



END OF WELL REPORT

Prepared For:

**Extraction Oil & Gas
DT-Forbes C6-5-6
Patterson 346
Weld County, CO**

Prepared By:

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Project: Weld County, NAD 83
Site: DT Forbes
Well: DT Forbes C6-5-6
Wellbore: OH
Design: Plan 3

Plan: Plan 3 (DT Forbes C6-5-6/OH)
Created By: Seth Burstad Date: 7-26-15



T **M**
Azimuths to True North
Magnetic North: 8.49°

Magnetic Field
Strength: 52622.1snT
Dip Angle: 67.00°
Date: 9/29/2015
Model: BGGM2015

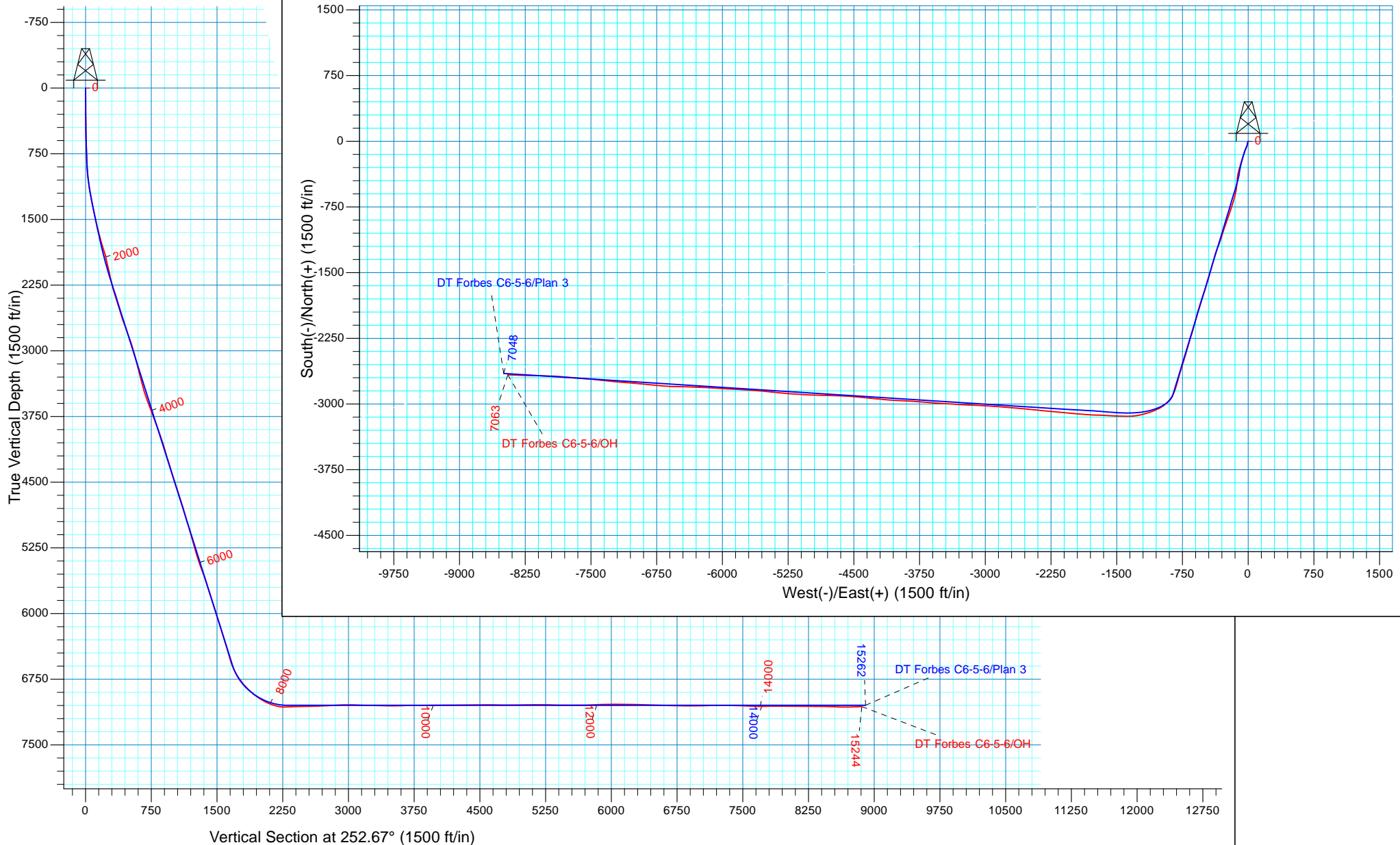
WELL DETAILS: DT Forbes C6-5-6

PROJECT DETAILS: Weld County, NAD 83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

System Datum: Mean Sea Level
Local North: True

GL 4640' & KB 24.5' @ 4664.50ft (Pat 346) 4640.00
Northing Easting Latitude Longitude
1402407.61 3227218.60 40° 26' 6.504 N 104° 41' 1.428 W





Extraction Oil & Gas

Weld County, NAD 83

DT Forbes

DT Forbes C6-5-6

OH

Design: OH

Standard Survey Report

14 October, 2015



Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C6-5-6
Project:	Weld County, NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C6-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Project	Weld County, NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		DT Forbes						
Site Position: From:	Lat/Long	Northing:	1,402,422.21	usft	Latitude:	40° 26' 6.648 N		
