.30	40.30	13.811		
5,300.00	5,209.80	5,255.79	5,034.55	23.98	30.50	-16.68	-1,393.44	-225.70	568.09	526.97	41.12	13.816		
5,400.00	5,307.66	5,355.13	5,128.83	24.48	31.14	-16.63	-1,424.20	-231.49	579.58	537.64	41.94	13.820		
5,500.00	5,405.51	5,454.47	5,223.11	24.98	31.78	-16.58	-1,454.95	-237.28	591.07	548.32	42.75	13.825		
5,600.00	5,503.36	5,553.80	5,317.38	25.48	32.42	-16.54	-1,485.71	-243.07	602.56	558.99	43.57	13.829		
5,700.00	5,601.22	5,653.14	5,411.66	25.99	33.06	-16.49	-1,516.46	-248.85	614.05	569.66	44.39	13.833		
5,800.00	5,699.07	5,752.48	5,505.94	26.49	33.71	-16.45	-1,547.22	-254.64	625.54	580.34	45.21	13.837		
5,900.00	5,796.93	5,851.81	5,600.22	26.99	34.35	-16.41	-1,577.97	-260.43	637.04	591.01	46.03	13.841		
6,000.00	5,894.78	5,951.15	5,694.50	27.49	34.99	-16.37	-1,608.73	-266.22	648.53	601.68	46.84	13.844		
6,100.00	5,992.64	6,050.49	5,788.77	27.99	35.63	-16.33	-1,639.48	-272.01	660.02	612.36	47.66	13.848		
6,200.00	6,090.49	6,149.82	5,883.05	28.50	36.27	-16.30	-1,670.24	-277.80	671.51	623.03	48.48	13.851		
6,300.00	6,188.35	6,249.16	5,977.33	29.00	36.91	-16.26	-1,700.99	-283.59	683.01	633.71	49.30	13.854		
6,400.00	6,286.20	6,348.50	6,071.61	29.50	37.56	-16.23	-1,731.75	-289.37	694.50	644.38	50.12	13.858		
6,500.00	6,384.05	6,447.83	6,165.89	30.00	38.20	-16.19	-1,762.51	-295.16	705.99	655.06	50.94	13.861		
6,600.00	6,481.91	6,547.17	6,260.16	30.51	38.84	-16.16	-1,793.26	-300.95	717.49	665.73	51.75	13.863		
6,681.59	6,561.75	6,628.22	6,337.08	30.92	39.36	-16.13	-1,818.35	-305.67	726.87	674.44	52.42	13.866		
6,700.00	6,579.77	6,646.50	6,354.43	31.01	39.48	-16.14	-1,824.01	-306.74	729.04	676.47	52.57	13.867		
6,800.00	6,678.09	6,768.86	6,471.02	31.48	40.25	-16.13	-1,860.52	-313.61	741.73	688.17	53.56	13.849		
6,900.00	6,776.98	6,902.37	6,599.84	31.92	41.02	-16.10	-1,894.90	-320.08	753.45	698.92	54.53	13.817		
7,000.00	6,876.33	7,036.75	6,731.03	32.32	41.70	-16.05	-1,923.52	-325.47	763.93	708.56	55.37	13.797		
7,100.00	6,976.01	7,171.94	6,864.22	32.69	42.31	-16.00	-1,946.17	-329.73	773.16	717.08	56.08	13.787		
7,200.00	7,075.91	7,307.83	6,999.05	33.01	42.84	-15.93	-1,962.69	-332.84	781.11	724.45	56.65	13.787		
7,276.10	7,152.00	7,411.65	7,102.52	33.22	43.18	179.92	-1,971.07	-334.42	786.28	729.29	56.99	13.797		
7,299.99	7,175.89	7,444.31	7,135.12	33.28	43.27	179.95	-1,972.94	-334.77	787.65	730.58	57.07	13.800		
7,306.10	7,182.00	7,452.68	7,143.48	33.29	43.29	179.95	-1,973.36	-334.85	787.96	730.86	57.10	13.801		
7,350.00	7,225.86	7,512.77	7,203.53	33.41	43.46	-90.26	-1,975.68	-335.29	789.66	732.40	57.26	13.790		
7,400.00	7,275.48	7,580.84	7,271.58	33.56	43.61	-90.75	-1,976.81	-335.50	790.55	733.06	57.49	13.752		
7,450.00	7,324.39	7,633.98	7,324.72	33.72	43.72	-91.50	-1,976.85	-335.57	790.78	732.87	57.91	13.656		
7,500.00	7,372.22	7,685.03	7,375.66	33.88	43.83	-92.32	-1,976.84	-338.62	791.18	732.79	58.39	13.550		
7,550.00	7,418.60	7,737.22	7,427.25	34.05	43.95	-93.14	-1,976.80	-346.41	791.74	732.87	58.88	13.448		
7,600.00	7,463.18	7,790.62	7,479.07	34.23	44.08	-93.94	-1,976.75	-359.20	792.46	733.10	59.36	13.350		
7,650.00	7,505.62	7,845.26	7,530.63	34.42	44.23	-94.71	-1,976.67	-377.22	793.30	733.46	59.84	13.257		
7,700.00	7,545.60	7,901.18	7,581.38	34.61	44.38	-95.46	-1,976.56	-400.66	794.25	733.93	60.32	13.168		
7,750.00	7,582.81	7,958.40	7,630.69	34.81	44.55	-96.17	-1,976.43	-429.65	795.27	734.49	60.78	13.084		
7,800.00	7,616.97	8,016.92	7,677.87	35.03	44.73	-96.84	-1,976.28	-464.23	796.34	735.10	61.24	13.004		
7,850.00	7,647.83	8,076.71	7,722.17	35.25	44.91	-97.46	-1,976.10	-504.33	797.40	735.71	61.70	12.924		
7,900.00	7,675.13	8,137.71	7,762.82	35.50	45.12	-98.01	-1,975.90	-549.78	798.43	736.27	62.17	12.844		
7,950.00	7,698.69	8,199.83	7,799.01	35.76	45.33	-98.50	-1,975.68	-600.24	799.38	736.72	62.66	12.757		
8,000.00	7,718.31	8,262.96	7,829.97	36.05	45.57	-98.91	-1,975.43	-655.20	800.21	736.99	63.22	12.658		
8,050.00	7,733.85	8,326.92	7,854.99	36.38	45.84	-99.23	-1,975.17	-714.03	800.89	737.04	63.85	12.544		
8,100.00	7,745.19	8,391.53	7,873.45	36.74	46.13	-99.46	-1,974.90	-775.92	801.38	736.81	64.57	12.411		
8,150.00	7,752.25	8,456.58	7,884.88	37.13	46.46	-99.59	-1,974.61	-839.91	801.67	736.25	65.42	12.255		
8,200.00	7,754.97	8,521.82	7,888.99	37.57	46.83	-99.62	-1,974.32	-904.99	801.74	735.35	66.39	12.077		
8,206.17	7,755.00	8,529.87	7,888.98	37.63	46.88	-99.62	-1,974.29	-913.05	801.73	735.22	66.51	12.054		
8,238.64	7,755.00	8,561.28	7,889.00	37.94	47.07	-99.62	-1,974.15	-944.46	801.73	734.34	67.39	11.896		
8,300.00	7,755.00	8,622.64	7,889.00	38.57	47.48	-99.62	-1,973.88	-1,005.81	801.73	732.68	69.05	11.611		
8,400.00	7,755.00	8,722.64	7,889.00	39.75	48.25	-99.62	-1,973.43	-1,105.81	801.72	729.71	72.01	11.134		
8,500.00	7,755.00	8,822.64	7,889.00	41.10	49.14	-99.62	-1,972.99	-1,205.81	801.71	726.49	75.22	10.658		
8,600.00	7,755.00	8,922.64	7,889.00	42.59	50.17	-99.62	-1,972.55	-1,305.81	801.71	723.04	78.67	10.191		
8,700.00	7,755.00	9,022.64	7,888.99	44.23	51.33	-99.62	-1,972.11	-1,405.80	801.70	719.39	82.31	9.739		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - JAMASO 4-6S 5-6-11 - ORIGINAL WELLBORE - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
8,800.00	7,755.00	9,122.64	7,888.99	45.98	52.62	-99.62	-1,971.66	-1,505.80	801.70	715.56	86.13	9.307				
8,900.00	7,755.00	9,222.63	7,888.99	47.83	54.05	-99.62	-1,971.22	-1,605.80	801.69	711.58	90.11	8.897				
9,000.00	7,755.00	9,322.63	7,888.99	49.78	55.59	-99.62	-1,970.78	-1,705.80	801.68	707.47	94.21	8.509				
9,100.00	7,755.00	9,422.63	7,888.99	51.80	57.25	-99.62	-1,970.34	-1,805.80	801.68	703.25	98.43	8.144				
9,200.00	7,755.00	9,522.63	7,888.99	53.88	59.01	-99.62	-1,969.89	-1,905.79	801.67	698.92	102.76	7.802				
9,300.00	7,754.99	9,622.63	7,888.99	56.03	60.85	-99.62	-1,969.45	-2,005.79	801.67	694.50	107.17	7.480				
9,400.00	7,754.99	9,722.63	7,888.99	58.22	62.78	-99.62	-1,969.01	-2,105.79	801.66	690.00	111.66	7.180				
9,500.00	7,754.99	9,822.63	7,888.99	60.46	64.78	-99.62	-1,968.57	-2,205.79	801.66	685.44	116.22	6.898				
9,600.00	7,754.99	9,922.63	7,888.99	62.74	66.84	-99.62	-1,968.13	-2,305.79	801.65	680.81	120.84	6.634				
9,700.00	7,754.99	10,022.63	7,888.98	65.05	68.95	-99.62	-1,967.68	-2,405.78	801.65	676.13	125.52	6.386				
9,800.00	7,754.99	10,122.62	7,888.98	67.39	71.12	-99.62	-1,967.24	-2,505.78	801.64	671.39	130.25	6.155				
9,900.00	7,754.99	10,222.62	7,888.98	69.76	73.32	-99.62	-1,966.80	-2,605.78	801.64	666.62	135.02	5.937				
10,000.00	7,754.99	10,322.62	7,888.98	72.15	75.57	-99.62	-1,966.36	-2,705.78	801.64	661.80	139.83	5.733				
10,100.00	7,754.99	10,422.62	7,888.98	74.56	77.84	-99.62	-1,965.92	-2,805.77	801.63	656.95	144.68	5.541				
10,200.00	7,754.99	10,522.62	7,888.98	77.00	80.15	-99.62	-1,965.48	-2,905.77	801.63	652.07	149.56	5.360				
10,300.00	7,754.99	10,622.62	7,888.98	79.45	82.49	-99.62	-1,965.04	-3,005.77	801.62	647.16	154.47	5.190				
10,400.00	7,754.99	10,722.62	7,888.98	81.92	84.85	-99.62	-1,964.60	-3,105.77	801.62	642.22	159.40	5.029				
10,500.00	7,754.99	10,822.62	7,888.98	84.40	87.23	-99.62	-1,964.16	-3,205.77	801.62	637.26	164.36	4.877				
10,600.00	7,754.99	10,922.61	7,888.98	86.89	89.64	-99.62	-1,963.72	-3,305.76	801.61	632.27	169.34	4.734				
10,700.00	7,754.99	11,022.61	7,888.98	89.40	92.06	-99.62	-1,963.28	-3,405.76	801.61	627.27	174.34	4.598				
10,800.00	7,754.99	11,122.61	7,888.98	91.92	94.50	-99.62	-1,962.84	-3,505.76	801.61	622.25	179.36	4.469				
10,900.00	7,754.99	11,222.61	7,888.98	94.44	96.95	-99.62	-1,962.40	-3,605.76	801.60	617.21	184.39	4.347				
11,000.00	7,754.99	11,322.61	7,888.98	96.98	99.42	-99.62	-1,961.96	-3,705.76	801.60	612.16	189.45	4.231				
11,100.00	7,754.99	11,422.61	7,888.98	99.53	101.89	-99.62	-1,961.52	-3,805.75	801.60	607.09	194.51	4.121				
11,200.00	7,754.99	11,522.61	7,888.97	102.08	104.39	-99.62	-1,961.08	-3,905.75	801.60	602.01	199.59	4.016				
11,300.00	7,754.99	11,622.61	7,888.97	104.64	106.89	-99.62	-1,960.64	-4,005.75	801.59	596.91	204.68	3.916				
11,400.00	7,754.98	11,722.61	7,888.97	107.21	109.40	-99.62	-1,960.20	-4,105.75	801.59	591.81	209.78	3.821				
11,500.00	7,754.98	11,822.60	7,888.97	109.78	111.92	-99.62	-1,959.76	-4,205.75	801.59	586.70	214.89	3.730				
11,600.00	7,754.98	11,922.60	7,888.97	112.36	114.45	-99.62	-1,959.32	-4,305.74	801.59	581.57	220.02	3.643				
11,700.00	7,754.98	12,022.60	7,888.97	114.94	116.99	-99.62	-1,958.88	-4,405.74	801.59	576.44	225.15	3.560				
11,800.00	7,754.98	12,122.60	7,888.97	117.53	119.53	-99.62	-1,958.45	-4,505.74	801.58	571.30	230.29	3.481				
11,900.00	7,754.98	12,222.60	7,888.97	120.13	122.09	-99.62	-1,958.01	-4,605.74	801.58	566.15	235.44	3.405				
12,000.00	7,754.98	12,322.60	7,888.97	122.73	124.64	-99.62	-1,957.57	-4,705.73	801.58	560.99	240.59	3.332				
12,100.00	7,754.98	12,422.60	7,888.97	125.33	127.21	-99.62	-1,957.13	-4,805.73	801.58	555.83	245.75	3.262				
12,200.00	7,754.98	12,522.60	7,888.97	127.93	129.78	-99.62	-1,956.69	-4,905.73	801.58	550.66	250.92	3.195				
12,300.00	7,754.98	12,622.60	7,888.97	130.54	132.35	-99.62	-1,956.26	-5,005.73	801.58	545.48	256.10	3.130				
12,400.00	7,754.98	12,722.59	7,888.97	133.16	134.93	-99.62	-1,955.82	-5,105.73	801.58	540.30	261.28	3.068				
12,500.00	7,754.98	12,822.59	7,888.97	135.77	137.52	-99.62	-1,955.38	-5,205.72	801.58	535.11	266.46	3.008				
12,600.00	7,754.98	12,922.59	7,888.97	138.39	140.11	-99.62	-1,954.94	-5,305.72	801.58	529.92	271.65	2.951				
12,700.00	7,754.98	13,022.59	7,888.97	141.02	142.70	-99.62	-1,954.51	-5,405.72	801.58	524.72	276.85	2.895				
12,800.00	7,754.98	13,122.59	7,888.97	143.64	145.30	-99.62	-1,954.07	-5,505.72	801.58	519.52	282.05	2.842				
12,884.13	7,754.98	13,206.72	7,888.97	145.85	147.48	-99.62	-1,953.70	-5,589.85	801.58	515.14	286.43	2.798				
12,900.00	7,754.98	13,222.59	7,888.97	146.27	147.90	-99.62	-1,953.63	-5,605.72	801.58	514.32	287.26	2.790				
13,000.00	7,754.98	13,322.59	7,888.97	148.90	150.50	-99.62	-1,953.20	-5,705.71	801.58	509.11	292.47	2.741				
13,100.00	7,754.98	13,422.59	7,888.97	151.53	153.11	-99.62	-1,952.76	-5,805.71	801.58	503.90	297.68	2.693				
13,200.00	7,754.98	13,522.59	7,888.97	154.17	155.72	-99.62	-1,952.32	-5,905.71	801.58	498.68	302.90	2.646				
13,300.00	7,754.98	13,622.58	7,888.97	156.80	158.33	-99.62	-1,951.89	-6,005.71	801.58	493.46	308.12	2.602				
13,400.00	7,754.98	13,722.58	7,888.97	159.44	160.95	-99.62	-1,951.45	-6,105.71	801.58	488.24	313.34	2.558				
13,500.00	7,754.97	13,822.58	7,888.97	162.08	163.56	-99.62	-1,951.01	-6,205.70	801.58	483.01	318.57	2.516				
13,600.00	7,754.97	13,922.58	7,888.97	164.72	166.19	-99.62	-1,950.58	-6,305.70	801.58	477.78	323.80	2.476				
13,700.00	7,754.97	14,022.58	7,888.97	167.37	168.81	-99.62	-1,950.14	-6,405.70	801.58	472.55	329.03	2.436				
13,800.00	7,754.97	14,122.58	7,888.97	170.01	171.43	-99.62	-1,949.71	-6,505.70	801.58	467.32	334.26	2.398				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.00	7,754.97	14,222.58	7,888.97	172.66	174.06	-99.62	-1,949.27	-6,605.69	801.58	462.08	339.50	2.361		
14,000.00	7,754.97	14,322.58	7,888.97	175.31	176.69	-99.62	-1,948.83	-6,705.69	801.58	456.84	344.74	2.325		
14,100.00	7,754.97	14,422.57	7,888.97	177.95	179.32	-99.62	-1,948.40	-6,805.69	801.59	451.60	349.99	2.290		
14,200.00	7,754.97	14,522.57	7,888.97	180.61	181.96	-99.62	-1,947.96	-6,905.69	801.59	446.36	355.23	2.257		
14,300.00	7,754.97	14,622.57	7,888.97	183.26	184.59	-99.62	-1,947.53	-7,005.69	801.59	441.11	360.48	2.224		
14,400.00	7,754.97	14,722.57	7,888.97	185.91	187.23	-99.62	-1,947.09	-7,105.68	801.59	435.86	365.73	2.192		
14,500.00	7,754.97	14,822.57	7,888.97	188.56	189.87	-99.62	-1,946.66	-7,205.68	801.59	430.62	370.98	2.161		
14,600.00	7,754.97	14,922.57	7,888.97	191.22	192.51	-99.62	-1,946.22	-7,305.68	801.60	425.36	376.23	2.131		
14,700.00	7,754.97	15,022.57	7,888.97	193.88	195.15	-99.62	-1,945.79	-7,405.68	801.60	420.11	381.49	2.101		
14,800.00	7,754.97	15,122.57	7,888.97	196.53	197.79	-99.62	-1,945.36	-7,505.68	801.60	414.86	386.74	2.073		
14,900.00	7,754.97	15,222.57	7,888.97	199.19	200.44	-99.62	-1,944.92	-7,605.67	801.60	409.60	392.00	2.045		
15,000.00	7,754.97	15,322.56	7,888.98	201.85	203.09	-99.62	-1,944.49	-7,705.67	801.61	404.35	397.26	2.018		
15,100.00	7,754.97	15,422.56	7,888.98	204.51	205.73	-99.62	-1,944.05	-7,805.67	801.61	399.09	402.52	1.991		
15,200.00	7,754.97	15,522.56	7,888.98	207.17	208.38	-99.62	-1,943.62	-7,905.67	801.61	393.83	407.79	1.966		
15,300.00	7,754.97	15,622.56	7,888.98	209.84	211.03	-99.62	-1,943.19	-8,005.67	801.62	388.57	413.05	1.941		
15,400.00	7,754.97	15,722.56	7,888.98	212.50	213.68	-99.62	-1,942.75	-8,105.66	801.62	383.30	418.32	1.916		
15,500.00	7,754.96	15,822.56	7,888.98	215.16	216.33	-99.62	-1,942.32	-8,205.66	801.62	378.04	423.58	1.892		
15,600.00	7,754.96	15,922.56	7,888.98	217.83	218.99	-99.62	-1,941.89	-8,305.66	801.63	372.78	428.85	1.869		
15,700.00	7,754.96	16,022.56	7,888.98	220.49	221.64	-99.62	-1,941.45	-8,405.66	801.63	367.51	434.12	1.847		
15,800.00	7,754.96	16,122.56	7,888.98	223.16	224.29	-99.62	-1,941.02	-8,505.66	801.63	362.24	439.39	1.824		
15,900.00	7,754.96	16,222.55	7,888.98	225.82	226.95	-99.62	-1,940.59	-8,605.65	801.64	356.97	444.66	1.803		
16,000.00	7,754.96	16,322.55	7,888.98	228.49	229.61	-99.62	-1,940.16	-8,705.65	801.64	351.71	449.94	1.782		
16,100.00	7,754.96	16,422.55	7,888.98	231.16	232.26	-99.62	-1,939.72	-8,805.65	801.65	346.44	455.21	1.761		
16,200.00	7,754.96	16,522.55	7,888.98	233.83	234.92	-99.62	-1,939.29	-8,905.65	801.65	341.17	460.49	1.741		
16,300.00	7,754.96	16,622.55	7,888.98	236.50	237.58	-99.62	-1,938.86	-9,005.64	801.66	335.89	465.76	1.721		
16,400.00	7,754.96	16,722.55	7,888.98	239.16	240.24	-99.62	-1,938.43	-9,105.64	801.66	330.62	471.04	1.702		
16,500.00	7,754.96	16,822.55	7,888.99	241.83	242.90	-99.62	-1,937.99	-9,205.64	801.67	325.35	476.32	1.683		
16,600.00	7,754.96	16,922.55	7,888.99	244.50	245.56	-99.62	-1,937.56	-9,305.64	801.67	320.08	481.60	1.665		
16,700.00	7,754.96	17,022.55	7,888.99	247.18	248.23	-99.62	-1,937.13	-9,405.64	801.68	314.80	486.88	1.647		
16,800.00	7,754.96	17,122.54	7,888.99	249.85	250.89	-99.62	-1,936.70	-9,505.63	801.68	309.53	492.16	1.629		
16,900.00	7,754.96	17,222.54	7,888.99	252.52	253.55	-99.62	-1,936.27	-9,605.63	801.69	304.25	497.44	1.612		
17,000.00	7,754.96	17,322.54	7,888.99	255.19	256.22	-99.62	-1,935.84	-9,705.63	801.69	298.97	502.72	1.595		
17,100.00	7,754.96	17,422.54	7,888.99	257.86	258.88	-99.62	-1,935.41	-9,805.63	801.70	293.70	508.00	1.578		
17,200.00	7,754.96	17,522.54	7,888.99	260.54	261.55	-99.62	-1,934.97	-9,905.63	801.71	288.42	513.29	1.562		
17,300.00	7,754.96	17,622.54	7,888.99	263.21	264.21	-99.62	-1,934.54	-10,005.62	801.71	283.14	518.57	1.546		
17,400.00	7,754.96	17,722.54	7,888.99	265.88	266.88	-99.62	-1,934.11	-10,105.62	801.72	277.86	523.86	1.530		
17,500.00	7,754.96	17,822.54	7,889.00	268.56	269.55	-99.62	-1,933.68	-10,205.62	801.73	272.58	529.14	1.515		
17,600.00	7,754.95	17,922.53	7,889.00	271.23	272.21	-99.62	-1,933.25	-10,305.62	801.73	267.30	534.43	1.500		
17,700.00	7,754.95	18,022.53	7,889.00	273.91	274.88	-99.62	-1,932.82	-10,405.62	801.74	262.02	539.72	1.485 Level 3		
17,800.00	7,754.95	18,122.53	7,889.00	276.58	277.55	-99.62	-1,932.39	-10,505.61	801.75	256.74	545.01	1.471 Level 3		
17,875.04	7,754.95	18,197.58	7,889.00	278.59	279.55	-99.62	-1,932.07	-10,580.66	801.75	252.78	548.97	1.460 Level 3		
17,890.11	7,755.00	18,212.64	7,889.00	278.99	279.95	-99.62	-1,932.00	-10,595.72	801.74	251.97	549.78	1.458 Level 3, SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	53.44	53.44					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	53.44	53.44	53.17	0.27	198.760		
200.00	200.00	200.26	200.24	0.49	0.48	91.87	-1.73	53.15	53.18	52.20	0.98	54.502		
300.00	300.00	300.28	300.12	0.85	0.85	97.52	-6.90	52.30	52.75	51.06	1.69	31.167		
323.11	323.11	323.34	323.11	0.93	0.93	99.37	-8.59	52.02	52.72	50.86	1.86	28.305 CC		
400.00	400.00	399.81	399.27	1.21	1.22	106.91	-15.47	50.88	53.19	50.76	2.43	21.910 ES		
500.00	500.00	498.63	497.34	1.57	1.61	119.18	-27.32	48.93	56.10	52.92	3.18	17.657		
600.00	600.00	596.49	594.01	1.93	2.03	132.35	-42.34	46.45	63.14	59.21	3.93	16.077		
700.00	700.00	693.20	688.97	2.29	2.48	144.25	-60.38	43.47	75.21	70.56	4.66	16.144		
800.00	799.98	788.94	782.32	2.63	2.95	-42.48	-81.34	40.01	91.09	85.74	5.35	17.021		
900.00	899.84	884.05	874.30	2.96	3.46	-36.37	-105.20	36.08	108.60	102.58	6.02	18.031		
1,000.00	999.45	978.53	964.82	3.30	3.99	-32.14	-131.87	31.67	126.99	120.29	6.69	18.970		
1,100.00	1,098.70	1,072.41	1,053.84	3.66	4.57	-29.13	-161.27	26.82	145.85	138.47	7.38	19.772		
1,200.00	1,197.47	1,165.69	1,141.29	4.04	5.18	-26.93	-193.33	21.53	164.94	156.88	8.07	20.447		
1,294.51	1,290.25	1,256.35	1,225.39	4.42	5.80	-25.40	-226.71	16.02	182.63	173.87	8.77	20.836		
1,300.00	1,295.62	1,261.75	1,230.40	4.44	5.84	-25.33	-228.71	15.69	183.60	174.79	8.81	20.851		
1,400.00	1,393.48	1,360.13	1,321.57	4.87	6.53	-24.29	-265.18	9.67	201.20	191.60	9.60	20.961		
1,500.00	1,491.33	1,458.51	1,412.74	5.31	7.23	-23.41	-301.64	3.65	218.86	208.46	10.40	21.046		
1,600.00	1,589.19	1,556.89	1,503.91	5.76	7.93	-22.67	-338.11	-2.36	236.56	225.36	11.20	21.112		
1,700.00	1,687.04	1,655.26	1,595.08	6.22	8.63	-22.03	-374.58	-8.38	254.29	242.28	12.01	21.166		
1,800.00	1,784.90	1,753.64	1,686.25	6.68	9.34	-21.47	-411.05	-14.40	272.05	259.23	12.83	21.210		
1,900.00	1,882.75	1,852.02	1,777.42	7.15	10.05	-20.98	-447.51	-20.42	289.84	276.19	13.64	21.246		
2,000.00	1,980.61	1,950.40	1,868.59	7.63	10.76	-20.55	-483.98	-26.44	307.64	293.18	14.46	21.276		
2,100.00	2,078.46	2,048.78	1,959.76	8.11	11.48	-20.16	-520.45	-32.46	325.45	310.17	15.28	21.302		
2,200.00	2,176.31	2,147.15	2,050.94	8.59	12.19	-19.82	-556.91	-38.47	343.28	327.18	16.10	21.323		
2,300.00	2,274.17	2,245.53	2,142.11	9.07	12.91	-19.51	-593.38	-44.49	361.12	344.20	16.92	21.342		
2,400.00	2,372.02	2,343.91	2,233.28	9.56	13.62	-19.23	-629.85	-50.51	378.97	361.22	17.74	21.358		
2,500.00	2,469.88	2,442.29	2,324.45	10.04	14.34	-18.97	-666.32	-56.53	396.82	378.26	18.57	21.372		
2,600.00	2,567.73	2,540.67	2,415.62	10.53	15.06	-18.73	-702.78	-62.55	414.69	395.29	19.39	21.384		
2,700.00	2,665.59	2,639.04	2,506.79	11.02	15.78	-18.52	-739.25	-68.57	432.56	412.34	20.22	21.395		
2,800.00	2,763.44	2,737.42	2,597.96	11.52	16.50	-18.32	-775.72	-74.59	450.43	429.39	21.04	21.404		
2,900.00	2,861.29	2,835.80	2,689.13	12.01	17.22	-18.14	-812.19	-80.60	468.31	446.44	21.87	21.413		
3,000.00	2,959.15	2,934.18	2,780.30	12.50	17.93	-17.97	-848.65	-86.62	486.19	463.50	22.70	21.420		
3,100.00	3,057.00	3,032.56	2,871.47	13.00	18.65	-17.81	-885.12	-92.64	504.08	480.56	23.53	21.427		
3,200.00	3,154.86	3,130.93	2,962.64	13.49	19.37	-17.67	-921.59	-98.66	521.97	497.62	24.35	21.433		
3,300.00	3,252.71	3,229.31	3,053.82	13.99	20.10	-17.53	-958.06	-104.68	539.87	514.69	25.18	21.438		
3,400.00	3,350.57	3,327.69	3,144.99	14.48	20.82	-17.40	-994.52	-110.70	557.77	531.75	26.01	21.443		
3,500.00	3,448.42	3,426.07	3,236.16	14.98	21.54	-17.28	-1,030.99	-116.72	575.67	548.82	26.84	21.448		
3,600.00	3,546.28	3,524.45	3,327.33	15.48	22.26	-17.17	-1,067.46	-122.73	593.57	565.90	27.67	21.451		
3,700.00	3,644.13	3,622.82	3,418.50	15.98	22.98	-17.06	-1,103.93	-128.75	611.47	582.97	28.50	21.455		
3,800.00	3,741.98	3,721.20	3,509.67	16.47	23.70	-16.96	-1,140.39	-134.77	629.38	600.05	29.33	21.458		
3,900.00	3,839.84	3,819.58	3,600.84	16.97	24.42	-16.87	-1,176.86	-140.79	647.29	617.13	30.16	21.461		
4,000.00	3,937.69	3,917.96	3,692.01	17.47	25.14	-16.78	-1,213.33	-146.81	665.20	634.20	30.99	21.464		
4,100.00	4,035.55	4,016.34	3,783.18	17.97	25.86	-16.69	-1,249.80	-152.83	683.11	651.28	31.82	21.466		
4,200.00	4,133.40	4,114.71	3,874.35	18.47	26.59	-16.61	-1,286.26	-158.84	701.02	668.37	32.65	21.469		
4,300.00	4,231.26	4,213.09	3,965.52	18.97	27.31	-16.53	-1,322.73	-164.86	718.93	685.45	33.48	21.471		
4,400.00	4,329.11	4,311.47	4,056.70	19.47	28.03	-16.46	-1,359.20	-170.88	736.85	702.53	34.32	21.473		
4,500.00	4,426.97	4,409.85	4,147.87	19.97	28.75	-16.39	-1,395.67	-176.90	754.76	719.62	35.15	21.474		
4,600.00	4,524.82	4,508.23	4,239.04	20.47	29.47	-16.33	-1,432.13	-182.92	772.68	736.70	35.98	21.476		
4,700.00	4,622.67	4,606.60	4,330.21	20.97	30.20	-16.26	-1,468.60	-188.94	790.60	753.79	36.81	21.478		
4,800.00	4,720.53	4,704.98	4,421.38	21.47	30.92	-16.20	-1,505.07	-194.96	808.52	770.87	37.64	21.479		
4,900.00	4,818.38	4,803.36	4,512.55	21.97	31.64	-16.14	-1,541.54	-200.97	826.44	787.96	38.47	21.480		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,901.74	4,603.72	22.47	32.36	-16.09	-1,578.00	-206.99	844.36	805.05	39.31	21.481		
5,100.00	5,014.09	5,000.12	4,694.89	22.98	33.08	-16.04	-1,614.47	-213.01	862.28	822.14	40.14	21.482		
5,200.00	5,111.95	5,101.51	4,786.06	23.48	33.83	-15.99	-1,650.94	-219.03	880.20	839.21	40.99	21.476		
5,300.00	5,209.80	5,196.87	4,877.23	23.98	34.53	-15.94	-1,687.41	-225.05	898.12	856.32	41.80	21.484		
5,400.00	5,307.66	5,295.25	4,968.40	24.48	35.25	-15.89	-1,723.87	-231.07	916.04	873.41	42.64	21.485		
5,500.00	5,405.51	5,406.37	5,059.58	24.98	36.07	-15.84	-1,760.34	-237.09	933.97	890.44	43.53	21.457		
5,600.00	5,503.36	5,507.99	5,150.75	25.48	36.81	-15.80	-1,796.81	-243.10	951.89	907.52	44.38	21.451		
5,700.00	5,601.22	5,609.62	5,241.92	25.99	37.56	-15.76	-1,833.28	-249.12	969.82	924.59	45.22	21.445		
5,800.00	5,699.07	5,688.76	5,333.09	26.49	38.14	-15.72	-1,869.74	-255.14	987.74	941.77	45.97	21.487		
5,900.00	5,796.93	5,787.14	5,424.26	26.99	38.86	-15.68	-1,906.21	-261.16	1,005.67	958.87	46.80	21.488		
6,000.00	5,894.78	5,885.52	5,515.43	27.49	39.59	-15.64	-1,942.68	-267.18	1,023.59	975.96	47.63	21.488		
6,100.00	5,992.64	5,983.90	5,606.60	27.99	40.31	-15.61	-1,979.15	-273.20	1,041.52	993.05	48.47	21.489		
6,200.00	6,090.49	6,082.27	5,697.77	28.50	41.03	-15.57	-2,015.61	-279.21	1,059.45	1,010.15	49.30	21.489		
6,300.00	6,188.35	6,180.65	5,788.94	29.00	41.76	-15.54	-2,052.08	-285.23	1,077.37	1,027.24	50.13	21.490		
6,400.00	6,286.20	6,279.03	5,880.11	29.50	42.48	-15.51	-2,088.55	-291.25	1,095.30	1,044.33	50.97	21.490		
6,500.00	6,384.05	6,377.41	5,971.28	30.00	43.20	-15.47	-2,125.02	-297.27	1,113.23	1,061.43	51.80	21.490		
6,600.00	6,481.91	6,475.79	6,062.45	30.51	43.92	-15.44	-2,161.48	-303.29	1,131.16	1,078.52	52.64	21.490		
6,681.59	6,561.75	6,599.04	6,177.43	30.92	44.80	-15.42	-2,205.27	-310.51	1,144.55	1,090.89	53.66	21.330		
6,700.00	6,579.77	6,629.16	6,205.81	31.01	45.00	-15.44	-2,215.23	-312.16	1,147.13	1,093.24	53.89	21.286		
6,800.00	6,678.09	6,793.79	6,362.67	31.48	46.04	-15.51	-2,264.44	-320.28	1,159.80	1,104.73	55.06	21.063		
6,900.00	6,776.98	6,959.96	6,523.65	31.92	46.94	-15.56	-2,305.02	-326.98	1,170.15	1,114.11	56.04	20.881		
