

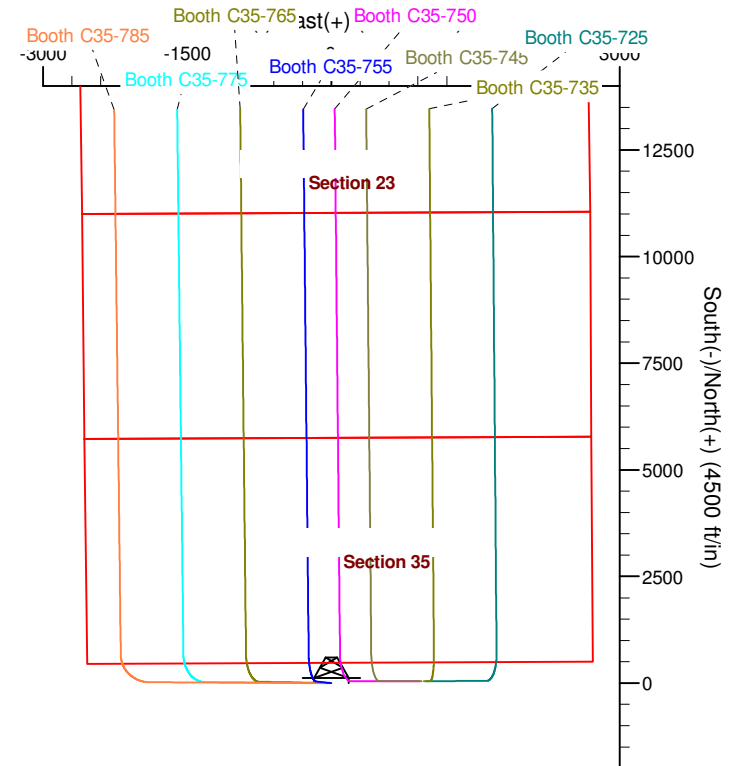
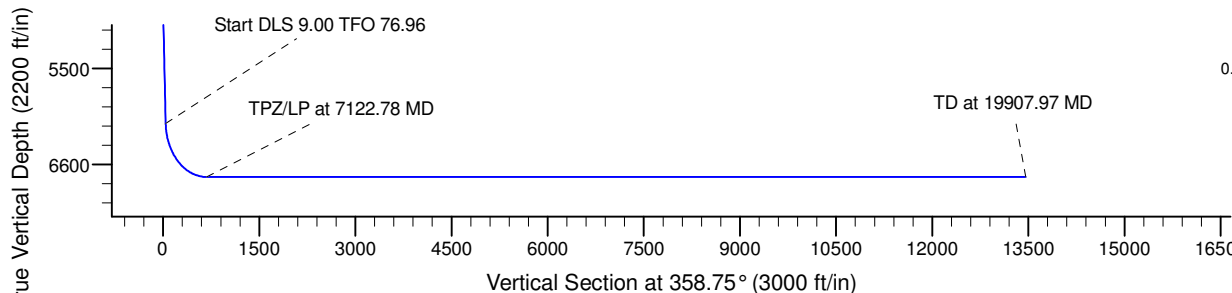
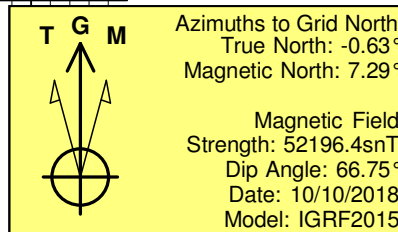
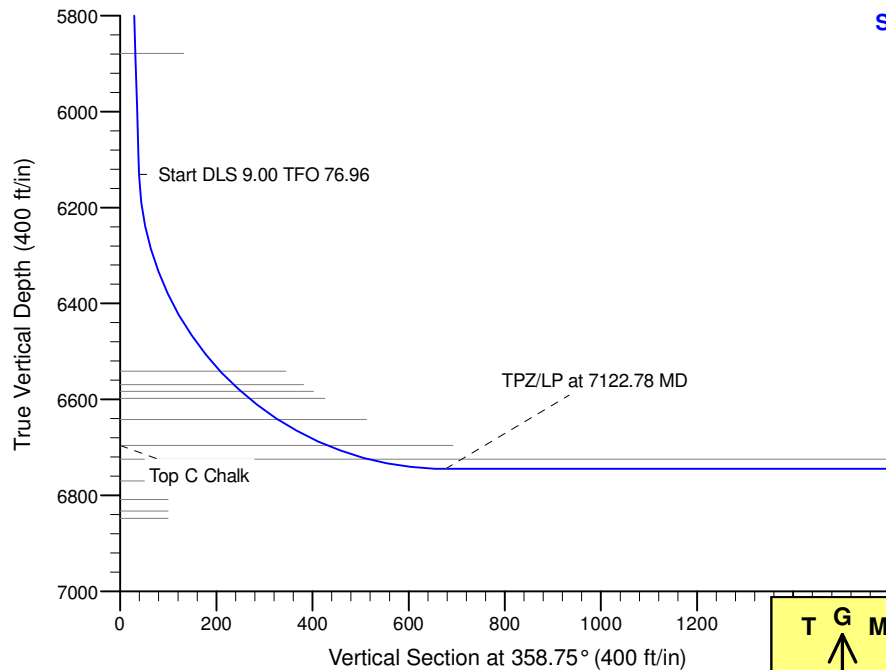
Project: Mustang  
Site: C Section 35  
Well: Booth C35-755  
Wellbore: Wellbore #1  
Design: Plan #1

# Northern Region - DJ Basin

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

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	
3	5013.25	7.21	282.89	5012.42	4.39	-19.20	2.30	282.89	4.81	
4	6140.96	7.21	282.89	6131.20	35.97	-157.25	0.00	0.00	39.38	
5	7122.78	90.00	359.75	6745.00	671.99	-235.74	9.00	76.96	676.96	TPZ Booth C35-755
6	19907.97	90.00	359.75	6745.00	13457.05	-292.46	0.00	0.00	13460.23	BHL Booth C35-755



## WELL DETAILS: Booth C35-755

	Northing	Easting	Latitude	Longitude
0.00	0.00	1339238.41	4699.00	-104.5185900

Plan: Plan #1 (Booth C35-755/Wellbore #1)

Created By: Colby Baxter Date: 10:58, October 10 2018

Checked: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

# **Northern Region - DJ Basin**

**Mustang**

**C Section 35**

**Booth C35-755**

**Wellbore #1**

**Plan: Plan #1**

## **Standard Survey Report**

**10 October, 2018**

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

<b>Project</b>	Mustang, Weld County Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site	C Section 35				
Site Position:		Northing:	1,344,449.62 usft	Latitude:	40.2746900
From:	Lat/Long	Easting:	3,275,933.42 usft	Longitude:	-104.5110600
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.64 °

Well	Booth C35-755					
Well Position	+N/-S	0.00 ft	Northing:	1,339,238.41 usft	Latitude:	40.2604480
	+E/-W	0.00 ft	Easting:	3,273,889.91 usft	Longitude:	-104.5185900
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,699.00 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	10/10/2018	7.93	66.75	52,196.42424324

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	358.75	

<b>Survey Tool Program</b>	<b>Date</b>	10/10/2018			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.00	19,907.97	Plan #1 (Wellbore #1)	2_MWD+IFR1	A005Mb: IFR declination correction only	

<b>Planned Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

### Planned 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)
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	2.30	282.89	4,799.97	0.45	-1.96	0.49	2.30	2.30	0.00
4,900.00	4.61	282.89	4,899.78	1.79	-7.83	1.96	2.30	2.30	0.00
5,000.00	6.91	282.89	4,999.27	4.03	-17.61	4.41	2.30	2.30	0.00
5,013.25	7.21	282.89	5,012.42	4.39	-19.20	4.81	2.30	2.30	0.00
5,100.00	7.21	282.89	5,098.49	6.82	-29.82	7.47	0.00	0.00	0.00
5,200.00	7.21	282.89	5,197.69	9.62	-42.06	10.53	0.00	0.00	0.00

