

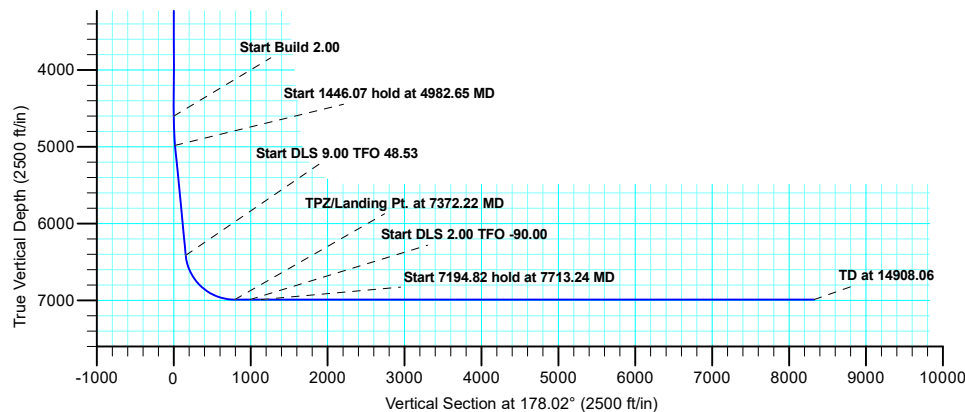
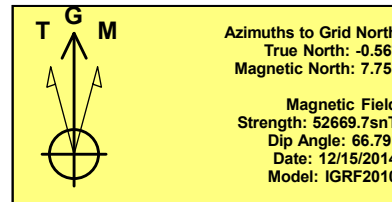
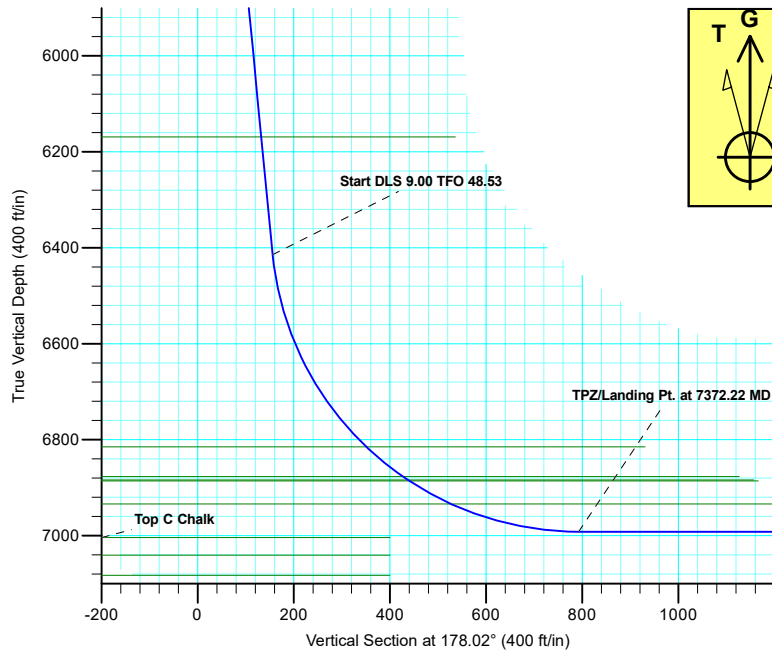
Project: Mustang
Site: H Section 26
Well: Hurley H35-768
Wellbore: Wellbore #1
Design: Plan #2