7,000.00	6,876.33	7,127.37	6,687.97	32.32	47.72	-15.60	-2,336.53	-332.18	1,178.12	1,121.31	56.82	20.736		
7,100.00	6,976.01	7,295.73	6,854.81	32.69	48.37	-15.63	-2,358.60	-335.82	1,183.68	1,126.30	57.38	20.628		
7,200.00	7,075.91	7,464.68	7,023.27	33.01	48.87	-15.65	-2,371.00	-337.87	1,186.79	1,129.06	57.73	20.557		
7,276.10	7,152.00	7,593.46	7,152.00	33.22	49.15	-179.86	-2,373.85	-338.34	1,187.50	1,129.67	57.83	20.534		
7,299.99	7,175.89	7,617.34	7,175.89	33.28	49.19	-179.86	-2,373.85	-338.34	1,187.50	1,129.54	57.96	20.487		
7,306.10	7,182.00	7,623.46	7,182.00	33.29	49.20	-179.86	-2,373.85	-338.34	1,187.50	1,129.51	58.00	20.475		
7,306.10	7,182.00	7,623.46	7,182.00	33.29	49.20	-179.86	-2,373.85	-338.34	1,187.50	1,129.51	58.00	20.475		
7,350.00	7,225.86	7,667.53	7,226.03	33.41	49.28	-90.11	-2,373.84	-340.03	1,187.50	1,129.24	58.26	20.383		
7,400.00	7,275.48	7,717.73	7,275.85	33.56	49.38	-90.11	-2,373.82	-346.08	1,187.50	1,128.92	58.58	20.270		
7,450.00	7,324.39	7,767.93	7,324.95	33.72	49.49	-90.11	-2,373.77	-356.45	1,187.50	1,128.57	58.93	20.151		
7,500.00	7,372.22	7,818.12	7,372.94	33.88	49.60	-90.11	-2,373.71	-371.09	1,187.50	1,128.21	59.30	20.026		
7,550.00	7,418.60	7,868.31	7,419.47	34.05	49.72	-90.10	-2,373.63	-389.86	1,187.51	1,127.82	59.69	19.895		
7,600.00	7,463.18	7,918.49	7,464.17	34.23	49.85	-90.10	-2,373.53	-412.63	1,187.51	1,127.40	60.11	19.757		
7,650.00	7,505.62	7,968.66	7,506.70	34.42	49.98	-90.09	-2,373.41	-439.21	1,187.51	1,126.95	60.55	19.610		
7,700.00	7,545.60	8,018.82	7,546.73	34.61	50.12	-90.09	-2,373.28	-469.41	1,187.51	1,126.46	61.04	19.454		
7,750.00	7,582.81	8,068.97	7,583.96	34.81	50.26	-90.08	-2,373.14	-502.98	1,187.51	1,125.93	61.58	19.284		
7,800.00	7,616.97	8,119.11	7,618.11	35.03	50.41	-90.07	-2,372.98	-539.67	1,187.51	1,125.34	62.17	19.100		
7,850.00	7,647.83	8,169.23	7,648.91	35.25	50.56	-90.07	-2,372.80	-579.19	1,187.51	1,124.68	62.83	18.899		
7,900.00	7,675.13	8,219.34	7,676.14	35.50	50.72	-90.06	-2,372.62	-621.24	1,187.51	1,123.94	63.57	18.680		
7,950.00	7,698.69	8,269.43	7,699.58	35.76	50.89	-90.05	-2,372.43	-665.49	1,187.51	1,123.12	64.39	18.442		
8,000.00	7,718.31	8,319.51	7,719.06	36.05	51.07	-90.04	-2,372.23	-711.61	1,187.51	1,122.21	65.30	18.184		
8,050.00	7,733.85	8,369.57	7,734.44	36.38	51.27	-90.03	-2,372.02	-759.23	1,187.51	1,121.21	66.31	17.910		
8,100.00	7,745.19	8,419.62	7,745.61	36.74	51.48	-90.02	-2,371.81	-808.00	1,187.51	1,120.12	67.39	17.620		
8,150.00	7,752.25	8,469.65	7,752.47	37.13	51.70	-90.01	-2,371.60	-857.54	1,187.51	1,118.95	68.56	17.320		
8,200.00	7,754.97	8,519.66	7,754.99	37.57	51.95	-90.00	-2,371.38	-907.47	1,187.52	1,117.72	69.80	17.013		
8,206.17	7,755.00	8,525.83	7,755.00	37.63	51.98	-90.00	-2,371.35	-913.64	1,187.52	1,117.56	69.96	16.975		
8,300.00	7,755.00	8,619.66	7,755.00	38.57	52.49	-90.00	-2,370.94	-1,007.47	1,187.52	1,115.01	72.50	16.379		
8,400.00	7,755.00	8,719.66	7,755.00	39.75	53.13	-90.00	-2,370.51	-1,107.46	1,187.52	1,112.04	75.49	15.732		
8,500.00	7,755.00	8,819.66	7,755.00	41.10	53.87	-90.00	-2,370.08	-1,207.46	1,187.52	1,108.80	78.72	15.085		
8,600.00	7,755.00	8,919.66	7,755.00	42.59	54.71	-90.00	-2,369.64	-1,307.46	1,187.53	1,105.34	82.19	14.449		
8,700.00	7,755.00	9,019.66	7,755.00	44.23	55.67	-90.00	-2,369.21	-1,407.46	1,187.53	1,101.68	85.85	13.833		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	7,755.00	9,119.66	7,755.00	45.98	56.75	-90.00	-2,368.77	-1,507.46	1,187.53	1,097.85	89.68	13.241		
8,900.00	7,755.00	9,219.66	7,755.00	47.83	57.94	-90.00	-2,368.34	-1,607.46	1,187.53	1,093.86	93.67	12.677		
9,000.00	7,755.00	9,319.66	7,755.00	49.78	59.26	-90.00	-2,367.90	-1,707.46	1,187.54	1,089.74	97.80	12.143		
9,100.00	7,755.00	9,419.66	7,755.00	51.80	60.70	-90.00	-2,367.47	-1,807.46	1,187.54	1,085.50	102.04	11.638		
9,200.00	7,755.00	9,519.66	7,755.00	53.88	62.24	-90.00	-2,367.03	-1,907.46	1,187.54	1,081.16	106.38	11.163		
9,300.00	7,754.99	9,619.66	7,755.00	56.03	63.89	-90.00	-2,366.60	-2,007.46	1,187.54	1,076.73	110.82	10.716		
9,400.00	7,754.99	9,719.66	7,755.00	58.22	65.63	-90.00	-2,366.17	-2,107.46	1,187.54	1,072.21	115.33	10.297		
9,500.00	7,754.99	9,819.66	7,755.00	60.46	67.46	-90.00	-2,365.73	-2,207.45	1,187.55	1,067.63	119.92	9.903		
9,600.00	7,754.99	9,919.66	7,755.00	62.74	69.36	-90.00	-2,365.30	-2,307.45	1,187.55	1,062.98	124.57	9.533		
9,700.00	7,754.99	10,019.66	7,755.00	65.05	71.33	-90.00	-2,364.86	-2,407.45	1,187.55	1,058.27	129.28	9.186		
9,800.00	7,754.99	10,119.66	7,755.00	67.39	73.37	-90.00	-2,364.43	-2,507.45	1,187.55	1,053.51	134.04	8.860		
9,900.00	7,754.99	10,219.66	7,755.00	69.76	75.45	-90.00	-2,363.99	-2,607.45	1,187.56	1,048.71	138.85	8.553		
10,000.00	7,754.99	10,319.66	7,755.00	72.15	77.59	-90.00	-2,363.56	-2,707.45	1,187.56	1,043.87	143.69	8.264		
10,100.00	7,754.99	10,419.66	7,755.00	74.56	79.77	-90.00	-2,363.12	-2,807.45	1,187.56	1,038.98	148.58	7.993		
10,200.00	7,754.99	10,519.66	7,755.00	77.00	81.99	-90.00	-2,362.69	-2,907.45	1,187.56	1,034.07	153.50	7.737		
10,300.00	7,754.99	10,619.66	7,755.00	79.45	84.25	-90.00	-2,362.26	-3,007.45	1,187.57	1,029.12	158.44	7.495		
10,400.00	7,754.99	10,719.66	7,755.00	81.92	86.53	-90.00	-2,361.82	-3,107.45	1,187.57	1,024.15	163.42	7.267		
10,500.00	7,754.99	10,819.66	7,755.00	84.40	88.85	-90.00	-2,361.39	-3,207.44	1,187.57	1,019.15	168.42	7.051		
10,600.00	7,754.99	10,919.66	7,755.00	86.89	91.19	-90.00	-2,360.95	-3,307.44	1,187.57	1,014.13	173.44	6.847		
10,700.00	7,754.99	11,019.66	7,755.00	89.40	93.55	-90.00	-2,360.52	-3,407.44	1,187.58	1,009.09	178.49	6.653		
10,800.00	7,754.99	11,119.66	7,755.00	91.92	95.93	-90.00	-2,360.08	-3,507.44	1,187.58	1,004.02	183.55	6.470		
10,900.00	7,754.99	11,219.66	7,754.99	94.44	98.34	-90.00	-2,359.65	-3,607.44	1,187.58	998.94	188.64	6.296		
11,000.00	7,754.99	11,319.66	7,754.99	96.98	100.76	-90.00	-2,359.22	-3,707.44	1,187.58	993.85	193.74	6.130		
11,100.00	7,754.99	11,419.66	7,754.99	99.53	103.19	-90.00	-2,358.78	-3,807.44	1,187.59	988.74	198.85	5.972		
11,200.00	7,754.99	11,519.66	7,754.99	102.08	105.65	-90.00	-2,358.35	-3,907.44	1,187.59	983.61	203.98	5.822		
11,300.00	7,754.99	11,619.66	7,754.99	104.64	108.11	-90.00	-2,357.91	-4,007.44	1,187.59	978.47	209.12	5.679		
11,400.00	7,754.98	11,719.66	7,754.99	107.21	110.59	-90.00	-2,357.48	-4,107.44	1,187.59	973.32	214.27	5.542		
11,500.00	7,754.98	11,819.66	7,754.99	109.78	113.07	-90.00	-2,357.04	-4,207.44	1,187.60	968.16	219.44	5.412		
11,600.00	7,754.98	11,919.66	7,754.99	112.36	115.57	-90.00	-2,356.61	-4,307.43	1,187.60	962.99	224.61	5.287		
11,700.00	7,754.98	12,019.66	7,754.99	114.94	118.08	-90.00	-2,356.17	-4,407.43	1,187.60	957.80	229.80	5.168		
11,800.00	7,754.98	12,119.66	7,754.99	117.53	120.60	-90.00	-2,355.74	-4,507.43	1,187.60	952.61	234.99	5.054		
11,900.00	7,754.98	12,219.66	7,754.99	120.13	123.12	-90.00	-2,355.31	-4,607.43	1,187.61	947.41	240.19	4.944		
12,000.00	7,754.98	12,319.66	7,754.99	122.73	125.66	-90.00	-2,354.87	-4,707.43	1,187.61	942.21	245.40	4.839		
12,100.00	7,754.98	12,419.66	7,754.99	125.33	128.20	-90.00	-2,354.44	-4,807.43	1,187.61	936.99	250.62	4.739		
12,200.00	7,754.98	12,519.66	7,754.99	127.93	130.74	-90.00	-2,354.00	-4,907.43	1,187.61	931.77	255.84	4.642		
12,300.00	7,754.98	12,619.66	7,754.99	130.54	133.30	-90.00	-2,353.57	-5,007.43	1,187.62	926.54	261.07	4.549		
12,400.00	7,754.98	12,719.66	7,754.99	133.16	135.86	-90.00	-2,353.13	-5,107.43	1,187.62	921.31	266.31	4.460		
12,500.00	7,754.98	12,819.66	7,754.99	135.77	138.42	-90.00	-2,352.70	-5,207.43	1,187.62	916.07	271.55	4.373		
12,600.00	7,754.98	12,919.66	7,754.99	138.39	140.99	-90.00	-2,352.26	-5,307.43	1,187.62	910.82	276.80	4.290		
12,700.00	7,754.98	13,019.66	7,754.99	141.02	143.57	-90.00	-2,351.83	-5,407.42	1,187.62	905.57	282.06	4.211		
12,800.00	7,754.98	13,119.66	7,754.99	143.64	146.15	-90.00	-2,351.40	-5,507.42	1,187.63	900.31	287.32	4.134		
12,900.00	7,754.98	13,219.66	7,754.99	146.27	148.73	-90.00	-2,350.96	-5,607.42	1,187.63	895.05	292.58	4.059		
13,000.00	7,754.98	13,319.66	7,754.99	148.90	151.32	-90.00	-2,350.53	-5,707.42	1,187.63	889.79	297.85	3.987		
13,100.00	7,754.98	13,419.66	7,754.99	151.53	153.91	-90.00	-2,350.09	-5,807.42	1,187.63	884.52	303.12	3.918		
13,200.00	7,754.98	13,519.66	7,754.99	154.17	156.51	-90.00	-2,349.66	-5,907.42	1,187.64	879.24	308.39	3.851		
13,300.00	7,754.98	13,619.66	7,754.99	156.80	159.11	-90.00	-2,349.22	-6,007.42	1,187.64	873.97	313.67	3.786		
13,400.00	7,754.98	13,719.66	7,754.99	159.44	161.71	-90.00	-2,348.79	-6,107.42	1,187.64	868.68	318.96	3.724		
13,500.00	7,754.97	13,819.66	7,754.99	162.08	164.31	-90.00	-2,348.35	-6,207.42	1,187.64	863.40	324.24	3.663		
13,600.00	7,754.97	13,919.66	7,754.99	164.72	166.92	-90.00	-2,347.92	-6,307.42	1,187.65	858.11	329.53	3.604		
13,700.00	7,754.97	14,019.66	7,754.99	167.37	169.53	-90.00	-2,347.49	-6,407.41	1,187.65	852.82	334.83	3.547		
13,800.00	7,754.97	14,119.66	7,754.99	170.01	172.15	-90.00	-2,347.05	-6,507.41	1,187.65	847.53	340.12	3.492		
13,900.00	7,754.97	14,219.66	7,754.99	172.66	174.76	-90.00	-2,346.62	-6,607.41	1,187.65	842.23	345.42	3.438		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,754.97	14,319.66	7,754.99	175.31	177.38	-90.00	-2,346.18	-6,707.41	1,187.66	836.93	350.72	3.386		
14,100.00	7,754.97	14,419.66	7,754.99	177.95	180.01	-90.00	-2,345.75	-6,807.41	1,187.66	831.63	356.03	3.336		
14,200.00	7,754.97	14,519.66	7,754.99	180.61	182.63	-90.00	-2,345.31	-6,907.41	1,187.66	826.33	361.33	3.287		
14,300.00	7,754.97	14,619.66	7,754.99	183.26	185.26	-90.00	-2,344.88	-7,007.41	1,187.66	821.02	366.64	3.239		
14,400.00	7,754.97	14,719.66	7,754.99	185.91	187.88	-90.00	-2,344.45	-7,107.41	1,187.67	815.71	371.95	3.193		
14,500.00	7,754.97	14,819.66	7,754.99	188.56	190.51	-90.00	-2,344.01	-7,207.41	1,187.67	810.40	377.26	3.148		
14,600.00	7,754.97	14,919.66	7,754.99	191.22	193.14	-90.00	-2,343.58	-7,307.41	1,187.67	805.09	382.58	3.104		
14,700.00	7,754.97	15,019.66	7,754.99	193.88	195.78	-90.00	-2,343.14	-7,407.41	1,187.67	799.78	387.90	3.062		
14,800.00	7,754.97	15,119.66	7,754.99	196.53	198.41	-90.00	-2,342.71	-7,507.40	1,187.68	794.46	393.22	3.020		
14,900.00	7,754.97	15,219.66	7,754.99	199.19	201.05	-90.00	-2,342.27	-7,607.40	1,187.68	789.14	398.54	2.980		
15,000.00	7,754.97	15,319.66	7,754.99	201.85	203.69	-90.00	-2,341.84	-7,707.40	1,187.68	783.82	403.86	2.941		
15,100.00	7,754.97	15,419.66	7,754.99	204.51	206.33	-90.00	-2,341.40	-7,807.40	1,187.68	778.50	409.18	2.903		
15,200.00	7,754.97	15,519.66	7,754.99	207.17	208.97	-90.00	-2,340.97	-7,907.40	1,187.69	773.18	414.51	2.865		
15,300.00	7,754.97	15,619.66	7,754.99	209.84	211.61	-90.00	-2,340.54	-8,007.40	1,187.69	767.85	419.84	2.829		
15,400.00	7,754.97	15,719.66	7,754.99	212.50	214.26	-90.00	-2,340.10	-8,107.40	1,187.69	762.53	425.16	2.793		
15,500.00	7,754.96	15,819.66	7,754.99	215.16	216.90	-90.00	-2,339.67	-8,207.40	1,187.69	757.20	430.50	2.759		
15,600.00	7,754.96	15,919.66	7,754.99	217.83	219.55	-90.00	-2,339.23	-8,307.40	1,187.69	751.87	435.83	2.725		
15,700.00	7,754.96	16,019.66	7,754.99	220.49	222.19	-90.00	-2,338.80	-8,407.40	1,187.70	746.54	441.16	2.692		
15,800.00	7,754.96	16,119.66	7,754.99	223.16	224.84	-90.00	-2,338.36	-8,507.39	1,187.70	741.21	446.49	2.660		
15,900.00	7,754.96	16,219.66	7,754.99	225.82	227.49	-90.00	-2,337.93	-8,607.39	1,187.70	735.87	451.83	2.629		
16,000.00	7,754.96	16,319.66	7,754.99	228.49	230.14	-90.00	-2,337.49	-8,707.39	1,187.70	730.54	457.17	2.598		
16,100.00	7,754.96	16,419.66	7,754.98	231.16	232.80	-90.00	-2,337.06	-8,807.39	1,187.71	725.20	462.50	2.568		
16,200.00	7,754.96	16,519.66	7,754.98	233.83	235.45	-90.00	-2,336.63	-8,907.39	1,187.71	719.87	467.84	2.539		
16,300.00	7,754.96	16,619.66	7,754.98	236.50	238.10	-90.00	-2,336.19	-9,007.39	1,187.71	714.53	473.18	2.510		
16,400.00	7,754.96	16,719.66	7,754.98	239.16	240.76	-90.00	-2,335.76	-9,107.39	1,187.71	709.19	478.52	2.482		
16,500.00	7,754.96	16,819.66	7,754.98	241.83	243.41	-90.00	-2,335.32	-9,207.39	1,187.72	703.85	483.87	2.455		
16,600.00	7,754.96	16,919.66	7,754.98	244.50	246.07	-90.00	-2,334.89	-9,307.39	1,187.72	698.51	489.21	2.428		
16,700.00	7,754.96	17,019.66	7,754.98	247.18	248.73	-90.00	-2,334.45	-9,407.39	1,187.72	693.17	494.55	2.402		
16,800.00	7,754.96	17,119.66	7,754.98	249.85	251.38	-90.00	-2,334.02	-9,507.39	1,187.72	687.83	499.90	2.376		
16,900.00	7,754.96	17,219.66	7,754.98	252.52	254.04	-90.00	-2,333.59	-9,607.38	1,187.73	682.48	505.24	2.351		
17,000.00	7,754.96	17,319.66	7,754.98	255.19	256.70	-90.00	-2,333.15	-9,707.38	1,187.73	677.14	510.59	2.326		
17,100.00	7,754.96	17,419.66	7,754.98	257.86	259.36	-90.00	-2,332.72	-9,807.38	1,187.73	671.79	515.94	2.302		
17,200.00	7,754.96	17,519.66	7,754.98	260.54	262.02	-90.00	-2,332.28	-9,907.38	1,187.73	666.45	521.29	2.278		
17,300.00	7,754.96	17,619.66	7,754.98	263.21	264.68	-90.00	-2,331.85	-10,007.38	1,187.74	661.10	526.64	2.255		
17,400.00	7,754.96	17,719.66	7,754.98	265.88	267.35	-90.00	-2,331.41	-10,107.38	1,187.74	655.75	531.98	2.233		
17,500.00	7,754.96	17,819.66	7,754.98	268.56	270.01	-90.00	-2,330.98	-10,207.38	1,187.74	650.41	537.34	2.210		
17,600.00	7,754.95	17,919.66	7,754.98	271.23	272.67	-90.00	-2,330.54	-10,307.38	1,187.74	645.06	542.69	2.189		
17,700.00	7,754.95	18,019.66	7,754.98	273.91	275.34	-90.00	-2,330.11	-10,407.38	1,187.75	639.71	548.04	2.167		
17,800.00	7,754.95	18,119.66	7,754.98	276.58	278.00	-90.00	-2,329.68	-10,507.38	1,187.75	634.36	553.39	2.146		
17,890.11	7,755.00	18,210.73	7,755.00	278.99	280.43	-90.00	-2,329.06	-10,598.45	1,187.53	629.32	558.21	2.127 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-73.12	73.12					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-73.12	73.12	72.86	0.27	271.987		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-73.12	73.12	72.14	0.99	74.178		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-73.12	73.12	71.42	1.70	42.945		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-73.12	73.12	70.71	2.42	30.221 CC		
500.00	500.00	499.55	499.53	1.57	1.57	-88.67	1.71	-73.40	73.43	70.29	3.13	23.425 ES		
600.00	600.00	598.86	598.70	1.93	1.93	-84.76	6.81	-74.24	74.56	70.71	3.85	19.369		
700.00	700.00	697.69	697.16	2.29	2.29	-78.60	15.25	-75.62	77.20	72.63	4.57	16.899		
800.00	799.98	795.58	794.33	2.63	2.66	94.43	26.91	-77.53	82.38	77.11	5.27	15.630		
900.00	899.84	891.80	889.39	2.96	3.04	105.48	41.56	-79.93	92.35	86.39	5.96	15.504		
1,000.00	999.45	985.75	981.68	3.30	3.43	116.51	58.89	-82.77	109.33	102.69	6.63	16.484		
1,100.00	1,098.70	1,076.89	1,070.61	3.66	3.84	125.91	78.55	-85.98	134.31	127.02	7.29	18.424		
1,200.00	1,197.47	1,167.06	1,158.01	4.04	4.26	133.35	100.42	-89.56	166.87	158.93	7.94	21.004		
1,294.51	1,290.25	1,252.85	1,241.08	4.42	4.68	138.73	121.56	-93.03	202.22	193.63	8.59	23.541		
1,300.00	1,295.62	1,257.79	1,245.87	4.44	4.71	139.03	122.78	-93.22	204.39	195.75	8.63	23.677		
1,400.00	1,393.48	1,347.89	1,333.11	4.87	5.16	143.57	144.98	-96.86	244.53	235.23	9.31	26.276		
1,500.00	1,491.33	1,437.98	1,420.35	5.31	5.61	146.84	167.18	-100.49	285.63	275.65	9.99	28.603		
1,600.00	1,589.19	1,528.07	1,507.59	5.76	6.08	149.30	189.39	-104.13	327.32	316.65	10.67	30.673		
1,700.00	1,687.04	1,618.17	1,594.83	6.22	6.54	151.21	211.59	-107.76	369.41	358.05	11.36	32.515		
1,800.00	1,784.90	1,708.26	1,682.07	6.68	7.01	152.73	233.79	-111.40	411.76	399.71	12.06	34.156		
1,900.00	1,882.75	1,801.64	1,769.31	7.15	7.50	153.97	256.00	-115.03	454.32	441.55	12.77	35.588		
2,000.00	1,980.61	1,888.45	1,856.55	7.63	7.95	155.00	278.20	-118.67	497.01	483.56	13.45	36.942		
2,100.00	2,078.46	1,978.54	1,943.79	8.11	8.43	155.86	300.40	-122.30	539.82	525.66	14.16	38.131		
2,200.00	2,176.31	2,068.64	2,031.03	8.59	8.91	156.60	322.61	-125.94	582.72	567.85	14.86	39.206		
2,300.00	2,274.17	2,158.73	2,118.27	9.07	9.39	157.24	344.81	-129.57	625.68	610.11	15.57	40.184		
2,400.00	2,372.02	2,248.83	2,205.51	9.56	9.87	157.80	367.02	-133.21	668.70	652.42	16.28	41.075		
2,500.00	2,469.88	2,338.92	2,292.75	10.04	10.35	158.29	389.22	-136.84	711.77	694.78	16.99	41.891		
2,600.00	2,567.73	2,429.02	2,379.98	10.53	10.83	158.72	411.42	-140.48	754.87	737.17	17.70	42.640		
2,700.00	2,665.59	2,519.11	2,467.22	11.02	11.31	159.11	433.63	-144.11	798.00	779.59	18.42	43.330		
2,800.00	2,763.44	2,609.20	2,554.46	11.52	11.79	159.46	455.83	-147.75	841.16	822.03	19.13	43.968		
2,900.00	2,861.29	2,700.70	2,641.70	12.01	12.28	159.77	478.03	-151.38	884.35	864.50	19.85	44.545		
3,000.00	2,959.15	2,789.39	2,728.94	12.50	12.76	160.06	500.24	-155.02	927.55	906.99	20.56	45.106		
3,100.00	3,057.00	2,879.49	2,816.18	13.00	13.24	160.32	522.44	-158.65	970.77	949.49	21.28	45.616		
3,200.00	3,154.86	2,969.58	2,903.42	13.49	13.73	160.56	544.64	-162.29	1,014.01	992.01	22.00	46.092		
3,300.00	3,252.71	3,059.67	2,990.66	13.99	14.21	160.77	566.85	-165.92	1,057.26	1,034.54	22.72	46.537		
3,400.00	3,350.57	3,149.77	3,077.90	14.48	14.70	160.97	589.05	-169.56	1,100.52	1,077.08	23.44	46.954		
3,500.00	3,448.42	3,239.86	3,165.14	14.98	15.18	161.16	611.25	-173.19	1,143.79	1,119.63	24.16	47.345		
3,600.00	3,546.28	3,329.96	3,252.38	15.48	15.67	161.33	633.46	-176.83	1,187.07	1,162.19	24.88	47.713		
3,700.00	3,644.13	3,420.05	3,339.62	15.98	16.16	161.49	655.66	-180.46	1,230.35	1,204.75	25.60	48.059		
3,800.00	3,741.98	3,510.14	3,426.86	16.47	16.64	161.64	677.86	-184.10	1,273.65	1,247.33	26.32	48.386		
3,900.00	3,839.84	3,600.24	3,514.10	16.97	17.13	161.78	700.07	-187.73	1,316.95	1,289.90	27.04	48.695		
4,000.00	3,937.69	3,690.33	3,601.34	17.47	17.62	161.91	722.27	-191.37	1,360.26	1,332.49	27.77	48.987		
4,100.00	4,035.55	3,780.43	3,688.58	17.97	18.10	162.03	744.47	-195.00	1,403.57	1,375.08	28.49	49.263		
4,200.00	4,133.40	3,870.52	3,775.82	18.47	18.59	162.15	766.68	-198.64	1,446.89	1,417.67	29.21	49.526		
4,300.00	4,231.26	3,960.61	3,863.06	18.97	19.08	162.26	788.88	-202.27	1,490.21	1,460.27	29.94	49.775		
4,400.00	4,329.11	4,050.71	3,950.30	19.47	19.56	162.36	811.08	-205.91	1,533.53	1,502.87	30.66	50.012		
4,500.00	4,426.97	4,140.80	4,037.54	19.97	20.05	162.46	833.29	-209.54	1,576.86	1,545.47	31.39	50.237		
4,600.00	4,524.82	4,230.90	4,124.78	20.47	20.54	162.55	855.49	-213.18	1,620.20	1,588.08	32.11	50.452		
4,700.00	4,622.67	4,320.99	4,212.02	20.97	21.03	162.63	877.69	-216.81	1,663.53	1,630.69	32.84	50.657		
4,800.00	4,720.53	4,411.09	4,299.26	21.47	21.51	162.72	899.90	-220.45	1,706.87	1,673.31	33.57	50.852		
4,900.00	4,818.38	4,501.18	4,386.49	21.97	22.00	162.79	922.10	-224.08	1,750.21	1,715.92	34.29	51.039		
5,000.00	4,916.24	4,591.27	4,473.73	22.47	22.49	162.87	944.30	-227.72	1,793.56	1,758.54	35.02	51.218		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-2 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,014.09	4,681.37	4,560.97	22.98	22.98	162.94	966.51	-231.35	1,836.90	1,801.16	35.75	51.389		
5,200.00	5,111.95	4,771.46	4,648.21	23.48	23.46	163.01	988.71	-234.99	1,880.25	1,843.78	36.47	51.552		
5,300.00	5,209.80	4,861.56	4,735.45	23.98	23.95	163.07	1,010.91	-238.62	1,923.60	1,886.40	37.20	51.709		
5,400.00	5,307.66	4,951.65	4,822.69	24.48	24.44	163.13	1,033.12	-242.26	1,966.96	1,929.03	37.93	51.860		
5,500.00	5,405.51	5,041.74	4,909.93	24.98	24.93	163.19	1,055.32	-245.89	2,010.31	1,971.66	38.66	52.004		
5,600.00	5,503.36	5,131.84	4,997.17	25.48	25.42	163.25	1,077.52	-249.53	2,053.67	2,014.28	39.39	52.143		
5,700.00	5,601.22	5,221.93	5,084.41	25.99	25.91	163.30	1,099.73	-253.16	2,097.03	2,056.91	40.11	52.277		
5,800.00	5,699.07	5,312.03	5,171.65	26.49	26.39	163.36	1,121.93	-256.80	2,140.39	2,099.54	40.84	52.405		
5,900.00	5,796.93	5,402.12	5,258.89	26.99	26.88	163.41	1,144.14	-260.43	2,183.75	2,142.17	41.57	52.529		
6,000.00	5,894.78	5,507.79	5,346.13	27.49	27.46	163.46	1,166.34	-264.07	2,227.11	2,184.74	42.37	52.569		
6,100.00	5,992.64	5,582.31	5,433.37	27.99	27.86	163.50	1,188.54	-267.70	2,270.47	2,227.44	43.03	52.762		
6,200.00	6,090.49	5,672.40	5,520.61	28.50	28.35	163.55	1,210.75	-271.34	2,313.84	2,270.07	43.76	52.872		
6,300.00	6,188.35	5,762.50	5,607.85	29.00	28.84	163.59	1,232.95	-274.97	2,357.20	2,312.71	44.49	52.979		
6,400.00	6,286.20	5,852.59	5,695.09	29.50	29.33	163.63	1,255.15	-278.61	2,400.57	2,355.34	45.22	53.081		
6,500.00	6,384.05	5,942.68	5,782.33	30.00	29.81	163.67	1,277.36	-282.24	2,443.94	2,397.98	45.96	53.180		
6,600.00	6,481.91	6,032.78	5,869.57	30.51	30.30	163.71	1,299.56	-285.88	2,487.31	2,440.62	46.69	53.276		
6,681.59	6,561.75	6,106.29	5,940.75	30.92	30.70	163.74	1,317.67	-288.84	2,522.69	2,475.41	47.28	53.352		
6,700.00	6,579.77	6,122.90	5,956.83	31.01	30.79	163.79	1,321.77	-289.51	2,530.62	2,483.20	47.42	53.368		
6,800.00	6,678.09	6,213.97	6,045.01	31.48	31.29	164.07	1,344.21	-293.19	2,571.91	2,523.76	48.15	53.415		
6,900.00	6,776.98	6,306.37	6,134.49	31.92	31.79	164.29	1,366.99	-296.92	2,610.12	2,561.24	48.88	53.400		
7,000.00	6,876.33	6,400.00	6,225.16	32.32	32.29	164.46	1,390.06	-300.69	2,645.21	2,595.60	49.61	53.323		
7,100.00	6,976.01	6,505.25	6,316.90	32.69	32.87	164.60	1,413.41	-304.52	2,677.13	2,626.75	50.37	53.144		
7,200.00	7,075.91	6,590.48	6,409.60	33.01	33.33	164.69	1,437.00	-308.38	2,705.84	2,654.79	51.05	53.001		
7,276.10	7,152.00	6,663.94	6,480.73	33.22	33.73	0.52	1,455.11	-311.34	2,725.52	2,673.94	51.59	52.832		
7,299.99	7,175.89	6,687.06	6,503.12	33.28	33.85	0.50	1,460.81	-312.27	2,731.41	2,679.65	51.75	52.778		
7,306.10	7,182.00	6,692.98	6,508.86	33.29	33.88	0.50	1,462.27	-312.51	2,732.91	2,681.12	51.79	52.764		
7,350.00	7,225.86	6,735.52	6,550.04	33.41	34.12	89.13	1,472.75	-314.23	2,743.72	2,691.62	52.11	52.657		
7,400.00	7,275.48	6,778.22	6,594.58	33.56	36.50	89.40	1,560.55	-328.60	2,753.53	2,698.20	55.34	49.759		
7,450.00	7,324.39	6,818.37	6,634.57	33.72	37.17	90.23	1,567.55	-329.81	2,753.92	2,697.60	56.32	48.896		
7,500.00	7,372.22	6,868.53	6,674.62	33.88	37.29	90.47	1,567.56	-332.76	2,754.00	2,697.32	56.68	48.589		
7,550.00	7,418.60	6,919.77	6,725.30	34.05	37.43	90.71	1,567.60	-340.27	2,754.12	2,697.06	57.06	48.268		
7,600.00	7,463.18	6,972.18	6,776.21	34.23	37.58	90.94	1,567.65	-352.60	2,754.29	2,696.82	57.47	47.928		
7,650.00	7,505.62	7,025.79	6,826.91	34.42	37.73	91.17	1,567.72	-369.98	2,754.50	2,696.59	57.91	47.567		
7,700.00	7,545.60	7,070.65	6,876.88	34.61	37.90	91.39	1,567.82	-392.58	2,754.75	2,696.36	58.39	47.180		
7,750.00	7,582.81	7,116.81	6,926.54	34.81	38.07	91.61	1,567.94	-420.55	2,755.03	2,696.11	58.92	46.762		
7,800.00	7,616.97	7,162.27	6,976.26	35.03	38.26	91.81	1,568.09	-453.96	2,755.32	2,695.82	59.50	46.307		
7,850.00	7,647.83	7,213.02	7,026.32	35.25	38.46	92.01	1,568.25	-492.78	2,755.63	2,695.47	60.16	45.807		
7,900.00	7,675.13	7,263.13	7,076.99	35.50	38.68	92.18	1,568.44	-536.88	2,755.94	2,695.03	60.90	45.250		
7,950.00	7,698.69	7,313.25	7,127.49	35.76	38.92	92.34	1,568.66	-585.99	2,756.23	2,694.48	61.75	44.638		