		Easting:	3,227,218.47	usft	Longitude:	104° 41' 1.428 W		
		Position Uncertainty:	0.00	ft	Slot Radius:	13.200	in	Grid Convergence:

Well	DT Forbes C6-5-6, 494' FNL 1684' FEL Sec 5 T5N R65W					
Well Position	+N/-S	0.00 ft	Northing:	1,402,407.61 usft	Latitude:	40° 26' 6.504 N
	+E/-W	0.00 ft	Easting:	3,227,218.60 usft	Longitude:	104° 41' 1.428 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	4,640.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	9/29/2015	8.50	67.00	52,622

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		198.66

Survey Program	Date	10/14/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
162.00	1,509.00	Survey #1 - Surface MWD (OH)	MWD	MWD - Standard	
1,593.00	15,244.00	Survey #2 - Vertical / Curve / Lateral (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	0.40	247.20	162.00	-0.22	-0.52	0.37	0.25	0.25	0.00	
First Ensco MWD Survey										
257.00	0.50	228.50	257.00	-0.62	-1.14	0.95	0.19	0.11	-19.68	
352.00	0.80	241.60	351.99	-1.21	-2.03	1.80	0.35	0.32	13.79	
448.00	1.20	216.30	447.98	-2.34	-3.22	3.25	0.61	0.42	-26.35	
543.00	2.20	190.70	542.93	-4.93	-4.14	6.00	1.30	1.05	-26.95	
638.00	2.90	190.20	637.84	-9.09	-4.91	10.18	0.74	0.74	-0.53	
734.00	4.50	187.80	733.64	-15.21	-5.85	16.29	1.67	1.67	-2.50	
829.00	6.10	186.70	828.23	-23.92	-6.94	24.88	1.69	1.68	-1.16	