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

Planned 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)
5,300.00	7.21	282.89	5,296.90	12.42	-54.30	13.60	0.00	0.00	0.00
5,400.00	7.21	282.89	5,396.11	15.22	-66.54	16.67	0.00	0.00	0.00
5,500.00	7.21	282.89	5,495.32	18.02	-78.79	19.73	0.00	0.00	0.00
5,600.00	7.21	282.89	5,594.53	20.82	-91.03	22.80	0.00	0.00	0.00
5,700.00	7.21	282.89	5,693.74	23.63	-103.27	25.86	0.00	0.00	0.00
5,800.00	7.21	282.89	5,792.94	26.43	-115.51	28.93	0.00	0.00	0.00
5,900.00	7.21	282.89	5,892.15	29.23	-127.75	32.00	0.00	0.00	0.00
6,000.00	7.21	282.89	5,991.36	32.03	-140.00	35.06	0.00	0.00	0.00
6,100.00	7.21	282.89	6,090.57	34.83	-152.24	38.13	0.00	0.00	0.00
6,140.96	7.21	282.89	6,131.20	35.97	-157.25	39.38	0.00	0.00	0.00
6,200.00	9.87	314.64	6,189.62	40.36	-164.47	43.92	9.00	4.50	53.78
6,300.00	17.39	336.57	6,286.79	60.14	-176.54	63.96	9.00	7.52	21.93
6,400.00	25.86	345.01	6,379.69	94.99	-188.14	99.06	9.00	8.47	8.44
6,500.00	34.58	349.45	6,466.02	144.06	-199.00	148.35	9.00	8.72	4.43
6,600.00	43.41	352.26	6,543.67	206.13	-208.85	210.62	9.00	8.83	2.81
6,700.00	52.29	354.28	6,610.72	279.69	-217.44	284.35	9.00	8.88	2.02
6,800.00	61.19	355.86	6,665.51	362.91	-224.57	367.71	9.00	8.90	1.58
6,900.00	70.11	357.19	6,706.71	453.76	-230.05	458.65	9.00	8.92	1.33
7,000.00	79.03	358.38	6,733.29	549.98	-233.75	554.93	9.00	8.93	1.19
7,100.00	87.97	359.49	6,744.60	649.22	-235.59	654.19	9.00	8.93	1.12
7,122.78	90.00	359.75	6,745.00	671.99	-235.74	676.96	9.00	8.93	1.10
7,200.00	90.00	359.75	6,745.00	749.21	-236.08	754.17	0.00	0.00	0.00
7,300.00	90.00	359.75	6,745.00	849.21	-236.52	854.15	0.00	0.00	0.00
7,400.00	90.00	359.75	6,745.00	949.21	-236.97	954.14	0.00	0.00	0.00
7,500.00	90.00	359.75	6,745.00	1,049.21	-237.41	1,054.12	0.00	0.00	0.00
7,600.00	90.00	359.75	6,745.00	1,149.21	-237.85	1,154.11	0.00	0.00	0.00
7,700.00	90.00	359.75	6,745.00	1,249.21	-238.30	1,254.09	0.00	0.00	0.00
7,800.00	90.00	359.75	6,745.00	1,349.21	-238.74	1,354.08	0.00	0.00	0.00
7,900.00	90.00	359.75	6,745.00	1,449.21	-239.18	1,454.06	0.00	0.00	0.00
8,000.00	90.00	359.75	6,745.00	1,549.21	-239.63	1,554.05	0.00	0.00	0.00
8,100.00	90.00	359.75	6,745.00	1,649.21	-240.07	1,654.03	0.00	0.00	0.00
8,200.00	90.00	359.75	6,745.00	1,749.20	-240.52	1,754.02	0.00	0.00	0.00
8,300.00	90.00	359.75	6,745.00	1,849.20	-240.96	1,854.00	0.00	0.00	0.00
8,400.00	90.00	359.75	6,745.00	1,949.20	-241.40	1,953.99	0.00	0.00	0.00
8,500.00	90.00	359.75	6,745.00	2,049.20	-241.85	2,053.97	0.00	0.00	0.00
8,600.00	90.00	359.75	6,745.00	2,149.20	-242.29	2,153.96	0.00	0.00	0.00
8,700.00	90.00	359.75	6,745.00	2,249.20	-242.73	2,253.94	0.00	0.00	0.00
8,800.00	90.00	359.75	6,745.00	2,349.20	-243.18	2,353.93	0.00	0.00	0.00
8,900.00	90.00	359.75	6,745.00	2,449.20	-243.62	2,453.91	0.00	0.00	0.00
9,000.00	90.00	359.75	6,745.00	2,549.20	-244.07	2,553.90	0.00	0.00	0.00
9,100.00	90.00	359.75	6,745.00	2,649.20	-244.51	2,653.88	0.00	0.00	0.00
9,200.00	90.00	359.75	6,745.00	2,749.19	-244.95	2,753.87	0.00	0.00	0.00
9,300.00	90.00	359.75	6,745.00	2,849.19	-245.40	2,853.85	0.00	0.00	0.00

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

### Planned 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)
9,400.00	90.00	359.75	6,745.00	2,949.19	-245.84	2,953.84	0.00	0.00	0.00
9,500.00	90.00	359.75	6,745.00	3,049.19	-246.28	3,053.82	0.00	0.00	0.00
9,600.00	90.00	359.75	6,745.00	3,149.19	-246.73	3,153.81	0.00	0.00	0.00
9,700.00	90.00	359.75	6,745.00	3,249.19	-247.17	3,253.79	0.00	0.00	0.00
9,800.00	90.00	359.75	6,745.00	3,349.19	-247.61	3,353.78	0.00	0.00	0.00
9,900.00	90.00	359.75	6,745.00	3,449.19	-248.06	3,453.76	0.00	0.00	0.00
10,000.00	90.00	359.75	6,745.00	3,549.19	-248.50	3,553.75	0.00	0.00	0.00
10,100.00	90.00	359.75	6,745.00	3,649.19	-248.95	3,653.73	0.00	0.00	0.00
10,200.00	90.00	359.75	6,745.00	3,749.18	-249.39	3,753.72	0.00	0.00	0.00
10,300.00	90.00	359.75	6,745.00	3,849.18	-249.83	3,853.70	0.00	0.00	0.00
10,400.00	90.00	359.75	6,745.00	3,949.18	-250.28	3,953.69	0.00	0.00	0.00
10,500.00	90.00	359.75	6,745.00	4,049.18	-250.72	4,053.67	0.00	0.00	0.00
10,600.00	90.00	359.75	6,745.00	4,149.18	-251.16	4,153.66	0.00	0.00	0.00
10,700.00	90.00	359.75	6,745.00	4,249.18	-251.61	4,253.64	0.00	0.00	0.00
10,800.00	90.00	359.75	6,745.00	4,349.18	-252.05	4,353.63	0.00	0.00	0.00
10,900.00	90.00	359.75	6,745.00	4,449.18	-252.50	4,453.61	0.00	0.00	0.00
11,000.00	90.00	359.75	6,745.00	4,549.18	-252.94	4,553.60	0.00	0.00	0.00
11,100.00	90.00	359.75	6,745.00	4,649.18	-253.38	4,653.58	0.00	0.00	0.00
11,200.00	90.00	359.75	6,745.00	4,749.17	-253.83	4,753.57	0.00	0.00	0.00
11,300.00	90.00	359.75	6,745.00	4,849.17	-254.27	4,853.55	0.00	0.00	0.00
11,400.00	90.00	359.75	6,745.00	4,949.17	-254.71	4,953.54	0.00	0.00	0.00
11,500.00	90.00	359.75	6,745.00	5,049.17	-255.16	5,053.52	0.00	0.00	0.00
11,600.00	90.00	359.75	6,745.00	5,149.17	-255.60	5,153.51	0.00	0.00	0.00
11,700.00	90.00	359.75	6,745.00	5,249.17	-256.04	5,253.49	0.00	0.00	0.00
11,800.00	90.00	359.75	6,745.00	5,349.17	-256.49	5,353.48	0.00	0.00	0.00
11,900.00	90.00	359.75	6,745.00	5,449.17	-256.93	5,453.46	0.00	0.00	0.00
12,000.00	90.00	359.75	6,745.00	5,549.17	-257.38	5,553.45	0.00	0.00	0.00
12,100.00	90.00	359.75	6,745.00	5,649.17	-257.82	5,653.43	0.00	0.00	0.00
12,200.00	90.00	359.75	6,745.00	5,749.16	-258.26	5,753.42	0.00	0.00	0.00
12,300.00	90.00	359.75	6,745.00	5,849.16	-258.71	5,853.40	0.00	0.00	0.00
12,400.00	90.00	359.75	6,745.00	5,949.16	-259.15	5,953.39	0.00	0.00	0.00
12,500.00	90.00	359.75	6,745.00	6,049.16	-259.59	6,053.37	0.00	0.00	0.00
12,600.00	90.00	359.75	6,745.00	6,149.16	-260.04	6,153.36	0.00	0.00	0.00
12,700.00	90.00	359.75	6,745.00	6,249.16	-260.48	6,253.34	0.00	0.00	0.00
12,800.00	90.00	359.75	6,745.00	6,349.16	-260.93	6,353.33	0.00	0.00	0.00
12,900.00	90.00	359.75	6,745.00	6,449.16	-261.37	6,453.31	0.00	0.00	0.00
13,000.00	90.00	359.75	6,745.00	6,549.16	-261.81	6,553.30	0.00	0.00	0.00
13,100.00	90.00	359.75	6,745.00	6,649.16	-262.26	6,653.28	0.00	0.00	0.00
13,200.00	90.00	359.75	6,745.00	6,749.15	-262.70	6,753.27	0.00	0.00	0.00
13,300.00	90.00	359.75	6,745.00	6,849.15	-263.14	6,853.25	0.00	0.00	0.00
13,400.00	90.00	359.75	6,745.00	6,949.15	-263.59	6,953.24	0.00	0.00	0.00
13,500.00	90.00	359.75	6,745.00	7,049.15	-264.03	7,053.22	0.00	0.00	0.00
13,600.00	90.00	359.75	6,745.00	7,149.15	-264.47	7,153.21	0.00	0.00	0.00