8,000.00	7,718.31	7,363.57	7,178.05	36.05	39.19	92.48	1,568.89	-639.70	2,756.50	2,693.80	62.70	43.965		
8,050.00	7,733.85	7,414.87	7,228.95	36.38	39.50	92.60	1,569.14	-697.42	2,756.73	2,692.97	63.76	43.234		
8,100.00	7,745.19	7,466.97	7,279.53	36.74	39.86	92.69	1,569.40	-758.42	2,756.92	2,691.96	64.95	42.444		
8,150.00	7,752.25	7,518.69	7,330.23	37.13	40.27	92.75	1,569.67	-821.84	2,757.05	2,690.79	66.26	41.613		
8,200.00	7,754.97	7,570.80	7,382.77	37.57	40.74	92.78	1,569.95	-886.68	2,757.12	2,689.47	67.65	40.756		
8,206.17	7,755.00	7,575.85	7,387.94	37.63	40.81	92.78	1,569.99	-894.73	2,757.12	2,689.30	67.83	40.650		
8,300.00	7,755.00	7,580.45	7,393.00	38.57	41.66	92.79	1,570.40	-990.43	2,757.12	2,686.67	70.45	39.138		
8,400.00	7,755.00	7,602.45	7,415.00	39.75	42.68	92.79	1,570.83	-1,090.43	2,757.12	2,683.68	73.44	37.545		
8,500.00	7,755.00	7,624.45	7,437.00	41.10	43.84	92.79	1,571.26	-1,190.42	2,757.11	2,680.42	76.69	35.953		
8,600.00	7,755.00	7,646.46	7,459.00	42.59	45.16	92.79	1,571.69	-1,290.42	2,757.10	2,676.94	80.16	34.393		
8,700.00	7,755.00	7,668.46	7,481.00	44.23	46.62	92.79	1,572.13	-1,390.41	2,757.10	2,673.26	83.84	32.884		
8,800.00	7,755.00	7,690.46	7,503.00	45.98	48.21	92.79	1,572.56	-1,490.41	2,757.09	2,669.40	87.70	31.438		
8,900.00	7,755.00	7,712.47	7,525.00	47.83	49.91	92.79	1,572.99	-1,590.40	2,757.09	2,665.38	91.71	30.064		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T4S-R65W - JAMASO 4-65 5-6-2 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:      0.00 usft	
Survey Program:      0-MWD OWSG													Offset Well Error:      0.00 usft	
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth Depth (usft)	Vertical Depth (usft)	Measured Depth Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.00	7,755.00	9,202.47	7,888.99	49.78	51.71	92.79	1,573.42	-1,690.40	2,757.08	2,661.24	95.85	28.765		
9,100.00	7,755.00	9,302.47	7,888.99	51.80	53.60	92.79	1,573.85	-1,790.40	2,757.08	2,656.97	100.11	27.541		
9,200.00	7,755.00	9,402.48	7,888.99	53.88	55.56	92.79	1,574.29	-1,890.39	2,757.08	2,652.60	104.47	26.391		
9,300.00	7,754.99	9,502.48	7,888.99	56.03	57.59	92.79	1,574.72	-1,990.39	2,757.07	2,648.15	108.93	25.311		
9,400.00	7,754.99	9,602.48	7,888.99	58.22	59.69	92.79	1,575.15	-2,090.38	2,757.07	2,643.61	113.46	24.300		
9,500.00	7,754.99	9,702.49	7,888.99	60.46	61.83	92.79	1,575.58	-2,190.38	2,757.06	2,639.00	118.06	23.352		
9,600.00	7,754.99	9,802.49	7,888.98	62.74	64.02	92.79	1,576.02	-2,290.37	2,757.06	2,634.33	122.73	22.464		
9,700.00	7,754.99	9,902.49	7,888.98	65.05	66.25	92.79	1,576.45	-2,390.37	2,757.05	2,629.60	127.45	21.632		
9,800.00	7,754.99	10,002.50	7,888.98	67.39	68.52	92.79	1,576.88	-2,490.37	2,757.05	2,624.82	132.23	20.851		
9,900.00	7,754.99	10,102.50	7,888.98	69.76	70.82	92.79	1,577.32	-2,590.36	2,757.05	2,620.00	137.04	20.118		
10,000.00	7,754.99	10,202.50	7,888.98	72.15	73.14	92.79	1,577.75	-2,690.36	2,757.04	2,615.14	141.90	19.429		
10,100.00	7,754.99	10,302.51	7,888.98	74.56	75.50	92.79	1,578.18	-2,790.35	2,757.04	2,610.24	146.80	18.781		
10,200.00	7,754.99	10,402.51	7,888.98	77.00	77.87	92.79	1,578.62	-2,890.35	2,757.04	2,605.31	151.72	18.172		
10,300.00	7,754.99	10,502.51	7,888.98	79.45	80.27	92.79	1,579.05	-2,990.34	2,757.03	2,600.35	156.68	17.597		
10,400.00	7,754.99	10,602.52	7,888.98	81.92	82.69	92.79	1,579.48	-3,090.34	2,757.03	2,595.37	161.66	17.054		
10,500.00	7,754.99	10,702.52	7,888.98	84.40	85.13	92.79	1,579.92	-3,190.34	2,757.03	2,590.36	166.67	16.542		
10,600.00	7,754.99	10,802.52	7,888.98	86.89	87.58	92.79	1,580.35	-3,290.33	2,757.02	2,585.32	171.70	16.057		
10,700.00	7,754.99	10,902.53	7,888.98	89.40	90.04	92.79	1,580.79	-3,390.33	2,757.02	2,580.27	176.75	15.598		
10,800.00	7,754.99	11,002.53	7,888.98	91.92	92.52	92.79	1,581.22	-3,490.32	2,757.02	2,575.20	181.82	15.163		
10,900.00	7,754.99	11,102.53	7,888.97	94.44	95.01	92.79	1,581.65	-3,590.32	2,757.02	2,570.11	186.91	14.751		
11,000.00	7,754.99	11,202.54	7,888.97	96.98	97.51	92.79	1,582.09	-3,690.31	2,757.01	2,565.01	192.01	14.359		
11,100.00	7,754.99	11,302.54	7,888.97	99.53	100.02	92.79	1,582.52	-3,790.31	2,757.01	2,559.89	197.12	13.986		
11,200.00	7,754.99	11,402.54	7,888.97	102.08	102.54	92.79	1,582.96	-3,890.31	2,757.01	2,554.76	202.25	13.631		
11,300.00	7,754.99	11,502.55	7,888.97	104.64	105.07	92.79	1,583.39	-3,990.30	2,757.01	2,549.61	207.40	13.293		
11,400.00	7,754.98	11,602.55	7,888.97	107.21	107.61	92.79	1,583.83	-4,090.30	2,757.01	2,544.45	212.55	12.971		
11,500.00	7,754.98	11,702.55	7,888.97	109.78	110.15	92.79	1,584.26	-4,190.29	2,757.00	2,539.29	217.72	12.663		
11,600.00	7,754.98	11,802.56	7,888.97	112.36	112.71	92.79	1,584.70	-4,290.29	2,757.00	2,534.11	222.89	12.369		
11,700.00	7,754.98	11,902.56	7,888.97	114.94	115.26	92.79	1,585.13	-4,390.28	2,757.00	2,528.93	228.08	12.088		
11,800.00	7,754.98	12,002.56	7,888.97	117.53	117.83	92.79	1,585.57	-4,490.28	2,757.00	2,523.73	233.27	11.819		
11,900.00	7,754.98	12,102.57	7,888.97	120.13	120.40	92.79	1,586.00	-4,590.28	2,757.00	2,518.53	238.47	11.561		
12,000.00	7,754.98	12,202.57	7,888.97	122.73	122.97	92.79	1,586.44	-4,690.27	2,757.00	2,513.32	243.68	11.314		
12,100.00	7,754.98	12,302.57	7,888.97	125.33	125.55	92.79	1,586.87	-4,790.27	2,757.00	2,508.10	248.90	11.077		
12,200.00	7,754.98	12,402.58	7,888.97	127.93	128.14	92.79	1,587.31	-4,890.26	2,757.00	2,502.88	254.12	10.849		
12,300.00	7,754.98	12,502.58	7,888.97	130.54	130.73	92.79	1,587.75	-4,990.26	2,756.99	2,497.65	259.35	10.631		
12,400.00	7,754.98	12,602.58	7,888.97	133.16	133.32	92.79	1,588.18	-5,090.25	2,756.99	2,492.41	264.58	10.420		
12,500.00	7,754.98	12,702.59	7,888.97	135.77	135.92	92.79	1,588.62	-5,190.25	2,756.99	2,487.17	269.82	10.218		
12,600.00	7,754.98	12,802.59	7,888.97	138.39	138.52	92.79	1,589.06	-5,290.25	2,756.99	2,481.92	275.07	10.023		
12,700.00	7,754.98	12,902.59	7,888.97	141.02	141.13	92.79	1,589.49	-5,390.24	2,756.99	2,476.67	280.32	9.835		
12,800.00	7,754.98	13,002.60	7,888.97	143.64	143.73	92.79	1,589.93	-5,490.24	2,756.99	2,471.42	285.57	9.654		
12,900.00	7,754.98	13,102.60	7,888.97	146.27	146.34	92.79	1,590.37	-5,590.23	2,756.99	2,466.16	290.83	9.480		
12,912.28	7,754.98	13,109.68	7,888.97	146.59	146.53	92.79	1,590.42	-5,602.51	2,756.99	2,465.65	291.34	9.463		
13,000.00	7,754.98	13,202.60	7,888.97	148.90	148.96	92.79	1,590.80	-5,690.23	2,756.99	2,460.89	296.10	9.311		
13,100.00	7,754.98	13,302.61	7,888.97	151.53	151.57	92.79	1,591.24	-5,790.23	2,756.99	2,455.63	301.37	9.148		
13,200.00	7,754.98	13,402.61	7,888.97	154.17	154.19	92.79	1,591.68	-5,890.22	2,756.99	2,450.35	306.64	8.991		
13,300.00	7,754.98	13,502.61	7,888.97	156.80	156.81	92.79	1,592.11	-5,990.22	2,756.99	2,445.08	311.91	8.839		
13,400.00	7,754.98	13,602.62	7,888.97	159.44	159.44	92.79	1,592.55	-6,090.21	2,756.99	2,439.80	317.19	8.692		
13,500.00	7,754.97	13,702.62	7,888.97	162.08	162.06	92.79	1,592.99	-6,190.21	2,756.99	2,434.52	322.47	8.550		
13,600.00	7,754.97	13,802.62	7,888.97	164.72	164.69	92.79	1,593.43	-6,290.20	2,757.00	2,429.24	327.76	8.412		
13,700.00	7,754.97	13,902.63	7,888.97	167.37	167.32	92.79	1,593.86	-6,390.20	2,757.00	2,423.95	333.05	8.278		
13,800.00	7,754.97	14,002.63	7,888.97	170.01	169.95	92.79	1,594.30	-6,490.20	2,757.00	2,418.66	338.34	8.149		
13,900.00	7,754.97	14,102.63	7,888.97	172.66	172.58	92.79	1,594.74	-6,590.19	2,757.00	2,413.37	343.63	8.023		
14,000.00	7,754.97	14,202.64	7,888.97	175.31	175.22	92.79	1,595.18	-6,690.19	2,757.00	2,408.07	348.93	7.901		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,754.97	14,302.64	7,888.97	177.95	177.86	92.79	1,595.61	-6,790.18	2,757.00	2,402.77	354.23	7.783		
14,200.00	7,754.97	14,402.64	7,888.97	180.61	180.50	92.79	1,596.05	-6,890.18	2,757.00	2,397.48	359.53	7.668		
14,300.00	7,754.97	14,502.65	7,888.97	183.26	183.14	92.79	1,596.49	-6,990.17	2,757.00	2,392.17	364.83	7.557		
14,400.00	7,754.97	14,602.65	7,888.97	185.91	185.78	92.79	1,596.93	-7,090.17	2,757.01	2,386.87	370.13	7.449		
14,500.00	7,754.97	14,702.65	7,888.97	188.56	188.42	92.79	1,597.37	-7,190.17	2,757.01	2,381.57	375.44	7.343		
14,600.00	7,754.97	14,802.66	7,888.97	191.22	191.06	92.79	1,597.81	-7,290.16	2,757.01	2,376.26	380.75	7.241		
14,700.00	7,754.97	14,902.66	7,888.97	193.88	193.71	92.79	1,598.25	-7,390.16	2,757.01	2,370.95	386.06	7.141		
14,800.00	7,754.97	15,002.66	7,888.97	196.53	196.36	92.79	1,598.69	-7,490.15	2,757.01	2,365.64	391.37	7.044		
14,900.00	7,754.97	15,102.67	7,888.97	199.19	199.00	92.79	1,599.12	-7,590.15	2,757.02	2,360.33	396.69	6.950		
15,000.00	7,754.97	15,202.67	7,888.97	201.85	201.65	92.79	1,599.56	-7,690.14	2,757.02	2,355.01	402.01	6.858		
15,100.00	7,754.97	15,302.67	7,888.97	204.51	204.30	92.79	1,600.00	-7,790.14	2,757.02	2,349.70	407.32	6.769		
15,200.00	7,754.97	15,402.68	7,888.97	207.17	206.96	92.79	1,600.44	-7,890.14	2,757.02	2,344.38	412.64	6.681		
15,300.00	7,754.97	15,502.68	7,888.98	209.84	209.61	92.79	1,600.88	-7,990.13	2,757.03	2,339.06	417.96	6.596		
15,400.00	7,754.97	15,602.68	7,888.98	212.50	212.26	92.79	1,601.32	-8,090.13	2,757.03	2,333.74	423.29	6.513		
15,500.00	7,754.96	15,702.69	7,888.98	215.16	214.91	92.79	1,601.76	-8,190.12	2,757.03	2,328.42	428.61	6.433		
15,600.00	7,754.96	15,802.69	7,888.98	217.83	217.57	92.79	1,602.20	-8,290.12	2,757.04	2,323.10	433.93	6.354		
15,700.00	7,754.96	15,902.69	7,888.98	220.49	220.23	92.79	1,602.64	-8,390.11	2,757.04	2,317.78	439.26	6.277		
15,800.00	7,754.96	16,002.70	7,888.98	223.16	222.88	92.79	1,603.08	-8,490.11	2,757.04	2,312.46	444.59	6.201		
15,900.00	7,754.96	16,102.70	7,888.98	225.82	225.54	92.79	1,603.52	-8,590.11	2,757.05	2,307.13	449.92	6.128		
16,000.00	7,754.96	16,202.70	7,888.98	228.49	228.20	92.79	1,603.96	-8,690.10	2,757.05	2,301.80	455.25	6.056		
16,100.00	7,754.96	16,302.71	7,888.98	231.16	230.86	92.79	1,604.40	-8,790.10	2,757.05	2,296.48	460.58	5.986		
16,200.00	7,754.96	16,402.71	7,888.98	233.83	233.52	92.79	1,604.84	-8,890.09	2,757.06	2,291.15	465.91	5.918		
16,300.00	7,754.96	16,502.71	7,888.98	236.50	236.18	92.79	1,605.28	-8,990.09	2,757.06	2,285.82	471.24	5.851		
16,400.00	7,754.96	16,602.72	7,888.98	239.16	238.84	92.79	1,605.73	-9,090.08	2,757.07	2,280.49	476.57	5.785		
16,500.00	7,754.96	16,702.72	7,888.98	241.83	241.50	92.79	1,606.17	-9,190.08	2,757.07	2,275.16	481.91	5.721		
16,600.00	7,754.96	16,802.72	7,888.99	244.50	244.16	92.79	1,606.61	-9,290.08	2,757.07	2,269.83	487.24	5.658		
16,700.00	7,754.96	16,902.73	7,888.99	247.18	246.82	92.79	1,607.05	-9,390.07	2,757.08	2,264.50	492.58	5.597		
16,800.00	7,754.96	17,002.73	7,888.99	249.85	249.49	92.79	1,607.49	-9,490.07	2,757.08	2,259.16	497.92	5.537		
16,900.00	7,754.96	17,102.73	7,888.99	252.52	252.15	92.79	1,607.93	-9,590.06	2,757.09	2,253.83	503.26	5.478		
17,000.00	7,754.96	17,202.74	7,888.99	255.19	254.82	92.79	1,608.37	-9,690.06	2,757.09	2,248.50	508.60	5.421		
17,100.00	7,754.96	17,302.74	7,888.99	257.86	257.48	92.79	1,608.81	-9,790.05	2,757.10	2,243.16	513.94	5.365		
17,200.00	7,754.96	17,402.74	7,888.99	260.54	260.15	92.79	1,609.26	-9,890.05	2,757.10	2,237.83	519.28	5.310		
17,300.00	7,754.96	17,502.75	7,888.99	263.21	262.81	92.79	1,609.70	-9,990.05	2,757.11	2,232.49	524.62	5.255		
17,400.00	7,754.96	17,602.75	7,888.99	265.88	265.48	92.79	1,610.14	-10,090.04	2,757.11	2,227.15	529.96	5.202		
17,500.00	7,754.96	17,702.75	7,889.00	268.56	268.15	92.79	1,610.58	-10,190.04	2,757.12	2,221.82	535.30	5.151		
17,600.00	7,754.95	17,802.76	7,889.00	271.23	270.81	92.79	1,611.02	-10,290.03	2,757.12	2,216.48	540.65	5.100		
17,700.00	7,754.95	17,902.76	7,889.00	273.91	273.48	92.79	1,611.47	-10,390.03	2,757.13	2,211.14	545.99	5.050		
17,800.00	7,754.95	18,002.76	7,889.00	276.58	276.15	92.79	1,611.91	-10,490.02	2,757.14	2,205.80	551.33	5.001		
17,890.11	7,755.00	18,087.35	7,889.00	278.99	278.41	92.79	1,612.31	-10,580.13	2,757.14	2,201.13	556.00	4.959 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-90.00	90.00					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-90.00	90.00	89.73	0.27	334.753		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-90.00	90.00	89.01	0.99	91.296		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-90.00	90.00	88.30	1.70	52.856		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-90.00	90.00	87.58	2.42	37.195		
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-90.00	90.00	86.86	3.14	28.693		
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-90.00	90.00	86.15	3.85	23.355 CC		
700.00	700.00	699.33	699.31	2.29	2.28	-88.93	1.69	-90.35	90.36	85.80	4.57	19.785 ES		
800.00	799.98	798.30	798.14	2.63	2.64	79.46	6.72	-91.38	91.31	86.05	5.26	17.351		
900.00	899.84	896.26	895.73	2.96	3.00	87.43	14.99	-93.07	93.81	87.87	5.95	15.778		
1,000.00	999.45	992.56	991.34	3.30	3.35	98.12	26.31	-95.39	100.42	93.78	6.63	15.134		
1,100.00	1,098.70	1,086.62	1,084.29	3.66	3.72	109.61	40.39	-98.27	113.80	106.48	7.32	15.543		
1,200.00	1,197.47	1,178.45	1,174.54	4.04	4.09	120.07	56.98	-101.67	135.53	127.54	8.00	16.950		
1,294.51	1,290.25	1,266.32	1,260.71	4.42	4.46	128.25	73.83	-105.12	162.39	153.74	8.65	18.768		
1,300.00	1,295.62	1,271.40	1,265.68	4.44	4.48	128.69	74.81	-105.32	164.10	155.40	8.69	18.876		
1,400.00	1,393.48	1,363.78	1,356.27	4.87	4.88	135.40	92.52	-108.95	196.52	187.14	9.38	20.947		
1,500.00	1,491.33	1,456.16	1,446.87	5.31	5.29	140.24	110.24	-112.58	230.74	220.67	10.07	22.911		
1,600.00	1,589.19	1,548.54	1,537.46	5.76	5.70	143.84	127.95	-116.21	266.08	255.31	10.76	24.721		
1,700.00	1,687.04	1,640.92	1,628.05	6.22	6.11	146.60	145.67	-119.84	302.13	290.67	11.46	26.367		
1,800.00	1,784.90	1,733.30	1,718.65	6.68	6.53	148.78	163.38	-123.47	338.68	326.52	12.16	27.859		
1,900.00	1,882.75	1,825.68	1,809.24	7.15	6.95	150.54	181.09	-127.10	375.57	362.71	12.86	29.209		
2,000.00	1,980.61	1,918.06	1,899.83	7.63	7.38	151.99	198.81	-130.73	412.71	399.15	13.56	30.432		
2,100.00	2,078.46	2,010.44	1,990.43	8.11	7.81	153.20	216.52	-134.35	450.05	435.78	14.27	31.542		
2,200.00	2,176.31	2,102.81	2,081.02	8.59	8.23	154.22	234.24	-137.98	487.54	472.56	14.98	32.553		
2,300.00	2,274.17	2,204.81	2,171.61	9.07	8.71	155.10	251.95	-141.61	525.14	509.42	15.72	33.398		
2,400.00	2,372.02	2,287.57	2,262.20	9.56	9.09	155.86	269.67	-145.24	562.83	546.43	16.40	34.321		
2,500.00	2,469.88	2,379.95	2,352.80	10.04	9.53	156.53	287.38	-148.87	600.60	583.49	17.11	35.098		
2,600.00	2,567.73	2,472.33	2,443.39	10.53	9.96	157.12	305.09	-152.50	638.43	620.60	17.83	35.813		
2,700.00	2,665.59	2,564.71	2,533.98	11.02	10.39	157.64	322.81	-156.13	676.31	657.77	18.54	36.473		
2,800.00	2,763.44	2,657.09	2,624.58	11.52	10.83	158.11	340.52	-159.76	714.24	694.98	19.26	37.085		
2,900.00	2,861.29	2,749.47	2,715.17	12.01	11.26	158.53	358.24	-163.38	752.20	732.22	19.98	37.652		
3,000.00	2,959.15	2,841.85	2,805.76	12.50	11.70	158.91	375.95	-167.01	790.19	769.50	20.70	38.180		
3,100.00	3,057.00	2,934.23	2,896.36	13.00	12.14	159.25	393.67	-170.64	828.22	806.80	21.42	38.673		
3,200.00	3,154.86	3,026.61	2,986.95	13.49	12.57	159.57	411.38	-174.27	866.26	844.12	22.14	39.133		
3,300.00	3,252.71	3,118.99	3,077.54	13.99	13.01	159.86	429.10	-177.90	904.32	881.47	22.86	39.564		
3,400.00	3,350.57	3,211.37	3,168.13	14.48	13.45	160.12	446.81	-181.53	942.41	918.83	23.58	39.968		
3,500.00	3,448.42	3,303.75	3,258.73	14.98	13.89	160.37	464.52	-185.16	980.51	956.20	24.30	40.348		
3,600.00	3,546.28	3,396.13	3,349.32	15.48	14.32	160.59	482.24	-188.79	1,018.62	993.59	25.02	40.705		
3,700.00	3,644.13	3,488.51	3,439.91	15.98	14.76	160.80	499.95	-192.41	1,056.74	1,031.00	25.75	41.043		
3,800.00	3,741.98	3,580.89	3,530.51	16.47	15.20	161.00	517.67	-196.04	1,094.88	1,068.41	26.47	41.361		
3,900.00	3,839.84	3,673.27	3,621.10	16.97	15.64	161.18	535.38	-199.67	1,133.03	1,105.83	27.20	41.662		
4,000.00	3,937.69	3,765.65	3,711.69	17.47	16.08	161.35	553.10	-203.30	1,171.18	1,143.26	27.92	41.948		
4,100.00	4,035.55	3,858.03	3,802.29	17.97	16.52	161.51	570.81	-206.93	1,209.35	1,180.70	28.65	42.218		
4,200.00	4,133.40	3,950.41	3,892.88	18.47	16.96	161.66	588.53	-210.56	1,247.52	1,218.15	29.37	42.475		
4,300.00	4,231.26	4,042.79	3,983.47	18.97	17.40	161.80	606.24	-214.19	1,285.70	1,255.60	30.10	42.719		
4,400.00	4,329.11	4,135.17	4,074.06	19.47	17.84	161.94	623.95	-217.82	1,323.88	1,293.06	30.82	42.952		
4,500.00	4,426.97	4,227.55	4,164.66	19.97	18.28	162.06	641.67	-221.44	1,362.07	1,330.53	31.55	43.173		
4,600.00	4,524.82	4,319.93	4,255.25	20.47	18.72	162.18	659.38	-225.07	1,400.27	1,367.99	32.28	43.384		
4,700.00	4,622.67	4,412.31	4,345.84	20.97	19.16	162.29	677.10	-228.70	1,438.47	1,405.47	33.00	43.586		
4,800.00	4,720.53	4,504.69	4,436.44	21.47	19.60	162.40	694.81	-232.33	1,476.68	1,442.95	33.73	43.778		
4,900.00	4,818.38	4,597.07	4,527.03	21.97	20.04	162.50	712.53	-235.96	1,514.89	1,480.43	34.46	43.962		
5,000.00	4,916.24	4,689.45	4,617.62	22.47	20.48	162.60	730.24	-239.59	1,553.10	1,517.91	35.19	44.139		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.00	5,014.09	4,781.83	4,708.21	22.98	20.92	162.69	747.96	-243.22	1,591.32	1,555.40	35.92	44.308		
5,200.00	5,111.95	4,874.21	4,798.81	23.48	21.36	162.78	765.67	-246.85	1,629.54	1,592.89	36.64	44.470		
5,300.00	5,209.80	4,966.59	4,889.40	23.98	21.80	162.86	783.38	-250.48	1,667.76	1,630.39	37.37	44.625		
5,400.00	5,307.66	5,058.97	4,979.99	24.48	22.24	162.94	801.10	-254.10	1,705.99	1,667.89	38.10	44.774		
5,500.00	5,405.51	5,151.35	5,070.59	24.98	22.68	163.02	818.81	-257.73	1,744.22	1,705.39	38.83	44.918		
5,600.00	5,503.36	5,243.73	5,161.18	25.48	23.12	163.09	836.53	-261.36	1,782.45	1,742.89	39.56	45.055		
5,700.00	5,601.22	5,336.11	5,251.77	25.99	23.57	163.16	854.24	-264.99	1,820.68	1,780.39	40.29	45.188		
5,800.00	5,699.07	5,428.49	5,342.37	26.49	24.01	163.22	871.96	-268.62	1,858.92	1,817.90	41.02	45.316		
5,900.00	5,796.93	5,520.87	5,432.96	26.99	24.45	163.29	889.67	-272.25	1,897.16	1,855.41	41.75	45.439		
6,000.00	5,894.78	5,613.25	5,523.55	27.49	24.89	163.35	907.39	-275.88	1,935.40	1,892.91	42.48	45.557		
6,100.00	5,992.64	5,705.63	5,614.14	27.99	25.33	163.41	925.10	-279.51	1,973.64	1,930.43	43.21	45.672		
6,200.00	6,090.49	5,801.99	5,704.74	28.50	25.79	163.47	942.81	-283.13	2,011.88	1,967.92	43.96	45.766		
6,300.00	6,188.35	5,909.61	5,795.33	29.00	26.31	163.52	960.53	-286.76	2,050.13	2,005.38	44.75	45.812		
6,400.00	6,286.20	5,982.77	5,885.92	29.50	26.66	163.57	978.24	-290.39	2,088.38	2,042.97	45.41	45.991		
6,500.00	6,384.05	6,075.15	5,976.52	30.00	27.10	163.63	995.96	-294.02	2,126.62	2,080.48	46.14	46.091		
6,600.00	6,481.91	6,167.53	6,067.11	30.51	27.54	163.67	1,013.67	-297.65	2,164.87	2,118.00	46.87	46.187		
6,681.59	6,561.75	6,242.91	6,141.02	30.92	27.90	163.71	1,028.13	-300.61	2,196.08	2,148.61	47.47	46.263		
6,700.00	6,579.77	6,259.94	6,157.72	31.01	27.98	163.76	1,031.39	-301.28	2,203.07	2,155.47	47.60	46.279		
6,800.00	6,678.09	6,353.17	6,249.16	31.48	28.43	164.01	1,049.27	-304.94	2,239.19	2,190.86	48.34	46.326		
6,900.00	6,776.98	6,447.57	6,341.73	31.92	28.88	164.20	1,067.37	-308.65	2,272.17	2,223.10	49.06	46.311		
7,000.00	6,876.33	6,543.03	6,435.34	32.32	29.33	164.34	1,085.68	-312.40	2,301.95	2,252.16	49.79	46.234		
7,100.00	6,976.01	6,639.41	6,529.86	32.69	29.79	164.44	1,104.16	-316.19	2,328.51	2,278.00	50.51	46.100		
7,200.00	7,075.91	6,738.13	6,629.81	33.01	30.28	164.41	1,122.71	-320.00	2,355.78	2,298.59	51.29	45.945		
7,276.10	7,152.00	7,266.41	7,152.00	33.22	32.23	0.14	1,170.45	-329.77	2,356.81	2,302.62	54.19	43.494		
7,299.99	7,175.89	7,290.29	7,175.89	33.28	32.29	0.14	1,170.45	-329.77	2,356.81	2,302.47	54.34	43.373		
7,306.10	7,182.00	7,296.41	7,182.00	33.29	32.31	0.14	1,170.45	-329.77	2,356.81	2,302.43	54.38	43.343		
7,307.91	7,183.81	7,298.22	7,183.81	33.30	32.31	89.89	1,170.45	-329.77	2,356.81	2,302.42	54.39	43.333		
7,350.00	7,225.86	7,339.95	7,225.86	33.41	32.43	89.89	1,170.46	-331.42	2,356.81	2,302.15	54.66	43.117		
7,400.00	7,275.48	7,389.55	7,274.74	33.56	32.58	89.89	1,170.48	-337.32	2,356.81	2,301.80	55.01	42.845		
7,450.00	7,324.39	7,439.16	7,323.28	33.72	32.73	89.89	1,170.53	-347.46	2,356.81	2,301.43	55.38	42.559		
7,500.00	7,372.22	7,488.78	7,370.78	33.88	32.89	89.89	1,170.59	-361.75	2,356.81	2,301.04	55.77	42.261		
7,550.00	7,418.60	7,538.40	7,416.87	34.05	33.05	89.90	1,170.67	-380.11	2,356.81	2,300.63	56.18	41.950		
7,600.00	7,463.18	7,588.04	7,461.21	34.23	33.22	89.90	1,170.77	-402.39	2,356.81	2,300.19	56.62	41.624		
7,650.00	7,505.62	7,637.70	7,503.47	34.42	33.39	89.91	1,170.88	-428.44	2,356.81	2,299.71	57.09	41.279		
7,700.00	7,545.60	7,687.38	7,543.33	34.61	33.58	89.91	1,171.01	-458.05	2,356.81	2,299.20	57.61	40.912		
7,750.00	7,582.81	7,737.08	7,580.50	34.81	33.77	89.92	1,171.16	-491.03	2,356.81	2,298.64	58.17	40.518		
7,800.00	7,616.97	7,786.80	7,614.68	35.03	33.97	89.93	1,171.32	-527.11	2,356.81	2,298.03	58.78	40.093		
7,850.00	7,647.83	7,836.55	7,645.63	35.25	34.19	89.93	1,171.49	-566.05	2,356.81	2,297.34	59.47	39.631		
7,900.00	7,675.13	7,886.33	7,673.09	35.50	34.43	89.94	1,171.67	-607.54	2,356.81	2,296.58	60.23	39.131		
7,950.00	7,698.69	7,936.13	7,696.87	35.76	34.69	89.95	1,171.86	-651.29	2,356.81	2,295.74	61.07	38.590		
8,000.00	7,718.31	7,985.97	7,716.77	36.05	34.99	89.96	1,172.06	-696.97	2,356.81	2,294.81	62.01	38.010		
8,050.00	7,733.85	8,035.84	7,732.63	36.38	35.32	89.97	1,172.27	-744.23	2,356.81	2,293.79	63.03	37.394		
8,100.00	7,745.19	8,085.75	7,744.34	36.74	35.69	89.98	1,172.49	-792.73	2,356.82	2,292.68	64.13	36.749		
8,150.00	7,752.25	8,135.69	7,751.78	37.13	36.10	89.99	1,172.70	-842.09	2,356.82	2,291.50	65.32	36.083		
8,200.00	7,754.97	8,185.66	7,754.90	37.57	36.56	90.00	1,172.92	-891.95	2,356.82	2,290.25	66.57	35.404		
8,206.17	7,755.00	8,191.83	7,754.98	37.63	36.62	90.00	1,172.95	-898.12	2,356.82	2,290.09	66.73	35.321		
8,300.00	7,755.00	8,285.66	7,755.00	38.57	37.60	90.00	1,173.36	-991.95	2,356.82	2,287.52	69.30	34.010		
8,400.00	7,755.00	8,385.66	7,755.00	39.75	38.82	90.00	1,173.80	-1,091.95	2,356.82	2,284.50	72.32	32.589		
8,500.00	7,755.00	8,485.66	7,755.00	41.10	40.21	90.00	1,174.24	-1,191.95	2,356.83	2,281.22	75.60	31.174		
8,600.00	7,755.00	8,585.66	7,755.00	42.59	41.74	90.00	1,174.68	-1,291.95	2,356.83	2,277.71	79.12	29.789		
8,700.00	7,755.00	8,685.66	7,754.99	44.23	43.39	90.00	1,175.12	-1,391.95	2,356.83	2,274.00	82.83	28.453		
8,800.00	7,755.00	8,785.66	7,754.99	45.98	45.16	90.00	1,175.56	-1,491.95	2,356.83	2,270.11	86.72	27.177		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - JAMASO 4-6S 5-6-3 - ORIGINAL WELLBORE - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
8,900.00	7,755.00	8,885.66	7,754.99	47.83	47.03	90.00	1,176.00	-1,591.94	2,356.84	2,266.07	90.76	25.966				
9,000.00	7,755.00	8,985.66	7,754.99	49.78	48.98	90.00	1,176.44	-1,691.94	2,356.84	2,261.90	94.94	24.824				