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

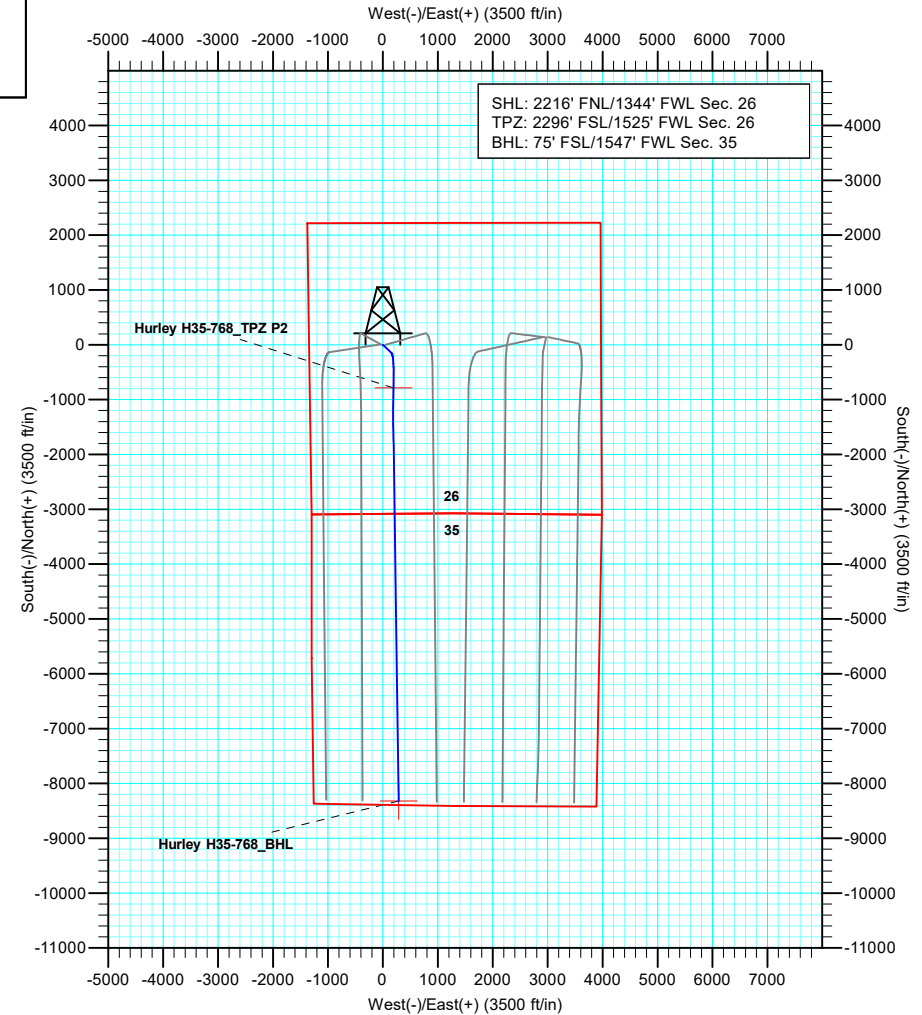
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00
3	4982.65	7.65	133.72	4981.51	-17.64	18.44	2.00	133.72	18.26
4	6428.71	7.65	133.72	6414.70	-150.73	157.62	0.00	0.00	156.09
5	7372.22	90.00	182.00	6992.00	-786.48	193.36	9.00	48.53	792.70
6	7572.22	90.00	182.00	6992.00	-986.36	186.38	0.00	0.00	992.21
7	7713.24	90.00	179.18	6992.00	-1127.35	184.92	2.00	-90.00	1133.07
8	14908.06	90.00	179.18	6992.00	-8321.44	287.93	0.00	0.00	8326.42



WELL DETAILS: Hurley H35-768

+N/-S	+E/-W	Ground Level: Northing	Ground Level: Easting	Ground Level: Latitude	Ground Level: Longitude	Slot
0.00	0.00	1315972.80	3241515.45	40.1975099	-104.6354000	



Plan: Plan #2 (Hurley H35-768/Wellbore #1)

Created By: Shelly C. Peterkin Date: 15:20, May 28 2019

Northern Region - DJ Basin

Mustang

H Section 26

Hurley H35-768

Wellbore #1

Plan: Plan #2

Standard Planning Report

28 May, 2019

Noble Energy, Inc.

Planning Report

Database:	EDMP	Local Co-ordinate Reference:	Well Hurley H35-768
Company:	Northern Region - DJ Basin	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Project:	Mustang	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site:	H Section 26	North Reference:	Grid
Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

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

Site	H Section 26			
Site Position:		Northing:	1,313,365.35 usft	Latitude: 40.1903751
From: Map		Easting:	3,240,670.89 usft	Longitude: -104.6385139
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.56 °

Well	Hurley H35-768			
Well Position	+N/-S	2,607.46 ft	Northing:	1,315,972.80 usft
	+E/-W	844.57 ft	Easting:	3,241,515.46 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft
			Ground Level:	4,822.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/15/2014	8.31	66.79	52,669.68882333

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	178.02

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
4,982.65	7.65	133.72	4,981.51	-17.64	18.44	2.00	2.00	0.00	133.72	
6,428.71	7.65	133.72	6,414.70	-150.73	157.62	0.00	0.00	0.00	0.00	
7,372.22	90.00	182.00	6,992.00	-786.48	193.36	9.00	8.73	5.12	48.53	Hurley H35-768_TPZ
7,572.22	90.00	182.00	6,992.00	-986.36	186.38	0.00	0.00	0.00	0.00	
7,713.24	90.00	179.18	6,992.00	-1,127.35	184.92	2.00	0.00	-2.00	-90.00	
14,908.06	90.00	179.18	6,992.00	-8,321.44	287.93	0.00	0.00	0.00	0.00	Hurley H35-768_BHL

Noble Energy, Inc.