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

### Planned 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)
13,700.00	90.00	359.75	6,745.00	7,249.15	-264.92	7,253.19	0.00	0.00	0.00
13,800.00	90.00	359.75	6,745.00	7,349.15	-265.36	7,353.18	0.00	0.00	0.00
13,900.00	90.00	359.75	6,745.00	7,449.15	-265.81	7,453.16	0.00	0.00	0.00
14,000.00	90.00	359.75	6,745.00	7,549.15	-266.25	7,553.15	0.00	0.00	0.00
14,100.00	90.00	359.75	6,745.00	7,649.15	-266.69	7,653.14	0.00	0.00	0.00
14,200.00	90.00	359.75	6,745.00	7,749.15	-267.14	7,753.12	0.00	0.00	0.00
14,300.00	90.00	359.75	6,745.00	7,849.14	-267.58	7,853.11	0.00	0.00	0.00
14,400.00	90.00	359.75	6,745.00	7,949.14	-268.02	7,953.09	0.00	0.00	0.00
14,500.00	90.00	359.75	6,745.00	8,049.14	-268.47	8,053.08	0.00	0.00	0.00
14,600.00	90.00	359.75	6,745.00	8,149.14	-268.91	8,153.06	0.00	0.00	0.00
14,700.00	90.00	359.75	6,745.00	8,249.14	-269.35	8,253.05	0.00	0.00	0.00
14,800.00	90.00	359.75	6,745.00	8,349.14	-269.80	8,353.03	0.00	0.00	0.00
14,900.00	90.00	359.75	6,745.00	8,449.14	-270.24	8,453.02	0.00	0.00	0.00
15,000.00	90.00	359.75	6,745.00	8,549.14	-270.69	8,553.00	0.00	0.00	0.00
15,100.00	90.00	359.75	6,745.00	8,649.14	-271.13	8,652.99	0.00	0.00	0.00
15,200.00	90.00	359.75	6,745.00	8,749.14	-271.57	8,752.97	0.00	0.00	0.00
15,300.00	90.00	359.75	6,745.00	8,849.13	-272.02	8,852.96	0.00	0.00	0.00
15,400.00	90.00	359.75	6,745.00	8,949.13	-272.46	8,952.94	0.00	0.00	0.00
15,500.00	90.00	359.75	6,745.00	9,049.13	-272.90	9,052.93	0.00	0.00	0.00
15,600.00	90.00	359.75	6,745.00	9,149.13	-273.35	9,152.91	0.00	0.00	0.00
15,700.00	90.00	359.75	6,745.00	9,249.13	-273.79	9,252.90	0.00	0.00	0.00
15,800.00	90.00	359.75	6,745.00	9,349.13	-274.24	9,352.88	0.00	0.00	0.00
15,900.00	90.00	359.75	6,745.00	9,449.13	-274.68	9,452.87	0.00	0.00	0.00
16,000.00	90.00	359.75	6,745.00	9,549.13	-275.12	9,552.85	0.00	0.00	0.00
16,100.00	90.00	359.75	6,745.00	9,649.13	-275.57	9,652.84	0.00	0.00	0.00
16,200.00	90.00	359.75	6,745.00	9,749.13	-276.01	9,752.82	0.00	0.00	0.00
16,300.00	90.00	359.75	6,745.00	9,849.12	-276.45	9,852.81	0.00	0.00	0.00
16,400.00	90.00	359.75	6,745.00	9,949.12	-276.90	9,952.79	0.00	0.00	0.00
16,500.00	90.00	359.75	6,745.00	10,049.12	-277.34	10,052.78	0.00	0.00	0.00
16,600.00	90.00	359.75	6,745.00	10,149.12	-277.78	10,152.76	0.00	0.00	0.00
16,700.00	90.00	359.75	6,745.00	10,249.12	-278.23	10,252.75	0.00	0.00	0.00
16,800.00	90.00	359.75	6,745.00	10,349.12	-278.67	10,352.73	0.00	0.00	0.00
16,900.00	90.00	359.75	6,745.00	10,449.12	-279.12	10,452.72	0.00	0.00	0.00
17,000.00	90.00	359.75	6,745.00	10,549.12	-279.56	10,552.70	0.00	0.00	0.00
17,100.00	90.00	359.75	6,745.00	10,649.12	-280.00	10,652.69	0.00	0.00	0.00
17,200.00	90.00	359.75	6,745.00	10,749.12	-280.45	10,752.67	0.00	0.00	0.00
17,300.00	90.00	359.75	6,745.00	10,849.11	-280.89	10,852.66	0.00	0.00	0.00
17,400.00	90.00	359.75	6,745.00	10,949.11	-281.33	10,952.64	0.00	0.00	0.00
17,500.00	90.00	359.75	6,745.00	11,049.11	-281.78	11,052.63	0.00	0.00	0.00
17,600.00	90.00	359.75	6,745.00	11,149.11	-282.22	11,152.61	0.00	0.00	0.00
17,700.00	90.00	359.75	6,745.00	11,249.11	-282.67	11,252.60	0.00	0.00	0.00
17,800.00	90.00	359.75	6,745.00	11,349.11	-283.11	11,352.58	0.00	0.00	0.00
17,900.00	90.00	359.75	6,745.00	11,449.11	-283.55	11,452.57	0.00	0.00	0.00
18,000.00	90.00	359.75	6,745.00	11,549.11	-284.00	11,552.55	0.00	0.00	0.00

# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

### Planned 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)
18,100.00	90.00	359.75	6,745.00	11,649.11	-284.44	11,652.54	0.00	0.00	0.00
18,200.00	90.00	359.75	6,745.00	11,749.11	-284.88	11,752.52	0.00	0.00	0.00
18,300.00	90.00	359.75	6,745.00	11,849.10	-285.33	11,852.51	0.00	0.00	0.00
18,400.00	90.00	359.75	6,745.00	11,949.10	-285.77	11,952.49	0.00	0.00	0.00
18,500.00	90.00	359.75	6,745.00	12,049.10	-286.21	12,052.48	0.00	0.00	0.00
18,600.00	90.00	359.75	6,745.00	12,149.10	-286.66	12,152.46	0.00	0.00	0.00
18,700.00	90.00	359.75	6,745.00	12,249.10	-287.10	12,252.45	0.00	0.00	0.00
18,800.00	90.00	359.75	6,745.00	12,349.10	-287.55	12,352.43	0.00	0.00	0.00
18,900.00	90.00	359.75	6,745.00	12,449.10	-287.99	12,452.42	0.00	0.00	0.00
19,000.00	90.00	359.75	6,745.00	12,549.10	-288.43	12,552.40	0.00	0.00	0.00
19,100.00	90.00	359.75	6,745.00	12,649.10	-288.88	12,652.39	0.00	0.00	0.00
19,200.00	90.00	359.75	6,745.00	12,749.10	-289.32	12,752.37	0.00	0.00	0.00
19,300.00	90.00	359.75	6,745.00	12,849.10	-289.76	12,852.36	0.00	0.00	0.00
19,400.00	90.00	359.75	6,745.00	12,949.09	-290.21	12,952.34	0.00	0.00	0.00
19,500.00	90.00	359.75	6,745.00	13,049.09	-290.65	13,052.33	0.00	0.00	0.00
19,600.00	90.00	359.75	6,745.00	13,149.09	-291.10	13,152.31	0.00	0.00	0.00
19,700.00	90.00	359.75	6,745.00	13,249.09	-291.54	13,252.30	0.00	0.00	0.00
19,800.00	90.00	359.75	6,745.00	13,349.09	-291.98	13,352.28	0.00	0.00	0.00
19,900.00	90.00	359.75	6,745.00	13,449.09	-292.43	13,452.27	0.00	0.00	0.00
19,907.97	90.00	359.75	6,745.00	13,457.05	-292.46	13,460.23	0.00	0.00	0.00

### Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL Booth C35-755 - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	1,339,238.41	3,273,889.91	40.2604480	-104.5185900
KOP Booth C35-755 - plan hits target center - Point	0.00	0.00	6,131.21	35.97	-157.25	1,339,274.38	3,273,732.66	40.2605515	-104.5191520
TPZ Booth C35-755 - plan hits target center - Point	0.00	0.00	6,745.00	671.99	-235.74	1,339,910.40	3,273,654.17	40.2622997	-104.5194080
BHL Booth C35-755 - plan hits target center - Point	0.00	0.00	6,745.00	13,457.05	-292.46	1,352,695.43	3,273,597.45	40.2973952	-104.5191045



# Noble Energy, Inc.

## Survey Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Well:</b>	Booth C35-755	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan #1	<b>Database:</b>	EDMP

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
412.00	412.00	Pierre				
595.00	595.00	Upper Pierre Aquifer Top				
1,499.00	1,499.00	Upper Pierre Aquifer Base				
3,617.00	3,617.00	Parkman				
4,291.00	4,291.00	Sussex				
4,821.05	4,821.00	Shannon				
5,886.74	5,879.00	Teepee Buttes				
6,596.33	6,541.00	Sharon Springs				
6,635.82	6,569.00	Top A Chalk				
6,656.55	6,583.00	Top A Marl				
6,679.62	6,598.00	Top B Chalk				
6,754.14	6,642.00	Top B Marl				
6,870.41	6,696.00	Top C Chalk				
6,962.17	6,725.00	Top C Marl				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
4700	4700	0	0	Start Build 2.30	
6141	6131	36	-157	Start DLS 9.00 TFO 76.96	
7123	6745	672	-236	TPZ/LP at 7122.78 MD	
19,908	6745	13,457	-292	TD at 19907.97 MD	

Checked By: _____	Approved By: _____	Date: _____
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# **Northern Region - DJ Basin**

**Mustang**

**C Section 35**

**Booth C35-755**

**Wellbore #1**

**Plan #1**

## **Anticollision Summary Report**

**10 October, 2018**

**Noble Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<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 10,000.00 ft	<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>	10/10/2018		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	19,907.97	Plan #1 (Wellbore #1)	2_MWD+IFR1	A005Mb: IFR declination correction only

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
C Section 23						
BOOTH #23-12I4(PR) - Wellbore #1 - No Surveys	19,853.94	6,672.00	1,828.23	1,622.96	8.907	CC, ES
BOOTH #23-12I4(PR) - Wellbore #1 - No Surveys	19,907.97	6,672.00	1,829.03	1,623.20	8.886	SF
BOOTH C #23-20(PR) - Wellbore #1 - No Surveys	19,907.97	6,674.00	1,018.56	812.82	4.951	CC, ES, SF
COLEMAN #23-6I4(PR) - Wellbore #1 - No Surveys	19,907.97	6,671.00	1,010.90	890.85	8.420	CC, ES, SF
COLEMAN #C23-31D(PR) - Wellbore #1 - MWD	19,907.97	6,819.22	2,725.89	2,579.65	18.639	CC, ES, SF
Coleman C #23-04(PR) - Wellbore #1 - No Surveys	19,907.97	6,668.00	2,744.11	2,594.14	18.299	CC, ES, SF
COLEMAN C #23-19(PR) - Wellbore #1 - No Surveys	19,907.97	6,670.00	1,844.65	1,708.83	13.582	CC, ES, SF
COLEMAN C #23-21(PR) - Wellbore #1 - No Surveys	19,907.97	6,673.00	384.41	262.81	3.161	CC, ES, SF
Coleman C #23-29D(SI) - Wellbore #1 - MWD Surveys	19,907.97	6,864.87	2,955.35	2,871.46	35.230	CC, ES, SF
KISSLER #1(SI) - Wellbore #1 - Gyro	18,127.93	2,027.67	1,671.39	1,535.97	12.343	CC, ES
KISSLER #1(SI) - Wellbore #1 - Gyro	18,300.00	2,025.86	1,680.22	1,543.47	12.287	SF
KISSLER #2(PR) - Wellbore #1 - No Surveys	19,430.19	6,678.00	344.26	143.50	1.715	CC, ES, SF
KISSLER #3(DA) - Wellbore #1 - No Surveys	18,110.30	6,681.00	350.32	163.70	1.877	CC, ES, SF
KISSLER #3X(SI) - Wellbore #1 - Gyro	17,985.91	6,692.46	395.77	245.57	2.635	CC, ES
KISSLER #3X(SI) - Wellbore #1 - Gyro	18,000.00	6,692.51	396.02	245.70	2.634	SF
SATER C #23-15(PA) - Wellbore #1 - Gyro	17,934.82	6,717.06	825.39	675.55	5.509	CC, ES, SF
SATER C #23-17(PR) - Wellbore #1 - No Surveys	19,907.97	6,668.00	2,268.66	2,095.21	13.079	CC, ES, SF
SATER C #23-22(PR) - Wellbore #1 - No Surveys	19,907.97	6,676.00	1,570.07	1,366.17	7.700	CC, ES, SF
SATER C #23-24(PR) - Wellbore #1 - Gyro	18,582.07	6,688.03	432.02	275.45	2.759	CC, ES, SF
SATER C #23-28D(PR) - Wellbore #1 - MWD Surveys	19,907.97	6,831.36	2,794.79	2,728.42	42.110	CC, ES, SF
Sater C24-79HN - Original Drilling - Original Drilling	19,878.96	8,245.00	3,017.12	2,830.15	16.137	CC
Sater C24-79HN - Original Drilling - Original Drilling	19,907.97	8,258.96	3,017.19	2,829.72	16.094	ES, SF
Sater C25-69HN - Original Drilling - Original Drilling	17,620.60	6,177.53	3,525.07	3,389.25	25.953	CC, ES
Sater C25-69HN - Original Drilling - Original Drilling	18,100.00	6,176.22	3,557.52	3,418.15	25.526	SF
Sater C25-79HN - Original Drilling - Original Drilling	15,600.00	15,600.00	2,846.34	2,602.00	11.649	ES, SF
Sater C25-79HN - Original Drilling - Original Drilling	18,029.48	6,603.21	2,814.93	2,665.75	18.869	CC
Sater C26-69HN - Original Drilling - Original Drilling	17,576.47	9,119.79	40.41	-66.00	0.380	Level 1, CC, SF
Sater C26-69HN - Original Drilling - Original Drilling	17,600.00	9,119.13	46.76	-67.39	0.410	Level 1, ES
UPRC #23-2I4(PR) - Wellbore #1 - No Surveys	19,907.97	6,665.00	2,378.02	2,240.17	17.250	CC, ES, SF
UPV #23-10I4(PR) - Wellbore #1 - No Surveys	19,608.98	6,676.00	796.83	594.16	3.932	CC, ES, SF
UPV #23-15I4(PA) - Wellbore #1 - Gyro	18,533.94	6,762.95	1,484.31	1,328.06	9.500	CC, ES
UPV #23-15I4(PA) - Wellbore #1 - Gyro	18,600.00	6,763.88	1,485.78	1,329.01	9.477	SF
UPV #23-16I4(PR) - Wellbore #1 - Gyro	18,018.50	6,642.74	2,409.57	2,259.22	16.027	CC, ES
UPV #23-16I4(PR) - Wellbore #1 - Gyro	18,200.00	6,637.29	2,416.39	2,264.58	15.917	SF
UPV #23-1I4(SI) - Wellbore #1 - Gyro Surveys	19,907.97	6,670.38	3,306.35	3,175.40	25.248	CC, ES, SF
UPV #23-7I4(PR) - Wellbore #1 - No Surveys	19,907.97	6,672.00	1,119.51	952.99	6.723	CC, ES, SF
UPV #23-8I4(PR) - Wellbore #1 - Gyro Surveys	19,907.97	6,719.88	2,475.34	2,313.22	15.268	CC, ES, SF