9,100.00	7,755.00	9,085.66	7,754.99	51.80	51.01	90.00	1,176.88	-1,791.94	2,356.84	2,257.61	99.23	23.751				
9,200.00	7,755.00	9,185.66	7,754.99	53.88	53.10	90.00	1,177.32	-1,891.94	2,356.84	2,253.22	103.63	22.743				
9,300.00	7,754.99	9,285.66	7,754.99	56.03	55.24	90.00	1,177.76	-1,991.94	2,356.85	2,248.74	108.11	21.800				
9,400.00	7,754.99	9,385.66	7,754.99	58.22	57.44	90.00	1,178.20	-2,091.94	2,356.85	2,244.18	112.67	20.917				
9,500.00	7,754.99	9,485.66	7,754.98	60.46	59.67	90.00	1,178.63	-2,191.94	2,356.85	2,239.55	117.31	20.091				
9,600.00	7,754.99	9,585.66	7,754.98	62.74	61.95	90.00	1,179.07	-2,291.94	2,356.86	2,234.86	122.00	19.318				
9,700.00	7,754.99	9,685.66	7,754.98	65.05	64.25	90.00	1,179.51	-2,391.94	2,356.86	2,230.11	126.75	18.595				
9,800.00	7,754.99	9,785.66	7,754.98	67.39	66.59	90.00	1,179.95	-2,491.94	2,356.86	2,225.31	131.55	17.917				
9,900.00	7,754.99	9,885.66	7,754.98	69.76	68.96	90.00	1,180.39	-2,591.93	2,356.86	2,220.48	136.39	17.281				
10,000.00	7,754.99	9,985.66	7,754.98	72.15	71.35	90.00	1,180.83	-2,691.93	2,356.87	2,215.60	141.27	16.684				
10,100.00	7,754.99	10,085.66	7,754.98	74.56	73.76	90.00	1,181.27	-2,791.93	2,356.87	2,210.68	146.18	16.123				
10,200.00	7,754.99	10,185.66	7,754.98	77.00	76.18	90.00	1,181.71	-2,891.93	2,356.87	2,205.74	151.13	15.595				
10,300.00	7,754.99	10,285.66	7,754.98	79.45	78.63	90.00	1,182.15	-2,991.93	2,356.87	2,200.77	156.11	15.098				
10,400.00	7,754.99	10,385.66	7,754.97	81.92	81.09	90.00	1,182.59	-3,091.93	2,356.88	2,195.77	161.11	14.629				
10,500.00	7,754.99	10,485.66	7,754.97	84.40	83.57	90.00	1,183.03	-3,191.93	2,356.88	2,190.74	166.14	14.186				
10,600.00	7,754.99	10,585.66	7,754.97	86.89	86.06	90.00	1,183.47	-3,291.93	2,356.88	2,185.70	171.19	13.768				
10,700.00	7,754.99	10,685.66	7,754.97	89.40	88.56	90.00	1,183.91	-3,391.93	2,356.88	2,180.63	176.25	13.372				
10,800.00	7,754.99	10,785.66	7,754.97	91.92	91.08	90.00	1,184.35	-3,491.93	2,356.89	2,175.55	181.34	12.997				
10,900.00	7,754.99	10,885.66	7,754.97	94.44	93.60	90.00	1,184.79	-3,591.92	2,356.89	2,170.45	186.44	12.641				
11,000.00	7,754.99	10,985.66	7,754.97	96.98	96.13	90.00	1,185.23	-3,691.92	2,356.89	2,165.33	191.56	12.304				
11,100.00	7,754.99	11,085.66	7,754.97	99.53	98.67	90.00	1,185.67	-3,791.92	2,356.89	2,160.20	196.69	11.983				
11,200.00	7,754.99	11,185.66	7,754.96	102.08	101.22	90.00	1,186.11	-3,891.92	2,356.90	2,155.06	201.84	11.677				
11,300.00	7,754.99	11,285.66	7,754.96	104.64	103.78	90.00	1,186.54	-3,991.92	2,356.90	2,149.90	207.00	11.386				
11,400.00	7,754.98	11,385.66	7,754.96	107.21	106.34	90.00	1,186.98	-4,091.92	2,356.90	2,144.74	212.16	11.109				
11,500.00	7,754.98	11,485.66	7,754.96	109.78	108.91	90.00	1,187.42	-4,191.92	2,356.90	2,139.56	217.34	10.844				
11,600.00	7,754.98	11,585.66	7,754.96	112.36	111.48	90.00	1,187.86	-4,291.92	2,356.91	2,134.38	222.53	10.591				
11,700.00	7,754.98	11,685.66	7,754.96	114.94	114.06	90.00	1,188.30	-4,391.92	2,356.91	2,129.18	227.73	10.350				
11,800.00	7,754.98	11,785.66	7,754.96	117.53	116.65	90.00	1,188.74	-4,491.92	2,356.91	2,123.98	232.94	10.118				
11,900.00	7,754.98	11,885.66	7,754.96	120.13	119.24	90.00	1,189.18	-4,591.92	2,356.92	2,118.77	238.15	9.897				
12,000.00	7,754.98	11,985.66	7,754.96	122.73	121.83	90.00	1,189.62	-4,691.91	2,356.92	2,113.55	243.37	9.684				
12,100.00	7,754.98	12,085.66	7,754.95	125.33	124.43	90.00	1,190.06	-4,791.91	2,356.92	2,108.32	248.60	9.481				
12,200.00	7,754.98	12,185.66	7,754.95	127.93	127.03	90.00	1,190.50	-4,891.91	2,356.92	2,103.09	253.83	9.285				
12,300.00	7,754.98	12,285.66	7,754.95	130.54	129.64	90.00	1,190.94	-4,991.91	2,356.93	2,097.85	259.07	9.097				
12,400.00	7,754.98	12,385.66	7,754.95	133.16	132.25	90.00	1,191.38	-5,091.91	2,356.93	2,092.61	264.32	8.917				
12,500.00	7,754.98	12,485.66	7,754.95	135.77	134.86	90.00	1,191.82	-5,191.91	2,356.93	2,087.36	269.57	8.743				
12,600.00	7,754.98	12,585.66	7,754.95	138.39	137.47	90.00	1,192.26	-5,291.91	2,356.93	2,082.10	274.83	8.576				
12,700.00	7,754.98	12,685.66	7,754.95	141.02	140.09	90.00	1,192.70	-5,391.91	2,356.94	2,076.84	280.09	8.415				
12,800.00	7,754.98	12,785.66	7,754.95	143.64	142.71	90.00	1,193.14	-5,491.91	2,356.94	2,071.58	285.36	8.260				
12,900.00	7,754.98	12,885.66	7,754.94	146.27	145.34	90.00	1,193.58	-5,591.91	2,356.94	2,066.31	290.63	8.110				
13,000.00	7,754.98	12,985.66	7,754.94	148.90	147.96	90.00	1,194.02	-5,691.90	2,356.94	2,061.04	295.90	7.965				
13,100.00	7,754.98	13,085.66	7,754.94	151.53	150.59	90.00	1,194.45	-5,791.90	2,356.95	2,055.77	301.18	7.826				
13,200.00	7,754.98	13,185.66	7,754.94	154.17	153.22	90.00	1,194.89	-5,891.90	2,356.95	2,050.49	306.46	7.691				
13,300.00	7,754.98	13,285.66	7,754.94	156.80	155.85	90.00	1,195.33	-5,991.90	2,356.95	2,045.20	311.75	7.560				
13,400.00	7,754.98	13,385.66	7,754.94	159.44	158.49	90.00	1,195.77	-6,091.90	2,356.95	2,039.92	317.04	7.434				
13,500.00	7,754.97	13,485.66	7,754.94	162.08	161.12	90.00	1,196.21	-6,191.90	2,356.96	2,034.63	322.33	7.312				
13,600.00	7,754.97	13,585.66	7,754.94	164.72	163.76	90.00	1,196.65	-6,291.90	2,356.96	2,029.34	327.62	7.194				
13,700.00	7,754.97	13,685.66	7,754.93	167.37	166.40	90.00	1,197.09	-6,391.90	2,356.96	2,024.04	332.92	7.080				
13,800.00	7,754.97	13,785.66	7,754.93	170.01	169.04	90.00	1,197.53	-6,491.90	2,356.97	2,018.74	338.22	6.969				
13,900.00	7,754.97	13,885.66	7,754.93	172.66	171.68	90.00	1,197.97	-6,591.90	2,356.97	2,013.44	343.53	6.861				
14,000.00	7,754.97	13,985.66	7,754.93	175.31	174.33	90.00	1,198.41	-6,691.89	2,356.97	2,008.14	348.83	6.757				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,754.97	14,085.66	7,754.93	177.95	176.97	90.00	1,198.85	-6,791.89	2,356.97	2,002.83	354.14	6.656		
14,200.00	7,754.97	14,185.66	7,754.93	180.61	179.62	90.00	1,199.29	-6,891.89	2,356.98	1,997.53	359.45	6.557		
14,300.00	7,754.97	14,285.66	7,754.93	183.26	182.27	90.00	1,199.73	-6,991.89	2,356.98	1,992.22	364.76	6.462		
14,400.00	7,754.97	14,385.66	7,754.93	185.91	184.92	90.00	1,200.17	-7,091.89	2,356.98	1,986.91	370.08	6.369		
14,500.00	7,754.97	14,485.66	7,754.93	188.56	187.57	90.00	1,200.61	-7,191.89	2,356.98	1,981.59	375.39	6.279		
14,600.00	7,754.97	14,585.66	7,754.92	191.22	190.22	90.00	1,201.05	-7,291.89	2,356.99	1,976.28	380.71	6.191		
14,700.00	7,754.97	14,685.66	7,754.92	193.88	192.87	90.00	1,201.49	-7,391.89	2,356.99	1,970.96	386.03	6.106		
14,800.00	7,754.97	14,785.66	7,754.92	196.53	195.53	90.00	1,201.93	-7,491.89	2,356.99	1,965.64	391.35	6.023		
14,900.00	7,754.97	14,885.66	7,754.92	199.19	198.18	90.00	1,202.36	-7,591.89	2,356.99	1,960.32	396.67	5.942		
15,000.00	7,754.97	14,985.66	7,754.92	201.85	200.84	90.00	1,202.80	-7,691.89	2,357.00	1,955.00	402.00	5.863		
15,100.00	7,754.97	15,085.66	7,754.92	204.51	203.49	90.00	1,203.24	-7,791.88	2,357.00	1,949.67	407.33	5.787		
15,200.00	7,754.97	15,185.66	7,754.92	207.17	206.15	90.00	1,203.68	-7,891.88	2,357.00	1,944.35	412.65	5.712		
15,300.00	7,754.97	15,285.66	7,754.92	209.84	208.81	90.00	1,204.12	-7,991.88	2,357.00	1,939.02	417.98	5.639		
15,400.00	7,754.97	15,385.66	7,754.91	212.50	211.47	90.00	1,204.56	-8,091.88	2,357.01	1,933.69	423.31	5.568		
15,500.00	7,754.96	15,485.66	7,754.91	215.16	214.13	90.00	1,205.00	-8,191.88	2,357.01	1,928.37	428.64	5.499		
15,600.00	7,754.96	15,585.66	7,754.91	217.83	216.79	90.00	1,205.44	-8,291.88	2,357.01	1,923.03	433.98	5.431		
15,700.00	7,754.96	15,685.66	7,754.91	220.49	219.45	90.00	1,205.88	-8,391.88	2,357.02	1,917.70	439.31	5.365		
15,800.00	7,754.96	15,785.66	7,754.91	223.16	222.11	90.00	1,206.32	-8,491.88	2,357.02	1,912.37	444.65	5.301		
15,900.00	7,754.96	15,885.66	7,754.91	225.82	224.77	90.00	1,206.76	-8,591.88	2,357.02	1,907.04	449.98	5.238		
16,000.00	7,754.96	15,985.66	7,754.91	228.49	227.44	90.00	1,207.20	-8,691.88	2,357.02	1,901.70	455.32	5.177		
16,100.00	7,754.96	16,085.66	7,754.91	231.16	230.10	90.00	1,207.64	-8,791.87	2,357.03	1,896.36	460.66	5.117		
16,200.00	7,754.96	16,185.66	7,754.91	233.83	232.77	90.00	1,208.08	-8,891.87	2,357.03	1,891.03	466.00	5.058		
16,300.00	7,754.96	16,285.66	7,754.90	236.50	235.43	90.00	1,208.52	-8,991.87	2,357.03	1,885.69	471.34	5.001		
16,400.00	7,754.96	16,385.66	7,754.90	239.16	238.10	90.00	1,208.96	-9,091.87	2,357.03	1,880.35	476.68	4.945		
16,500.00	7,754.96	16,485.66	7,754.90	241.83	240.76	90.00	1,209.40	-9,191.87	2,357.04	1,875.01	482.03	4.890		
16,600.00	7,754.96	16,585.66	7,754.90	244.50	243.43	90.00	1,209.84	-9,291.87	2,357.04	1,869.67	487.37	4.836		
16,700.00	7,754.96	16,685.66	7,754.90	247.18	246.10	90.00	1,210.28	-9,391.87	2,357.04	1,864.33	492.71	4.784		
16,800.00	7,754.96	16,785.66	7,754.90	249.85	248.76	90.00	1,210.71	-9,491.87	2,357.04	1,858.98	498.06	4.732		
16,900.00	7,754.96	16,885.66	7,754.90	252.52	251.43	90.00	1,211.15	-9,591.87	2,357.05	1,853.64	503.41	4.682		
17,000.00	7,754.96	16,985.66	7,754.90	255.19	254.10	90.00	1,211.59	-9,691.87	2,357.05	1,848.30	508.75	4.633		
17,100.00	7,754.96	17,085.66	7,754.89	257.86	256.77	90.00	1,212.03	-9,791.87	2,357.05	1,842.95	514.10	4.585		
17,200.00	7,754.96	17,185.66	7,754.89	260.54	259.44	90.00	1,212.47	-9,891.86	2,357.05	1,837.61	519.45	4.538		
17,300.00	7,754.96	17,285.66	7,754.89	263.21	262.11	90.00	1,212.91	-9,991.86	2,357.06	1,832.26	524.80	4.491		
17,400.00	7,754.96	17,385.66	7,754.89	265.88	264.78	90.00	1,213.35	-10,091.86	2,357.06	1,826.91	530.15	4.446		
17,500.00	7,754.96	17,485.66	7,754.89	268.56	267.45	90.00	1,213.79	-10,191.86	2,357.06	1,821.57	535.50	4.402		
17,600.00	7,754.95	17,585.66	7,754.89	271.23	270.12	90.00	1,214.23	-10,291.86	2,357.07	1,816.22	540.85	4.358		
17,700.00	7,754.95	17,685.66	7,754.89	273.91	272.79	90.00	1,214.67	-10,391.86	2,357.07	1,810.87	546.20	4.315		
17,800.00	7,754.95	17,785.66	7,754.89	276.58	275.46	90.00	1,215.11	-10,491.86	2,357.07	1,805.52	551.55	4.274		
17,890.11	7,755.00	17,883.25	7,755.01	278.99	278.07	90.00	1,215.27	-10,589.45	2,356.82	1,800.25	556.57	4.235 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-109.69	109.69					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-109.69	109.69	109.42	0.27	407.980		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-109.69	109.69	108.70	0.99	111.267		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-109.69	109.69	107.98	1.70	64.418		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-109.69	109.69	107.27	2.42	45.331		
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-109.69	109.69	106.55	3.14	34.970		
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-109.69	109.69	105.83	3.85	28.464		
700.00	700.00	700.00	700.00	2.29	2.29	-90.00	0.00	-109.69	109.69	105.12	4.57	23.999		
800.00	799.98	799.98	799.98	2.63	2.64	75.10	0.00	-109.69	109.23	103.96	5.27	20.726		
900.00	899.84	898.57	898.55	2.96	3.00	78.60	1.63	-110.15	108.58	102.63	5.95	18.239		
912.34	912.15	910.68	910.65	3.00	3.04	79.27	2.06	-110.27	108.57	102.53	6.04	17.979 CC, ES		
1,000.00	999.45	996.18	996.02	3.30	3.35	85.41	6.46	-111.52	109.45	102.80	6.64	16.476		
1,100.00	1,098.70	1,092.19	1,091.69	3.66	3.70	94.86	14.32	-113.74	114.07	106.73	7.34	15.539		
1,200.00	1,197.47	1,186.44	1,185.28	4.04	4.04	105.55	25.01	-116.77	125.03	116.99	8.04	15.544		
1,294.51	1,290.25	1,276.46	1,274.52	4.42	4.38	115.26	36.27	-119.96	141.46	132.73	8.73	16.208		
1,300.00	1,295.62	1,281.66	1,279.68	4.44	4.40	115.80	36.92	-120.15	142.57	133.80	8.77	16.259		
1,400.00	1,393.48	1,376.40	1,373.62	4.87	4.76	124.37	48.77	-123.50	164.82	155.34	9.48	17.379		
1,500.00	1,491.33	1,471.14	1,467.56	5.31	5.13	130.89	60.63	-126.86	189.88	179.68	10.20	18.623		
1,600.00	1,589.19	1,565.88	1,561.50	5.76	5.50	135.89	72.48	-130.22	216.77	205.87	10.90	19.879		
1,700.00	1,687.04	1,660.63	1,655.43	6.22	5.87	139.80	84.33	-133.57	244.90	233.28	11.61	21.089		
1,800.00	1,784.90	1,755.37	1,749.37	6.68	6.25	142.90	96.18	-136.93	273.87	261.55	12.32	22.229		
1,900.00	1,882.75	1,850.11	1,843.31	7.15	6.63	145.42	108.03	-140.29	303.46	290.43	13.03	23.290		
2,000.00	1,980.61	1,944.85	1,937.25	7.63	7.01	147.49	119.89	-143.64	333.49	319.75	13.74	24.272		
2,100.00	2,078.46	2,039.59	2,031.19	8.11	7.39	149.22	131.74	-147.00	363.85	349.40	14.45	25.178		
2,200.00	2,176.31	2,134.34	2,125.12	8.59	7.77	150.69	143.59	-150.36	394.48	379.31	15.16	26.013		
2,300.00	2,274.17	2,229.08	2,219.06	9.07	8.15	151.95	155.44	-153.72	425.30	409.42	15.88	26.784		
2,400.00	2,372.02	2,323.82	2,313.00	9.56	8.54	153.04	167.29	-157.07	456.29	439.69	16.59	27.496		
2,500.00	2,469.88	2,418.56	2,406.94	10.04	8.92	153.99	179.15	-160.43	487.41	470.10	17.31	28.155		
2,600.00	2,567.73	2,513.31	2,500.88	10.53	9.31	154.82	191.00	-163.79	518.63	500.60	18.03	28.766		
2,700.00	2,665.59	2,608.05	2,594.81	11.02	9.69	155.56	202.85	-167.14	549.95	531.20	18.75	29.333		
2,800.00	2,763.44	2,702.79	2,688.75	11.52	10.08	156.23	214.70	-170.50	581.34	561.87	19.47	29.861		
2,900.00	2,861.29	2,802.47	2,782.69	12.01	10.49	156.82	226.55	-173.86	612.79	592.58	20.21	30.325		
3,000.00	2,959.15	2,907.72	2,876.63	12.50	10.92	157.36	238.40	-177.21	644.29	623.33	20.97	30.728		
3,100.00	3,057.00	2,987.02	2,970.57	13.00	11.24	157.84	250.26	-180.57	675.85	654.21	21.63	31.243		
3,200.00	3,154.86	3,081.76	3,064.51	13.49	11.63	158.29	262.11	-183.93	707.44	685.08	22.35	31.646		
3,300.00	3,252.71	3,176.50	3,158.44	13.99	12.02	158.69	273.96	-187.28	739.06	715.99	23.08	32.024		
3,400.00	3,350.57	3,271.24	3,252.38	14.48	12.41	159.06	285.81	-190.64	770.72	746.92	23.80	32.381		
3,500.00	3,448.42	3,365.99	3,346.32	14.98	12.80	159.41	297.66	-194.00	802.41	777.88	24.53	32.716		
3,600.00	3,546.28	3,460.73	3,440.26	15.48	13.19	159.72	309.52	-197.36	834.12	808.86	25.25	33.033		
3,700.00	3,644.13	3,555.47	3,534.20	15.98	13.58	160.02	321.37	-200.71	865.85	839.87	25.98	33.332		
3,800.00	3,741.98	3,650.21	3,628.13	16.47	13.97	160.29	333.22	-204.07	897.59	870.89	26.70	33.615		
3,900.00	3,839.84	3,744.96	3,722.07	16.97	14.36	160.55	345.07	-207.43	929.36	901.93	27.43	33.884		
4,000.00	3,937.69	3,839.70	3,816.01	17.47	14.75	160.78	356.92	-210.78	961.14	932.99	28.15	34.138		
4,100.00	4,035.55	3,934.44	3,909.95	17.97	15.14	161.01	368.77	-214.14	992.94	964.06	28.88	34.380		
4,200.00	4,133.40	4,029.18	4,003.89	18.47	15.53	161.21	380.63	-217.50	1,024.75	995.14	29.61	34.610		
4,300.00	4,231.26	4,123.93	4,097.82	18.97	15.92	161.41	392.48	-220.85	1,056.57	1,026.23	30.34	34.829		
4,400.00	4,329.11	4,218.67	4,191.76	19.47	16.31	161.59	404.33	-224.21	1,088.40	1,057.33	31.06	35.038		
4,500.00	4,426.97	4,313.41	4,285.70	19.97	16.70	161.77	416.18	-227.57	1,120.24	1,088.44	31.79	35.237		
4,600.00	4,524.82	4,408.15	4,379.64	20.47	17.09	161.93	428.03	-230.93	1,152.08	1,119.56	32.52	35.428		
4,700.00	4,622.67	4,502.89	4,473.58	20.97	17.48	162.09	439.89	-234.28	1,183.94	1,150.69	33.25	35.609		
4,800.00	4,720.53	4,602.36	4,567.51	21.47	17.89	162.24	451.74	-237.64	1,215.80	1,181.81	33.99	35.765		
4,900.00	4,818.38	4,707.62	4,661.45	21.97	18.32	162.38	463.59	-241.00	1,247.68	1,212.91	34.76	35.891		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,787.12	4,755.39	22.47	18.65	162.51	475.44	-244.35	1,279.55	1,244.12	35.44	36.110		
5,100.00	5,014.09	4,881.86	4,849.33	22.98	19.04	162.64	487.29	-247.71	1,311.44	1,275.27	36.16	36.263		
5,200.00	5,111.95	4,976.61	4,943.27	23.48	19.44	162.76	499.14	-251.07	1,343.32	1,306.43	36.89	36.410		
5,300.00	5,209.80	5,071.35	5,037.21	23.98	19.83	162.87	511.00	-254.42	1,375.22	1,337.59	37.62	36.551		
5,400.00	5,307.66	5,166.09	5,131.14	24.48	20.22	162.98	522.85	-257.78	1,407.12	1,368.76	38.35	36.687		
5,500.00	5,405.51	5,260.83	5,225.08	24.98	20.61	163.09	534.70	-261.14	1,439.02	1,399.94	39.08	36.818		
5,600.00	5,503.36	5,355.58	5,319.02	25.48	21.00	163.19	546.55	-264.50	1,470.93	1,431.11	39.82	36.944		
5,700.00	5,601.22	5,450.32	5,412.96	25.99	21.39	163.28	558.40	-267.85	1,502.84	1,462.29	40.55	37.065		
5,800.00	5,699.07	5,545.06	5,506.90	26.49	21.78	163.37	570.26	-271.21	1,534.75	1,493.48	41.28	37.182		
5,900.00	5,796.93	5,639.80	5,600.83	26.99	22.18	163.46	582.11	-274.57	1,566.67	1,524.66	42.01	37.294		
6,000.00	5,894.78	5,734.54	5,694.77	27.49	22.57	163.55	593.96	-277.92	1,598.59	1,555.85	42.74	37.403		
6,100.00	5,992.64	5,829.29	5,788.71	27.99	22.96	163.63	605.81	-281.28	1,630.52	1,587.04	43.47	37.508		
6,200.00	6,090.49	5,924.03	5,882.65	28.50	23.35	163.71	617.66	-284.64	1,662.44	1,618.24	44.20	37.609		
6,300.00	6,188.35	6,018.77	5,976.59	29.00	23.74	163.78	629.51	-287.99	1,694.37	1,649.44	44.93	37.707		
6,400.00	6,286.20	6,113.51	6,070.52	29.50	24.14	163.86	641.37	-291.35	1,726.31	1,680.64	45.67	37.802		
6,500.00	6,384.05	6,208.26	6,164.46	30.00	24.53	163.93	653.22	-294.71	1,758.24	1,711.84	46.40	37.894		
6,600.00	6,481.91	6,303.00	6,258.40	30.51	24.92	163.99	665.07	-298.07	1,790.18	1,743.05	47.13	37.983		
6,681.59	6,561.75	6,380.30	6,335.05	30.92	25.24	164.05	674.74	-300.80	1,816.24	1,768.51	47.73	38.053		
6,700.00	6,579.77	6,402.24	6,352.36	31.01	25.33	164.09	676.92	-301.42	1,822.06	1,774.18	47.88	38.054		
6,800.00	6,678.09	6,506.78	6,447.00	31.48	25.76	164.30	688.87	-304.81	1,851.82	1,803.17	48.65	38.068		
6,900.00	6,776.98	6,589.63	6,542.60	31.92	26.10	164.46	700.93	-308.22	1,878.35	1,829.03	49.32	38.084		
7,000.00	6,876.33	6,686.87	6,639.02	32.32	26.51	164.57	713.09	-311.67	1,901.62	1,851.58	50.04	37.999		
7,100.00	6,976.01	6,784.84	6,736.15	32.69	26.91	164.63	725.35	-315.14	1,921.61	1,870.85	50.76	37.856		
7,200.00	7,075.91	6,883.40	6,833.88	33.01	27.32	164.65	737.68	-318.63	1,938.29	1,886.82	51.47	37.658		
7,276.10	7,152.00	6,958.73	6,908.57	33.22	27.63	0.42	747.10	-321.30	1,948.76	1,896.77	52.00	37.478		
7,299.99	7,175.89	6,982.42	6,932.05	33.28	27.73	0.39	750.06	-322.14	1,951.75	1,899.59	52.16	37.420		
7,306.10	7,182.00	6,988.48	6,938.06	33.29	27.76	0.39	750.82	-322.35	1,952.51	1,900.31	52.20	37.405		
7,350.00	7,225.86	7,071.98	7,020.93	33.41	28.09	89.64	760.65	-325.14	1,957.78	1,905.00	52.78	37.092		
7,400.00	7,275.48	7,216.61	7,165.04	33.56	28.64	89.65	772.31	-328.44	1,961.79	1,908.08	53.72	36.521		
7,450.00	7,324.39	7,359.56	7,307.89	33.72	29.13	90.31	776.95	-329.75	1,963.43	1,908.90	54.53	36.006		
7,500.00	7,372.22	7,424.39	7,372.72	33.88	29.34	90.82	777.05	-329.87	1,963.93	1,908.68	54.95	35.736		
7,550.00	7,418.60	7,475.15	7,423.37	34.05	29.50	91.25	777.07	-332.97	1,963.93	1,908.61	55.32	35.502		
7,600.00	7,463.18	7,527.50	7,475.10	34.23	29.68	91.69	777.10	-340.86	1,964.35	1,908.64	55.72	35.257		
7,650.00	7,505.62	7,581.55	7,527.54	34.42	29.86	92.12	777.16	-353.92	1,964.89	1,908.74	56.15	34.995		
7,700.00	7,545.60	7,637.44	7,580.21	34.61	30.07	92.54	777.24	-372.55	1,965.53	1,908.91	56.62	34.713		
7,750.00	7,582.81	7,695.28	7,632.53	34.81	30.28	92.96	777.35	-397.13	1,966.25	1,909.11	57.14	34.410		
7,800.00	7,616.97	7,755.14	7,683.79	35.03	30.52	93.36	777.48	-428.00	1,967.03	1,909.31	57.72	34.077		
7,850.00	7,647.83	7,817.10	7,733.15	35.25	30.77	93.73	777.64	-465.39	1,967.85	1,909.47	58.38	33.708		
7,900.00	7,675.13	7,881.15	7,779.64	35.50	31.05	94.08	777.84	-509.41	1,968.66	1,909.54	59.12	33.299		
7,950.00	7,698.69	7,947.26	7,822.15	35.76	31.38	94.40	778.06	-559.99	1,969.45	1,909.48	59.97	32.841		
8,000.00	7,718.31	8,015.31	7,859.53	36.05	31.77	94.68	778.31	-616.80	1,970.16	1,909.22	60.95	32.326		
8,050.00	7,733.85	8,085.08	7,890.59	36.38	32.24	94.91	778.58	-679.23	1,970.78	1,908.71	62.06	31.755		
8,100.00	7,745.19	8,156.29	7,914.23	36.74	32.81	95.09	778.87	-746.35	1,971.26	1,907.93	63.32	31.130		
8,150.00	7,752.25	8,228.57	7,929.53	37.13	33.48	95.21	779.18	-816.94	1,971.58	1,906.85	64.73	30.457		
8,200.00	7,754.97	8,301.48	7,935.85	37.57	34.26	95.26	779.50	-889.53	1,971.73	1,905.47	66.26	29.757		
8,206.17	7,755.00	8,310.50	7,935.98	37.63	34.36	95.27	779.54	-898.55	1,971.74	1,905.28	66.46	29.669		
8,300.00	7,755.00	8,405.67	7,936.00	38.57	35.52	95.27	779.96	-993.71	1,971.74	1,902.72	69.02	28.567		
8,400.00	7,755.00	8,505.67	7,936.00	39.75	36.90	95.27	780.40	-1,093.71	1,971.74	1,899.72	72.02	27.378		
8,500.00	7,755.00	8,605.67	7,936.00	41.10	38.43	95.27	780.83	-1,193.71	1,971.74	1,896.46	75.28	26.193		
8,600.00	7,755.00	8,705.67	7,936.00	42.59	40.09	95.27	781.27	-1,293.71	1,971.74	1,892.97	78.77	25.032		
8,700.00	7,755.00	8,805.67	7,936.00	44.23	41.86	95.27	781.71	-1,393.71	1,971.74	1,889.28	82.46	23.911		
8,800.00	7,755.00	8,905.67	7,936.00	45.98	43.73	95.27	782.15	-1,493.71	1,971.74	1,885.42	86.33	22.840		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	7,755.00	9,005.67	7,936.00	47.83	45.68	95.27	782.58	-1,593.71	1,971.74	1,881.40	90.35	21.824		
9,000.00	7,755.00	9,105.67	7,936.00	49.78	47.70	95.27	783.02	-1,693.71	1,971.74	1,877.24	94.50	20.865		
9,100.00	7,755.00	9,205.67	7,936.00	51.80	49.79	95.27	783.46	-1,793.71	1,971.75	1,872.97	98.77	19.963		
9,200.00	7,755.00	9,305.67	7,936.00	53.88	51.94	95.27	783.90	-1,893.71	1,971.75	1,868.60	103.14	19.117		
9,300.00	7,754.99	9,405.67	7,935.99	56.03	54.14	95.27	784.33	-1,993.70	1,971.75	1,864.14	107.60	18.324		
9,400.00	7,754.99	9,505.67	7,935.99	58.22	56.38	95.27	784.77	-2,093.70	1,971.75	1,859.60	112.14	17.582		
9,500.00	7,754.99	9,605.67	7,935.99	60.46	58.66	95.27	785.21	-2,193.70	1,971.75	1,855.00	116.75	16.888		
9,600.00	7,754.99	9,705.67	7,935.99	62.74	60.97	95.27	785.65	-2,293.70	1,971.75	1,850.32	121.42	16.238		
9,700.00	7,754.99	9,805.67	7,935.99	65.05	63.31	95.27	786.09	-2,393.70	1,971.75	1,845.60	126.15	15.630		
9,800.00	7,754.99	9,905.67	7,935.99	67.39	65.68	95.27	786.52	-2,493.70	1,971.75	1,840.82	130.93	15.060		
9,900.00	7,754.99	10,005.67	7,935.99	69.76	68.07	95.27	786.96	-2,593.70	1,971.75	1,836.01	135.75	14.525		
10,000.00	7,754.99	10,105.67	7,935.99	72.15	70.49	95.27	787.40	-2,693.70	1,971.75	1,831.15	140.60	14.024		
10,100.00	7,754.99	10,205.67	7,935.99	74.56	72.92	95.27	787.84	-2,793.70	1,971.75	1,826.26	145.50	13.552		
10,200.00	7,754.99	10,305.67	7,935.99	77.00	75.38	95.27	788.27	-2,893.70	1,971.76	1,821.33	150.42	13.108		
10,300.00	7,754.99	10,405.67	7,935.99	79.45	77.84	95.27	788.71	-2,993.69	1,971.76	1,816.38	155.38	12.690		
10,400.00	7,754.99	10,505.67	7,935.99	81.92	80.33	95.27	789.15	-3,093.69	1,971.76	1,811.40	160.36	12.296		
10,500.00	7,754.99	10,605.67	7,935.99	84.40	82.82	95.27	789.59	-3,193.69	1,971.76	1,806.39	165.36	11.924		
10,600.00	7,754.99	10,705.67	7,935.99	86.89	85.33	95.27	790.02	-3,293.69	1,971.76	1,801.37	170.39	11.572		
10,700.00	7,754.99	10,805.67	7,935.99	89.40	87.85	95.27	790.46	-3,393.69	1,971.76	1,796.32	175.44	11.239		
10,800.00	7,754.99	10,905.67	7,935.99	91.92	90.38	95.27	790.90	-3,493.69	1,971.76	1,791.26	180.50	10.924		
10,900.00	7,754.99	11,005.67	7,935.99	94.44	92.91	95.27	791.34	-3,593.69	1,971.76	1,786.18	185.58	10.625		
11,000.00	7,754.99	11,105.67	7,935.99	96.98	95.46	95.27	791.78	-3,693.69	1,971.76	1,781.09	190.68	10.341		