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C6-5-6
Project:	Weld County, NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C6-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
924.00	7.70	193.70	922.54	-35.12	-9.04	36.16	1.90	1.68	7.37
1,019.00	9.60	202.70	1,016.46	-48.61	-13.60	50.41	2.45	2.00	9.47
1,114.00	12.60	202.80	1,109.67	-65.47	-20.68	68.65	3.16	3.16	0.11
1,210.00	15.40	201.90	1,202.81	-86.96	-29.49	91.82	2.93	2.92	-0.94
1,305.00	17.80	200.20	1,293.84	-112.29	-39.21	118.94	2.58	2.53	-1.79
1,400.00	19.80	197.90	1,383.77	-141.23	-49.17	149.54	2.24	2.11	-2.42
1,509.00	21.50	195.30	1,485.77	-178.07	-60.12	187.95	1.77	1.56	-2.39
Last Ensco MWD Survey									
1,593.00	21.99	198.85	1,563.79	-207.80	-69.26	219.04	1.67	0.58	4.23
First SDI MWD Survey									
1,688.00	24.33	198.41	1,651.13	-243.21	-81.19	256.40	2.47	2.46	-0.46
1,784.00	27.64	194.34	1,737.42	-283.56	-92.96	298.40	3.91	3.45	-4.24
1,879.00	30.49	195.97	1,820.45	-328.09	-105.05	344.46	3.11	3.00	1.72
1,974.00	29.61	191.74	1,902.69	-374.25	-116.46	391.83	2.41	-0.93	-4.45
2,070.00	29.63	185.08	1,986.17	-421.12	-123.38	438.46	3.43	0.02	-6.94
2,164.00	30.82	185.76	2,067.39	-468.22	-127.86	484.52	1.32	1.27	0.72
2,259.00	28.73	185.28	2,149.84	-515.18	-132.40	530.46	2.21	-2.20	-0.51
2,354.00	28.52	188.26	2,233.23	-560.36	-137.76	574.99	1.52	-0.22	3.14
2,449.00	28.78	194.56	2,316.62	-604.95	-146.77	620.11	3.19	0.27	6.63
2,543.00	30.87	197.57	2,398.17	-649.85	-159.74	666.80	2.73	2.22	3.20
2,638.00	29.25	196.12	2,480.39	-695.38	-173.54	714.36	1.87	-1.71	-1.53
2,732.00	28.15	196.32	2,562.84	-738.73	-186.15	759.46	1.17	-1.17	0.21
2,827.00	31.02	199.59	2,645.45	-783.31	-200.66	806.34	3.47	3.02	3.44
2,921.00	31.59	199.46	2,725.77	-829.34	-216.98	855.18	0.61	0.61	-0.14
3,016.00	30.37	199.10	2,807.21	-875.50	-233.13	904.07	1.30	-1.28	-0.38
3,111.00	28.72	199.22	2,889.86	-919.75	-248.51	950.91	1.74	-1.74	0.13
3,205.00	28.03	199.41	2,972.56	-961.90	-263.28	995.58	0.74	-0.73	0.20
3,299.00	25.33	198.12	3,056.55	-1,001.85	-276.88	1,037.78	2.94	-2.87	-1.37
3,394.00	25.56	196.88	3,142.33	-1,040.78	-289.15	1,078.59	0.61	0.24	-1.31
3,489.00	22.03	195.31	3,229.25	-1,077.59	-299.81	1,116.87	3.77	-3.72	-1.65
3,584.00	23.15	200.62	3,316.97	-1,112.26	-311.09	1,153.33	2.45	1.18	5.59
3,679.00	24.74	200.40	3,403.79	-1,148.37	-324.60	1,191.86	1.68	1.67	-0.23
3,773.00	27.87	200.17	3,488.04	-1,187.44	-339.03	1,233.50	3.33	3.33	-0.24
3,869.00	31.69	200.11	3,571.35	-1,232.19	-355.44	1,281.15	3.98	3.98	-0.06
3,964.00	31.96	199.93	3,652.07	-1,279.26	-372.59	1,331.23	0.30	0.28	-0.19
4,060.00	33.75	195.73	3,732.72	-1,328.83	-388.49	1,383.28	3.02	1.86	-4.38
4,155.00	34.89	195.35	3,811.18	-1,380.43	-402.83	1,436.76	1.22	1.20	-0.40
4,251.00	35.24	193.68	3,889.76	-1,433.82	-416.65	1,491.76	1.06	0.36	-1.74
4,346.00	32.93	196.50	3,968.44	-1,485.22	-430.47	1,544.88	2.95	-2.43	2.97
4,441.00	29.39	196.83	4,049.72	-1,532.30	-444.56	1,594.00	3.73	-3.73	0.35
4,536.00	27.06	196.84	4,133.42	-1,575.30	-457.57	1,638.90	2.45	-2.45	0.01
4,631.00	27.48	197.15	4,217.86	-1,616.93	-470.29	1,682.41	0.47	0.44	0.33
4,727.00	29.12	197.52	4,302.38	-1,660.37	-483.86	1,727.91	1.72	1.71	0.39