Planning Report

Database:	EDMP	Local Co-ordinate Reference:	Well Hurley H35-768
Company:	Northern Region - DJ Basin	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Project:	Mustang	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site:	H Section 26	North Reference:	Grid
Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
618.00	618.00	Pierre				
770.00	770.00	Upper Pierre Aquifer Top				
1,658.00	1,658.00	Upper Pierre Aquifer Base				
3,925.00	3,925.00	Parkman				
4,516.00	4,516.00	Sussex				
5,201.08	5,198.00	Shannon				
6,180.81	6,169.00	Teepee Buttes				
6,884.46	6,815.00	Sharon Springs				
6,982.55	6,877.00	Top A Chalk				
6,994.97	6,884.00	Top A Marl				
6,998.59	6,886.00	Top B Chalk				
7,097.67	6,934.00	Top B Marl				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
4,600.00	4,600.00	0.00	0.00	Start Build 2.00	
4,982.65	4,981.51	-17.64	18.44	Start 1446.07 hold at 4982.65 MD	
6,428.71	6,414.70	-150.73	157.62	Start DLS 9.00 TFO 48.53	
7,372.22	6,992.00	-786.48	193.36	TPZ/Landing Pt. at 7372.22 MD	
7,572.22	6,992.00	-986.36	186.38	Start DLS 2.00 TFO -90.00	
7,713.24	6,992.00	-1,127.35	184.92	Start 7194.82 hold at 7713.24 MD	
14,908.06	6,992.00	-8,321.44	287.93	TD at 14908.06	

Northern Region - DJ Basin

Mustang

H Section 26

Hurley H35-768

Wellbore #1

Plan #2

Anticollision Summary Report

29 May, 2019

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	5/29/2019		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	14,908.06	Plan #2 (Wellbore #1)	OWSG MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

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						
H Section 23						
Eachus 32-23 - Original Drilling - Original Drilling - As Dri	2,103.67	2,085.79	5,778.95	5,764.53	400.680	CC
Eachus 32-23 - Original Drilling - Original Drilling - As Dri	2,200.00	2,150.24	5,779.20	5,764.21	385.466	ES
Eachus 32-23 - Original Drilling - Original Drilling - As Dri	6,850.00	6,812.60	6,113.32	6,065.89	128.894	SF
Eachus 41-23 (PA) - Original Drilling - Original Drilling - A	4,600.00	4,587.00	7,463.28	7,355.28	69.106	CC
Eachus 41-23 (PA) - Original Drilling - Original Drilling - A	4,800.00	4,786.84	7,465.43	7,352.76	66.262	ES
Eachus 41-23 (PA) - Original Drilling - Original Drilling - A	6,950.00	6,844.72	7,741.77	7,580.84	48.107	SF
Eachus UPRR 31-23 - Original Drilling - Original Drilling -	4,263.39	4,229.50	7,085.83	7,056.18	239.004	CC
Eachus UPRR 31-23 - Original Drilling - Original Drilling -	4,400.00	4,300.01	7,086.33	7,055.95	233.239	ES
Eachus UPRR 31-23 - Original Drilling - Original Drilling -	7,150.00	6,876.13	7,611.52	7,508.21	73.674	SF
Eachus UPRR 42-23 (PA) - Original Drilling - Original Dril	4,600.00	4,597.00	6,322.22	6,214.03	58.433	CC
Eachus UPRR 42-23 (PA) - Original Drilling - Original Dril	4,900.00	4,896.45	6,325.61	6,210.42	54.916	ES
Eachus UPRR 42-23 (PA) - Original Drilling - Original Dril	6,900.00	6,822.58	6,536.08	6,375.70	40.753	SF
HSR Alberstein 16-23 - Original Drilling - Original Drilling	1,131.79	1,134.95	4,371.04	4,363.41	572.539	CC
HSR Alberstein 16-23 - Original Drilling - Original Drilling	3,700.00	3,666.30	4,379.58	4,353.91	170.618	ES
HSR Alberstein 16-23 - Original Drilling - Original Drilling	6,800.00	6,776.92	4,505.77	4,458.58	95.474	SF
HSR Ashley 15-23A - Original Drilling - Original Drilling - A	0.00	0.00	3,531.63			
HSR Ashley 15-23A - Original Drilling - Original Drilling - A	3,000.00	2,965.18	3,542.81	3,522.10	171.060	ES
HSR Ashley 15-23A - Original Drilling - Original Drilling - A	6,750.00	6,660.10	3,789.74	3,743.07	81.208	SF
HSR Benirschke 10-23 - Original Drilling - Original Drilling	4,027.27	4,015.13	4,585.53	4,557.42	163.140	CC
HSR Benirschke 10-23 - Original Drilling - Original Drilling	4,300.00	4,255.07	4,587.03	4,557.11	153.330	ES
HSR Benirschke 10-23 - Original Drilling - Original Drilling	6,700.00	6,439.39	4,779.32	4,733.69	104.732	SF
HSR Eachus 03-23 - Original Drilling - Original Drilling - A	788.33	751.39	6,093.40	6,088.35	1,206.746	CC
HSR Eachus 03-23 - Original Drilling - Original Drilling - A	2,200.00	2,115.48	6,095.63	6,080.76	409.873	ES
HSR Eachus 03-23 - Original Drilling - Original Drilling - A	6,800.00	6,912.69	7,140.65	7,089.49	139.571	SF
HSR Eachus 04-23 - Original Drilling - Original Drilling - A	100.00	55.57	6,065.90	6,065.68	10,000.000	CC
HSR Eachus 04-23 - Original Drilling - Original Drilling - A	1,000.00	936.11	6,068.36	6,061.90	938.172	ES
HSR Eachus 04-23 - Original Drilling - Original Drilling - A	4,982.65	4,982.65	6,767.55	6,648.67	56.929	SF
HSR Eachus 05-23 - Original Drilling - Original Drilling - A	4,504.45	4,947.30	5,499.01	5,374.37	44.117	CC
HSR Eachus 05-23 - Original Drilling - Original Drilling - A	4,600.00	5,011.79	5,499.28	5,374.25	43.983	ES
HSR Eachus 05-23 - Original Drilling - Original Drilling - A	6,700.00	6,978.94	5,812.50	5,671.62	41.260	SF
HSR Fruman 06-23 - Original Drilling - Original Drilling - A	4,447.27	4,460.59	5,914.81	5,878.93	164.855	CC
HSR Fruman 06-23 - Original Drilling - Original Drilling - A	4,600.00	4,607.98	5,915.18	5,877.71	157.889	ES
HSR Fruman 06-23 - Original Drilling - Original Drilling - A	6,700.00	6,679.94	6,126.16	6,072.36	113.865	SF
HSR Grasshopper 09-23 - Original Drilling - Original Drilli	0.00	0.00	4,847.89			
HSR Grasshopper 09-23 - Original Drilling - Original Drilli	1,800.00	1,774.08	4,855.22	4,842.97	396.354	ES
HSR Grasshopper 09-23 - Original Drilling - Original Drilli	6,800.00	6,840.27	5,080.37	5,032.93	107.080	SF
Ritchey 06-23 - Original Drilling - Original Drilling - As Dri	4,971.83	5,400.00	5,473.39	5,436.84	149.716	CC