11,100.00	7,754.99	11,205.67	7,935.99	99.53	98.01	95.27	792.21	-3,793.69	1,971.76	1,775.98	195.79	10.071		
11,200.00	7,754.99	11,305.67	7,935.99	102.08	100.57	95.27	792.65	-3,893.69	1,971.76	1,770.85	200.91	9.814		
11,300.00	7,754.99	11,405.67	7,935.99	104.64	103.14	95.27	793.09	-3,993.69	1,971.76	1,765.72	206.05	9.570		
11,400.00	7,754.98	11,505.67	7,935.98	107.21	105.71	95.27	793.53	-4,093.68	1,971.77	1,760.57	211.19	9.336		
11,500.00	7,754.98	11,605.67	7,935.98	109.78	108.29	95.27	793.96	-4,193.68	1,971.77	1,755.42	216.35	9.114		
11,600.00	7,754.98	11,705.67	7,935.98	112.36	110.88	95.27	794.40	-4,293.68	1,971.77	1,750.25	221.52	8.901		
11,700.00	7,754.98	11,805.67	7,935.98	114.94	113.47	95.27	794.84	-4,393.68	1,971.77	1,745.08	226.69	8.698		
11,800.00	7,754.98	11,905.67	7,935.98	117.53	116.06	95.27	795.28	-4,493.68	1,971.77	1,739.89	231.88	8.504		
11,900.00	7,754.98	12,005.67	7,935.98	120.13	118.66	95.27	795.71	-4,593.68	1,971.77	1,734.70	237.07	8.317		
12,000.00	7,754.98	12,105.67	7,935.98	122.73	121.26	95.27	796.15	-4,693.68	1,971.77	1,729.50	242.27	8.139		
12,100.00	7,754.98	12,205.67	7,935.98	125.33	123.87	95.27	796.59	-4,793.68	1,971.77	1,724.30	247.47	7.968		
12,200.00	7,754.98	12,305.67	7,935.98	127.93	126.48	95.27	797.03	-4,893.68	1,971.77	1,719.09	252.69	7.803		
12,300.00	7,754.98	12,405.67	7,935.98	130.54	129.09	95.27	797.47	-4,993.68	1,971.77	1,713.87	257.91	7.645		
12,400.00	7,754.98	12,505.67	7,935.98	133.16	131.70	95.27	797.90	-5,093.67	1,971.77	1,708.64	263.13	7.494		
12,500.00	7,754.98	12,605.67	7,935.98	135.77	134.32	95.27	798.34	-5,193.67	1,971.78	1,703.41	268.36	7.347		
12,600.00	7,754.98	12,705.67	7,935.98	138.39	136.94	95.27	798.78	-5,293.67	1,971.78	1,698.18	273.60	7.207		
12,700.00	7,754.98	12,805.67	7,935.98	141.02	139.57	95.27	799.22	-5,393.67	1,971.78	1,692.94	278.84	7.071		
12,800.00	7,754.98	12,905.67	7,935.98	143.64	142.20	95.27	799.65	-5,493.67	1,971.78	1,687.70	284.08	6.941		
12,900.00	7,754.98	13,005.67	7,935.98	146.27	144.82	95.27	800.09	-5,593.67	1,971.78	1,682.45	289.33	6.815		
13,000.00	7,754.98	13,105.67	7,935.98	148.90	147.46	95.27	800.53	-5,693.67	1,971.78	1,677.20	294.58	6.693		
13,100.00	7,754.98	13,205.67	7,935.98	151.53	150.09	95.27	800.97	-5,793.67	1,971.78	1,671.94	299.84	6.576		
13,200.00	7,754.98	13,305.67	7,935.98	154.17	152.72	95.27	801.40	-5,893.67	1,971.78	1,666.68	305.10	6.463		
13,300.00	7,754.98	13,405.67	7,935.98	156.80	155.36	95.27	801.84	-5,993.67	1,971.78	1,661.42	310.36	6.353		
13,400.00	7,754.98	13,505.67	7,935.97	159.44	158.00	95.27	802.28	-6,093.67	1,971.78	1,656.15	315.63	6.247		
13,500.00	7,754.97	13,605.67	7,935.97	162.08	160.64	95.27	802.72	-6,193.66	1,971.78	1,650.88	320.90	6.145		
13,600.00	7,754.97	13,705.67	7,935.97	164.72	163.28	95.27	803.16	-6,293.66	1,971.78	1,645.61	326.17	6.045		
13,700.00	7,754.97	13,805.67	7,935.97	167.37	165.93	95.27	803.59	-6,393.66	1,971.79	1,640.34	331.45	5.949		
13,800.00	7,754.97	13,905.67	7,935.97	170.01	168.57	95.27	804.03	-6,493.66	1,971.79	1,635.06	336.73	5.856		
13,900.00	7,754.97	14,005.67	7,935.97	172.66	171.22	95.27	804.47	-6,593.66	1,971.79	1,629.78	342.01	5.765		
14,000.00	7,754.97	14,105.67	7,935.97	175.31	173.87	95.27	804.91	-6,693.66	1,971.79	1,624.50	347.29	5.678		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,754.97	14,205.67	7,935.97	177.95	176.52	95.27	805.34	-6,793.66	1,971.79	1,619.21	352.58	5.592		
14,200.00	7,754.97	14,305.67	7,935.97	180.61	179.17	95.27	805.78	-6,893.66	1,971.79	1,613.92	357.87	5.510		
14,300.00	7,754.97	14,405.67	7,935.97	183.26	181.82	95.27	806.22	-6,993.66	1,971.79	1,608.63	363.16	5.430		
14,400.00	7,754.97	14,505.67	7,935.97	185.91	184.47	95.27	806.66	-7,093.66	1,971.79	1,603.34	368.45	5.352		
14,500.00	7,754.97	14,605.67	7,935.97	188.56	187.12	95.27	807.10	-7,193.65	1,971.79	1,598.05	373.74	5.276		
14,600.00	7,754.97	14,705.67	7,935.97	191.22	189.78	95.27	807.53	-7,293.65	1,971.79	1,592.75	379.04	5.202		
14,700.00	7,754.97	14,805.67	7,935.97	193.88	192.43	95.27	807.97	-7,393.65	1,971.79	1,587.46	384.34	5.130		
14,800.00	7,754.97	14,905.67	7,935.97	196.53	195.09	95.27	808.41	-7,493.65	1,971.80	1,582.16	389.64	5.061		
14,900.00	7,754.97	15,005.67	7,935.97	199.19	197.75	95.27	808.85	-7,593.65	1,971.80	1,576.86	394.94	4.993		
15,000.00	7,754.97	15,105.67	7,935.97	201.85	200.41	95.27	809.28	-7,693.65	1,971.80	1,571.56	400.24	4.927		
15,100.00	7,754.97	15,205.67	7,935.97	204.51	203.07	95.27	809.72	-7,793.65	1,971.80	1,566.25	405.55	4.862		
15,200.00	7,754.97	15,305.67	7,935.97	207.17	205.73	95.27	810.16	-7,893.65	1,971.80	1,560.95	410.85	4.799		
15,300.00	7,754.97	15,405.67	7,935.97	209.84	208.39	95.27	810.60	-7,993.65	1,971.80	1,555.64	416.16	4.738		
15,400.00	7,754.97	15,505.67	7,935.97	212.50	211.05	95.27	811.03	-8,093.65	1,971.80	1,550.33	421.47	4.678		
15,500.00	7,754.96	15,605.67	7,935.96	215.16	213.71	95.27	811.47	-8,193.65	1,971.80	1,545.02	426.78	4.620		
15,600.00	7,754.96	15,705.67	7,935.96	217.83	216.37	95.27	811.91	-8,293.64	1,971.80	1,539.71	432.09	4.563		
15,700.00	7,754.96	15,805.67	7,935.96	220.49	219.04	95.27	812.35	-8,393.64	1,971.80	1,534.40	437.40	4.508		
15,800.00	7,754.96	15,905.67	7,935.96	223.16	221.70	95.27	812.79	-8,493.64	1,971.80	1,529.09	442.72	4.454		
15,900.00	7,754.96	16,005.67	7,935.96	225.82	224.37	95.27	813.22	-8,593.64	1,971.80	1,523.77	448.03	4.401		
16,000.00	7,754.96	16,105.67	7,935.96	228.49	227.03	95.27	813.66	-8,693.64	1,971.81	1,518.46	453.35	4.349		
16,100.00	7,754.96	16,205.67	7,935.96	231.16	229.70	95.27	814.10	-8,793.64	1,971.81	1,513.14	458.66	4.299		
16,200.00	7,754.96	16,305.67	7,935.96	233.83	232.36	95.27	814.54	-8,893.64	1,971.81	1,507.83	463.98	4.250		
16,300.00	7,754.96	16,405.67	7,935.96	236.50	235.03	95.27	814.97	-8,993.64	1,971.81	1,502.51	469.30	4.202		
16,400.00	7,754.96	16,505.67	7,935.96	239.16	237.70	95.27	815.41	-9,093.64	1,971.81	1,497.19	474.62	4.154		
16,500.00	7,754.96	16,605.67	7,935.96	241.83	240.37	95.27	815.85	-9,193.64	1,971.81	1,491.87	479.94	4.108		
16,600.00	7,754.96	16,705.67	7,935.96	244.50	243.03	95.27	816.29	-9,293.63	1,971.81	1,486.55	485.26	4.063		
16,700.00	7,754.96	16,805.67	7,935.96	247.18	245.70	95.27	816.72	-9,393.63	1,971.81	1,481.23	490.59	4.019		
16,800.00	7,754.96	16,905.67	7,935.96	249.85	248.37	95.27	817.16	-9,493.63	1,971.81	1,475.90	495.91	3.976		
16,900.00	7,754.96	17,005.67	7,935.96	252.52	251.04	95.27	817.60	-9,593.63	1,971.81	1,470.58	501.23	3.934		
17,000.00	7,754.96	17,105.67	7,935.96	255.19	253.71	95.27	818.04	-9,693.63	1,971.81	1,465.26	506.56	3.893		
17,100.00	7,754.96	17,205.67	7,935.96	257.86	256.38	95.27	818.48	-9,793.63	1,971.82	1,459.93	511.88	3.852		
17,200.00	7,754.96	17,305.67	7,935.96	260.54	259.05	95.27	818.91	-9,893.63	1,971.82	1,454.60	517.21	3.812		
17,300.00	7,754.96	17,405.67	7,935.96	263.21	261.73	95.27	819.35	-9,993.63	1,971.82	1,449.28	522.54	3.774		
17,400.00	7,754.96	17,505.67	7,935.96	265.88	264.40	95.27	819.79	-10,093.63	1,971.82	1,443.95	527.87	3.735		
17,500.00	7,754.96	17,605.67	7,935.95	268.56	267.07	95.27	820.23	-10,193.63	1,971.82	1,438.62	533.19	3.698		
17,600.00	7,754.95	17,705.67	7,935.95	271.23	269.74	95.27	820.66	-10,293.62	1,971.82	1,433.30	538.52	3.662		
17,700.00	7,754.95	17,805.67	7,935.95	273.91	272.42	95.27	821.10	-10,393.62	1,971.82	1,427.97	543.85	3.626		
17,800.00	7,754.95	17,907.26	7,935.96	276.58	275.13	95.27	821.54	-10,495.22	1,971.82	1,422.59	549.23	3.590		
17,890.11	7,755.00	17,997.37	7,936.00	278.99	277.54	95.27	821.86	-10,585.32	1,971.74	1,417.71	554.03	3.559 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-126.56	126.56					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-126.56	126.56	126.29	0.27	470.746		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-126.56	126.56	125.58	0.99	128.385		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-126.56	126.56	124.86	1.70	74.328		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-126.56	126.56	124.14	2.42	52.305		
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-126.56	126.56	123.43	3.14	40.350		
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-126.56	126.56	122.71	3.85	32.843		
700.00	700.00	700.00	700.00	2.29	2.29	-90.00	0.00	-126.56	126.56	121.99	4.57	27.691		
800.00	799.98	800.02	799.98	2.63	2.64	74.98	0.00	-126.56	126.10	120.83	5.27	23.928		
900.00	899.84	900.16	899.84	2.96	3.00	77.32	0.00	-126.56	124.84	118.88	5.96	20.947		
1,000.00	999.45	999.45	999.45	3.30	3.36	81.30	0.00	-126.56	123.22	116.56	6.66	18.506		
1,057.75	1,056.83	1,055.35	1,055.35	3.51	3.56	84.47	0.47	-126.81	122.73	115.67	7.06	17.373 CC, ES		
1,100.00	1,098.70	1,095.99	1,095.97	3.66	3.70	87.33	1.42	-127.32	123.05	115.69	7.36	16.718		
1,200.00	1,197.47	1,191.10	1,190.96	4.04	4.05	95.58	5.62	-129.57	127.11	119.04	8.07	15.747		
1,294.51	1,290.25	1,282.35	1,281.98	4.42	4.37	104.49	11.28	-132.60	135.85	127.08	8.77	15.489		
1,300.00	1,295.62	1,287.65	1,287.27	4.44	4.39	105.01	11.61	-132.77	136.48	127.67	8.81	15.489		
1,400.00	1,393.48	1,384.21	1,383.59	4.87	4.74	113.78	17.63	-135.99	149.97	140.41	9.56	15.692		
1,500.00	1,491.33	1,480.77	1,479.91	5.31	5.09	121.02	23.65	-139.21	166.45	156.15	10.30	16.167		
1,600.00	1,589.19	1,577.33	1,576.23	5.76	5.44	126.93	29.66	-142.43	185.12	174.09	11.03	16.786		
1,700.00	1,687.04	1,673.90	1,672.55	6.22	5.80	131.75	35.68	-145.65	205.40	193.64	11.76	17.473		
1,800.00	1,784.90	1,770.46	1,768.87	6.68	6.15	135.69	41.70	-148.86	226.84	214.36	12.48	18.179		
1,900.00	1,882.75	1,867.02	1,865.19	7.15	6.51	138.96	47.71	-152.08	249.16	235.96	13.20	18.876		
2,000.00	1,980.61	1,963.58	1,961.51	7.63	6.86	141.69	53.73	-155.30	272.13	258.21	13.92	19.549		
2,100.00	2,078.46	2,060.14	2,057.83	8.11	7.22	144.00	59.75	-158.52	295.60	280.96	14.64	20.190		
2,200.00	2,176.31	2,156.70	2,154.15	8.59	7.58	145.97	65.77	-161.74	319.46	304.10	15.36	20.796		
2,300.00	2,274.17	2,253.26	2,250.47	9.07	7.94	147.67	71.78	-164.95	343.63	327.55	16.08	21.367		
2,400.00	2,372.02	2,349.82	2,346.79	9.56	8.29	149.15	77.80	-168.17	368.05	351.25	16.80	21.904		
2,500.00	2,469.88	2,446.39	2,443.11	10.04	8.65	150.44	83.82	-171.39	392.68	375.15	17.53	22.406		
2,600.00	2,567.73	2,542.95	2,539.43	10.53	9.01	151.58	89.83	-174.61	417.47	399.22	18.25	22.878		
2,700.00	2,665.59	2,639.51	2,635.75	11.02	9.37	152.59	95.85	-177.83	442.40	423.43	18.97	23.319		
2,800.00	2,763.44	2,736.07	2,732.07	11.52	9.73	153.50	101.87	-181.04	467.45	447.75	19.70	23.734		
2,900.00	2,861.29	2,832.63	2,828.39	12.01	10.09	154.31	107.88	-184.26	492.59	472.17	20.42	24.123		
3,000.00	2,959.15	2,929.19	2,924.71	12.50	10.45	155.04	113.90	-187.48	517.82	496.67	21.14	24.489		
3,100.00	3,057.00	3,025.75	3,021.03	13.00	10.81	155.71	119.92	-190.70	543.12	521.25	21.87	24.834		
3,200.00	3,154.86	3,122.32	3,117.35	13.49	11.17	156.32	125.93	-193.91	568.49	545.89	22.60	25.158		
3,300.00	3,252.71	3,218.88	3,213.67	13.99	11.53	156.87	131.95	-197.13	593.90	570.58	23.32	25.464		
3,400.00	3,350.57	3,315.44	3,309.99	14.48	11.89	157.38	137.97	-200.35	619.37	595.32	24.05	25.754		
3,500.00	3,448.42	3,412.00	3,406.31	14.98	12.25	157.85	143.98	-203.57	644.88	620.10	24.78	26.027		
3,600.00	3,546.28	3,508.56	3,502.63	15.48	12.61	158.29	150.00	-206.79	670.43	644.92	25.51	26.286		
3,700.00	3,644.13	3,605.12	3,598.95	15.98	12.97	158.69	156.02	-210.00	696.01	669.78	26.23	26.531		
3,800.00	3,741.98	3,701.68	3,695.27	16.47	13.33	159.06	162.03	-213.22	721.62	694.66	26.96	26.764		
3,900.00	3,839.84	3,801.76	3,791.59	16.97	13.70	159.41	168.05	-216.44	747.26	719.55	27.70	26.973		
4,000.00	3,937.69	3,905.19	3,887.91	17.47	14.09	159.74	174.07	-219.66	772.92	744.46	28.46	27.160		
4,100.00	4,035.55	3,991.37	3,984.23	17.97	14.41	160.04	180.08	-222.88	798.60	769.45	29.15	27.397		
4,200.00	4,133.40	4,087.93	4,080.55	18.47	14.77	160.32	186.10	-226.09	824.31	794.43	29.88	27.588		
4,300.00	4,231.26	4,184.49	4,176.87	18.97	15.13	160.59	192.12	-229.31	850.03	819.42	30.61	27.770		
4,400.00	4,329.11	4,281.05	4,273.19	19.47	15.50	160.85	198.13	-232.53	875.76	844.43	31.34	27.944		
4,500.00	4,426.97	4,377.61	4,369.51	19.97	15.86	161.08	204.15	-235.75	901.52	869.45	32.07	28.111		
4,600.00	4,524.82	4,474.17	4,465.83	20.47	16.22	161.31	210.17	-238.97	927.28	894.48	32.80	28.270		
4,700.00	4,622.67	4,570.73	4,562.15	20.97	16.58	161.52	216.18	-242.18	953.06	919.53	33.53	28.422		
4,800.00	4,720.53	4,667.30	4,658.47	21.47	16.94	161.72	222.20	-245.40	978.85	944.59	34.26	28.568		
4,900.00	4,818.38	4,763.86	4,754.79	21.97	17.30	161.91	228.22	-248.62	1,004.65	969.66	34.99	28.709		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,860.42	4,851.11	22.47	17.66	162.09	234.23	-251.84	1,030.46	994.74	35.73	28.843		
5,100.00	5,014.09	4,956.98	4,947.43	22.98	18.02	162.27	240.25	-255.06	1,056.28	1,019.83	36.46	28.972		
5,200.00	5,111.95	5,053.54	5,043.75	23.48	18.39	162.43	246.27	-258.27	1,082.11	1,044.92	37.19	29.097		
5,300.00	5,209.80	5,150.10	5,140.37	23.98	18.75	162.59	252.28	-261.49	1,107.95	1,070.03	37.92	29.216		
5,400.00	5,307.66	5,246.66	5,236.39	24.48	19.11	162.74	258.30	-264.71	1,133.79	1,095.14	38.65	29.331		
5,500.00	5,405.51	5,343.22	5,332.71	24.98	19.47	162.88	264.32	-267.93	1,159.65	1,120.26	39.39	29.442		
5,600.00	5,503.36	5,439.79	5,429.03	25.48	19.83	163.02	270.33	-271.15	1,185.50	1,145.38	40.12	29.549		
5,700.00	5,601.22	5,536.35	5,525.35	25.99	20.19	163.15	276.35	-274.36	1,211.37	1,170.51	40.85	29.652		
5,800.00	5,699.07	5,632.91	5,621.67	26.49	20.55	163.27	282.37	-277.58	1,237.24	1,195.65	41.59	29.751		
5,900.00	5,796.93	5,729.47	5,717.98	26.99	20.92	163.39	288.38	-280.80	1,263.11	1,220.79	42.32	29.847		
6,000.00	5,894.78	5,826.03	5,814.30	27.49	21.28	163.51	294.40	-284.02	1,288.99	1,245.94	43.05	29.940		
6,100.00	5,992.64	5,922.59	5,910.62	27.99	21.64	163.62	300.42	-287.24	1,314.87	1,271.09	43.79	30.029		
6,200.00	6,090.49	6,019.15	6,006.94	28.50	22.00	163.73	306.43	-290.45	1,340.76	1,296.24	44.52	30.116		
6,300.00	6,188.35	6,115.71	6,103.26	29.00	22.36	163.83	312.45	-293.67	1,366.65	1,321.40	45.25	30.200		
6,400.00	6,286.20	6,212.28	6,199.58	29.50	22.72	163.93	318.47	-296.89	1,392.55	1,346.56	45.99	30.281		
6,500.00	6,384.05	6,308.84	6,295.90	30.00	23.09	164.02	324.48	-300.11	1,418.45	1,371.73	46.72	30.360		
6,600.00	6,481.91	6,405.40	6,392.22	30.51	23.45	164.12	330.50	-303.33	1,444.36	1,396.90	47.46	30.436		
6,681.59	6,561.75	6,484.18	6,470.81	30.92	23.74	164.19	335.41	-305.95	1,465.49	1,417.44	48.05	30.496		
6,700.00	6,579.77	6,501.97	6,488.56	31.01	23.81	164.23	336.52	-306.54	1,470.21	1,422.02	48.19	30.509		
6,800.00	6,678.09	6,600.89	6,585.45	31.48	24.18	164.42	342.57	-309.78	1,493.89	1,444.96	48.93	30.533		
6,900.00	6,776.98	6,703.00	6,683.10	31.92	24.56	164.56	348.67	-313.04	1,514.29	1,464.62	49.67	30.487		
7,000.00	6,876.33	6,804.48	6,781.37	32.32	24.94	164.63	354.81	-316.33	1,531.39	1,480.99	50.40	30.383		
7,100.00	6,976.01	6,905.44	6,880.16	32.69	25.32	164.66	360.98	-319.63	1,545.17	1,494.04	51.13	30.222		
7,200.00	7,075.91	6,993.98	6,979.34	33.01	25.65	164.63	367.18	-322.94	1,555.60	1,503.81	51.80	30.033		
7,276.10	7,152.00	7,069.83	7,055.00	33.22	25.94	0.37	371.90	-325.47	1,561.30	1,508.98	52.32	29.842		
7,299.99	7,175.89	7,093.66	7,079.76	33.28	26.03	0.34	373.39	-326.26	1,562.78	1,510.30	52.48	29.779		
7,306.10	7,182.00	7,100.94	7,086.03	33.29	26.05	0.33	373.84	-326.50	1,563.16	1,510.64	52.53	29.758		
7,350.00	7,225.86	7,185.27	7,170.23	33.41	26.36	89.90	377.94	-328.70	1,565.29	1,512.19	53.10	29.480		
7,400.00	7,275.48	7,280.85	7,265.77	33.56	26.70	90.18	379.94	-329.77	1,566.34	1,512.64	53.71	29.165		
7,450.00	7,324.39	7,339.72	7,324.64	33.72	26.91	90.60	380.00	-329.87	1,566.45	1,512.35	54.10	28.957		
7,500.00	7,372.22	7,390.33	7,375.15	33.88	27.08	91.01	380.01	-332.86	1,566.62	1,512.16	54.45	28.769		
7,550.00	7,418.60	7,442.07	7,426.30	34.05	27.27	91.42	380.05	-340.52	1,566.87	1,512.03	54.84	28.571		
7,600.00	7,463.18	7,494.98	7,477.68	34.23	27.47	91.83	380.10	-353.08	1,567.20	1,511.95	55.26	28.362		
7,650.00	7,505.62	7,549.12	7,528.82	34.42	27.69	92.23	380.18	-370.79	1,567.61	1,511.90	55.71	28.140		
7,700.00	7,545.60	7,604.52	7,579.19	34.61	27.92	92.61	380.28	-393.82	1,568.07	1,511.87	56.20	27.902		
7,750.00	7,582.81	7,661.23	7,628.18	34.81	28.16	92.98	380.41	-422.31	1,568.57	1,511.83	56.74	27.645		
7,800.00	7,616.97	7,719.23	7,675.14	35.03	28.44	93.33	380.55	-456.32	1,569.11	1,511.77	57.34	27.364		
7,850.00	7,647.83	7,778.52	7,719.34	35.25	28.74	93.66	380.73	-495.80	1,569.65	1,511.64	58.02	27.056		
7,900.00	7,675.13	7,839.04	7,760.00	35.50	29.09	93.96	380.92	-540.59	1,570.19	1,511.41	58.78	26.714		
7,950.00	7,698.69	7,900.73	7,796.35	35.76	29.50	94.22	381.14	-590.39	1,570.69	1,511.05	59.64	26.335		
8,000.00	7,718.31	7,963.47	7,827.61	36.05	29.98	94.44	381.38	-644.75	1,571.14	1,510.51	60.63	25.912		
8,050.00	7,733.85	8,027.11	7,853.06	36.38	30.53	94.63	381.63	-703.05	1,571.52	1,509.77	61.75	25.450		
8,100.00	7,745.19	8,091.48	7,872.06	36.74	31.16	94.76	381.90	-764.52	1,571.81	1,508.82	62.99	24.953		
8,150.00	7,752.25	8,156.38	7,884.13	37.13	31.87	94.85	382.18	-828.24	1,572.00	1,507.65	64.36	24.427		
8,200.00	7,754.97	8,221.57	7,888.92	37.57	32.65	94.89	382.46	-893.22	1,572.08	1,506.26	65.82	23.883		
8,206.17	7,755.00	8,229.62	7,889.00	37.63	32.75	94.89	382.50	-901.27	1,572.08	1,506.07	66.01	23.816		
8,300.00	7,755.00	8,323.81	7,889.00	38.57	34.00	94.89	382.91	-995.46	1,572.09	1,503.50	68.58	22.923		
8,400.00	7,755.00	8,423.81	7,889.00	39.75	35.47	94.89	383.35	-1,095.46	1,572.09	1,500.49	71.59	21.959		
8,500.00	7,755.00	8,523.81	7,889.00	41.10	37.08	94.89	383.79	-1,195.46	1,572.09	1,497.22	74.87	20.999		
8,600.00	7,755.00	8,623.81	7,889.00	42.59	38.81	94.89	384.22	-1,295.46	1,572.09	1,493.72	78.37	20.060		
8,700.00	7,755.00	8,723.81	7,889.00	44.23	40.64	94.89	384.66	-1,395.45	1,572.09	1,490.01	82.08	19.154		
8,800.00	7,755.00	8,823.81	7,889.00	45.98	42.57	94.89	385.10	-1,495.45	1,572.09	1,486.13	85.96	18.289		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.00	7,755.00	8,923.81	7,889.00	47.83	44.57	94.89	385.54	-1,595.45	1,572.09	1,482.10	89.99	17.469		
9,000.00	7,755.00	9,023.81	7,889.00	49.78	46.65	94.89	385.97	-1,695.45	1,572.09	1,477.93	94.16	16.696		
9,100.00	7,755.00	9,123.81	7,889.00	51.80	48.78	94.89	386.41	-1,795.45	1,572.09	1,473.65	98.44	15.970		
9,200.00	7,755.00	9,223.81	7,889.00	53.88	50.97	94.89	386.85	-1,895.45	1,572.09	1,469.26	102.83	15.289		
9,300.00	7,754.99	9,323.81	7,889.00	56.03	53.20	94.89	387.28	-1,995.45	1,572.09	1,464.79	107.30	14.651		
9,400.00	7,754.99	9,423.81	7,889.00	58.22	55.47	94.89	387.72	-2,095.45	1,572.09	1,460.24	111.85	14.055		
9,500.00	7,754.99	9,523.81	7,889.00	60.46	57.78	94.89	388.16	-2,195.45	1,572.09	1,455.62	116.47	13.498		
9,600.00	7,754.99	9,623.81	7,889.00	62.74	60.12	94.89	388.60	-2,295.45	1,572.09	1,450.94	121.15	12.976		
9,700.00	7,754.99	9,723.81	7,889.00	65.05	62.49	94.89	389.03	-2,395.44	1,572.09	1,446.20	125.89	12.488		
9,800.00	7,754.99	9,823.81	7,889.00	67.39	64.89	94.89	389.47	-2,495.44	1,572.09	1,441.41	130.68	12.030		
9,900.00	7,754.99	9,923.81	7,889.00	69.76	67.31	94.89	389.91	-2,595.44	1,572.09	1,436.59	135.51	11.602		
10,000.00	7,754.99	10,023.81	7,889.00	72.15	69.74	94.89	390.35	-2,695.44	1,572.09	1,431.72	140.37	11.199		
10,100.00	7,754.99	10,123.81	7,889.00	74.56	72.20	94.89	390.78	-2,795.44	1,572.09	1,426.82	145.28	10.821		
10,200.00	7,754.99	10,223.81	7,889.00	77.00	74.67	94.89	391.22	-2,895.44	1,572.09	1,421.88	150.21	10.466		
10,300.00	7,754.99	10,323.81	7,889.00	79.45	77.15	94.89	391.66	-2,995.44	1,572.09	1,416.92	155.17	10.131		
10,400.00	7,754.99	10,423.81	7,889.00	81.92	79.65	94.89	392.09	-3,095.44	1,572.09	1,411.93	160.16	9.816		
10,500.00	7,754.99	10,523.81	7,889.00	84.40	82.16	94.89	392.53	-3,195.44	1,572.10	1,406.92	165.17	9.518		
10,600.00	7,754.99	10,623.81	7,889.00	86.89	84.69	94.89	392.97	-3,295.44	1,572.10	1,401.89	170.21	9.236		
10,700.00	7,754.99	10,723.81	7,889.00	89.40	87.22	94.89	393.41	-3,395.44	1,572.10	1,396.83	175.26	8.970		
10,800.00	7,754.99	10,823.81	7,889.00	91.92	89.76	94.89	393.84	-3,495.43	1,572.10	1,391.76	180.33	8.718		
10,900.00	7,754.99	10,923.81	7,889.00	94.44	92.31	94.89	394.28	-3,595.43	1,572.10	1,386.68	185.42	8.479		
11,000.00	7,754.99	11,023.81	7,889.00	96.98	94.87	94.89	394.72	-3,695.43	1,572.10	1,381.57	190.52	8.251		
11,100.00	7,754.99	11,123.81	7,889.00	99.53	97.43	94.89	395.15	-3,795.43	1,572.10	1,376.46	195.64	8.036		
11,200.00	7,754.99	11,223.81	7,889.00	102.08	100.00	94.89	395.59	-3,895.43	1,572.10	1,371.33	200.77	7.830		
11,300.00	7,754.99	11,323.81	7,889.00	104.64	102.58	94.89	396.03	-3,995.43	1,572.10	1,366.19	205.91	7.635		
11,400.00	7,754.98	11,423.81	7,889.00	107.21	105.16	94.89	396.47	-4,095.43	1,572.10	1,361.03	211.06	7.448		
11,500.00	7,754.98	11,523.81	7,889.00	109.78	107.75	94.89	396.90	-4,195.43	1,572.10	1,355.87	216.23	7.271		
11,600.00	7,754.98	11,623.81	7,889.00	112.36	110.34	94.89	397.34	-4,295.43	1,572.10	1,350.70	221.40	7.101		
11,700.00	7,754.98	11,723.81	7,889.00	114.94	112.94	94.89	397.78	-4,395.43	1,572.10	1,345.52	226.58	6.938		
11,800.00	7,754.98	11,823.81	7,889.00	117.53	115.54	94.89	398.22	-4,495.42	1,572.10	1,340.33	231.77	6.783		
11,900.00	7,754.98	11,923.81	7,889.00	120.13	118.15	94.89	398.65	-4,595.42	1,572.10	1,335.13	236.97	6.634		
12,000.00	7,754.98	12,023.81	7,889.00	122.73	120.76	94.89	399.09	-4,695.42	1,572.10	1,329.93	242.17	6.492		
12,100.00	7,754.98	12,123.81	7,889.00	125.33	123.37	94.89	399.53	-4,795.42	1,572.10	1,324.72	247.39	6.355		
12,200.00	7,754.98	12,223.81	7,889.00	127.93	125.99	94.89	399.96	-4,895.42	1,572.10	1,319.50	252.60	6.224		
12,300.00	7,754.98	12,323.81	7,889.00	130.54	128.61	94.89	400.40	-4,995.42	1,572.10	1,314.28	257.83	6.097		
12,400.00	7,754.98	12,423.81	7,888.99	133.16	131.23	94.89	400.84	-5,095.42	1,572.10	1,309.05	263.06	5.976		
12,500.00	7,754.98	12,523.81	7,888.99	135.77	133.85	94.89	401.28	-5,195.42	1,572.10	1,303.81	268.29	5.860		
12,600.00	7,754.98	12,623.81	7,888.99	138.39	136.48	94.89	401.71	-5,295.42	1,572.10	1,298.57	273.53	5.747		
12,700.00	7,754.98	12,723.81	7,888.99	141.02	139.11	94.89	402.15	-5,395.42	1,572.10	1,293.33	278.78	5.639		
12,800.00	7,754.98	12,823.81	7,888.99	143.64	141.74	94.89	402.59	-5,495.42	1,572.11	1,288.08	284.03	5.535		
12,900.00	7,754.98	12,923.81	7,888.99	146.27	144.38	94.89	403.03	-5,595.41	1,572.11	1,282.83	289.28	5.435		
13,000.00	7,754.98	13,023.81	7,888.99	148.90	147.01	94.89	403.46	-5,695.41	1,572.11	1,277.57	294.54	5.338		
13,100.00	7,754.98	13,123.81	7,888.99	151.53	149.65	94.89	403.90	-5,795.41	1,572.11	1,272.31	299.80	5.244		
13,200.00	7,754.98	13,223.81	7,888.99	154.17	152.29	94.89	404.34	-5,895.41	1,572.11	1,267.04	305.06	5.153		
13,300.00	7,754.98	13,323.81	7,888.99	156.80	154.93	94.89	404.77	-5,995.41	1,572.11	1,261.78	310.33	5.066		