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C6-5-6
Project:	Weld County, NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C6-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,822.00	27.96	197.54	4,385.83	-1,703.65	-497.53	1,773.29	1.22	-1.22	0.02
4,918.00	30.53	198.49	4,469.59	-1,748.24	-512.05	1,820.18	2.72	2.68	0.99
5,013.00	27.64	196.44	4,552.60	-1,792.27	-525.94	1,866.34	3.22	-3.04	-2.16
5,109.00	28.61	200.03	4,637.27	-1,835.23	-540.11	1,911.58	2.03	1.01	3.74
5,204.00	30.39	197.65	4,719.96	-1,879.50	-555.19	1,958.35	2.24	1.87	-2.51
5,300.00	27.01	196.83	4,804.15	-1,923.52	-568.87	2,004.43	3.54	-3.52	-0.85
5,395.00	29.01	194.32	4,888.02	-1,966.49	-580.82	2,048.96	2.44	2.11	-2.64
5,491.00	30.77	194.33	4,971.25	-2,012.85	-592.65	2,096.66	1.83	1.83	0.01
5,586.00	26.78	194.34	5,054.50	-2,057.14	-603.97	2,142.26	4.20	-4.20	0.01
5,681.00	27.05	196.88	5,139.21	-2,098.55	-615.55	2,185.19	1.24	0.28	2.67
5,776.00	27.09	195.97	5,223.81	-2,140.02	-627.77	2,228.39	0.44	0.04	-0.96
5,871.00	28.24	196.88	5,307.95	-2,182.32	-640.25	2,272.46	1.29	1.21	0.96
5,966.00	32.40	196.41	5,389.93	-2,228.26	-653.97	2,320.38	4.39	4.38	-0.49
6,061.00	33.23	196.34	5,469.77	-2,277.66	-668.48	2,371.82	0.87	0.87	-0.07
6,156.00	31.84	196.58	5,549.86	-2,326.66	-682.96	2,422.87	1.47	-1.46	0.25
6,252.00	30.68	196.76	5,631.92	-2,374.38	-697.25	2,472.66	1.21	-1.21	0.19
6,346.00	29.58	195.69	5,713.22	-2,419.68	-710.44	2,519.80	1.30	-1.17	-1.14
6,441.00	28.53	196.69	5,796.27	-2,463.99	-723.29	2,565.89	1.22	-1.11	1.05
6,537.00	29.05	196.62	5,880.40	-2,508.28	-736.54	2,612.10	0.54	0.54	-0.07
6,632.00	29.81	199.53	5,963.14	-2,552.64	-751.04	2,658.76	1.70	0.80	3.06
6,727.00	30.95	197.07	6,045.10	-2,598.25	-766.10	2,706.79	1.78	1.20	-2.59
6,822.00	29.55	194.46	6,127.17	-2,644.29	-779.12	2,754.58	2.02	-1.47	-2.75
6,917.00	29.12	195.45	6,209.99	-2,689.26	-791.13	2,801.03	0.68	-0.45	1.04
7,013.00	29.03	196.31	6,293.89	-2,734.13	-803.90	2,847.62	0.45	-0.09	0.90
7,108.00	28.54	195.29	6,377.15	-2,778.14	-816.35	2,893.31	0.73	-0.52	-1.07
7,202.00	27.15	197.00	6,460.27	-2,820.31	-828.55	2,937.17	1.71	-1.48	1.82
7,297.00	25.93	203.86	6,545.27	-2,860.05	-843.29	2,979.53	3.47	-1.28	7.22
7,392.00	31.92	208.39	6,628.40	-2,901.18	-863.65	3,025.01	6.71	6.31	4.77
7,486.00	36.46	217.04	6,706.18	-2,945.39	-892.33	3,076.07	7.07	4.83	9.20
7,582.00	42.28	225.96	6,780.42	-2,990.68	-932.79	3,131.92	8.44	6.06	9.29
7,677.00	44.30	237.67	6,849.68	-3,030.70	-983.88	3,186.19	8.71	2.13	12.33
7,773.00	50.37	245.14	6,914.76	-3,064.23	-1,045.86	3,237.78	8.52	6.32	7.78
7,867.00	56.98	251.51	6,970.45	-3,092.00	-1,116.20	3,286.59	8.90	7.03	6.78
7,962.00	64.99	255.73	7,016.50	-3,115.28	-1,195.85	3,334.13	9.28	8.43	4.44
7,987.00	67.67	255.55	7,026.54	-3,120.96	-1,218.03	3,346.60	10.74	10.72	-0.72
8,082.00	75.78	264.63	7,056.36	-3,136.29	-1,306.73	3,389.50	12.45	8.54	9.56
8,178.00	92.25	271.16	7,066.35	-3,139.70	-1,401.77	3,423.13	18.43	17.16	6.80
8,273.00	91.78	271.92	7,063.01	-3,137.15	-1,496.67	3,451.07	0.94	-0.49	0.80
8,368.00	91.01	273.71	7,060.69	-3,132.49	-1,591.53	3,476.99	2.05	-0.81	1.88
8,463.00	90.71	271.39	7,059.27	-3,128.26	-1,686.42	3,503.34	2.46	-0.32	-2.44
8,558.00	91.24	273.42	7,057.65	-3,124.27	-1,781.31	3,529.92	2.21	0.56	2.14
8,653.00	93.23	274.78	7,053.95	-3,117.49	-1,875.99	3,553.78	2.54	2.09	1.43
8,749.00	93.63	274.00	7,048.20	-3,110.15	-1,971.54	3,577.39	0.91	0.42	-0.81
8,844.00	91.98	274.92	7,043.55	-3,102.77	-2,066.13	3,600.66	1.99	-1.74	0.97