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 23						
Ritchey 06-23 - Original Drilling - Original Drilling - As Dri	4,982.65	5,400.00	5,473.42	5,436.82	149.560	ES
Ritchey 06-23 - Original Drilling - Original Drilling - As Dri	6,850.00	7,005.45	5,722.02	5,673.64	118.269	SF
Ritchey 21-23 - Original Drilling - Original Drilling - As Dri	309.99	279.00	6,323.11	6,321.42	3,755.380	CC
Ritchey 21-23 - Original Drilling - Original Drilling - As Dri	2,000.00	1,920.90	6,329.17	6,315.69	469.658	ES
Ritchey 21-23 - Original Drilling - Original Drilling - As Dri	6,850.00	6,797.99	6,674.27	6,626.90	140.878	SF
Ritchey 24-23 - Original Drilling - Original Drilling - As Dri	1,041.45	1,027.46	4,643.17	4,636.25	670.841	CC
Ritchey 24-23 - Original Drilling - Original Drilling - As Dri	1,600.00	1,556.34	4,645.92	4,635.16	431.509	ES
Ritchey 24-23 - Original Drilling - Original Drilling - As Dri	6,900.00	6,853.14	5,648.24	5,600.29	117.777	SF
Ritchey 31-24 - Original Drilling - Original Drilling - As Dri	1,402.98	1,400.00	6,542.77	6,533.26	687.977	CC
Ritchey 31-24 - Original Drilling - Original Drilling - As Dri	1,500.00	1,448.30	6,543.05	6,533.02	652.553	ES
Ritchey 31-24 - Original Drilling - Original Drilling - As Dri	6,850.00	6,895.89	7,455.03	7,397.99	130.712	SF
UPRC 23-11J - Original Drilling - Original Drilling - As Dri	1,764.91	1,718.91	4,049.80	4,037.88	339.709	CC
UPRC 23-11J - Original Drilling - Original Drilling - As Dri	3,100.00	3,034.87	4,057.58	4,036.28	190.485	ES
UPRC 23-11J - Original Drilling - Original Drilling - As Dri	6,750.00	6,704.60	4,403.76	4,357.01	94.188	SF
UPRC 23-12J - Original Drilling - Original Drilling - As Dri	995.08	949.09	4,098.55	4,092.08	633.064	CC
UPRC 23-12J - Original Drilling - Original Drilling - As Dri	1,900.00	1,826.94	4,101.75	4,088.97	320.861	ES
UPRC 23-12J - Original Drilling - Original Drilling - As Dri	6,700.00	6,661.20	4,487.79	4,441.36	96.643	SF
UPRC H23-13 - Wellbore #1 - Wellbore #1 - As Drilled	272.05	232.05	2,902.12	2,900.74	2,104.616	CC
UPRC H23-13 - Wellbore #1 - Wellbore #1 - As Drilled	500.00	440.78	2,903.02	2,900.10	992.806	ES
UPRC H23-13 - Wellbore #1 - Wellbore #1 - As Drilled	6,650.00	6,516.26	3,345.75	3,299.89	72.968	SF
UPRC H23-14J - Original Drilling - Original Drilling - As D	1,806.85	1,762.94	2,775.38	2,763.14	226.851	CC
UPRC H23-14J - Original Drilling - Original Drilling - As D	1,900.00	1,835.53	2,775.80	2,762.98	216.501	ES
UPRC H23-14J - Original Drilling - Original Drilling - As D	6,650.00	6,496.45	3,106.10	3,060.35	67.887	SF
UPRC H23-24 - Original Drilling - Original Drilling - As Dr	1,578.40	1,540.44	3,760.14	3,749.50	353.521	CC
UPRC H23-24 - Original Drilling - Original Drilling - As Dr	1,900.00	1,832.20	3,761.64	3,748.84	293.799	ES
UPRC H23-24 - Original Drilling - Original Drilling - As Dr	6,750.00	6,540.53	4,104.64	4,058.44	88.849	SF
UPRR 53 Pan Am B#1 (PA) - Original Drilling - Original D	4,600.00	4,554.00	3,210.64	3,103.31	29.912	CC
UPRR 53 Pan Am B#1 (PA) - Original Drilling - Original D	4,700.00	4,653.98	3,211.97	3,102.29	29.285	ES
UPRR 53 Pan Am B#1 (PA) - Original Drilling - Original D	6,650.00	6,580.26	3,439.46	3,284.68	22.222	SF
UPRR 53 Pan Am UT V#1 - Original Drilling - Original Dri	0.00	0.00	6,538.69			
UPRR 53 Pan Am UT V#1 - Original Drilling - Original Dri	4,700.00	4,723.86	6,552.03	6,519.11	199.006	ES
UPRR 53 Pan Am UT V#1 - Original Drilling - Original Dri	6,850.00	6,790.57	6,751.61	6,704.28	142.637	SF