13,400.00	7,754.98	13,423.81	7,888.99	159.44	157.57	94.89	405.21	-6,095.41	1,572.11	1,256.51	315.60	4.981		
13,500.00	7,754.97	13,523.81	7,888.99	162.08	160.22	94.89	405.65	-6,195.41	1,572.11	1,251.23	320.88	4.899		
13,600.00	7,754.97	13,623.81	7,888.99	164.72	162.87	94.89	406.09	-6,295.41	1,572.11	1,245.95	326.15	4.820		
13,700.00	7,754.97	13,723.81	7,888.99	167.37	165.51	94.89	406.52	-6,395.41	1,572.11	1,240.67	331.43	4.743		
13,800.00	7,754.97	13,823.81	7,888.99	170.01	168.16	94.89	406.96	-6,495.41	1,572.11	1,235.39	336.72	4.669		
13,900.00	7,754.97	13,923.81	7,888.99	172.66	170.81	94.89	407.40	-6,595.40	1,572.11	1,230.11	342.00	4.597		
14,000.00	7,754.97	14,023.81	7,888.99	175.31	173.46	94.89	407.83	-6,695.40	1,572.11	1,224.82	347.29	4.527		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,754.97	14,123.81	7,888.99	177.95	176.12	94.89	408.27	-6,795.40	1,572.11	1,219.53	352.58	4.459		
14,200.00	7,754.97	14,223.81	7,888.99	180.61	178.77	94.89	408.71	-6,895.40	1,572.11	1,214.24	357.87	4.393		
14,300.00	7,754.97	14,323.81	7,888.99	183.26	181.42	94.89	409.15	-6,995.40	1,572.11	1,208.94	363.17	4.329		
14,400.00	7,754.97	14,423.81	7,888.99	185.91	184.08	94.89	409.58	-7,095.40	1,572.11	1,203.65	368.46	4.267		
14,500.00	7,754.97	14,523.81	7,888.99	188.56	186.74	94.89	410.02	-7,195.40	1,572.11	1,198.35	373.76	4.206		
14,600.00	7,754.97	14,623.81	7,888.99	191.22	189.39	94.89	410.46	-7,295.40	1,572.11	1,193.05	379.06	4.147		
14,700.00	7,754.97	14,723.81	7,888.99	193.88	192.05	94.89	410.90	-7,395.40	1,572.11	1,187.75	384.36	4.090		
14,800.00	7,754.97	14,823.81	7,888.99	196.53	194.71	94.89	411.33	-7,495.40	1,572.11	1,182.45	389.67	4.035		
14,900.00	7,754.97	14,923.81	7,888.99	199.19	197.37	94.89	411.77	-7,595.40	1,572.11	1,177.14	394.97	3.980		
15,000.00	7,754.97	15,023.81	7,888.99	201.85	200.03	94.89	412.21	-7,695.39	1,572.12	1,171.84	400.28	3.928		
15,100.00	7,754.97	15,123.81	7,888.99	204.51	202.70	94.89	412.64	-7,795.39	1,572.12	1,166.53	405.59	3.876		
15,200.00	7,754.97	15,223.81	7,888.99	207.17	205.36	94.89	413.08	-7,895.39	1,572.12	1,161.22	410.90	3.826		
15,300.00	7,754.97	15,323.81	7,888.99	209.84	208.02	94.89	413.52	-7,995.39	1,572.12	1,155.91	416.21	3.777		
15,400.00	7,754.97	15,423.81	7,888.99	212.50	210.68	94.89	413.96	-8,095.39	1,572.12	1,150.60	421.52	3.730		
15,500.00	7,754.96	15,523.81	7,888.99	215.16	213.35	94.89	414.39	-8,195.39	1,572.12	1,145.28	426.84	3.683		
15,600.00	7,754.96	15,623.81	7,888.99	217.83	216.01	94.89	414.83	-8,295.39	1,572.12	1,139.97	432.15	3.638		
15,700.00	7,754.96	15,723.81	7,888.99	220.49	218.68	94.89	415.27	-8,395.39	1,572.12	1,134.65	437.47	3.594		
15,800.00	7,754.96	15,823.81	7,888.99	223.16	221.35	94.89	415.71	-8,495.39	1,572.12	1,129.33	442.78	3.551		
15,900.00	7,754.96	15,923.81	7,888.99	225.82	224.01	94.89	416.14	-8,595.39	1,572.12	1,124.02	448.10	3.508		
16,000.00	7,754.96	16,023.81	7,888.99	228.49	226.68	94.89	416.58	-8,695.38	1,572.12	1,118.70	453.42	3.467		
16,100.00	7,754.96	16,123.81	7,888.99	231.16	229.35	94.89	417.02	-8,795.38	1,572.12	1,113.38	458.74	3.427		
16,200.00	7,754.96	16,223.81	7,888.99	233.83	232.02	94.89	417.45	-8,895.38	1,572.12	1,108.06	464.06	3.388		
16,300.00	7,754.96	16,323.81	7,888.99	236.50	234.69	94.89	417.89	-8,995.38	1,572.12	1,102.73	469.39	3.349		
16,400.00	7,754.96	16,423.81	7,888.99	239.16	237.36	94.89	418.33	-9,095.38	1,572.12	1,097.41	474.71	3.312		
16,500.00	7,754.96	16,523.81	7,888.99	241.83	240.03	94.89	418.77	-9,195.38	1,572.12	1,092.09	480.04	3.275		
16,600.00	7,754.96	16,623.81	7,888.99	244.50	242.70	94.89	419.20	-9,295.38	1,572.12	1,086.76	485.36	3.239		
16,700.00	7,754.96	16,723.81	7,888.99	247.18	245.37	94.89	419.64	-9,395.38	1,572.12	1,081.44	490.69	3.204		
16,800.00	7,754.96	16,823.81	7,888.99	249.85	248.04	94.89	420.08	-9,495.38	1,572.12	1,076.11	496.01	3.170		
16,900.00	7,754.96	16,923.81	7,888.99	252.52	250.71	94.89	420.51	-9,595.38	1,572.12	1,070.78	501.34	3.136		
17,000.00	7,754.96	17,023.81	7,888.99	255.19	253.38	94.89	420.95	-9,695.38	1,572.12	1,065.45	506.67	3.103		
17,100.00	7,754.96	17,123.81	7,888.99	257.86	256.05	94.89	421.39	-9,795.37	1,572.12	1,060.13	512.00	3.071		
17,200.00	7,754.96	17,223.81	7,888.99	260.54	258.73	94.89	421.83	-9,895.37	1,572.12	1,054.80	517.33	3.039		
17,300.00	7,754.96	17,323.81	7,888.99	263.21	261.40	94.89	422.26	-9,995.37	1,572.13	1,049.47	522.66	3.008		
17,400.00	7,754.96	17,423.81	7,888.99	265.88	264.07	94.89	422.70	-10,095.37	1,572.13	1,044.13	527.99	2.978		
17,500.00	7,754.96	17,523.81	7,888.99	268.56	266.75	94.89	423.14	-10,195.37	1,572.13	1,038.80	533.32	2.948		
17,600.00	7,754.95	17,623.81	7,888.99	271.23	269.42	94.89	423.58	-10,295.37	1,572.13	1,033.47	538.66	2.919		
17,700.00	7,754.95	17,723.81	7,888.99	273.91	272.09	94.89	424.01	-10,395.37	1,572.13	1,028.14	543.99	2.890		
17,800.00	7,754.95	17,823.81	7,888.99	276.58	274.77	94.89	424.45	-10,495.37	1,572.13	1,022.80	549.32	2.862		
17,890.11	7,755.00	17,918.41	7,889.00	278.99	277.30	94.89	424.81	-10,589.97	1,572.08	1,017.81	554.27	2.836 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-143.44	143.44					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-143.44	143.44	143.17	0.27	533.513		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-143.44	143.44	142.45	0.99	145.504		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-143.44	143.44	141.73	1.70	84.239		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-143.44	143.44	141.02	2.42	59.279		
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-143.44	143.44	140.30	3.14	45.730		
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-143.44	143.44	139.58	3.85	37.222		
700.00	700.00	700.00	700.00	2.29	2.29	-90.00	0.00	-143.44	143.44	138.87	4.57	31.383		
800.00	799.98	800.02	799.98	2.63	2.64	74.89	0.00	-143.44	142.97	137.70	5.27	27.129		
900.00	899.84	900.16	899.84	2.96	3.00	76.96	0.00	-143.44	141.70	135.74	5.96	23.775		
1,000.00	999.45	1,000.55	999.45	3.30	3.36	80.45	0.00	-143.44	139.98	133.32	6.66	21.011		
1,100.00	1,098.70	1,101.30	1,098.70	3.66	3.72	85.43	0.00	-143.44	138.47	131.09	7.38	18.759		
1,173.43	1,171.28	1,171.28	1,171.28	3.94	3.97	90.00	0.00	-143.44	138.02	130.11	7.91	17.447 CC		
1,200.00	1,197.47	1,197.47	1,197.47	4.04	4.07	91.84	0.00	-143.44	138.10	129.99	8.11	17.037		
1,294.51	1,290.25	1,286.57	1,286.56	4.42	4.38	98.47	-0.12	-144.74	141.02	132.22	8.79	16.035		
1,300.00	1,295.62	1,291.73	1,291.72	4.44	4.40	98.87	-0.13	-144.90	141.34	132.51	8.83	15.998		
1,400.00	1,393.48	1,389.73	1,389.66	4.87	4.73	106.00	-0.42	-148.06	148.62	139.04	9.59	15.506		
1,500.00	1,491.33	1,487.77	1,487.65	5.31	5.07	112.40	-0.70	-151.23	158.04	147.70	10.34	15.287		
1,600.00	1,589.19	1,585.81	1,585.64	5.76	5.41	118.04	-0.99	-154.39	169.23	158.14	11.09	15.262		
1,700.00	1,687.04	1,683.85	1,683.63	6.22	5.76	122.95	-1.27	-157.55	181.87	170.03	11.83	15.369		
1,800.00	1,784.90	1,781.89	1,781.62	6.68	6.10	127.21	-1.56	-160.72	195.68	183.10	12.57	15.562		
1,900.00	1,882.75	1,879.94	1,879.61	7.15	6.45	130.91	-1.84	-163.88	210.43	197.12	13.31	15.809		
2,000.00	1,980.61	1,977.98	1,977.60	7.63	6.79	134.11	-2.13	-167.05	225.93	211.89	14.04	16.088		
2,100.00	2,078.46	2,076.02	2,075.59	8.11	7.14	136.91	-2.41	-170.21	242.04	227.27	14.77	16.383		
2,200.00	2,176.31	2,174.06	2,173.58	8.59	7.49	139.35	-2.70	-173.37	258.65	243.15	15.50	16.684		
2,300.00	2,274.17	2,272.10	2,271.57	9.07	7.84	141.50	-2.98	-176.54	275.67	259.44	16.23	16.985		
2,400.00	2,372.02	2,370.14	2,369.56	9.56	8.19	143.39	-3.27	-179.70	293.02	276.07	16.96	17.279		
2,500.00	2,469.88	2,468.19	2,467.55	10.04	8.54	145.08	-3.55	-182.87	310.65	292.97	17.68	17.566		
2,600.00	2,567.73	2,566.23	2,565.54	10.53	8.89	146.59	-3.84	-186.03	328.52	310.11	18.41	17.843		
2,700.00	2,665.59	2,664.27	2,663.53	11.02	9.24	147.94	-4.12	-189.19	346.58	327.45	19.14	18.109		
2,800.00	2,763.44	2,762.31	2,761.52	11.52	9.59	149.15	-4.41	-192.36	364.82	344.95	19.87	18.364		
2,900.00	2,861.29	2,860.35	2,859.51	12.01	9.94	150.25	-4.69	-195.52	383.19	362.60	20.59	18.607		
3,000.00	2,959.15	2,958.39	2,957.50	12.50	10.29	151.25	-4.98	-198.69	401.70	380.37	21.32	18.839		
3,100.00	3,057.00	3,056.44	3,055.49	13.00	10.64	152.17	-5.26	-201.85	420.31	398.26	22.05	19.061		
3,200.00	3,154.86	3,154.48	3,153.48	13.49	11.00	153.00	-5.55	-205.02	439.01	416.23	22.78	19.272		
3,300.00	3,252.71	3,252.52	3,251.47	13.99	11.35	153.77	-5.83	-208.18	457.80	434.29	23.51	19.474		
3,400.00	3,350.57	3,350.56	3,349.46	14.48	11.70	154.47	-6.12	-211.34	476.66	452.42	24.24	19.666		
3,500.00	3,448.42	3,448.60	3,447.45	14.98	12.06	155.13	-6.40	-214.51	495.59	470.62	24.97	19.848		
3,600.00	3,546.28	3,546.64	3,545.44	15.48	12.41	155.73	-6.69	-217.67	514.57	488.87	25.70	20.023		
3,700.00	3,644.13	3,644.69	3,643.43	15.98	12.76	156.29	-6.97	-220.84	533.60	507.17	26.43	20.189		
3,800.00	3,741.98	3,742.73	3,741.42	16.47	13.11	156.82	-7.26	-224.00	552.68	525.52	27.16	20.348		
3,900.00	3,839.84	3,840.77	3,839.41	16.97	13.47	157.30	-7.54	-227.16	571.81	543.91	27.89	20.500		
4,000.00	3,937.69	3,938.81	3,937.40	17.47	13.82	157.76	-7.83	-230.33	590.97	562.34	28.62	20.646		
4,100.00	4,035.55	4,036.85	4,035.39	17.97	14.18	158.19	-8.11	-233.49	610.16	580.80	29.36	20.784		
4,200.00	4,133.40	4,134.89	4,133.38	18.47	14.53	158.59	-8.40	-236.66	629.39	599.30	30.09	20.917		
4,300.00	4,231.26	4,232.93	4,231.37	18.97	14.88	158.97	-8.69	-239.82	648.64	617.82	30.82	21.045		
4,400.00	4,329.11	4,330.98	4,329.36	19.47	15.24	159.33	-8.97	-242.98	667.92	636.36	31.56	21.167		
4,500.00	4,426.97	4,429.02	4,427.36	19.97	15.59	159.66	-9.26	-246.15	687.22	654.93	32.29	21.284		
4,600.00	4,524.82	4,527.06	4,525.35	20.47	15.95	159.98	-9.54	-249.31	706.54	673.52	33.02	21.396		
4,700.00	4,622.67	4,625.10	4,623.34	20.97	16.30	160.28	-9.83	-252.48	725.89	692.13	33.76	21.504		
4,800.00	4,720.53	4,723.14	4,721.33	21.47	16.65	160.57	-10.11	-255.64	745.25	710.76	34.49	21.608		
4,900.00	4,818.38	4,821.18	4,819.32	21.97	17.01	160.84	-10.40	-258.80	764.63	729.40	35.22	21.707		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,919.23	4,917.31	22.47	17.36	161.10	-10.68	-261.97	784.02	748.06	35.96	21.803		
5,100.00	5,014.09	5,017.27	5,015.30	22.98	17.72	161.34	-10.97	-265.13	803.43	766.74	36.69	21.896		
5,200.00	5,111.95	5,115.31	5,113.29	23.48	18.07	161.58	-11.25	-268.30	822.86	785.43	37.43	21.984		
5,300.00	5,209.80	5,213.35	5,211.28	23.98	18.43	161.80	-11.54	-271.46	842.29	804.13	38.16	22.070		
5,400.00	5,307.66	5,311.39	5,309.27	24.48	18.78	162.01	-11.82	-274.62	861.74	822.84	38.90	22.153		
5,500.00	5,405.51	5,409.43	5,407.26	24.98	19.14	162.21	-12.11	-277.79	881.20	841.56	39.63	22.233		
5,600.00	5,503.36	5,507.48	5,505.25	25.48	19.49	162.41	-12.39	-280.95	900.66	860.29	40.37	22.310		
5,700.00	5,601.22	5,605.52	5,603.24	25.99	19.85	162.60	-12.68	-284.12	920.14	879.04	41.11	22.384		
5,800.00	5,699.07	5,703.56	5,701.23	26.49	20.20	162.77	-12.96	-287.28	939.63	897.79	41.84	22.456		
5,900.00	5,796.93	5,801.60	5,799.22	26.99	20.56	162.95	-13.25	-290.45	959.12	916.55	42.58	22.526		
6,000.00	5,894.78	5,900.36	5,897.21	27.49	20.91	163.11	-13.53	-293.61	978.63	935.31	43.32	22.592		
6,100.00	5,992.64	6,002.32	5,995.20	27.99	21.28	163.27	-13.82	-296.77	998.14	954.07	44.07	22.650		
6,200.00	6,090.49	6,104.27	6,093.19	28.50	21.65	163.42	-14.10	-299.94	1,017.66	972.84	44.82	22.706		
6,300.00	6,188.35	6,206.23	6,191.18	29.00	22.02	163.57	-14.39	-303.10	1,037.18	991.61	45.57	22.760		
6,400.00	6,286.20	6,308.19	6,289.17	29.50	22.39	163.71	-14.67	-306.27	1,056.71	1,010.39	46.32	22.813		
6,500.00	6,384.05	6,389.85	6,387.16	30.00	22.69	163.84	-14.96	-309.43	1,076.25	1,029.25	47.00	22.899		
6,600.00	6,481.91	6,487.89	6,485.15	30.51	23.04	163.98	-15.24	-312.59	1,095.79	1,048.05	47.74	22.955		
6,681.59	6,561.75	6,567.88	6,565.10	30.92	23.33	164.08	-15.48	-315.18	1,111.74	1,063.40	48.34	22.999		
6,700.00	6,579.77	6,585.95	6,583.15	31.01	23.40	164.12	-15.53	-315.76	1,115.28	1,066.81	48.47	23.008		
6,800.00	6,678.09	6,684.42	6,681.57	31.48	23.75	164.31	-15.81	-318.94	1,132.57	1,083.37	49.21	23.016		
6,900.00	6,776.98	6,783.43	6,780.53	31.92	24.11	164.42	-16.10	-322.13	1,146.55	1,096.61	49.94	22.960		
7,000.00	6,876.33	6,882.86	6,879.90	32.32	24.47	164.47	-16.39	-325.34	1,157.19	1,106.53	50.66	22.841		
7,100.00	6,976.01	6,982.58	6,979.57	32.69	24.83	164.45	-16.68	-328.56	1,164.48	1,113.10	51.38	22.664		
7,200.00	7,075.91	7,081.74	7,078.68	33.01	25.19	164.38	-16.96	-331.69	1,168.42	1,116.34	52.08	22.433		
7,276.10	7,152.00	7,155.06	7,152.00	33.22	25.45	0.14	-17.05	-332.63	1,169.31	1,116.73	52.58	22.239		
7,299.99	7,175.89	7,178.95	7,175.89	33.28	25.53	0.14	-17.05	-332.63	1,169.31	1,116.57	52.73	22.174		
7,306.10	7,182.00	7,185.06	7,182.00	33.29	25.55	0.14	-17.05	-332.63	1,169.31	1,116.53	52.77	22.158		
7,350.00	7,225.86	7,228.79	7,225.69	33.41	25.71	89.89	-17.04	-334.29	1,169.30	1,116.23	53.07	22.033		
7,400.00	7,275.48	7,278.60	7,275.12	33.56	25.90	89.89	-17.02	-340.24	1,169.30	1,115.87	53.44	21.883		
7,450.00	7,324.39	7,328.40	7,323.85	33.72	26.10	89.89	-16.97	-350.46	1,169.30	1,115.49	53.82	21.727		
7,500.00	7,372.22	7,378.22	7,371.52	33.88	26.30	89.90	-16.91	-364.88	1,169.30	1,115.09	54.22	21.566		
7,550.00	7,418.60	7,428.03	7,417.76	34.05	26.52	89.90	-16.83	-383.37	1,169.30	1,114.66	54.64	21.400		
7,600.00	7,463.18	7,477.86	7,462.22	34.23	26.74	89.90	-16.73	-405.82	1,169.30	1,114.22	55.09	21.226		
7,650.00	7,505.62	7,527.69	7,504.57	34.42	26.98	89.91	-16.61	-432.05	1,169.30	1,113.74	55.56	21.044		
7,700.00	7,545.60	7,577.54	7,544.50	34.61	27.24	89.91	-16.48	-461.86	1,169.30	1,113.23	56.08	20.852		
7,750.00	7,582.81	7,627.39	7,581.69	34.81	27.52	89.92	-16.34	-495.04	1,169.30	1,112.67	56.64	20.646		
7,800.00	7,616.97	7,677.25	7,615.86	35.03	27.82	89.93	-16.18	-531.33	1,169.30	1,112.05	57.25	20.423		
7,850.00	7,647.83	7,727.13	7,646.76	35.25	28.16	89.94	-16.01	-570.47	1,169.30	1,111.37	57.94	20.183		
7,900.00	7,675.13	7,777.03	7,674.14	35.50	28.53	89.94	-15.83	-612.15	1,169.30	1,110.61	58.69	19.922		
7,950.00	7,698.69	7,826.93	7,697.81	35.76	28.94	89.95	-15.64	-656.08	1,169.30	1,109.77	59.54	19.640		
8,000.00	7,718.31	7,876.85	7,717.56	36.05	29.40	89.96	-15.44	-701.91	1,169.30	1,108.84	60.47	19.338		
8,050.00	7,733.85	7,926.79	7,733.26	36.38	29.90	89.97	-15.23	-749.29	1,169.30	1,107.81	61.49	19.016		
8,100.00	7,745.19	7,976.75	7,744.78	36.74	30.44	89.98	-15.02	-797.89	1,169.30	1,106.71	62.60	18.680		
8,150.00	7,752.25	8,026.72	7,752.03	37.13	31.03	89.99	-14.80	-847.31	1,169.30	1,105.52	63.79	18.332		
8,200.00	7,754.97	8,076.71	7,754.94	37.57	31.64	90.00	-14.58	-897.20	1,169.30	1,104.26	65.04	17.978		
8,206.17	7,755.00	8,082.88	7,755.00	37.63	31.72	90.00	-14.56	-903.37	1,169.30	1,104.10	65.20	17.934		
8,300.00	7,755.00	8,176.71	7,755.00	38.57	33.00	90.00	-14.15	-997.20	1,169.30	1,101.51	67.79	17.249		
8,400.00	7,755.00	8,276.71	7,755.00	39.75	34.51	90.00	-13.71	-1,097.20	1,169.30	1,098.47	70.83	16.508		
8,500.00	7,755.00	8,376.71	7,755.00	41.10	36.15	90.00	-13.27	-1,197.20	1,169.30	1,095.16	74.14	15.772		
8,600.00	7,755.00	8,476.71	7,755.00	42.59	37.91	90.00	-12.84	-1,297.20	1,169.30	1,091.62	77.68	15.053		
8,700.00	7,755.00	8,576.71	7,755.00	44.23	39.78	90.00	-12.40	-1,397.20	1,169.30	1,087.88	81.42	14.361		
8,800.00	7,755.00	8,676.71	7,755.00	45.98	41.73	90.00	-11.96	-1,497.19	1,169.30	1,083.96	85.34	13.702		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - JAMASO 4-6S 5-6-6 - ORIGINAL WELLBORE - PROPOSAL 1		Offset Site Error:		0.00 usft	
Survey Program: 0-MWD OWSG													Offset Well Error:		0.00 usft			
Reference		Offset		Semi Major Axis		Distance								Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor							
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)							
8,900.00	7,755.00	8,776.71	7,755.00	47.83	43.77	90.00	-11.52	-1,597.19	1,169.30	1,079.89	89.41	13.078						
9,000.00	7,755.00	8,876.71	7,755.00	49.78	45.87	90.00	-11.09	-1,697.19	1,169.30	1,075.69	93.61	12.491						
9,100.00	7,755.00	8,976.71	7,755.00	51.80	48.03	90.00	-10.65	-1,797.19	1,169.30	1,071.37	97.93	11.940						
9,200.00	7,755.00	9,076.71	7,755.00	53.88	50.24	90.00	-10.21	-1,897.19	1,169.30	1,066.95	102.35	11.424						
9,300.00	7,754.99	9,176.71	7,755.00	56.03	52.50	90.00	-9.78	-1,997.19	1,169.30	1,062.44	106.86	10.942						
9,400.00	7,754.99	9,276.71	7,755.00	58.22	54.79	90.00	-9.34	-2,097.19	1,169.30	1,057.86	111.45	10.492						
9,500.00	7,754.99	9,376.71	7,755.00	60.46	57.12	90.00	-8.90	-2,197.19	1,169.30	1,053.20	116.10	10.071						
9,600.00	7,754.99	9,476.71	7,755.00	62.74	59.48	90.00	-8.47	-2,297.19	1,169.30	1,048.49	120.82	9.678						
9,700.00	7,754.99	9,576.71	7,755.00	65.05	61.87	90.00	-8.03	-2,397.19	1,169.30	1,043.72	125.59	9.311						
9,800.00	7,754.99	9,676.71	7,755.00	67.39	64.28	90.00	-7.59	-2,497.19	1,169.30	1,038.90	130.40	8.967						
9,900.00	7,754.99	9,776.71	7,755.00	69.76	66.71	90.00	-7.16	-2,597.18	1,169.30	1,034.04	135.26	8.645						
10,000.00	7,754.99	9,876.71	7,755.00	72.15	69.17	90.00	-6.72	-2,697.18	1,169.30	1,029.14	140.16	8.343						
10,100.00	7,754.99	9,976.71	7,755.00	74.56	71.63	90.00	-6.28	-2,797.18	1,169.30	1,024.21	145.09	8.059						
10,200.00	7,754.99	10,076.71	7,755.00	77.00	74.12	90.00	-5.85	-2,897.18	1,169.30	1,019.25	150.06	7.792						
10,300.00	7,754.99	10,176.71	7,755.00	79.45	76.62	90.00	-5.41	-2,997.18	1,169.30	1,014.26	155.05	7.542						
10,400.00	7,754.99	10,276.71	7,755.00	81.92	79.13	90.00	-4.97	-3,097.18	1,169.30	1,009.24	160.06	7.305						
10,500.00	7,754.99	10,376.71	7,755.00	84.40	81.65	90.00	-4.54	-3,197.18	1,169.30	1,004.20	165.10	7.082						
10,600.00	7,754.99	10,476.71	7,755.00	86.89	84.18	90.00	-4.10	-3,297.18	1,169.30	999.14	170.16	6.872						
10,700.00	7,754.99	10,576.71	7,755.00	89.40	86.72	90.00	-3.66	-3,397.18	1,169.30	994.06	175.24	6.672						
10,800.00	7,754.99	10,676.71	7,755.00	91.92	89.27	90.00	-3.23	-3,497.18	1,169.30	988.96	180.34	6.484						
10,900.00	7,754.99	10,776.71	7,755.00	94.44	91.83	90.00	-2.79	-3,597.17	1,169.30	983.85	185.45	6.305						
11,000.00	7,754.99	10,876.71	7,755.00	96.98	94.40	90.00	-2.35	-3,697.17	1,169.30	978.72	190.58	6.135						
11,100.00	7,754.99	10,976.71	7,755.00	99.53	96.97	90.00	-1.92	-3,797.17	1,169.30	973.58	195.72	5.974						
11,200.00	7,754.99	11,076.71	7,755.00	102.08	99.55	90.00	-1.48	-3,897.17	1,169.30	968.42	200.88	5.821						
11,300.00	7,754.99	11,176.71	7,755.00	104.64	102.13	90.00	-1.04	-3,997.17	1,169.30	963.26	206.05	5.675						
11,400.00	7,754.98	11,276.71	7,755.00	107.21	104.72	90.00	-0.61	-4,097.17	1,169.30	958.08	211.22	5.536						
11,500.00	7,754.98	11,376.71	7,755.00	109.78	107.32	90.00	-0.17	-4,197.17	1,169.30	952.89	216.41	5.403						
11,600.00	7,754.98	11,476.71	7,755.00	112.36	109.92	90.00	0.27	-4,297.17	1,169.30	947.69	221.61	5.276						
11,700.00	7,754.98	11,576.71	7,755.00	114.94	112.52	90.00	0.71	-4,397.17	1,169.30	942.49	226.81	5.155						
11,800.00	7,754.98	11,676.71	7,755.00	117.53	115.13	90.00	1.14	-4,497.17	1,169.30	937.28	232.03	5.040						
11,900.00	7,754.98	11,776.71	7,755.00	120.13	117.74	90.00	1.58	-4,597.17	1,169.30	932.05	237.25	4.929						
12,000.00	7,754.98	11,876.71	7,755.00	122.73	120.35	90.00	2.02	-4,697.16	1,169.30	926.83	242.47	4.822						
12,100.00	7,754.98	11,976.71	7,755.00	125.33	122.97	90.00	2.45	-4,797.16	1,169.30	921.59	247.71	4.720						
12,200.00	7,754.98	12,076.71	7,755.00	127.93	125.59	90.00	2.89	-4,897.16	1,169.30	916.35	252.95	4.623						
12,300.00	7,754.98	12,176.71	7,755.00	130.54	128.22	90.00	3.33	-4,997.16	1,169.30	911.10	258.20	4.529						
12,400.00	7,754.98	12,276.71	7,755.00	133.16	130.84	90.00	3.76	-5,097.16	1,169.30	905.85	263.45	4.438						
12,500.00	7,754.98	12,376.71	7,755.00	135.77	133.47	90.00	4.20	-5,197.16	1,169.30	900.59	268.71	4.352						
12,600.00	7,754.98	12,476.71	7,755.00	138.39	136.10	90.00	4.64	-5,297.16	1,169.30	895.33	273.97	4.268						
12,700.00	7,754.98	12,576.71	7,755.00	141.02	138.74	90.00	5.07	-5,397.16	1,169.30	890.06	279.24	4.187						
12,800.00	7,754.98	12,676.71	7,755.00	143.64	141.37	90.00	5.51	-5,497.16	1,169.30	884.79	284.51	4.110						
12,900.00	7,754.98	12,776.71	7,755.00	146.27	144.01	90.00	5.95	-5,597.16	1,169.30	879.52	289.78	4.035						
13,000.00	7,754.98	12,876.71	7,755.00	148.90	146.65	90.00	6.38	-5,697.15	1,169.30	874.24	295.06	3.963						
13,100.00	7,754.98	12,976.71	7,754.99	151.53	149.29	90.00	6.82	-5,797.15	1,169.30	868.96	300.35	3.893						
13,200.00	7,754.98	13,076.71	7,754.99	154.17	151.94	90.00	7.26	-5,897.15	1,169.30	863.67	305.63	3.826						
13,300.00	7,754.98	13,176.71	7,754.99	156.80	154.58	90.00	7.69	-5,997.15	1,169.30	858.38	310.92	3.761						
13,400.00	7,754.98	13,276.71	7,754.99	159.44	157.23	90.00	8.13	-6,097.15	1,169.30	853.09	316.21	3.698						
13,500.00	7,754.97	13,376.71	7,754.99	162.08	159.87	90.00	8.57	-6,197.15	1,169.30	847.79	321.51	3.637						
13,600.00	7,754.97	13,476.71	7,754.99	164.72	162.52	90.00	9.00	-6,297.15	1,169.30	842.49	326.81	3.578						
13,700.00	7,754.97	13,576.71	7,754.99	167.37	165.17	90.00	9.44	-6,397.15	1,169.30	837.19	332.11	3.521						
13,800.00	7,754.97	13,676.71	7,754.99	170.01	167.82	90.00	9.88	-6,497.15	1,169.30	831.89	337.41	3.465						
13,900.00	7,754.97	13,776.71	7,754.99	172.66	170.48	90.00	10.31	-6,597.15	1,169.30	826.58	342.72	3.412						
14,000.00	7,754.97	13,876.71	7,754.99	175.31	173.13	90.00	10.75	-6,697.15	1,169.30	821.27	348.03	3.360						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,754.97	13,976.71	7,754.99	177.95	175.79	90.00	11.19	-6,797.14	1,169.30	815.96	353.34	3.309		
14,200.00	7,754.97	14,076.71	7,754.99	180.61	178.44	90.00	11.63	-6,897.14	1,169.30	810.65	358.65	3.260		
14,300.00	7,754.97	14,176.71	7,754.99	183.26	181.10	90.00	12.06	-6,997.14	1,169.30	805.33	363.97	3.213		
14,400.00	7,754.97	14,276.71	7,754.99	185.91	183.76	90.00	12.50	-7,097.14	1,169.30	800.01	369.29	3.166		
14,500.00	7,754.97	14,376.71	7,754.99	188.56	186.42	90.00	12.94	-7,197.14	1,169.30	794.70	374.61	3.121		
14,600.00	7,754.97	14,476.71	7,754.99	191.22	189.08	90.00	13.37	-7,297.14	1,169.30	789.37	379.93	3.078		
14,700.00	7,754.97	14,576.71	7,754.99	193.88	191.74	90.00	13.81	-7,397.14	1,169.30	784.05	385.25	3.035		
14,800.00	7,754.97	14,676.71	7,754.99	196.53	194.40	90.00	14.25	-7,497.14	1,169.30	778.73	390.57	2.994		
14,900.00	7,754.97	14,776.71	7,754.99	199.19	197.06	90.00	14.68	-7,597.14	1,169.30	773.40	395.90	2.954		
15,000.00	7,754.97	14,876.71	7,754.99	201.85	199.72	90.00	15.12	-7,697.14	1,169.30	768.07	401.23	2.914		
15,100.00	7,754.97	14,976.71	7,754.99	204.51	202.39	90.00	15.56	-7,797.13	1,169.30	762.75	406.56	2.876		
15,200.00	7,754.97	15,076.71	7,754.99	207.17	205.05	90.00	15.99	-7,897.13	1,169.30	757.41	411.89	2.839		
15,300.00	7,754.97	15,176.71	7,754.99	209.84	207.72	90.00	16.43	-7,997.13	1,169.30	752.08	417.22	2.803		