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

**Noble Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
C Section 23						
UPV #23-914(PR) - Wellbore #1 - Gyro Surveys	19,611.58	6,764.69	2,536.85	2,368.97	15.111	CC, ES
UPV #23-914(PR) - Wellbore #1 - Gyro Surveys	19,800.00	6,765.20	2,543.84	2,374.42	15.015	SF
VOLKENS #1(SI) - Wellbore #1 - No Surveys	19,907.97	6,671.00	1,844.71	1,654.32	9.689	CC, ES, SF
VOLKENS #2(SI) - Wellbore #1 - No Surveys	19,907.97	4,650.00	2,983.88	2,875.30	27.480	CC, ES, SF
C Section 26						
BOOTH C #26-12(PR) - Wellbore #1 - No Surveys	14,271.95	6,694.00	1,751.48	1,605.54	12.001	CC
BOOTH C #26-12(PR) - Wellbore #1 - No Surveys	14,300.00	6,694.00	1,751.71	1,605.46	11.978	ES
BOOTH C #26-12(PR) - Wellbore #1 - No Surveys	14,400.00	6,694.00	1,756.16	1,608.99	11.933	SF
DINNEL #1(PR) - Wellbore #1 - No Surveys	15,457.90	6,691.00	1,671.09	1,512.67	10.548	CC, ES
DINNEL #1(PR) - Wellbore #1 - No Surveys	15,600.00	6,691.00	1,677.12	1,517.42	10.501	SF
DINNEL #2(PA) - Wellbore #1 - Gyro	16,782.38	6,700.05	339.82	202.52	2.475	CC, ES, SF
DINNEL #26-4(SI) - Wellbore #1 - Gyro	16,772.02	6,696.81	1,709.42	1,572.21	12.458	CC
DINNEL #26-4(SI) - Wellbore #1 - Gyro	16,800.00	6,696.02	1,709.65	1,572.13	12.432	ES
DINNEL #26-4(SI) - Wellbore #1 - Gyro	16,900.00	6,693.21	1,714.20	1,575.83	12.388	SF
DINNEL #3(PR) - Wellbore #1 - No Surveys	15,466.51	6,689.00	362.69	204.19	2.288	CC, ES, SF
DINNEL C #26-18(PR) - Wellbore #1 - No Surveys	16,101.88	6,688.00	137.78	-27.45	0.834	Level 1, CC, ES, SF
DINNEL C #26-19(SI) - Wellbore #1 - No Surveys	16,197.21	6,681.00	1,148.67	982.48	6.912	CC
DINNEL C #26-19(SI) - Wellbore #1 - No Surveys	16,200.00	6,681.00	1,148.67	982.45	6.911	ES
DINNEL C #26-19(SI) - Wellbore #1 - No Surveys	16,300.00	6,681.00	1,153.26	986.26	6.906	SF
DINNEL C #26-20(PR) - Wellbore #1 - No Surveys	14,998.10	6,691.00	1,013.84	860.28	6.602	CC
DINNEL C #26-20(PR) - Wellbore #1 - No Surveys	15,000.00	6,691.00	1,013.84	860.26	6.601	ES, SF
DINNEL C #26-21D(PR) - Wellbore #1 - No Surveys	15,437.20	6,690.00	333.49	175.29	2.108	CC, ES, SF
PROSPECT CO #26-1014(PR) - Wellbore #1 - No Survey	13,823.91	6,690.00	1,338.95	1,197.73	9.481	CC, ES
PROSPECT CO #26-1014(PR) - Wellbore #1 - No Survey	13,900.00	6,690.00	1,341.11	1,199.29	9.457	SF
PROSPECT CO #26-1114(PR) - Wellbore #1 - No Survey	14,348.76	6,694.00	320.43	173.68	2.184	CC, ES, SF
PROSPECT CO #26-1214(PR) - Wellbore #1 - No Survey	13,646.40	6,694.00	1,260.23	1,120.83	9.040	CC, ES
PROSPECT CO #26-1214(PR) - Wellbore #1 - No Survey	13,700.00	6,694.00	1,261.37	1,121.42	9.013	SF
PROSPECT CO #26-1314(PR) - Wellbore #1 - No Survey	12,845.31	6,696.00	1,759.99	1,628.88	13.423	CC, ES
PROSPECT CO #26-1314(PR) - Wellbore #1 - No Survey	13,000.00	6,696.00	1,766.78	1,634.20	13.327	SF
PROSPECT CO #26-1414(PR) - Wellbore #1 - No Survey	12,842.56	6,718.00	130.23	-1.05	0.992	Level 1, CC, ES, SF
PROSPECT CO #26-1514(PR) - Wellbore #1 - No Survey	12,694.58	6,691.00	791.24	661.72	6.109	CC
PROSPECT CO #26-1514(PR) - Wellbore #1 - No Survey	12,700.00	6,691.00	791.26	661.69	6.107	ES, SF
PROSPECT CO #26-1614(PR) - Wellbore #1 - Gyro	12,811.81	6,702.81	2,288.02	2,192.40	23.929	CC, ES
PROSPECT CO #26-1614(PR) - Wellbore #1 - Gyro	13,100.00	6,701.92	2,306.09	2,208.20	23.556	SF
PROSPECT CO #26-114(SI) - Wellbore #1 - Gyro	16,880.67	6,695.13	2,297.09	2,158.71	16.599	CC
PROSPECT CO #26-114(SI) - Wellbore #1 - Gyro	16,900.00	6,694.76	2,297.17	2,158.60	16.577	ES
PROSPECT CO #26-114(SI) - Wellbore #1 - Gyro	17,100.00	6,691.04	2,307.53	2,167.45	16.472	SF
PROSPECT CO #26-714(PR) - Wellbore #1 - No Surveys	15,463.69	6,688.00	859.30	700.83	5.423	CC, ES
PROSPECT CO #26-714(PR) - Wellbore #1 - No Surveys	15,500.00	6,688.00	860.06	701.36	5.419	SF
PROSPECT CO #26-814(SI) - Wellbore #1 - Gyro	15,729.63	6,777.47	1,927.35	1,800.94	15.247	CC, ES
PROSPECT CO #26-814(SI) - Wellbore #1 - Gyro	15,900.00	6,776.18	1,934.86	1,807.14	15.150	SF
PROSPECT CO #26-914(PR) - Wellbore #1 - Gyro	14,382.52	6,692.90	2,328.81	2,216.93	20.815	CC
PROSPECT CO #26-914(PR) - Wellbore #1 - Gyro	14,400.00	6,693.08	2,328.88	2,216.83	20.784	ES
PROSPECT CO #26-914(PR) - Wellbore #1 - Gyro	14,700.00	6,696.00	2,350.35	2,236.07	20.567	SF
RASSMUSSEN #1(PA) - Wellbore #1 - Gyro	16,708.81	6,699.96	1,018.30	881.72	7.456	CC, ES, SF