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Design:	OH	Database:	Casper District

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,939.00	89.19	275.48	7,042.58	-3,094.16	-2,160.73	3,622.76	3.00	-2.94	0.59
9,033.00	89.33	276.81	7,043.80	-3,084.10	-2,254.18	3,643.12	1.42	0.15	1.41
9,127.00	87.52	275.92	7,046.38	-3,073.69	-2,347.56	3,663.12	2.15	-1.93	-0.95
9,222.00	89.40	275.36	7,048.93	-3,064.35	-2,442.06	3,684.50	2.06	1.98	-0.59
9,316.00	89.36	275.00	7,049.95	-3,055.87	-2,535.67	3,706.41	0.39	-0.04	-0.38
9,411.00	88.62	274.44	7,051.63	-3,048.05	-2,630.33	3,729.28	0.98	-0.78	-0.59
9,505.00	90.00	274.76	7,052.76	-3,040.51	-2,724.02	3,752.11	1.51	1.47	0.34
9,600.00	91.81	275.62	7,051.26	-3,031.92	-2,818.61	3,774.22	2.11	1.91	0.91
9,694.00	90.91	273.48	7,049.03	-3,024.47	-2,912.28	3,797.13	2.47	-0.96	-2.28
9,789.00	89.56	272.26	7,048.64	-3,019.71	-3,007.16	3,822.97	1.92	-1.42	-1.28
9,883.00	90.44	272.67	7,048.64	-3,015.67	-3,101.07	3,849.18	1.03	0.94	0.44
9,978.00	91.08	272.74	7,047.38	-3,011.19	-3,195.96	3,875.28	0.68	0.67	0.07
10,072.00	90.27	273.19	7,046.27	-3,006.32	-3,289.82	3,900.70	0.99	-0.86	0.48
10,166.00	90.50	273.77	7,045.64	-3,000.62	-3,383.65	3,925.31	0.66	0.24	0.62
10,261.00	90.91	273.48	7,044.47	-2,994.61	-3,478.45	3,949.94	0.53	0.43	-0.31
10,355.00	89.73	274.48	7,043.94	-2,988.09	-3,572.22	3,973.75	1.65	-1.26	1.06
10,449.00	90.64	274.87	7,043.64	-2,980.43	-3,665.90	3,996.46	1.05	0.97	0.41
10,544.00	91.04	274.03	7,042.25	-2,973.06	-3,760.61	4,019.77	0.98	0.42	-0.88
10,638.00	89.19	272.90	7,042.06	-2,967.38	-3,854.43	4,044.40	2.31	-1.97	-1.20
10,733.00	89.73	273.05	7,042.95	-2,962.45	-3,949.30	4,070.07	0.59	0.57	0.16
10,827.00	89.60	274.74	7,043.50	-2,956.06	-4,043.07	4,094.02	1.80	-0.14	1.80