15,400.00	7,754.97	15,276.71	7,754.99	212.50	210.38	90.00	16.87	-8,097.13	1,169.30	746.75	422.55	2.767		
15,500.00	7,754.96	15,376.71	7,754.99	215.16	213.05	90.00	17.30	-8,197.13	1,169.30	741.42	427.88	2.733		
15,600.00	7,754.96	15,476.71	7,754.99	217.83	215.72	90.00	17.74	-8,297.13	1,169.30	736.08	433.22	2.699		
15,700.00	7,754.96	15,576.71	7,754.99	220.49	218.38	90.00	18.18	-8,397.13	1,169.30	730.74	438.56	2.666		
15,800.00	7,754.96	15,676.71	7,754.99	223.16	221.05	90.00	18.61	-8,497.13	1,169.30	725.41	443.89	2.634		
15,900.00	7,754.96	15,776.71	7,754.99	225.82	223.72	90.00	19.05	-8,597.13	1,169.30	720.07	449.23	2.603		
16,000.00	7,754.96	15,876.71	7,754.99	228.49	226.39	90.00	19.49	-8,697.13	1,169.30	714.73	454.57	2.572		
16,100.00	7,754.96	15,976.71	7,754.99	231.16	229.06	90.00	19.92	-8,797.13	1,169.30	709.39	459.91	2.542		
16,200.00	7,754.96	16,076.71	7,754.99	233.83	231.73	90.00	20.36	-8,897.12	1,169.30	704.05	465.25	2.513		
16,300.00	7,754.96	16,176.71	7,754.99	236.50	234.40	90.00	20.80	-8,997.12	1,169.30	698.70	470.60	2.485		
16,400.00	7,754.96	16,276.71	7,754.99	239.16	237.07	90.00	21.23	-9,097.12	1,169.30	693.36	475.94	2.457		
16,500.00	7,754.96	16,376.71	7,754.99	241.83	239.74	90.00	21.67	-9,197.12	1,169.30	688.01	481.29	2.430		
16,600.00	7,754.96	16,476.71	7,754.99	244.50	242.41	90.00	22.11	-9,297.12	1,169.30	682.67	486.63	2.403		
16,700.00	7,754.96	16,576.71	7,754.99	247.18	245.08	90.00	22.55	-9,397.12	1,169.30	677.32	491.98	2.377		
16,800.00	7,754.96	16,676.71	7,754.99	249.85	247.76	90.00	22.98	-9,497.12	1,169.30	671.98	497.32	2.351		
16,900.00	7,754.96	16,776.71	7,754.99	252.52	250.43	90.00	23.42	-9,597.12	1,169.30	666.63	502.67	2.326		
17,000.00	7,754.96	16,876.71	7,754.99	255.19	253.10	90.00	23.86	-9,697.12	1,169.30	661.28	508.02	2.302		
17,100.00	7,754.96	16,976.71	7,754.99	257.86	255.78	90.00	24.29	-9,797.12	1,169.30	655.93	513.37	2.278		
17,200.00	7,754.96	17,076.71	7,754.99	260.54	258.45	90.00	24.73	-9,897.11	1,169.30	650.58	518.72	2.254		
17,300.00	7,754.96	17,176.71	7,754.99	263.21	261.12	90.00	25.17	-9,997.11	1,169.30	645.23	524.07	2.231		
17,400.00	7,754.96	17,276.71	7,754.99	265.88	263.80	90.00	25.60	-10,097.11	1,169.30	639.88	529.42	2.209		
17,500.00	7,754.96	17,376.71	7,754.99	268.56	266.47	90.00	26.04	-10,197.11	1,169.30	634.53	534.77	2.187		
17,600.00	7,754.95	17,476.71	7,754.99	271.23	269.15	90.00	26.48	-10,297.11	1,169.30	629.17	540.13	2.165		
17,700.00	7,754.95	17,576.71	7,754.99	273.91	271.82	90.00	26.91	-10,397.11	1,169.30	623.82	545.48	2.144		
17,800.00	7,754.95	17,676.71	7,754.99	276.58	274.50	90.00	27.35	-10,497.11	1,169.30	618.47	550.83	2.123		
17,816.84	7,754.95	144,341.87	7,754.99	277.03	3,663.71	90.00	27.42	-10,513.88	1,169.30	-2,771.20	3,940.49	0.297	Level 1, ES, SF	
17,890.11	7,755.00	17,766.74	7,755.00	278.99	276.91	90.00	27.75	-10,587.14	1,169.30	613.65	555.65	2.104		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-89.99	0.00	-36.56	36.56					
100.00	100.00	100.00	100.00	0.13	0.13	-89.99	0.00	-36.56	36.56	36.29	0.27	135.993		
200.00	200.00	200.00	200.00	0.49	0.49	-89.99	0.00	-36.56	36.56	35.58	0.99	37.089		
300.00	300.00	300.00	300.00	0.85	0.85	-89.99	0.00	-36.56	36.56	34.86	1.70	21.473		
400.00	400.00	400.00	400.00	1.21	1.21	-89.99	0.00	-36.56	36.56	34.14	2.42	15.110		
500.00	500.00	500.00	500.00	1.57	1.57	-89.99	0.00	-36.56	36.56	33.43	3.14	11.657		
600.00	600.00	600.00	600.00	1.93	1.93	-89.99	0.00	-36.56	36.56	32.71	3.85	9.488		
700.00	700.00	700.00	700.00	2.29	2.29	-89.99	0.00	-36.56	36.56	31.99	4.57	8.000		
800.00	799.98	800.02	799.98	2.63	2.64	76.89	0.00	-36.56	36.13	30.86	5.27	6.855		
900.00	899.84	900.16	899.84	2.96	3.00	85.19	0.00	-36.56	35.31	29.35	5.96	5.924		
938.77	938.50	938.50	938.50	3.09	3.14	90.00	0.00	-36.56	35.18	28.95	6.23	5.647 CC		
1,000.00	999.45	1,000.55	999.45	3.30	3.36	99.23	0.00	-36.56	35.65	28.99	6.66	5.351		
1,100.00	1,098.70	1,098.70	1,098.70	3.66	3.71	116.78	0.00	-36.56	39.49	32.12	7.37	5.358		
1,200.00	1,197.47	1,198.06	1,198.04	4.04	4.06	131.47	-1.34	-37.57	48.02	39.95	8.07	5.948		
1,294.51	1,290.25	1,292.33	1,292.19	4.42	4.37	140.13	-5.15	-40.45	59.01	50.28	8.73	6.759		
1,300.00	1,295.62	1,297.82	1,297.66	4.44	4.39	140.52	-5.44	-40.68	59.71	50.94	8.77	6.808		
1,400.00	1,393.48	1,402.71	1,396.82	4.87	4.74	145.50	-11.74	-45.43	72.10	62.61	9.49	7.596		
1,500.00	1,491.33	1,503.61	1,495.59	5.31	5.09	148.86	-18.20	-50.30	84.72	74.51	10.21	8.300		
1,600.00	1,589.19	1,604.52	1,594.35	5.76	5.44	151.35	-24.66	-55.18	97.55	86.62	10.93	8.926		
1,700.00	1,687.04	1,705.42	1,693.12	6.22	5.80	153.25	-31.12	-60.05	110.53	98.87	11.66	9.487		
1,800.00	1,784.90	1,806.33	1,791.88	6.68	6.16	154.76	-37.58	-64.93	123.60	111.21	12.39	9.977		
1,900.00	1,882.75	1,907.23	1,890.64	7.15	6.53	155.97	-44.03	-69.80	136.73	123.61	13.12	10.419		
2,000.00	1,980.61	2,008.13	1,989.41	7.63	6.90	156.98	-50.49	-74.68	149.92	136.06	13.86	10.816		
2,100.00	2,078.46	2,109.04	2,088.17	8.11	7.27	157.82	-56.95	-79.55	163.14	148.54	14.60	11.173		
2,200.00	2,176.31	2,209.94	2,186.94	8.59	7.64	158.53	-63.41	-84.43	176.40	161.05	15.34	11.496		
2,300.00	2,274.17	2,289.15	2,285.70	9.07	7.94	159.15	-69.87	-89.30	189.68	173.67	16.01	11.847		
2,400.00	2,372.02	2,388.25	2,384.47	9.56	8.30	159.68	-76.33	-94.18	202.97	186.22	16.75	12.118		
2,500.00	2,469.88	2,487.34	2,483.23	10.04	8.67	160.15	-82.78	-99.05	216.28	198.79	17.49	12.366		
2,600.00	2,567.73	2,586.44	2,582.00	10.53	9.04	160.56	-89.24	-103.93	229.61	211.37	18.23	12.593		
2,700.00	2,665.59	2,685.53	2,680.76	11.02	9.42	160.93	-95.70	-108.80	242.94	223.97	18.98	12.803		
2,800.00	2,763.44	2,784.63	2,779.53	11.52	9.79	161.26	-102.16	-113.67	256.28	236.56	19.72	12.996		
2,900.00	2,861.29	2,883.73	2,878.29	12.01	10.16	161.56	-108.62	-118.55	269.63	249.17	20.47	13.175		
3,000.00	2,959.15	2,982.82	2,977.06	12.50	10.54	161.83	-115.07	-123.42	282.99	261.78	21.21	13.342		
3,100.00	3,057.00	3,081.92	3,075.82	13.00	10.91	162.08	-121.53	-128.30	296.35	274.40	21.96	13.496		
3,200.00	3,154.86	3,181.01	3,174.59	13.49	11.29	162.30	-127.99	-133.17	309.72	287.02	22.71	13.641		
3,300.00	3,252.71	3,280.11	3,273.35	13.99	11.66	162.51	-134.45	-138.05	323.09	299.64	23.45	13.776		
3,400.00	3,350.57	3,379.20	3,372.11	14.48	12.04	162.69	-140.91	-142.92	336.47	312.27	24.20	13.903		
3,500.00	3,448.42	3,478.30	3,470.88	14.98	12.42	162.87	-147.36	-147.80	349.85	324.90	24.95	14.021		
3,600.00	3,546.28	3,577.39	3,569.64	15.48	12.79	163.03	-153.82	-152.67	363.23	337.53	25.70	14.133		
3,700.00	3,644.13	3,676.49	3,668.41	15.98	13.17	163.18	-160.28	-157.55	376.61	350.16	26.45	14.239		
3,800.00	3,741.98	3,775.59	3,767.17	16.47	13.55	163.32	-166.74	-162.42	390.00	362.80	27.20	14.338		
3,900.00	3,839.84	3,874.68	3,865.94	16.97	13.93	163.45	-173.20	-167.30	403.39	375.44	27.95	14.432		
4,000.00	3,937.69	3,973.78	3,964.70	17.47	14.30	163.58	-179.66	-172.17	416.78	388.08	28.70	14.521		
4,100.00	4,035.55	4,072.87	4,063.47	17.97	14.68	163.69	-186.11	-177.04	430.17	400.72	29.45	14.605		
4,200.00	4,133.40	4,171.97	4,162.23	18.47	15.06	163.80	-192.57	-181.92	443.57	413.36	30.21	14.685		
4,300.00	4,231.26	4,271.06	4,261.00	18.97	15.44	163.90	-199.03	-186.79	456.96	426.01	30.96	14.761		
4,400.00	4,329.11	4,370.16	4,359.76	19.47	15.82	163.99	-205.49	-191.67	470.36	438.65	31.71	14.834		
4,500.00	4,426.97	4,469.25	4,458.53	19.97	16.20	164.09	-211.95	-196.54	483.76	451.30	32.46	14.903		
4,600.00	4,524.82	4,568.35	4,557.29	20.47	16.58	164.17	-218.40	-201.42	497.16	463.95	33.21	14.968		
4,700.00	4,622.67	4,667.45	4,656.06	20.97	16.96	164.25	-224.86	-206.29	510.56	476.59	33.97	15.031		
4,800.00	4,720.53	4,766.54	4,754.82	21.47	17.34	164.33	-231.32	-211.17	523.96	489.24	34.72	15.091		
4,900.00	4,818.38	4,865.64	4,853.58	21.97	17.72	164.40	-237.78	-216.04	537.36	501.89	35.47	15.149		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	4,964.73	4,952.35	22.47	18.10	164.47	-244.24	-220.92	550.77	514.54	36.23	15.204		
5,100.00	5,014.09	5,063.83	5,051.11	22.98	18.48	164.54	-250.70	-225.79	564.17	527.19	36.98	15.256		
5,200.00	5,111.95	5,162.92	5,149.88	23.48	18.86	164.60	-257.15	-230.67	577.57	539.84	37.73	15.307		
5,300.00	5,209.80	5,262.02	5,248.64	23.98	19.24	164.66	-263.61	-235.54	590.98	552.49	38.49	15.355		
5,400.00	5,307.66	5,361.11	5,347.41	24.48	19.62	164.72	-270.07	-240.41	604.39	565.14	39.24	15.402		
5,500.00	5,405.51	5,460.21	5,446.17	24.98	20.00	164.77	-276.53	-245.29	617.79	577.80	39.99	15.447		
5,600.00	5,503.36	5,559.31	5,544.94	25.48	20.38	164.83	-282.99	-250.16	631.20	590.45	40.75	15.490		
5,700.00	5,601.22	5,658.40	5,643.70	25.99	20.76	164.88	-289.44	-255.04	644.61	603.10	41.50	15.531		
5,800.00	5,699.07	5,757.50	5,742.47	26.49	21.14	164.93	-295.90	-259.91	658.01	615.76	42.26	15.571		
5,900.00	5,796.93	5,856.59	5,841.23	26.99	21.52	164.97	-302.36	-264.79	671.42	628.41	43.01	15.610		
6,000.00	5,894.78	5,955.69	5,940.00	27.49	21.90	165.02	-308.82	-269.66	684.83	641.06	43.77	15.647		
6,100.00	5,992.64	6,054.78	6,038.76	27.99	22.29	165.06	-315.28	-274.54	698.24	653.72	44.52	15.683		
6,200.00	6,090.49	6,153.88	6,137.53	28.50	22.67	165.10	-321.73	-279.41	711.65	666.37	45.28	15.718		
6,300.00	6,188.35	6,252.97	6,236.29	29.00	23.05	165.14	-328.19	-284.29	725.06	679.03	46.03	15.751		
6,400.00	6,286.20	6,352.07	6,335.05	29.50	23.43	165.18	-334.65	-289.16	738.47	691.68	46.79	15.784		
6,500.00	6,384.05	6,451.17	6,433.82	30.00	23.81	165.22	-341.11	-294.04	751.88	704.34	47.54	15.815		
6,600.00	6,481.91	6,550.26	6,532.58	30.51	24.19	165.25	-347.57	-298.91	765.29	717.00	48.30	15.846		
6,681.59	6,561.75	6,631.11	6,613.17	30.92	24.50	165.28	-352.84	-302.89	776.23	727.32	48.91	15.870		
6,700.00	6,579.77	6,649.36	6,631.36	31.01	24.57	165.30	-354.03	-303.78	778.65	729.59	49.05	15.874		
6,800.00	6,678.09	6,748.74	6,730.40	31.48	24.96	165.34	-360.50	-308.67	789.76	739.96	49.80	15.857		
6,900.00	6,776.98	6,848.43	6,829.75	31.92	25.34	165.31	-367.00	-313.58	797.52	746.97	50.55	15.776		
7,000.00	6,876.33	6,948.31	6,929.30	32.32	25.72	165.20	-373.51	-318.49	801.91	750.61	51.30	15.632		
7,100.00	6,976.01	7,048.26	7,028.92	32.69	26.11	165.00	-380.02	-323.41	802.94	750.90	52.04	15.430		
7,200.00	7,075.91	7,142.74	7,123.10	33.01	26.47	164.75	-386.10	-327.99	800.70	747.97	52.73	15.184		
7,276.10	7,152.00	7,204.83	7,185.06	33.22	26.70	0.37	-389.19	-330.33	797.86	744.69	53.17	15.006		
7,299.99	7,175.89	7,224.33	7,204.54	33.28	26.77	0.33	-389.95	-330.90	796.93	743.64	53.30	14.952		
7,306.10	7,182.00	7,229.33	7,209.53	33.29	26.79	0.32	-390.12	-331.03	796.72	743.39	53.33	14.939		
7,350.00	7,225.86	7,265.20	7,245.38	33.41	26.92	90.24	-391.18	-331.83	795.42	741.87	53.56	14.851		
7,400.00	7,275.48	7,305.83	7,285.99	33.56	27.07	90.64	-391.94	-332.40	794.52	740.72	53.80	14.768		
7,439.23	7,313.94	7,337.28	7,317.44	33.68	27.17	91.10	-392.21	-332.61	794.29	740.32	53.97	14.717		
7,450.00	7,324.39	7,345.81	7,325.98	33.72	27.20	91.24	-392.24	-332.63	794.31	740.30	54.01	14.706		
7,500.00	7,372.22	7,392.60	7,372.76	33.88	27.35	92.18	-392.24	-332.72	794.75	740.47	54.27	14.644		
7,550.00	7,418.60	7,443.58	7,423.63	34.05	27.53	93.25	-392.23	-335.85	795.53	740.94	54.60	14.571		
7,600.00	7,463.18	7,496.17	7,475.60	34.23	27.73	94.33	-392.20	-343.80	796.62	741.65	54.97	14.493		
7,650.00	7,505.62	7,550.48	7,528.26	34.42	27.95	95.38	-392.14	-356.98	797.98	742.60	55.38	14.408		
7,700.00	7,545.60	7,606.64	7,581.16	34.61	28.18	96.42	-392.06	-375.79	799.58	743.73	55.85	14.317		
7,750.00	7,582.81	7,664.76	7,633.69	34.81	28.44	97.42	-391.95	-400.60	801.38	745.02	56.36	14.218		
7,800.00	7,616.97	7,724.93	7,685.13	35.03	28.72	98.38	-391.81	-431.75	803.31	746.37	56.94	14.109		
7,850.00	7,647.83	7,787.18	7,734.61	35.25	29.03	99.29	-391.65	-469.48	805.31	747.73	57.58	13.986		
7,900.00	7,675.13	7,851.54	7,781.16	35.50	29.39	100.13	-391.45	-513.87	807.29	748.98	58.31	13.846		
7,950.00	7,698.69	7,917.94	7,823.65	35.76	29.81	100.88	-391.23	-564.85	809.18	750.02	59.16	13.679		
8,000.00	7,718.31	7,986.24	7,860.90	36.05	30.30	101.53	-390.98	-622.04	810.89	750.74	60.15	13.481		
8,050.00	7,733.85	8,056.24	7,891.75	36.38	30.88	102.07	-390.71	-684.83	812.34	751.02	61.31	13.249		
8,100.00	7,745.19	8,127.63	7,915.09	36.74	31.58	102.47	-390.41	-752.25	813.45	750.76	62.69	12.976		
8,150.00	7,752.25	8,200.02	7,930.02	37.13	32.37	102.73	-390.10	-823.04	814.18	749.92	64.25	12.671		
8,200.00	7,754.97	8,272.98	7,935.91	37.57	33.25	102.84	-389.79	-895.71	814.47	748.46	66.01	12.339		
8,206.17	7,755.00	8,282.00	7,936.00	37.63	33.36	102.84	-389.75	-904.72	814.48	748.24	66.23	12.297		
8,300.00	7,755.00	8,376.12	7,936.00	38.57	34.65	102.84	-389.33	-998.84	814.48	745.66	68.81	11.836		
8,400.00	7,755.00	8,476.12	7,936.00	39.75	36.15	102.84	-388.90	-1,098.84	814.48	742.66	71.81	11.342		
8,500.00	7,755.00	8,576.12	7,936.00	41.10	37.78	102.84	-388.46	-1,198.84	814.48	739.41	75.06	10.851		
8,600.00	7,755.00	8,676.12	7,935.99	42.59	39.54	102.84	-388.02	-1,298.84	814.48	735.95	78.53	10.372		
8,700.00	7,755.00	8,776.12	7,935.99	44.23	41.39	102.84	-387.59	-1,398.84	814.48	732.29	82.19	9.910		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.00	7,755.00	8,876.12	7,935.99	45.98	43.34	102.84	-387.15	-1,498.84	814.47	728.47	86.01	9.470		
8,900.00	7,755.00	8,976.12	7,935.99	47.83	45.36	102.84	-386.71	-1,598.83	814.47	724.50	89.98	9.052		
9,000.00	7,755.00	9,076.12	7,935.99	49.78	47.45	102.84	-386.28	-1,698.83	814.47	720.40	94.07	8.658		
9,100.00	7,755.00	9,176.12	7,935.99	51.80	49.60	102.84	-385.84	-1,798.83	814.47	716.20	98.28	8.288		
9,200.00	7,755.00	9,276.12	7,935.99	53.88	51.80	102.84	-385.40	-1,898.83	814.47	711.89	102.58	7.940		
9,300.00	7,754.99	9,376.12	7,935.98	56.03	54.04	102.84	-384.97	-1,998.83	814.47	707.51	106.97	7.614		
9,400.00	7,754.99	9,476.12	7,935.98	58.22	56.32	102.84	-384.53	-2,098.83	814.47	703.04	111.43	7.309		
9,500.00	7,754.99	9,576.12	7,935.98	60.46	58.64	102.84	-384.09	-2,198.83	814.47	698.51	115.96	7.024		
9,600.00	7,754.99	9,676.12	7,935.98	62.74	60.99	102.84	-383.66	-2,298.83	814.47	693.92	120.55	6.756		
9,700.00	7,754.99	9,776.12	7,935.98	65.05	63.37	102.84	-383.22	-2,398.83	814.47	689.28	125.19	6.506		
9,800.00	7,754.99	9,876.12	7,935.98	67.39	65.77	102.84	-382.78	-2,498.83	814.47	684.59	129.88	6.271		
9,900.00	7,754.99	9,976.12	7,935.98	69.76	68.19	102.84	-382.35	-2,598.83	814.47	679.86	134.61	6.051		
10,000.00	7,754.99	10,076.12	7,935.97	72.15	70.63	102.84	-381.91	-2,698.82	814.47	675.09	139.38	5.844		
10,100.00	7,754.99	10,176.12	7,935.97	74.56	73.09	102.84	-381.47	-2,798.82	814.47	670.29	144.18	5.649		
10,200.00	7,754.99	10,276.12	7,935.97	77.00	75.57	102.84	-381.03	-2,898.82	814.47	665.46	149.01	5.466		
10,300.00	7,754.99	10,376.12	7,935.97	79.45	78.06	102.84	-380.60	-2,998.82	814.47	660.60	153.88	5.293		
10,400.00	7,754.99	10,476.12	7,935.97	81.92	80.56	102.84	-380.16	-3,098.82	814.47	655.71	158.76	5.130		
10,500.00	7,754.99	10,576.12	7,935.97	84.40	83.07	102.84	-379.72	-3,198.82	814.47	650.80	163.67	4.976		
10,600.00	7,754.99	10,676.12	7,935.97	86.89	85.60	102.84	-379.29	-3,298.82	814.47	645.87	168.60	4.831		
10,700.00	7,754.99	10,776.12	7,935.96	89.40	88.13	102.84	-378.85	-3,398.82	814.47	640.92	173.55	4.693		
10,800.00	7,754.99	10,876.12	7,935.96	91.92	90.67	102.84	-378.41	-3,498.82	814.47	635.95	178.52	4.562		
10,900.00	7,754.99	10,976.12	7,935.96	94.44	93.23	102.84	-377.98	-3,598.82	814.47	630.97	183.50	4.438		
11,000.00	7,754.99	11,076.12	7,935.96	96.98	95.79	102.84	-377.54	-3,698.81	814.47	625.97	188.50	4.321		
11,100.00	7,754.99	11,176.12	7,935.96	99.53	98.35	102.84	-377.10	-3,798.81	814.47	620.96	193.51	4.209		
11,200.00	7,754.99	11,276.12	7,935.96	102.08	100.92	102.84	-376.67	-3,898.81	814.47	615.93	198.54	4.102		
11,300.00	7,754.99	11,376.12	7,935.96	104.64	103.50	102.84	-376.23	-3,998.81	814.47	610.90	203.57	4.001		
11,400.00	7,754.98	11,476.12	7,935.95	107.21	106.09	102.84	-375.79	-4,098.81	814.47	605.85	208.62	3.904		
11,500.00	7,754.98	11,576.12	7,935.95	109.78	108.68	102.84	-375.36	-4,198.81	814.47	600.79	213.68	3.812		
11,600.00	7,754.98	11,676.12	7,935.95	112.36	111.27	102.84	-374.92	-4,298.81	814.47	595.72	218.75	3.723		
11,700.00	7,754.98	11,776.12	7,935.95	114.94	113.87	102.84	-374.48	-4,398.81	814.47	590.65	223.82	3.639		
11,800.00	7,754.98	11,876.12	7,935.95	117.53	116.47	102.84	-374.05	-4,498.81	814.47	585.56	228.90	3.558		
11,900.00	7,754.98	11,976.12	7,935.95	120.13	119.08	102.84	-373.61	-4,598.81	814.47	580.47	234.00	3.481		
12,000.00	7,754.98	12,076.12	7,935.94	122.73	121.69	102.84	-373.17	-4,698.81	814.47	575.37	239.10	3.406		
12,100.00	7,754.98	12,176.12	7,935.94	125.33	124.30	102.84	-372.73	-4,798.80	814.47	570.27	244.20	3.335		
12,200.00	7,754.98	12,276.12	7,935.94	127.93	126.92	102.84	-372.30	-4,898.80	814.47	565.16	249.31	3.267		
12,300.00	7,754.98	12,376.12	7,935.94	130.54	129.54	102.84	-371.86	-4,998.80	814.47	560.04	254.43	3.201		
12,400.00	7,754.98	12,476.12	7,935.94	133.16	132.16	102.84	-371.42	-5,098.80	814.47	554.91	259.55	3.138		
12,500.00	7,754.98	12,576.12	7,935.94	135.77	134.79	102.84	-370.99	-5,198.80	814.47	549.78	264.68	3.077		
12,600.00	7,754.98	12,676.12	7,935.94	138.39	137.42	102.84	-370.55	-5,298.80	814.47	544.65	269.82	3.019		
12,700.00	7,754.98	12,776.12	7,935.93	141.02	140.05	102.84	-370.11	-5,398.80	814.47	539.51	274.95	2.962		
12,800.00	7,754.98	12,876.12	7,935.93	143.64	142.68	102.84	-369.68	-5,498.80	814.47	534.37	280.10	2.908		
12,900.00	7,754.98	12,976.12	7,935.93	146.27	145.31	102.84	-369.24	-5,598.80	814.47	529.22	285.24	2.855		
13,000.00	7,754.98	13,076.12	7,935.93	148.90	147.95	102.84	-368.80	-5,698.80	814.47	524.07	290.40	2.805		
13,100.00	7,754.98	13,176.12	7,935.93	151.53	150.59	102.84	-368.37	-5,798.79	814.47	518.92	295.55	2.756		
13,200.00	7,754.98	13,276.12	7,935.93	154.17	153.23	102.84	-367.93	-5,898.79	814.47	513.76	300.71	2.708		
13,300.00	7,754.98	13,376.12	7,935.93	156.80	155.87	102.84	-367.49	-5,998.79	814.47	508.60	305.87	2.663		
13,400.00	7,754.98	13,476.12	7,935.92	159.44	158.51	102.84	-367.06	-6,098.79	814.47	503.43	311.03	2.619		
13,500.00	7,754.97	13,576.12	7,935.92	162.08	161.16	102.84	-366.62	-6,198.79	814.47	498.26	316.20	2.576		
13,600.00	7,754.97	13,676.12	7,935.92	164.72	163.80	102.84	-366.18	-6,298.79	814.47	493.09	321.37	2.534		
13,700.00	7,754.97	13,776.12	7,935.92	167.37	166.45	102.84	-365.75	-6,398.79	814.47	487.92	326.55	2.494		
13,800.00	7,754.97	13,876.12	7,935.92	170.01	169.10	102.84	-365.31	-6,498.79	814.46	482.74	331.72	2.455		
13,900.00	7,754.97	13,976.12	7,935.92	172.66	171.75	102.84	-364.87	-6,598.79	814.46	477.56	336.90	2.418		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.00	7,754.97	14,076.12	7,935.92	175.31	174.40	102.84	-364.43	-6,698.79	814.46	472.38	342.08	2.381		
14,100.00	7,754.97	14,176.12	7,935.91	177.95	177.06	102.84	-364.00	-6,798.79	814.46	467.20	347.27	2.345		
14,200.00	7,754.97	14,276.12	7,935.91	180.61	179.71	102.84	-363.56	-6,898.78	814.46	462.01	352.45	2.311		
14,300.00	7,754.97	14,376.12	7,935.91	183.26	182.36	102.84	-363.12	-6,998.78	814.46	456.82	357.64	2.277		
14,400.00	7,754.97	14,476.12	7,935.91	185.91	185.02	102.84	-362.69	-7,098.78	814.46	451.63	362.83	2.245		
14,500.00	7,754.97	14,576.12	7,935.91	188.56	187.68	102.84	-362.25	-7,198.78	814.46	446.44	368.02	2.213		
14,600.00	7,754.97	14,676.12	7,935.91	191.22	190.34	102.84	-361.81	-7,298.78	814.46	441.25	373.22	2.182		
14,700.00	7,754.97	14,776.12	7,935.91	193.88	192.99	102.84	-361.38	-7,398.78	814.46	436.05	378.41	2.152		
14,800.00	7,754.97	14,876.12	7,935.90	196.53	195.65	102.84	-360.94	-7,498.78	814.46	430.86	383.61	2.123		
14,900.00	7,754.97	14,976.12	7,935.90	199.19	198.31	102.84	-360.50	-7,598.78	814.46	425.66	388.81	2.095		
15,000.00	7,754.97	15,076.12	7,935.90	201.85	200.98	102.84	-360.07	-7,698.78	814.46	420.46	394.01	2.067		
15,100.00	7,754.97	15,176.12	7,935.90	204.51	203.64	102.84	-359.63	-7,798.78	814.46	415.25	399.21	2.040		
15,200.00	7,754.97	15,276.12	7,935.90	207.17	206.30	102.84	-359.19	-7,898.77	814.46	410.05	404.41	2.014		
15,300.00	7,754.97	15,376.12	7,935.90	209.84	208.96	102.84	-358.76	-7,998.77	814.46	404.85	409.62	1.988		
15,400.00	7,754.97	15,476.12	7,935.90	212.50	211.63	102.84	-358.32	-8,098.77	814.46	399.64	414.82	1.963		
15,500.00	7,754.96	15,576.12	7,935.89	215.16	214.29	102.84	-357.88	-8,198.77	814.46	394.43	420.03	1.939		
15,600.00	7,754.96	15,676.12	7,935.89	217.83	216.96	102.83	-357.45	-8,298.77	814.46	389.22	425.24	1.915		
15,700.00	7,754.96	15,776.12	7,935.89	220.49	219.62	102.83	-357.01	-8,398.77	814.46	384.01	430.45	1.892		
15,800.00	7,754.96	15,876.12	7,935.89	223.16	222.29	102.83	-356.57	-8,498.77	814.46	378.80	435.66	1.869		
15,900.00	7,754.96	15,976.12	7,935.89	225.82	224.96	102.83	-356.13	-8,598.77	814.46	373.59	440.87	1.847		
16,000.00	7,754.96	16,076.12	7,935.89	228.49	227.62	102.83	-355.70	-8,698.77	814.46	368.38	446.08	1.826		
16,100.00	7,754.96	16,176.12	7,935.88	231.16	230.29	102.83	-355.26	-8,798.77	814.46	363.16	451.30	1.805		
16,200.00	7,754.96	16,276.12	7,935.88	233.83	232.96	102.83	-354.82	-8,898.77	814.46	357.95	456.51	1.784		
16,300.00	7,754.96	16,376.12	7,935.88	236.50	235.63	102.83	-354.39	-8,998.76	814.46	352.73	461.73	1.764		
16,400.00	7,754.96	16,476.12	7,935.88	239.16	238.30	102.83	-353.95	-9,098.76	814.46	347.51	466.95	1.744		
16,500.00	7,754.96	16,576.12	7,935.88	241.83	240.97	102.83	-353.51	-9,198.76	814.46	342.30	472.16	1.725		
16,600.00	7,754.96	16,676.12	7,935.88	244.50	243.64	102.83	-353.08	-9,298.76	814.46	337.08	477.38	1.706		
16,700.00	7,754.96	16,776.12	7,935.88	247.18	246.31	102.83	-352.64	-9,398.76	814.46	331.86	482.60	1.688		
16,800.00	7,754.96	16,876.12	7,935.87	249.85	248.98	102.83	-352.20	-9,498.76	814.46	326.64	487.82	1.670		
16,900.00	7,754.96	16,976.12	7,935.87	252.52	251.65	102.83	-351.77	-9,598.76	814.46	321.42	493.04	1.652		
17,000.00	7,754.96	17,076.12	7,935.87	255.19	254.33	102.83	-351.33	-9,698.76	814.46	316.19	498.26	1.635		
17,100.00	7,754.96	17,176.12	7,935.87	257.86	257.00	102.83	-350.89	-9,798.76	814.46	310.97	503.49	1.618		
17,200.00	7,754.96	17,276.12	7,935.87	260.54	259.67	102.83	-350.46	-9,898.76	814.46	305.75	508.71	1.601		
17,300.00	7,754.96	17,376.12	7,935.87	263.21	262.34	102.83	-350.02	-9,998.75	814.46	300.52	513.94	1.585		
17,400.00	7,754.96	17,476.12	7,935.87	265.88	265.02	102.83	-349.58	-10,098.75	814.46	295.30	519.16	1.569		
17,500.00	7,754.96	17,576.12	7,935.86	268.56	267.69	102.83	-349.15	-10,198.75	814.46	290.07	524.39	1.553		
17,600.00	7,754.95	17,676.12	7,935.86	271.23	270.36	102.83	-348.71	-10,298.75	814.46	284.85	529.61	1.538		
17,700.00	7,754.95	17,776.12	7,935.86	273.91	273.04	102.83	-348.27	-10,398.75	814.46	279.62	534.84	1.523		