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

**Noble Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
C Section 35						
BOOTH #11-35U(PR) - Wellbore #1 - No Surveys	11,343.85	6,706.00	1,845.03	1,729.05	15.908	CC, ES
BOOTH #11-35U(PR) - Wellbore #1 - No Surveys	11,600.00	6,706.00	1,862.72	1,744.48	15.754	SF
BOOTH #12-35DU(PR) - Wellbore #1 - No Surveys	10,628.99	6,696.00	863.69	754.79	7.931	CC, ES
BOOTH #12-35DU(PR) - Wellbore #1 - No Surveys	10,700.00	6,696.00	866.61	757.05	7.910	SF
BOOTH #21-35U(PR) - Wellbore #1 - No Surveys	11,353.80	6,706.00	332.72	216.64	2.866	CC, ES, SF
BOOTH #22-35U(PR) - Wellbore #1 - No Surveys	11,343.85	2,016.00	1,845.03	1,769.97	24.583	CC, ES
BOOTH #22-35U(PR) - Wellbore #1 - No Surveys	11,600.00	2,016.00	1,862.72	1,785.41	24.093	SF
BOOTH #35AU(PR) - Wellbore #1 - No Surveys	10,650.85	6,696.00	863.84	754.73	7.917	CC, ES
BOOTH #35AU(PR) - Wellbore #1 - No Surveys	10,700.00	6,696.00	865.24	755.64	7.895	SF
BOOTH C #35-01(SI) - Wellbore #1 - No Surveys	11,655.80	6,710.00	2,291.81	2,172.68	19.238	CC, ES
BOOTH C #35-01(SI) - Wellbore #1 - No Surveys	11,900.00	6,710.00	2,304.78	2,183.63	19.024	SF
BOOTH C #35-07(SI) - Wellbore #1 - No Surveys	10,326.45	6,725.00	980.29	874.02	9.224	CC, ES
BOOTH C #35-07(SI) - Wellbore #1 - No Surveys	10,400.00	6,725.00	983.04	876.27	9.207	SF
BOOTH C #35-08(SI) - Wellbore #1 - No Surveys	10,332.01	6,720.00	2,301.53	2,195.26	21.656	CC, ES
BOOTH C #35-08(SI) - Wellbore #1 - No Surveys	10,700.00	6,720.00	2,330.77	2,221.66	21.363	SF
BOOTH C #35-27(SI) - Wellbore #1 - Gyro	12,197.63	6,672.82	1,641.34	1,552.19	18.411	CC
BOOTH C #35-27(SI) - Wellbore #1 - Gyro	12,200.00	6,672.84	1,641.34	1,552.17	18.407	ES
BOOTH C #35-27(SI) - Wellbore #1 - Gyro	12,400.00	6,675.19	1,653.76	1,563.14	18.250	SF
Booth C35-725 - Wellbore #1 - Plan #1	1,906.71	1,929.71	985.37	972.09	74.164	CC
Booth C35-725 - Wellbore #1 - Plan #1	2,000.00	2,017.11	985.44	971.51	70.730	ES
Booth C35-725 - Wellbore #1 - Plan #1	19,907.97	19,949.54	1,966.33	1,671.44	6.668	SF
Booth C35-735 - Wellbore #1 - Plan #1	4,700.00	4,723.00	963.07	929.76	28.910	CC
Booth C35-735 - Wellbore #1 - Plan #1	19,800.00	41,214.81	1,310.72	787.96	2.507	ES, SF
Booth C35-745 - Wellbore #1 - Plan #1	6,296.42	6,413.16	648.94	604.27	14.528	CC
Booth C35-745 - Wellbore #1 - Plan #1	19,907.97	19,933.63	655.55	360.30	2.220	ES, SF
Booth C35-750 - Wellbore #1 - Plan #1	7,115.74	7,293.74	341.08	291.55	6.886	CC
Booth C35-750 - Wellbore #1 - Plan #1	19,907.97	20,086.58	342.93	52.07	1.179	Level 2, ES, SF
Booth C35-765 - Wellbore #1 - Plan #1	2,400.00	2,401.00	22.33	5.59	1.334	Level 3, CC, ES, SF
Booth C35-775 - Wellbore #1 - Plan #1	2,200.00	2,201.00	44.93	29.62	2.935	CC, ES
Booth C35-775 - Wellbore #1 - Plan #1	2,300.00	2,299.40	46.69	30.68	2.917	SF
Booth C35-785 - Wellbore #1 - Plan #1	2,000.00	2,001.00	67.54	53.67	4.867	CC, ES
Booth C35-785 - Wellbore #1 - Plan #1	2,100.00	2,098.63	69.28	54.71	4.755	SF
UPV #35-214(SI) - Wellbore #1 - No Surveys	11,204.56	6,700.00	1,331.32	1,216.78	11.622	CC, ES
UPV #35-214(SI) - Wellbore #1 - No Surveys	11,300.00	6,700.00	1,334.74	1,219.46	11.578	SF

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

**Noble Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

**Summary**

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
D Section 02						
BOOTH D #02-31 - BOOTH D #02-31 - No Surveys	6,301.88	6,269.58	2,365.29	2,217.72	16.027	CC
BOOTH D #02-31 - BOOTH D #02-31 - No Surveys	6,350.00	6,314.92	2,366.09	2,217.43	15.917	ES
BOOTH D #02-31 - BOOTH D #02-31 - No Surveys	6,650.00	6,559.63	2,409.75	2,255.24	15.596	SF
DONOVAN D #2-19(PR) - DONOVAN D #2-19 - No Surv	6,231.57	6,198.62	1,409.30	1,263.36	9.657	CC
DONOVAN D #2-19(PR) - DONOVAN D #2-19 - No Surv	6,250.00	6,216.59	1,409.46	1,263.10	9.630	ES
DONOVAN D #2-19(PR) - DONOVAN D #2-19 - No Surv	6,450.00	6,401.81	1,432.99	1,282.23	9.505	SF
DONOVAN D #2-3JI(PR) - DONOVAN D #2-3JI - No Sur	6,244.80	6,215.53	457.71	311.39	3.128	CC
DONOVAN D #2-3JI(PR) - DONOVAN D #2-3JI - No Sur	6,250.00	6,220.59	457.72	311.28	3.126	ES
DONOVAN D #2-3JI(PR) - DONOVAN D #2-3JI - No Sur	6,300.00	6,268.79	459.23	311.65	3.112	SF
DONOVAN D #2-4JI(SI) - DONOVAN D #2-4JI - No Surv	6,572.43	6,492.24	1,667.10	1,514.21	10.904	CC
DONOVAN D #2-4JI(SI) - DONOVAN D #2-4JI - No Surv	6,600.00	6,512.67	1,667.32	1,513.93	10.870	ES
DONOVAN D #2-4JI(SI) - DONOVAN D #2-4JI - No Surv	6,800.00	6,634.51	1,683.82	1,527.39	10.764	SF
DONOVAN D #2-5JI - DONOVAN D #2-5JI - No Surveys	6,208.47	6,176.96	2,313.89	2,168.46	15.910	CC
DONOVAN D #2-5JI - DONOVAN D #2-5JI - No Surveys	6,250.00	6,217.59	2,314.82	2,168.43	15.812	ES
DONOVAN D #2-5JI - DONOVAN D #2-5JI - No Surveys	6,500.00	6,445.02	2,360.31	2,208.52	15.549	SF
DONOVAN D #2-6JI(PR) - DONOVAN D #2-6JI - No Sur	6,141.49	6,113.73	1,764.33	1,620.35	12.254	CC
DONOVAN D #2-6JI(PR) - DONOVAN D #2-6JI - No Sur	6,150.00	6,122.17	1,764.38	1,620.20	12.237	ES
DONOVAN D #2-6JI(PR) - DONOVAN D #2-6JI - No Sur	6,300.00	6,268.79	1,783.59	1,635.93	12.079	SF
GUTTERSEN #D02-25(PR) - GUTTERSEN #D02-25 - N	6,146.60	6,107.80	3,413.52	3,269.64	23.725	CC
GUTTERSEN #D02-25(PR) - GUTTERSEN #D02-25 - N	6,150.00	6,111.17	3,413.52	3,269.56	23.712	ES
GUTTERSEN #D02-25(PR) - GUTTERSEN #D02-25 - N	6,450.00	6,394.81	3,481.88	3,331.20	23.108	SF
GUTTERSEN #D02-33D(PR) - GUTTERSEN #D02-33D	0.00	0.00	3,417.08			
GUTTERSEN #D02-33D(PR) - GUTTERSEN #D02-33D	1,000.00	964.97	3,419.81	3,413.34	528.217	ES
GUTTERSEN #D02-33D(PR) - GUTTERSEN #D02-33D	6,550.00	6,653.05	4,316.61	4,264.75	83.233	SF
GUTTERSEN #D11-29D(PR) - GUTTERSEN #D11-29D	100.00	81.29	3,421.39	3,421.13	10,000.000	CC
GUTTERSEN #D11-29D(PR) - GUTTERSEN #D11-29D	200.00	178.06	3,421.51	3,420.74	4,393.851	ES
GUTTERSEN #D11-29D(PR) - GUTTERSEN #D11-29D	6,500.00	6,730.46	5,023.26	4,975.09	104.277	SF
GUTTERSEN D #02-20(SI) - GUTTERSEN D #02-20 - W	2,482.38	2,457.45	2,625.95	2,612.54	195.889	CC
GUTTERSEN D #02-20(SI) - GUTTERSEN D #02-20 - W	6,150.00	6,101.83	2,636.94	2,603.70	79.329	ES
GUTTERSEN D #02-20(SI) - GUTTERSEN D #02-20 - W	6,450.00	6,392.23	2,703.79	2,668.83	77.345	SF
Guttersen D02-75HN - Original Drilling - Original Drilling	6,491.64	11,143.00	404.71	315.76	4.550	CC
Guttersen D02-75HN - Original Drilling - Original Drilling	6,500.00	11,143.00	404.83	315.64	4.539	ES, SF
HSR-BOOTH #7-2(SI) - HSR-BOOTH #7-2 - No Surveys	4,700.00	4,673.00	1,707.76	1,597.68	15.514	CC
HSR-BOOTH #7-2(SI) - HSR-BOOTH #7-2 - No Surveys	4,800.00	4,772.97	1,709.10	1,596.67	15.202	ES
HSR-BOOTH #7-2(SI) - HSR-BOOTH #7-2 - No Surveys	6,300.00	6,259.79	1,850.03	1,702.61	12.549	SF
HSR-BOOTH #8-2(SI) - HSR-BOOTH #8-2 - No Surveys	4,700.00	4,708.00	2,499.39	2,388.62	22.563	CC
HSR-BOOTH #8-2(SI) - HSR-BOOTH #8-2 - No Surveys	4,800.00	4,807.97	2,501.21	2,388.08	22.110	ES
HSR-BOOTH #8-2(SI) - HSR-BOOTH #8-2 - No Surveys	6,450.00	6,431.81	2,724.57	2,573.26	18.007	SF
KERN #1(PA) - KERN #1 - No Surveys	4,700.00	4,686.00	1,707.15	1,596.81	15.472	CC
KERN #1(PA) - KERN #1 - No Surveys	4,800.00	4,785.97	1,709.16	1,596.47	15.167	ES
KERN #1(PA) - KERN #1 - No Surveys	6,450.00	6,409.81	1,926.45	1,775.61	12.771	SF
KERN D #2-1(SI) - KERN D #2-1 - No Surveys	4,700.00	4,685.00	2,249.90	2,139.59	20.395	CC
KERN D #2-1(SI) - KERN D #2-1 - No Surveys	4,800.00	4,784.97	2,251.88	2,139.22	19.987	ES
KERN D #2-1(SI) - KERN D #2-1 - No Surveys	6,750.00	6,624.74	2,505.74	2,349.72	16.060	SF
KERN D #2-2JI(PR) - KERN D #2-2JI - No Surveys	4,700.00	4,684.00	664.32	554.03	6.023	CC
KERN D #2-2JI(PR) - KERN D #2-2JI - No Surveys	4,800.00	4,783.97	666.32	553.67	5.915	ES
KERN D #2-2JI(PR) - KERN D #2-2JI - No Surveys	6,200.00	6,173.62	832.69	687.41	5.732	SF
L F RANCH #2-2(SI) - L F RANCH #2-2 - No Surveys	6,150.69	6,111.85	4,136.23	3,992.25	28.729	CC, ES
L F RANCH #2-2(SI) - L F RANCH #2-2 - No Surveys	6,500.00	6,437.02	4,224.93	4,073.26	27.855	SF
TANIA #D11-27D(PR) - TANIA #D11-27D - Wellbore #1 -	962.21	965.23	4,671.57	4,666.27	881.273	CC
TANIA #D11-27D(PR) - TANIA #D11-27D - Wellbore #1 -	1,000.00	984.07	4,671.65	4,666.14	848.896	ES
TANIA #D11-27D(PR) - TANIA #D11-27D - Wellbore #1 -	6,450.00	6,483.51	5,159.70	5,107.65	99.122	SF
TANIA #D11-28(PR) - TANIA #D11-28 - No Surveys	4,700.00	4,680.00	4,671.78	4,561.56	42.388	CC