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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
H Section 25						
Dechant 21-25 - Original Drilling - Original Drilling - As Dr	575.98	553.99	5,788.98	5,785.38	1,610.813	CC
Dechant 21-25 - Original Drilling - Original Drilling - As Dr	1,400.00	1,358.05	5,789.87	5,780.52	619.032	ES
Dechant 21-25 - Original Drilling - Original Drilling - As Dr	7,000.00	7,147.43	6,564.72	6,513.55	128.289	SF
Dechant D30-33D - Original Drilling - Original Drilling - As	100.00	33.52	8,375.99	8,375.81	10,000.000	CC, ES
Dechant D30-33D - Original Drilling - Original Drilling - As	13,100.00	6,805.02	9,976.00	9,897.41	126.938	SF
Dechant D31-30D - Original Drilling - Original Drilling - As	100.00	36.87	8,379.49	8,379.31	10,000.000	CC
Dechant D31-30D - Original Drilling - Original Drilling - As	200.00	106.70	8,379.98	8,379.28	10,000.000	ES
Dechant D31-30D - Original Drilling - Original Drilling - As	14,300.00	7,073.47	9,963.11	9,870.60	107.698	SF
Dechant H25-64-1HN - Original Drilling - Original Drilling	8,125.00	6,423.00	3,853.62	3,805.53	80.141	CC, ES
Dechant H25-64-1HN - Original Drilling - Original Drilling	9,300.00	6,423.00	4,028.77	3,976.30	76.791	SF
Dechant H25-65HN - Original Drilling - Original Drilling	6,878.19	6,417.00	3,836.93	3,792.39	86.154	CC
Dechant H25-65HN - Original Drilling - Original Drilling	6,900.00	6,417.00	3,836.98	3,792.39	86.048	ES
Dechant H25-65HN - Original Drilling - Original Drilling	8,600.00	6,417.00	4,116.78	4,066.40	81.725	SF
Emmy H25-711 - Emmy H25-711 OH - As-Drilled	812.66	795.66	7,941.34	7,936.08	1,509.413	CC
Emmy H25-711 - Emmy H25-711 OH - As-Drilled	2,034.75	2,012.08	7,942.28	7,928.59	580.161	ES
Emmy H25-711 - Emmy H25-711 OH - As-Drilled	10,400.00	10,400.00	8,352.99	8,279.86	114.229	SF
Emmy State H25-718 - Emmy State H25-718 OH - As-Dr	216.77	199.78	7,921.71	7,920.66	7,583.015	CC
Emmy State H25-718 - Emmy State H25-718 OH - As-Dr	2,400.00	2,355.00	7,921.86	7,906.72	523.450	ES
Emmy State H25-718 - Emmy State H25-718 OH - As-Dr	13,400.00	13,400.00	8,926.32	8,823.97	87.207	SF
Emmy State H25-724 - Emmy State H25-724 OH - As-Dr	9,824.71	5,695.62	7,764.33	7,713.19	151.818	CC
Emmy State H25-724 - Emmy State H25-724 OH - As-Dr	9,900.00	5,700.03	7,764.70	7,713.07	150.409	ES
Emmy State H25-724 - Emmy State H25-724 OH - As-Dr	11,400.00	11,400.00	7,920.73	7,839.39	97.377	SF
Emmy State H25-731 - Emmy State H25-731 OH - As-Dr	7,222.49	9,112.09	7,467.91	7,416.20	144.394	CC, ES
Emmy State H25-731 - Emmy State H25-731 OH - As-Dr	13,800.00	6,425.00	8,484.07	8,408.07	111.640	SF
Emmy State H25-738 - Emmy State H25-738 OH - As-Dr	7,333.24	8,944.43	7,043.49	6,992.75	138.830	CC, ES
Emmy State H25-738 - Emmy State H25-738 OH - As-Dr	13,500.00	6,427.00	8,042.96	7,969.46	109.420	SF
Emmy State H25-744 - Emmy State H25-744 OH - As-Dr	7,363.47	8,828.63	6,624.62	6,574.41	131.918	CC
Emmy State H25-744 - Emmy State H25-744 OH - As-Dr	7,876.07	8,634.45	6,624.90	6,574.33	131.005	ES
Emmy State H25-744 - Emmy State H25-744 OH - As-Dr	12,900.00	6,563.02	7,356.83	7,285.81	103.582	SF
Emmy State H25-751 - Emmy State H25-751 OH - As-Dr	9,866.56	9,866.56	5,947.71	5,880.03	87.876	CC