17,800.00	7,754.95	17,876.12	7,935.86	276.58	275.71	102.83	-347.83	-10,498.75	814.46	274.39	540.07	1.508		
17,817.58	7,754.95	27,921.05	7,935.85	277.05	544.41	102.83	-347.76	-10,516.10	814.46	11.44	803.02	1.014 Level 2, ES, SF		
17,890.11	7,755.00	17,966.00	7,935.99	278.99	278.12	102.84	-347.45	-10,588.63	814.46	269.71	544.75	1.495 Level 3		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPOSAL 1												Offset Site Error:	0.00 usft
Survey Program: 0-MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-19.69	19.69				
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-19.69	19.69	19.42	0.27	73.227	
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-19.69	19.69	18.70	0.99	19.971	
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-19.69	19.69	17.98	1.70	11.562	
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-19.69	19.69	17.27	2.42	8.136	
500.00	500.00	500.00	500.00	1.57	1.57	-90.00	0.00	-19.69	19.69	16.55	3.14	6.277	
600.00	600.00	600.00	600.00	1.93	1.93	-90.00	0.00	-19.69	19.69	15.83	3.85	5.109	
700.00	700.00	700.00	700.00	2.29	2.29	-90.00	0.00	-19.69	19.69	15.12	4.57	4.307	
800.00	799.98	800.02	799.98	2.63	2.64	79.21	0.00	-19.69	19.29	14.02	5.27	3.660	
875.23	875.12	875.12	875.12	2.88	2.91	90.00	0.00	-19.69	18.94	13.16	5.79	3.273 CC	
900.00	899.84	899.84	899.84	2.96	3.00	94.88	0.00	-19.69	19.01	13.05	5.96	3.191	
1,000.00	999.45	999.70	999.68	3.30	3.34	114.19	-1.61	-20.33	20.97	14.33	6.64	3.157	
1,100.00	1,098.70	1,099.81	1,099.65	3.66	3.67	128.39	-6.47	-22.25	25.11	17.78	7.32	3.429	
1,200.00	1,197.47	1,200.15	1,199.60	4.04	4.01	137.69	-14.60	-25.48	30.57	22.56	8.01	3.816	
1,294.51	1,290.25	1,295.21	1,293.96	4.42	4.35	143.34	-25.30	-29.72	36.44	27.77	8.67	4.203	
1,300.00	1,295.62	1,300.74	1,299.43	4.44	4.37	143.60	-26.01	-30.00	36.80	28.08	8.71	4.224	
1,400.00	1,393.48	1,400.53	1,398.23	4.87	4.73	147.37	-39.05	-35.17	43.15	33.72	9.43	4.576	
1,500.00	1,491.33	1,500.29	1,497.01	5.31	5.11	150.16	-52.08	-40.34	49.64	39.48	10.16	4.888	
1,600.00	1,589.19	1,600.06	1,595.78	5.76	5.49	152.30	-65.11	-45.51	56.22	45.33	10.89	5.163	
1,700.00	1,687.04	1,699.82	1,694.56	6.22	5.89	154.00	-78.15	-50.68	62.86	51.23	11.63	5.407	
1,800.00	1,784.90	1,800.41	1,793.33	6.68	6.29	155.36	-91.18	-55.84	69.55	57.18	12.37	5.622	
1,900.00	1,882.75	1,900.65	1,892.10	7.15	6.69	156.49	-104.21	-61.01	76.26	63.15	13.11	5.815	
2,000.00	1,980.61	2,000.89	1,990.88	7.63	7.10	157.44	-117.25	-66.18	83.01	69.14	13.86	5.988	
2,100.00	2,078.46	2,101.12	2,089.65	8.11	7.51	158.24	-130.28	-71.35	89.77	75.16	14.61	6.143	
2,200.00	2,176.31	2,201.36	2,188.42	8.59	7.92	158.93	-143.31	-76.52	96.55	81.18	15.37	6.283	
2,300.00	2,274.17	2,301.60	2,287.20	9.07	8.33	159.53	-156.35	-81.68	103.34	87.22	16.12	6.410	
2,400.00	2,372.02	2,398.17	2,385.97	9.56	8.73	160.05	-169.38	-86.85	110.13	93.27	16.86	6.532	
2,500.00	2,469.88	2,497.93	2,484.75	10.04	9.15	160.52	-182.41	-92.02	116.94	99.33	17.62	6.638	
2,600.00	2,567.73	2,602.30	2,583.52	10.53	9.59	160.93	-195.45	-97.19	123.76	105.37	18.39	6.730	
2,700.00	2,665.59	2,702.54	2,682.29	11.02	10.01	161.30	-208.48	-102.36	130.58	111.43	19.15	6.819	
2,800.00	2,763.44	2,802.78	2,781.07	11.52	10.43	161.63	-221.51	-107.52	137.40	117.49	19.91	6.902	
2,900.00	2,861.29	2,903.01	2,879.84	12.01	10.86	161.94	-234.55	-112.69	144.23	123.56	20.67	6.978	
3,000.00	2,959.15	2,996.75	2,978.61	12.50	11.25	162.21	-247.58	-117.86	151.06	129.66	21.41	7.057	
3,100.00	3,057.00	3,096.52	3,077.39	13.00	11.67	162.46	-260.61	-123.03	157.90	135.73	22.17	7.123	
3,200.00	3,154.86	3,196.28	3,176.16	13.49	12.10	162.69	-273.65	-128.20	164.74	141.81	22.93	7.185	
3,300.00	3,252.71	3,296.04	3,274.94	13.99	12.52	162.90	-286.68	-133.36	171.58	147.89	23.69	7.243	
3,400.00	3,350.57	3,404.19	3,373.71	14.48	12.98	163.10	-299.71	-138.53	178.42	153.94	24.48	7.288	
3,500.00	3,448.42	3,495.57	3,472.48	14.98	13.37	163.28	-312.75	-143.70	185.27	160.05	25.21	7.348	
3,600.00	3,546.28	3,604.67	3,571.26	15.48	13.84	163.45	-325.78	-148.87	192.11	166.10	26.01	7.386	
3,700.00	3,644.13	3,704.90	3,670.03	15.98	14.27	163.60	-338.81	-154.04	198.96	172.19	26.77	7.431	
3,800.00	3,741.98	3,794.86	3,768.80	16.47	14.65	163.75	-351.85	-159.20	205.81	178.31	27.50	7.484	
3,900.00	3,839.84	3,894.63	3,867.58	16.97	15.08	163.89	-364.88	-164.37	212.66	184.40	28.26	7.524	
4,000.00	3,937.69	4,005.61	3,966.35	17.47	15.55	164.01	-377.91	-169.54	219.51	190.44	29.07	7.551	
4,100.00	4,035.55	4,105.85	4,065.12	17.97	15.98	164.14	-390.95	-174.71	226.37	196.53	29.84	7.587	
4,200.00	4,133.40	4,206.08	4,163.90	18.47	16.41	164.25	-403.98	-179.88	233.22	202.62	30.60	7.621	
4,300.00	4,231.26	4,293.68	4,262.67	18.97	16.79	164.36	-417.01	-185.05	240.07	208.75	31.32	7.665	
4,400.00	4,329.11	4,406.56	4,361.45	19.47	17.27	164.46	-430.05	-190.21	246.93	214.80	32.13	7.684	
4,500.00	4,426.97	4,493.21	4,460.22	19.97	17.64	164.55	-443.08	-195.38	253.79	220.94	32.85	7.726	
4,600.00	4,524.82	4,607.03	4,558.99	20.47	18.13	164.64	-456.11	-200.55	260.64	226.97	33.67	7.742	
4,700.00	4,622.67	4,692.74	4,657.77	20.97	18.50	164.73	-469.15	-205.72	267.50	233.12	34.38	7.781	
4,800.00	4,720.53	4,807.50	4,756.54	21.47	18.99	164.81	-482.18	-210.89	274.36	239.16	35.20	7.794	
4,900.00	4,818.38	4,892.26	4,855.31	21.97	19.36	164.89	-495.21	-216.05	281.22	245.31	35.91	7.831	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.00	4,916.24	5,007.97	4,954.09	22.47	19.86	164.96	-508.25	-221.22	288.08	251.34	36.74	7.842		
5,100.00	5,014.09	5,091.79	5,052.86	22.98	20.22	165.03	-521.28	-226.39	294.94	257.49	37.44	7.877		
5,200.00	5,111.95	5,208.44	5,151.64	23.48	20.72	165.10	-534.31	-231.56	301.80	263.52	38.27	7.885		
5,300.00	5,209.80	5,308.68	5,250.41	23.98	21.15	165.16	-547.35	-236.73	308.66	269.62	39.04	7.906		
5,400.00	5,307.66	5,408.92	5,349.18	24.48	21.58	165.22	-560.38	-241.89	315.52	275.71	39.81	7.926		
5,500.00	5,405.51	5,509.15	5,447.96	24.98	22.02	165.28	-573.41	-247.06	322.38	281.80	40.58	7.945		
5,600.00	5,503.36	5,609.39	5,546.73	25.48	22.45	165.34	-586.45	-252.23	329.24	287.89	41.34	7.963		
5,700.00	5,601.22	5,690.37	5,645.50	25.99	22.80	165.39	-599.48	-257.40	336.10	294.06	42.04	7.995		
5,800.00	5,699.07	5,809.86	5,744.28	26.49	23.31	165.45	-612.51	-262.57	342.96	300.08	42.88	7.998		
5,900.00	5,796.93	5,889.90	5,843.05	26.99	23.66	165.49	-625.55	-267.73	349.83	306.25	43.57	8.028		
6,000.00	5,894.78	5,989.67	5,941.82	27.49	24.09	165.54	-638.58	-272.90	356.69	312.35	44.34	8.044		
6,100.00	5,992.64	6,089.43	6,040.60	27.99	24.52	165.59	-651.61	-278.07	363.55	318.44	45.11	8.060		
6,200.00	6,090.49	6,189.19	6,139.37	28.50	24.95	165.63	-664.65	-283.24	370.41	324.54	45.87	8.075		
6,300.00	6,188.35	6,288.96	6,238.15	29.00	25.38	165.68	-677.68	-288.41	377.28	330.64	46.64	8.089		
6,400.00	6,286.20	6,388.72	6,336.92	29.50	25.81	165.72	-690.71	-293.58	384.14	336.73	47.41	8.103		
6,500.00	6,384.05	6,488.49	6,435.69	30.00	26.24	165.76	-703.75	-298.74	391.00	342.83	48.18	8.116		
6,600.00	6,481.91	6,588.25	6,534.47	30.51	26.67	165.80	-716.78	-303.91	397.87	348.93	48.94	8.129		
6,681.59	6,561.75	6,669.65	6,615.06	30.92	27.02	165.83	-727.41	-308.13	403.47	353.90	49.57	8.140		
6,700.00	6,579.77	6,688.02	6,633.24	31.01	27.10	165.84	-729.81	-309.08	404.68	354.97	49.71	8.141		
6,800.00	6,678.09	6,787.91	6,732.14	31.48	27.53	165.81	-742.86	-314.25	409.23	358.75	50.48	8.107		
6,900.00	6,776.98	6,887.89	6,831.13	31.92	27.97	165.65	-755.92	-319.43	410.40	359.15	51.25	8.008		
7,000.00	6,876.33	6,982.28	6,924.63	32.32	28.37	165.39	-767.98	-324.21	408.52	356.53	51.98	7.858		
7,100.00	6,976.01	7,070.48	7,012.28	32.69	28.73	165.14	-777.07	-327.82	405.75	353.11	52.64	7.708		
7,200.00	7,075.91	7,158.77	7,100.28	33.01	29.06	164.91	-783.65	-330.43	402.50	349.25	53.25	7.559		
7,276.10	7,152.00	7,226.02	7,167.44	33.22	29.30	0.54	-786.97	-331.74	399.70	346.04	53.66	7.449		
7,299.99	7,175.89	7,247.14	7,188.54	33.28	29.38	0.49	-787.71	-332.04	398.86	345.08	53.78	7.417		
7,306.10	7,182.00	7,252.55	7,193.95	33.29	29.39	0.49	-787.87	-332.10	398.67	344.86	53.81	7.409		
7,350.00	7,225.86	7,291.37	7,232.76	33.41	29.53	90.50	-788.79	-332.47	397.64	343.64	54.00	7.363		
7,398.46	7,273.96	7,333.96	7,275.34	33.55	29.66	91.25	-789.23	-332.64	397.22	343.07	54.16	7.335		
7,400.00	7,275.48	7,335.31	7,276.69	33.56	29.66	91.28	-789.24	-332.64	397.22	343.06	54.16	7.334		
7,450.00	7,324.39	7,383.30	7,324.68	33.72	29.80	92.66	-789.25	-332.71	397.56	343.22	54.34	7.316		
7,500.00	7,372.22	7,434.13	7,375.40	33.88	29.96	94.30	-789.24	-335.74	398.29	343.69	54.60	7.294		
7,550.00	7,418.60	7,486.09	7,426.77	34.05	30.14	95.91	-789.20	-343.46	399.35	344.42	54.93	7.270		
7,600.00	7,463.18	7,539.23	7,478.36	34.23	30.33	97.49	-789.15	-356.13	400.70	345.39	55.31	7.245		
7,650.00	7,505.62	7,593.62	7,529.71	34.42	30.54	99.02	-789.07	-373.99	402.32	346.59	55.73	7.219		
7,700.00	7,545.60	7,649.28	7,580.27	34.61	30.76	100.49	-788.97	-397.23	404.15	347.96	56.19	7.192		
7,750.00	7,582.81	7,706.24	7,629.42	34.81	30.99	101.88	-788.85	-425.96	406.13	349.45	56.68	7.165		
7,800.00	7,616.97	7,764.50	7,676.49	35.03	31.24	103.18	-788.70	-460.25	408.20	351.00	57.20	7.136		
7,850.00	7,647.83	7,824.03	7,720.74	35.25	31.52	104.38	-788.53	-500.04	410.29	352.51	57.77	7.102		
7,900.00	7,675.13	7,884.79	7,761.39	35.50	31.82	105.45	-788.34	-545.15	412.30	353.89	58.42	7.058		
7,950.00	7,698.69	7,946.70	7,797.67	35.76	32.16	106.39	-788.12	-595.28	414.17	355.01	59.16	7.000		
8,000.00	7,718.31	8,009.63	7,828.78	36.05	32.55	107.18	-787.89	-649.94	415.82	355.77	60.06	6.924		
8,050.00	7,733.85	8,073.43	7,854.02	36.38	33.01	107.81	-787.64	-708.50	417.19	356.04	61.15	6.822		
8,100.00	7,745.19	8,137.92	7,872.76	36.74	33.54	108.27	-787.38	-770.18	418.21	355.76	62.45	6.697		
8,150.00	7,752.25	8,202.89	7,884.51	37.13	34.16	108.55	-787.10	-834.04	418.84	354.87	63.98	6.547		
8,200.00	7,754.97	8,268.11	7,888.96	37.57	34.85	108.65	-786.82	-899.07	419.06	353.34	65.72	6.377		
8,206.17	7,755.00	8,276.16	7,889.00	37.63	34.94	108.65	-786.79	-907.12	419.06	353.11	65.95	6.354		
8,242.00	7,755.00	8,311.64	7,889.00	37.97	35.36	108.65	-786.64	-942.60	419.06	352.18	66.88	6.266		
8,300.00	7,755.00	8,369.65	7,889.00	38.57	36.09	108.65	-786.39	-1,000.61	419.05	350.61	68.45	6.122		
8,400.00	7,755.00	8,469.65	7,889.00	39.75	37.47	108.65	-785.96	-1,100.61	419.05	347.68	71.37	5.872		
8,500.00	7,755.00	8,569.65	7,889.00	41.10	39.01	108.65	-785.53	-1,200.60	419.04	344.51	74.53	5.623		
8,600.00	7,755.00	8,669.65	7,889.00	42.59	40.68	108.65	-785.10	-1,300.60	419.03	341.14	77.89	5.380		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPOSAL 1		Offset Site Error:		0.00 usft
Survey Program: 0-MWD													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Distance								Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
8,700.00	7,755.00	8,769.65	7,888.99	44.23	42.46	108.65	-784.67	-1,400.60	419.02	337.58	81.44	5.145					
8,800.00	7,755.00	8,869.64	7,888.99	45.98	44.34	108.65	-784.24	-1,500.60	419.02	333.86	85.16	4.921					
8,900.00	7,755.00	8,969.64	7,888.99	47.83	46.30	108.65	-783.81	-1,600.60	419.01	330.00	89.01	4.708					
9,000.00	7,755.00	9,069.64	7,888.99	49.78	48.34	108.65	-783.38	-1,700.60	419.00	326.02	92.98	4.506					
9,100.00	7,755.00	9,169.64	7,888.99	51.80	50.45	108.65	-782.95	-1,800.59	419.00	321.93	97.06	4.317					
9,200.00	7,755.00	9,269.64	7,888.99	53.88	52.61	108.65	-782.52	-1,900.59	418.99	317.75	101.24	4.139					
9,300.00	7,754.99	9,369.64	7,888.99	56.03	54.81	108.65	-782.09	-2,000.59	418.98	313.49	105.50	3.971					
9,400.00	7,754.99	9,469.64	7,888.99	58.22	57.06	108.65	-781.66	-2,100.59	418.98	309.15	109.83	3.815					
9,500.00	7,754.99	9,569.64	7,888.99	60.46	59.35	108.65	-781.23	-2,200.59	418.97	304.74	114.23	3.668					
9,600.00	7,754.99	9,669.64	7,888.98	62.74	61.67	108.65	-780.80	-2,300.59	418.96	300.28	118.69	3.530					
9,700.00	7,754.99	9,769.64	7,888.98	65.05	64.03	108.65	-780.37	-2,400.58	418.96	295.77	123.19	3.401					
9,800.00	7,754.99	9,869.64	7,888.98	67.39	66.40	108.65	-779.94	-2,500.58	418.95	291.21	127.75	3.280					
9,900.00	7,754.99	9,969.64	7,888.98	69.76	68.80	108.65	-779.51	-2,600.58	418.95	286.60	132.34	3.166					
10,000.00	7,754.99	10,069.64	7,888.98	72.15	71.23	108.65	-779.08	-2,700.58	418.94	281.97	136.98	3.058					
10,100.00	7,754.99	10,169.64	7,888.98	74.56	73.67	108.65	-778.64	-2,800.58	418.94	277.29	141.64	2.958					
10,200.00	7,754.99	10,269.63	7,888.98	77.00	76.13	108.65	-778.21	-2,900.58	418.93	272.59	146.34	2.863					
10,300.00	7,754.99	10,369.63	7,888.98	79.45	78.60	108.65	-777.78	-3,000.57	418.93	267.86	151.07	2.773					
10,400.00	7,754.99	10,469.63	7,888.98	81.92	81.09	108.65	-777.35	-3,100.57	418.92	263.11	155.82	2.689					
10,500.00	7,754.99	10,569.63	7,888.98	84.40	83.59	108.65	-776.92	-3,200.57	418.92	258.33	160.59	2.609					
10,600.00	7,754.99	10,669.63	7,888.98	86.89	86.10	108.65	-776.48	-3,300.57	418.92	253.53	165.38	2.533					
10,700.00	7,754.99	10,769.63	7,888.98	89.40	88.62	108.65	-776.05	-3,400.57	418.91	248.72	170.19	2.461					
10,800.00	7,754.99	10,869.63	7,888.98	91.92	91.16	108.65	-775.62	-3,500.57	418.91	243.88	175.02	2.393					
10,900.00	7,754.99	10,969.63	7,888.97	94.44	93.70	108.65	-775.19	-3,600.56	418.90	239.03	179.87	2.329					
11,000.00	7,754.99	11,069.63	7,888.97	96.98	96.25	108.65	-774.75	-3,700.56	418.90	234.17	184.73	2.268					
11,100.00	7,754.99	11,169.63	7,888.97	99.53	98.80	108.65	-774.32	-3,800.56	418.90	229.29	189.61	2.209					
11,200.00	7,754.99	11,269.63	7,888.97	102.08	101.37	108.65	-773.89	-3,900.56	418.89	224.40	194.49	2.154					
11,300.00	7,754.99	11,369.63	7,888.97	104.64	103.94	108.65	-773.45	-4,000.56	418.89	219.50	199.39	2.101					
11,400.00	7,754.98	11,469.63	7,888.97	107.21	106.51	108.65	-773.02	-4,100.56	418.89	214.59	204.30	2.050					
11,500.00	7,754.98	11,569.63	7,888.97	109.78	109.10	108.65	-772.58	-4,200.55	418.89	209.66	209.22	2.002					
11,600.00	7,754.98	11,669.62	7,888.97	112.36	111.68	108.66	-772.15	-4,300.55	418.88	204.73	214.15	1.956					
11,700.00	7,754.98	11,769.62	7,888.97	114.94	114.27	108.66	-771.72	-4,400.55	418.88	199.79	219.09	1.912					
11,800.00	7,754.98	11,869.62	7,888.97	117.53	116.87	108.66	-771.28	-4,500.55	418.88	194.84	224.04	1.870					
11,900.00	7,754.98	11,969.62	7,888.97	120.13	119.47	108.66	-770.85	-4,600.55	418.88	189.89	228.99	1.829					
12,000.00	7,754.98	12,069.62	7,888.97	122.73	122.08	108.66	-770.41	-4,700.55	418.87	184.92	233.95	1.790					
12,100.00	7,754.98	12,169.62	7,888.97	125.33	124.68	108.66	-769.98	-4,800.54	418.87	179.95	238.92	1.753					
12,200.00	7,754.98	12,269.62	7,888.97	127.93	127.29	108.66	-769.54	-4,900.54	418.87	174.98	243.89	1.717					
12,300.00	7,754.98	12,369.62	7,888.97	130.54	129.91	108.66	-769.11	-5,000.54	418.87	170.00	248.87	1.683					
12,400.00	7,754.98	12,469.62	7,888.97	133.16	132.53	108.66	-768.67	-5,100.54	418.87	165.01	253.86	1.650					
12,500.00	7,754.98	12,569.62	7,888.97	135.77	135.15	108.66	-768.24	-5,200.54	418.87	160.02	258.85	1.618					
12,600.00	7,754.98	12,669.62	7,888.97	138.39	137.77	108.66	-767.80	-5,300.54	418.87	155.02	263.85	1.588					
12,700.00	7,754.98	12,769.62	7,888.97	141.02	140.40	108.66	-767.36	-5,400.53	418.87	150.02	268.85	1.558					
12,800.00	7,754.98	12,869.62	7,888.97	143.64	143.02	108.66	-766.93	-5,500.53	418.87	145.01	273.85	1.530					
12,900.00	7,754.98	12,969.62	7,888.97	146.27	145.65	108.66	-766.49	-5,600.53	418.87	140.00	278.86	1.502					
13,000.00	7,754.98	13,069.61	7,888.97	148.90	148.29	108.66	-766.05	-5,700.53	418.87	134.99	283.88	1.476 Level 3					
13,020.54	7,754.98	13,109.85	7,888.97	149.44	149.35	108.66	-765.96	-5,721.06	418.87	133.46	285.40	1.468 Level 3					
13,100.00	7,754.98	13,169.61	7,888.97	151.53	150.92	108.66	-765.62	-5,800.53	418.87	129.97	288.89	1.450 Level 3					
13,200.00	7,754.98	13,269.61	7,888.97	154.17	153.56	108.66	-765.18	-5,900.53	418.87	124.95	293.91	1.425 Level 3					
13,300.00	7,754.98	13,369.61	7,888.97	156.80	156.20	108.66	-764.74	-6,000.52	418.87	119.93	298.94	1.401 Level 3					
13,400.00	7,754.98	13,469.61	7,888.97	159.44	158.84	108.66	-764.31	-6,100.52	418.87	114.90	303.97	1.378 Level 3					
13,500.00	7,754.97	13,569.61	7,888.97	162.08	161.48	108.66	-763.87	-6,200.52	418.87	109.87	309.00	1.356 Level 3					
13,600.00	7,754.97	13,669.61	7,888.97	164.72	164.12	108.66	-763.43	-6,300.52	418.87	104.84	314.03	1.334 Level 3					
13,700.00	7,754.97	13,769.61	7,888.97	167.37	166.77	108.66	-762.99	-6,400.52	418.87	99.80	319.07	1.313 Level 3					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

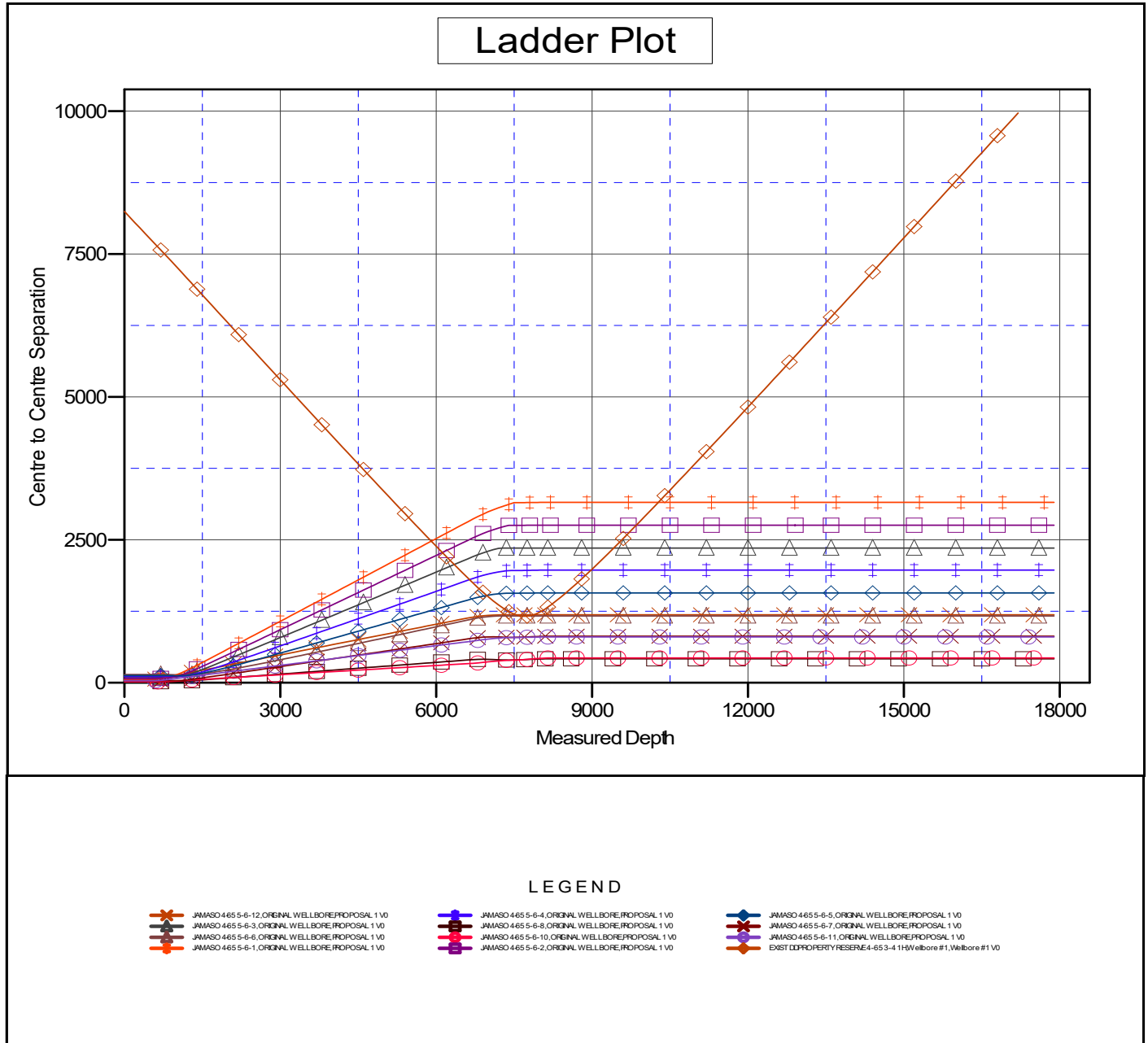
Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.00	7,754.97	13,869.61	7,888.97	170.01	169.41	108.66	-762.56	-6,500.52	418.87	94.76	324.11	1.292	Level 3	
13,900.00	7,754.97	13,969.61	7,888.97	172.66	172.06	108.66	-762.12	-6,600.51	418.87	89.72	329.15	1.273	Level 3	
14,000.00	7,754.97	14,069.61	7,888.97	175.31	174.71	108.66	-761.68	-6,700.51	418.87	84.68	334.19	1.253	Level 3	
14,100.00	7,754.97	14,169.61	7,888.97	177.95	177.36	108.66	-761.24	-6,800.51	418.88	79.64	339.24	1.235	Level 2	
14,200.00	7,754.97	14,269.61	7,888.97	180.61	180.01	108.66	-760.80	-6,900.51	418.88	74.59	344.29	1.217	Level 2	
14,300.00	7,754.97	14,369.61	7,888.97	183.26	182.66	108.66	-760.36	-7,000.51	418.88	69.54	349.34	1.199	Level 2	
14,400.00	7,754.97	14,469.61	7,888.97	185.91	185.32	108.66	-759.92	-7,100.51	418.88	64.49	354.39	1.182	Level 2	
14,500.00	7,754.97	14,569.60	7,888.97	188.56	187.97	108.66	-759.49	-7,200.50	418.88	59.44	359.44	1.165	Level 2	
14,600.00	7,754.97	14,669.60	7,888.97	191.22	190.63	108.66	-759.05	-7,300.50	418.89	54.39	364.50	1.149	Level 2	
14,700.00	7,754.97	14,769.60	7,888.97	193.88	193.28	108.66	-758.61	-7,400.50	418.89	49.33	369.56	1.133	Level 2	
14,800.00	7,754.97	14,869.60	7,888.97	196.53	195.94	108.66	-758.17	-7,500.50	418.89	44.27	374.62	1.118	Level 2	
14,900.00	7,754.97	14,969.60	7,888.97	199.19	198.60	108.66	-757.73	-7,600.50	418.90	39.21	379.68	1.103	Level 2	
15,000.00	7,754.97	15,069.60	7,888.97	201.85	201.26	108.66	-757.29	-7,700.50	418.90	34.16	384.74	1.089	Level 2	
15,100.00	7,754.97	15,169.60	7,888.97	204.51	203.92	108.66	-756.85	-7,800.49	418.90	29.09	389.81	1.075	Level 2	
15,200.00	7,754.97	15,269.60	7,888.97	207.17	206.58	108.66	-756.41	-7,900.49	418.91	24.03	394.87	1.061	Level 2	
15,300.00	7,754.97	15,369.60	7,888.98	209.84	209.24	108.66	-755.97	-8,000.49	418.91	18.97	399.94	1.047	Level 2	
15,400.00	7,754.97	15,469.60	7,888.98	212.50	211.90	108.66	-755.53	-8,100.49	418.91	13.90	405.01	1.034	Level 2	
15,500.00	7,754.96	15,569.60	7,888.98	215.16	214.56	108.66	-755.09	-8,200.49	418.92	8.84	410.08	1.022	Level 2	
15,600.00	7,754.96	15,669.60	7,888.98	217.83	217.23	108.66	-754.64	-8,300.49	418.92	3.77	415.15	1.009	Level 2	
15,700.00	7,754.96	15,769.60	7,888.98	220.49	219.89	108.66	-754.20	-8,400.48	418.93	-1.30	420.23	0.997	Level 1	
15,800.00	7,754.96	15,869.60	7,888.98	223.16	222.56	108.66	-753.76	-8,500.48	418.93	-6.37	425.30	0.985	Level 1	
15,900.00	7,754.96	15,969.59	7,888.98	225.82	225.22	108.66	-753.32	-8,600.48	418.94	-11.44	430.37	0.973	Level 1	
16,000.00	7,754.96	16,069.59	7,888.98	228.49	227.89	108.66	-752.88	-8,700.48	418.94	-16.51	435.45	0.962	Level 1	
16,100.00	7,754.96	16,169.59	7,888.98	231.16	230.55	108.66	-752.44	-8,800.48	418.95	-21.58	440.53	0.951	Level 1	
16,200.00	7,754.96	16,269.59	7,888.98	233.83	233.22	108.66	-752.00	-8,900.48	418.95	-26.65	445.61	0.940	Level 1	
16,300.00	7,754.96	16,369.59	7,888.98	236.50	235.89	108.66	-751.55	-9,000.47	418.96	-31.73	450.69	0.930	Level 1	
16,400.00	7,754.96	16,469.59	7,888.98	239.16	238.56	108.66	-751.11	-9,100.47	418.96	-36.80	455.77	0.919	Level 1	
16,500.00	7,754.96	16,569.59	7,888.98	241.83	241.23	108.66	-750.67	-9,200.47	418.97	-41.88	460.85	0.909	Level 1	
16,600.00	7,754.96	16,669.59	7,888.99	244.50	243.89	108.66	-750.23	-9,300.47	418.97	-46.95	465.93	0.899	Level 1	
16,700.00	7,754.96	16,769.59	7,888.99	247.18	246.56	108.66	-749.78	-9,400.47	418.98	-52.03	471.01	0.890	Level 1	
16,800.00	7,754.96	16,869.59	7,888.99	249.85	249.23	108.66	-749.34	-9,500.47	418.99	-57.11	476.09	0.880	Level 1	
16,900.00	7,754.96	16,969.59	7,888.99	252.52	251.90	108.66	-748.90	-9,600.46	418.99	-62.19	481.18	0.871	Level 1	
17,000.00	7,754.96	17,069.59	7,888.99	255.19	254.58	108.66	-748.45	-9,700.46	419.00	-67.26	486.26	0.862	Level 1	
17,100.00	7,754.96	17,169.59	7,888.99	257.86	257.25	108.66	-748.01	-9,800.46	419.01	-72.34	491.35	0.853	Level 1	
17,200.00	7,754.96	17,269.59	7,888.99	260.54	259.92	108.66	-747.57	-9,900.46	419.01	-77.42	496.44	0.844	Level 1	
17,300.00	7,754.96	17,369.58	7,888.99	263.21	262.59	108.66	-747.12	-10,000.46	419.02	-82.50	501.53	0.835	Level 1	
17,400.00	7,754.96	17,469.58	7,888.99	265.88	265.26	108.66	-746.68	-10,100.46	419.03	-87.59	506.61	0.827	Level 1	
17,500.00	7,754.96	17,569.58	7,889.00	268.56	267.93	108.66	-746.23	-10,200.45	419.04	-92.67	511.70	0.819	Level 1	
17,600.00	7,754.95	17,669.58	7,889.00	271.23	270.61	108.66	-745.79	-10,300.45	419.04	-97.75	516.79	0.811	Level 1	
17,700.00	7,754.95	17,769.58	7,889.00	273.91	273.28	108.66	-745.34	-10,400.45	419.05	-102.83	521.88	0.803	Level 1	
17,800.00	7,754.95	17,869.58	7,889.00	276.58	275.95	108.66	-744.90	-10,500.45	419.06	-107.91	526.97	0.795	Level 1	
17,882.05	7,754.95	17,951.63	7,889.00	278.78	278.15	108.66	-744.54	-10,582.50	419.07	-112.08	531.15	0.789	Level 1	
17,890.11	7,755.00	17,959.69	7,889.00	278.99	278.36	108.65	-744.50	-10,590.55	419.05	-112.53	531.58	0.788	Level 1, ES, SF	

## Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5610.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: JAMASO 4-65 5-6-9  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.53°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

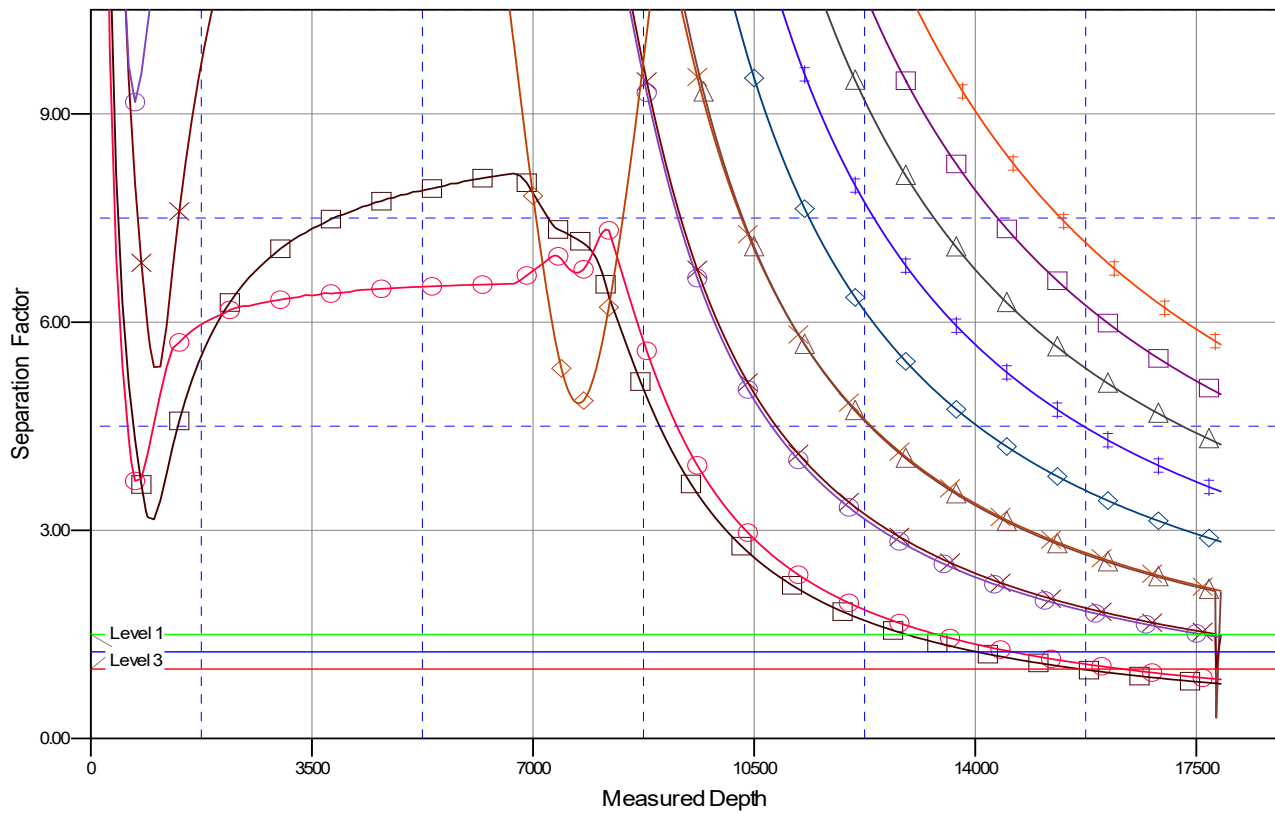
## Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-9
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-9	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5610.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: JAMASO 4-65 5-6-9  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.53°

### Separation Factor Plot



#### LEGEND

JAMASO 4-65 5-6-12, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-4, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-5, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-3, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-8, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-7, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-6, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-10, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-11, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-1, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-2, ORIGINAL WELLBORE, PROPOSAL 1 V0	EXIST CO-PROPERTY RESERVE 4-65 3-4 1H Wellbore #1, Wellbore #1 V0