10,921.00	89.36	274.18	7,044.36	-2,948.75	-4,136.78	4,117.07	0.65	-0.26	-0.60
11,016.00	90.70	275.36	7,044.31	-2,940.85	-4,231.45	4,139.87	1.88	1.41	1.24
11,110.00	91.31	275.45	7,042.66	-2,932.00	-4,325.02	4,161.41	0.66	0.65	0.10
11,205.00	90.57	276.00	7,041.10	-2,922.52	-4,419.53	4,182.67	0.97	-0.78	0.58
11,299.00	89.77	274.26	7,040.82	-2,914.12	-4,513.15	4,204.65	2.04	-0.85	-1.85
11,393.00	89.06	272.84	7,041.78	-2,908.30	-4,606.96	4,229.14	1.69	-0.76	-1.51
11,487.00	88.99	271.88	7,043.38	-2,904.43	-4,700.87	4,255.51	1.02	-0.07	-1.02
11,581.00	89.19	271.19	7,044.87	-2,901.91	-4,794.82	4,283.18	0.76	0.21	-0.73
11,676.00	89.56	271.27	7,045.91	-2,899.87	-4,889.79	4,311.63	0.40	0.39	0.08
11,770.00	90.13	272.19	7,046.16	-2,897.03	-4,983.75	4,338.99	1.15	0.61	0.98
11,864.00	91.11	273.67	7,045.15	-2,892.23	-5,077.62	4,364.47	1.89	1.04	1.57
11,959.00	92.39	273.54	7,042.24	-2,886.26	-5,172.38	4,389.12	1.35	1.35	-0.14
12,053.00	92.32	274.66	7,038.38	-2,879.54	-5,266.06	4,412.73	1.19	-0.07	1.19
12,148.00	90.50	275.84	7,036.04	-2,870.85	-5,360.63	4,434.74	2.28	-1.92	1.24
12,242.00	90.74	276.39	7,035.03	-2,860.84	-5,454.09	4,455.15	0.64	0.26	0.59
12,337.00	88.93	275.03	7,035.30	-2,851.39	-5,548.61	4,476.43	2.38	-1.91	-1.43
12,431.00	88.16	274.26	7,037.69	-2,843.78	-5,642.27	4,499.18	1.16	-0.82	-0.82
12,525.00	87.82	273.34	7,040.98	-2,837.56	-5,736.00	4,523.27	1.04	-0.36	-0.98
12,620.00	88.25	272.38	7,044.24	-2,832.82	-5,830.83	4,549.11	1.11	0.45	-1.01
12,714.00	88.66	273.47	7,046.78	-2,828.02	-5,924.67	4,574.58	1.24	0.44	1.16
12,809.00	89.60	274.70	7,048.22	-2,821.26	-6,019.41	4,598.48	1.63	0.99	1.29
12,903.00	88.82	272.27	7,049.52	-2,815.54	-6,113.22	4,623.07	2.71	-0.83	-2.59