Emmy State H25-751 - Emmy State H25-751 OH - As-Dr	9,900.00	9,900.00	5,947.81	5,879.77	87.428	ES
Emmy State H25-751 - Emmy State H25-751 OH - As-Dr	14,400.00	14,400.00	7,462.12	7,353.93	68.974	SF
Emmy State H25-757 - Emmy State H25-757 OH - As-Dr	9,700.00	9,700.00	5,790.17	5,725.20	89.127	ES
Emmy State H25-757 - Emmy State H25-757 OH - As-Dr	9,839.48	5,779.84	5,788.48	5,736.82	112.055	CC
Emmy State H25-757 - Emmy State H25-757 OH - As-Dr	12,500.00	12,500.00	6,363.41	6,271.16	68.978	SF
Emmy State H25-764 - Emmy State H25-764 OH - As-Dr	7,184.96	9,485.59	5,451.35	5,398.25	102.679	CC, ES
Emmy State H25-764 - Emmy State H25-764 OH - As-Dr	12,300.00	6,422.00	6,004.82	5,937.01	88.554	SF
Emmy State H25-771 - Emmy State H25-771 OH - As-Dr	7,168.35	9,296.95	5,050.26	4,997.53	95.770	ES
Emmy State H25-771 - Emmy State H25-771 OH - As-Dr	8,248.57	8,315.00	5,050.07	4,999.57	99.989	CC
Emmy State H25-771 - Emmy State H25-771 OH - As-Dr	11,800.00	6,553.54	5,446.75	5,382.03	84.152	SF
Emmy State H25-777 - Emmy State H25-777 OH - As-Dr	9,640.88	7,034.70	4,592.14	4,538.23	85.180	CC, ES
Emmy State H25-777 - Emmy State H25-777 OH - As-Dr	11,500.00	6,800.00	4,922.22	4,858.42	77.144	SF
Emmy State H25-785 - Emmy State H25-785 OH - As-Dr	9,020.32	7,650.00	4,088.21	4,036.24	78.668	CC, ES
Emmy State H25-785 - Emmy State H25-785 OH - As-Dr	11,500.00	11,500.00	4,519.34	4,445.65	61.327	SF
Emmy State H36-753 - Wellbore #1 - Plan #2	2,200.00	2,194.00	5,889.30	5,876.86	473.468	CC, ES
Emmy State H36-753 - Wellbore #1 - Plan #2	14,908.06	11,885.88	6,055.38	5,929.65	48.161	SF
Emmy State H36-766 - Wellbore #1 - Plan #2	14,522.78	11,943.61	5,163.91	5,041.83	42.301	CC
Emmy State H36-766 - Wellbore #1 - Plan #2	14,600.00	11,943.61	5,164.49	5,041.79	42.091	ES
Emmy State H36-766 - Wellbore #1 - Plan #2	14,908.06	11,943.61	5,178.26	5,053.31	41.442	SF
Emmy State H36-773 - Wellbore #1 - Plan #2	14,522.91	11,925.00	4,526.67	4,404.98	37.199	CC, ES
Emmy State H36-773 - Wellbore #1 - Plan #2	14,908.06	11,925.00	4,543.02	4,418.98	36.626	SF
Emmy State H36-787 - Wellbore #1 - Plan #2	14,524.55	11,923.93	3,841.30	3,719.01	31.410	CC, ES
Emmy State H36-787 - Wellbore #1 - Plan #2	14,900.00	11,923.93	3,859.61	3,735.69	31.145	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 25						
HSR Cohn 03-25 - Original Drilling - Original Drilling - As	6,533.55	6,434.96	5,802.77	5,757.70	128.732	CC
HSR Cohn 03-25 - Original Drilling - Original Drilling - As	6,550.00	6,448.77	5,802.85	5,757.67	128.437	ES
HSR Cohn 03-25 - Original Drilling - Original Drilling - As	7,200.00	6,844.19	5,927.03	5,878.60	122.370	SF
HSR Crowe 06-25 - Original Drilling - Original Drilling - As	6,853.25	6,880.65	5,625.61	5,577.99	118.149	CC, ES
HSR Crowe 06-25 - Original Drilling - Original Drilling - As	9,400.00	7,051.64	6,335.31	6,278.86	112.232	SF
HSR Dechant 04-25 - Original Drilling - Original Drilling -	6,511.50	6,940.01	4,820.47	4,751.55	69.937	CC, ES
HSR Dechant 04-25 - Original Drilling - Original Drilling -	6,850.00	7,205.96	4,859.99	4,789.73	69.170	SF