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

**Noble Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
D Section 02						
TANIA #D11-28(PR) - TANIA #D11-28 - No Surveys	4,900.00	4,879.78	4,673.91	4,559.00	40.675	ES
TANIA #D11-28(PR) - TANIA #D11-28 - No Surveys	6,500.00	6,446.02	4,828.05	4,676.21	31.797	SF
TANIA BLUE #D 2-11(PR) - TANIA BLUE #D 2-11 - No S	4,700.00	4,676.00	2,870.26	2,760.13	26.061	CC
TANIA BLUE #D 2-11(PR) - TANIA BLUE #D 2-11 - No S	6,140.96	6,107.20	2,888.37	2,744.51	20.079	ES
TANIA BLUE #D 2-11(PR) - TANIA BLUE #D 2-11 - No S	6,400.00	6,355.69	2,944.78	2,795.04	19.667	SF
TANIA BLUE #D 2-12(PA) - TANIA BLUE #D 2-12 - No S	6,171.18	6,125.16	3,321.91	3,177.61	23.021	CC
TANIA BLUE #D 2-12(PA) - TANIA BLUE #D 2-12 - No S	6,200.00	6,153.62	3,322.47	3,177.50	22.918	ES
TANIA BLUE #D 2-12(PA) - TANIA BLUE #D 2-12 - No S	6,500.00	6,430.02	3,393.76	3,242.23	22.397	SF
TANIA BLUE #D 2-14(PR) - TANIA BLUE #D 2-14 - No S	4,700.00	4,674.00	4,336.39	4,226.29	39.388	CC
TANIA BLUE #D 2-14(PR) - TANIA BLUE #D 2-14 - No S	6,140.96	6,105.20	4,359.13	4,215.32	30.311	ES
TANIA BLUE #D 2-14(PR) - TANIA BLUE #D 2-14 - No S	6,500.00	6,440.02	4,464.54	4,312.81	29.424	SF
TANIA BLUE #D2-10(SI) - TANIA BLUE #D2-10 - No Sur	4,700.00	4,686.00	2,920.33	2,809.99	26.468	CC
TANIA BLUE #D2-10(SI) - TANIA BLUE #D2-10 - No Sur	4,800.00	4,785.97	2,921.37	2,808.69	25.925	ES
TANIA BLUE #D2-10(SI) - TANIA BLUE #D2-10 - No Sur	6,400.00	6,365.69	3,073.80	2,923.90	20.505	SF
TANIA BLUE #D2-16(PR) - TANIA BLUE #D2-16 - No Su	4,700.00	4,688.00	4,654.18	4,543.81	42.167	CC
TANIA BLUE #D2-16(PR) - TANIA BLUE #D2-16 - No Su	4,800.00	4,787.97	4,655.42	4,542.69	41.298	ES
TANIA BLUE #D2-16(PR) - TANIA BLUE #D2-16 - No Su	6,550.00	6,494.06	4,899.00	4,746.11	32.042	SF
TANIA BLUE D #2-15(SI) - TANIA BLUE D #2-15 - No Su	4,700.00	4,677.00	4,209.23	4,099.07	38.212	CC
TANIA BLUE D #2-15(SI) - TANIA BLUE D #2-15 - No Su	4,800.00	4,776.97	4,210.04	4,097.53	37.420	ES
TANIA BLUE D #2-15(SI) - TANIA BLUE D #2-15 - No Su	6,500.00	6,443.02	4,391.67	4,239.91	28.937	SF
TANIA BLUE D #2-9(SI) - TANIA BLUE D #2-9 - No Surv	4,700.00	4,701.00	3,556.37	3,445.73	32.145	CC
TANIA BLUE D #2-9(SI) - TANIA BLUE D #2-9 - No Surv	4,800.00	4,800.97	3,557.93	3,444.95	31.490	ES
TANIA BLUE D #2-9(SI) - TANIA BLUE D #2-9 - No Surv	6,500.00	6,467.02	3,793.32	3,641.14	24.926	SF
TANIA D #2-23(SI) - TANIA D #2-23 - No Surveys	4,700.00	4,688.00	3,729.51	3,619.14	33.789	CC
TANIA D #2-23(SI) - TANIA D #2-23 - No Surveys	4,800.00	4,787.97	3,730.72	3,617.99	33.095	ES
TANIA D #2-23(SI) - TANIA D #2-23 - No Surveys	6,450.00	6,411.81	3,917.75	3,766.79	25.951	SF



**Noble Energy, Inc.**  
**Anticollision Summary Report**

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<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB @ 4729.00ft