Company:	Extraction Oil & Gas	Local Co-ordinate Reference:	Well DT Forbes C6-5-6
Project:	Weld County, NAD 83	TVD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Site:	DT Forbes	MD Reference:	GL 4640' & KB 24.5' @ 4664.50ft (Pat 346)
Well:	DT Forbes C6-5-6	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Casper District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,998.00	89.23	272.22	7,051.13	-2,811.82	-6,208.14	4,649.91	0.43	0.43	-0.05
13,094.00	90.54	273.46	7,051.32	-2,807.07	-6,304.02	4,676.07	1.88	1.36	1.29
13,188.00	89.43	271.29	7,051.35	-2,803.17	-6,397.93	4,702.42	2.59	-1.18	-2.31
13,282.00	90.64	271.38	7,051.29	-2,800.98	-6,491.90	4,730.40	1.29	1.29	0.10
13,376.00	90.97	271.79	7,049.97	-2,798.38	-6,585.85	4,758.00	0.56	0.35	0.44
13,471.00	90.74	274.39	7,048.55	-2,793.26	-6,680.70	4,783.48	2.75	-0.24	2.74
13,567.00	89.43	276.42	7,048.41	-2,784.22	-6,776.26	4,805.48	2.52	-1.36	2.11
13,661.00	89.23	274.89	7,049.51	-2,774.96	-6,869.80	4,826.63	1.64	-0.21	-1.63
13,756.00	88.09	275.41	7,051.73	-2,766.43	-6,964.39	4,848.81	1.32	-1.20	0.55
13,851.00	87.45	274.66	7,055.43	-2,758.10	-7,058.95	4,871.16	1.04	-0.67	-0.79
13,947.00	88.99	274.49	7,058.41	-2,750.45	-7,154.59	4,894.50	1.61	1.60	-0.18
14,042.00	90.03	275.62	7,059.22	-2,742.08	-7,249.22	4,916.84	1.62	1.09	1.19
14,138.00	91.21	276.64	7,058.18	-2,731.83	-7,344.66	4,937.66	1.62	1.23	1.06
14,233.00	90.47	275.48	7,056.79	-2,721.80	-7,439.11	4,958.37	1.45	-0.78	-1.22
14,327.00	89.23	275.35	7,057.04	-2,712.93	-7,532.69	4,979.90	1.33	-1.32	-0.14
14,422.00	89.50	274.84	7,058.09	-2,704.49	-7,627.31	5,002.17	0.61	0.28	-0.54
14,516.00	90.27	274.75	7,058.28	-2,696.64	-7,720.98	5,024.69	0.82	0.82	-0.10
14,611.00	89.73	274.52	7,058.28	-2,688.96	-7,815.67	5,047.71	0.62	-0.57	-0.24
14,706.00	89.36	273.00	7,059.03	-2,682.73	-7,910.46	5,072.13	1.65	-0.39	-1.60
14,800.00	88.73	271.74	7,060.60	-2,678.84	-8,004.36	5,098.48	1.50	-0.67	-1.34
14,895.00	87.95	271.17	7,063.35	-2,676.43	-8,099.29	5,126.56	1.02	-0.82	-0.60
14,989.00	88.96	270.95	7,065.89	-2,674.69	-8,193.24	5,154.97	1.10	1.07	-0.23
15,084.00	90.40	272.07	7,066.42	-2,672.19	-8,288.20	5,182.97	1.92	1.52	1.18
15,178.00	91.78	272.68	7,064.63	-2,668.30	-8,382.10	5,209.32	1.61	1.47	0.65
15,178.03	91.78	272.68	7,064.63	-2,668.29	-8,382.13	5,209.32	0.00	0.00	0.00
Last SDI MWD Survey									
15,244.00	91.78	272.68	7,062.58	-2,665.21	-8,448.00	5,227.47	0.00	0.00	0.00
Projection to TD									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
162.00	162.00	-0.22	-0.52	First Ensco MWD Survey
1,509.00	1,485.77	-178.07	-60.12	Last Ensco MWD Survey
1,593.00	1,563.79	-207.80	-69.26	First SDI MWD Survey
15,178.03	7,064.63	-2,668.29	-8,382.13	Last SDI MWD Survey
15,244.00	7,062.58	-2,665.21	-8,448.00	Projection to TD

Checked By: _____ Approved By: _____ Date: _____