HSR Dechant 05-25 - Original Drilling - Original Drilling -	6,842.99	6,830.95	4,614.66	4,567.25	97.324	CC
HSR Dechant 05-25 - Original Drilling - Original Drilling -	6,850.00	6,836.94	4,614.67	4,567.22	97.239	ES
HSR Dechant 05-25 - Original Drilling - Original Drilling -	7,350.00	7,059.54	4,667.35	4,617.85	94.290	SF
KY Blue D30-32 - Original Drilling - Original Drilling - As D	7,121.60	6,836.69	8,760.06	8,711.83	181.645	CC
KY Blue D30-32 - Original Drilling - Original Drilling - As D	7,150.00	6,850.52	8,760.16	8,711.81	181.200	ES
KY Blue D30-32 - Original Drilling - Original Drilling - As D	12,000.00	6,874.57	9,998.37	9,928.09	142.273	SF
KY Blue H25-04J - Original Drilling - Original Drilling - As	8,720.13	7,400.00	7,993.16	7,963.55	270.019	CC, ES
KY Blue H25-04J - Original Drilling - Original Drilling - As	14,500.00	7,400.00	9,863.94	9,805.07	167.541	SF
KY Blue H25-09 - Original Drilling - Original Drilling - As D	7,349.87	6,888.83	8,250.66	8,201.78	168.771	CC
KY Blue H25-09 - Original Drilling - Original Drilling - As D	7,350.00	6,888.84	8,250.66	8,201.78	168.770	ES
KY Blue H25-09 - Original Drilling - Original Drilling - As D	13,100.00	6,883.30	9,849.54	9,773.96	130.333	SF
KY Blue H25-10 - Original Drilling - Original Drilling - As D	7,299.54	7,015.78	6,807.97	6,758.73	138.269	CC
KY Blue H25-10 - Original Drilling - Original Drilling - As D	7,300.00	7,015.85	6,807.97	6,758.73	138.266	ES
KY Blue H25-10 - Original Drilling - Original Drilling - As D	14,800.00	14,800.00	9,954.41	9,849.25	94.664	SF
KY Blue H25-11 - Original Drilling - Original Drilling - As D	7,436.12	7,042.18	5,640.70	5,560.17	70.045	CC, ES
KY Blue H25-11 - Original Drilling - Original Drilling - As D	9,500.00	7,009.41	5,919.83	5,831.60	67.098	SF
KY Blue H25-12 - Original Drilling - Original Drilling - As D	7,474.86	6,899.03	4,191.81	4,142.58	85.142	CC, ES
KY Blue H25-12 - Original Drilling - Original Drilling - As D	9,200.00	6,865.15	4,461.35	4,405.92	80.487	SF
KY Blue H25-14 - Original Drilling - Original Drilling - As D	9,200.08	6,872.82	5,703.75	5,647.78	101.910	CC, ES
KY Blue H25-14 - Original Drilling - Original Drilling - As D	13,500.00	13,500.00	7,142.94	7,043.68	71.963	SF
KY Blue H25-15 - Original Drilling - Original Drilling - As D	9,034.02	6,893.71	6,766.33	6,711.16	122.648	CC
KY Blue H25-15 - Original Drilling - Original Drilling - As D	9,100.00	6,893.12	6,766.65	6,711.13	121.885	ES
KY Blue H25-15 - Original Drilling - Original Drilling - As D	12,500.00	6,875.67	7,602.35	7,528.51	102.953	SF
KY H25-24 - Original Drilling - Original Drilling - As Drilled	8,382.97	6,977.38	6,369.88	6,317.54	121.693	CC
KY H25-24 - Original Drilling - Original Drilling - As Drilled	8,400.00	6,977.73	6,369.91	6,317.49	121.525	ES
KY H25-24 - Original Drilling - Original Drilling - As Drilled	11,800.00	7,044.69	7,228.23	7,157.89	102.757	SF
Moore UPRC H25-01 - Original Drilling - Original Drilling	6,610.54	6,537.50	8,610.88	8,565.19	188.439	CC, ES
Moore UPRC H25-01 - Original Drilling - Original Drilling	10,400.00	6,890.78	9,995.09	9,934.90	166.051	SF
Moore UPRC H25-02 - Original Drilling - Original Drilling	6,598.75	6,577.16	7,235.28	7,189.50	158.054	CC