Offset Depths are relative to Offset Datum

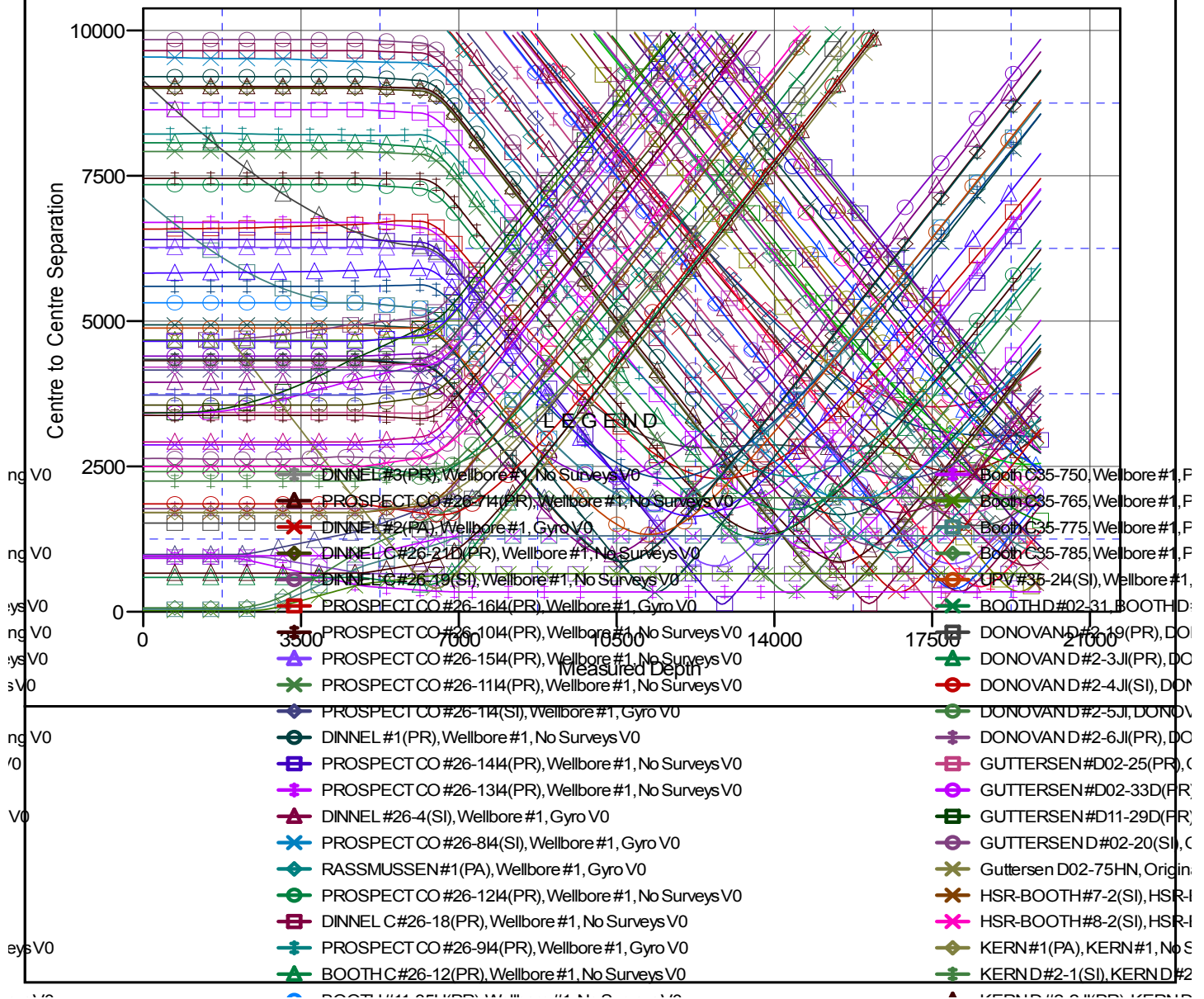
Central Meridian is -105.5000000

Coordinates are relative to: Booth C35-755

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.63°

## Ladder Plot



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



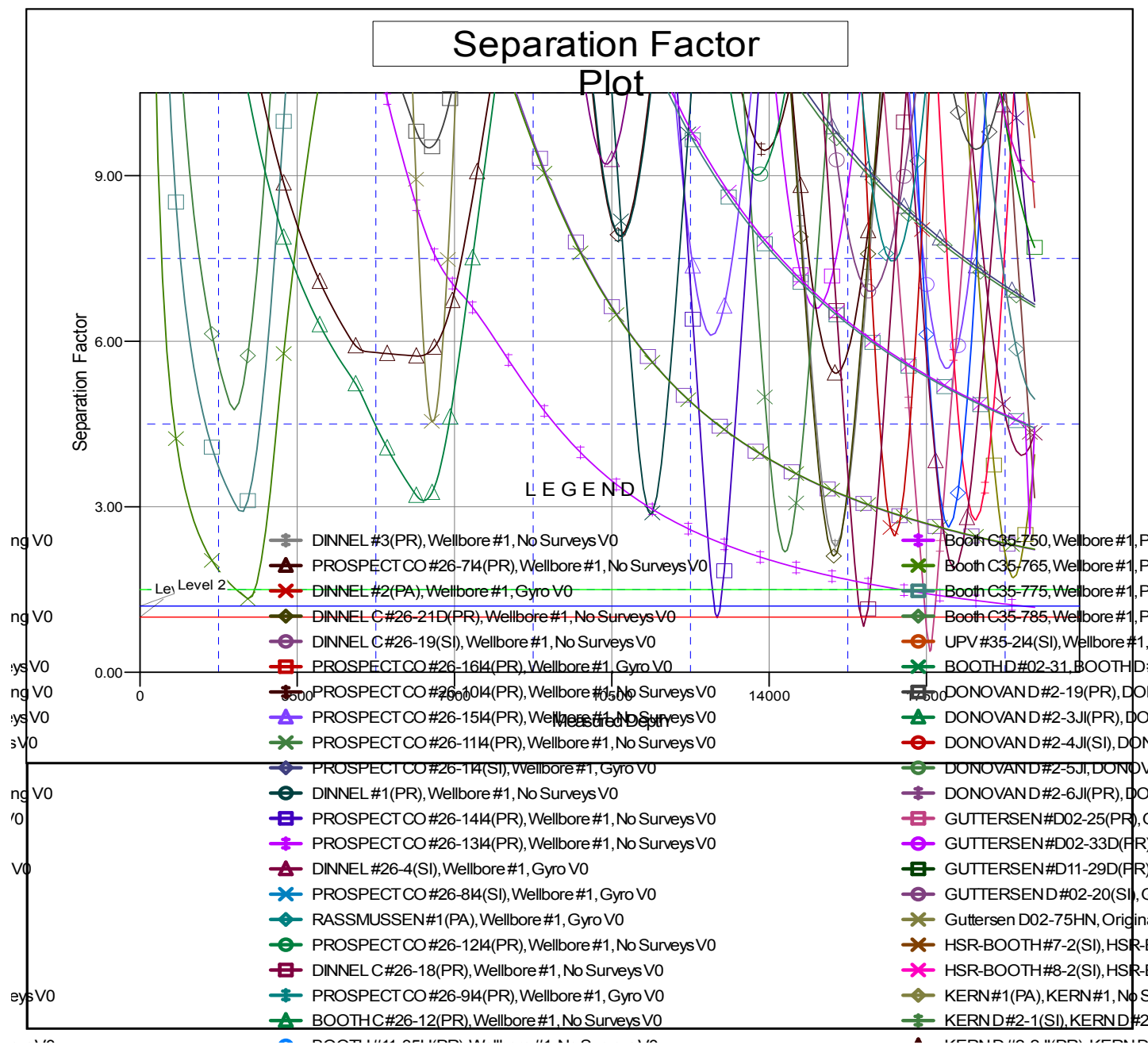
## Anticollision Summary Report

<b>Company:</b>	Northern Region - DJ Basin	<b>Local Co-ordinate Reference:</b>	Well Booth C35-755
<b>Project:</b>	Mustang	<b>TVD Reference:</b>	KB @ 4729.00ft
<b>Reference Site:</b>	C Section 35	<b>MD Reference:</b>	KB @ 4729.00ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Booth C35-755	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMP
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Coordinates are relative to: Booth C35-755

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.63°



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