Moore UPRC H25-02 - Original Drilling - Original Drilling	6,600.00	6,580.12	7,235.28	7,189.49	158.004	ES
Moore UPRC H25-02 - Original Drilling - Original Drilling	9,600.00	6,930.60	8,340.75	8,284.35	147.875	SF
Moser 25-32 - Original Drilling - Original Drilling - As Drille	6,856.06	6,718.56	6,728.58	6,681.51	142.942	CC, ES
Moser 25-32 - Original Drilling - Original Drilling - As Drille	10,800.00	7,016.36	7,950.73	7,887.90	126.534	SF
Moser 25-42 - Original Drilling - Original Drilling - As Drille	6,829.40	6,710.21	8,412.97	8,365.98	179.020	CC
Moser 25-42 - Original Drilling - Original Drilling - As Drille	6,850.00	6,720.96	8,413.04	8,365.94	178.642	ES
Moser 25-42 - Original Drilling - Original Drilling - As Drille	11,700.00	6,918.42	9,964.23	9,896.70	147.549	SF
UPRR 53 Pan Am T#2 - Original Drilling - Original Drilling	6,602.26	6,500.00	5,403.68	5,358.16	118.708	CC, ES
UPRR 53 Pan Am T#2 - Original Drilling - Original Drilling	7,250.00	6,729.74	5,501.58	5,453.44	114.300	SF
UPRR 53 Pan Am UT T#1 - Original Drilling - Original Dri	6,715.55	6,611.96	7,809.52	7,763.20	168.623	CC
UPRR 53 Pan Am UT T#1 - Original Drilling - Original Dri	6,750.00	6,653.43	7,809.69	7,763.12	167.709	ES
UPRR 53 Pan Am UT T#1 - Original Drilling - Original Dri	11,600.00	7,001.27	9,611.57	9,545.41	145.290	SF
Von Feldt 1-25B - Original Drilling - Original Drilling - As D	8,760.01	7,018.62	4,747.11	4,692.84	87.469	CC
Von Feldt 1-25B - Original Drilling - Original Drilling - As D	8,800.00	7,020.05	4,747.27	4,692.80	87.142	ES
Von Feldt 1-25B - Original Drilling - Original Drilling - As D	10,700.00	7,087.78	5,127.75	5,063.16	79.388	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
H Section 26						
Bullard 31-26 - Original Drilling - Original Drilling - As Dril	1,647.28	1,636.41	2,472.08	2,460.86	220.214	CC
Bullard 31-26 - Original Drilling - Original Drilling - As Dril	1,800.00	1,774.52	2,472.49	2,460.24	201.749	ES
Bullard 31-26 - Original Drilling - Original Drilling - As Dril	6,650.00	6,562.14	2,613.04	2,567.07	56.839	SF
Bullard 32-26 - Original Drilling - Original Drilling - As Dril	6,667.13	6,657.83	1,880.44	1,834.15	40.623	CC, ES
Bullard 32-26 - Original Drilling - Original Drilling - As Dril	6,950.00	6,866.24	1,903.55	1,855.67	39.754	SF
Bullard 41-26 - Original Drilling - Original Drilling - As Dril	6,475.43	6,451.99	3,029.34	2,984.33	67.305	CC, ES
Bullard 41-26 - Original Drilling - Original Drilling - As Dril	6,900.00	6,848.09	3,104.47	3,056.72	65.018	SF
Dechant H25-29D - Original Drilling - Original Drilling - As	111.78	131.02	3,752.74	3,752.27	7,929.342	CC
Dechant H25-29D - Original Drilling - Original Drilling - As	200.00	197.12	3,753.00	3,751.97	3,669.259	ES
Dechant H25-29D - Original Drilling - Original Drilling - As	7,150.00	7,366.46	5,993.40	5,940.19	112.637	SF
Dechant H25-33D - Original Drilling - Original Drilling - As	2,465.86	2,638.01	3,658.46	3,634.39	152.034	CC
Dechant H25-33D - Original Drilling - Original Drilling - As	2,900.00	3,095.82	3,660.77	3,630.85	122.349	ES
Dechant H25-33D - Original Drilling - Original Drilling - As	8,900.00	7,786.02	3,872.20	3,782.15	42.997	SF
Harsh H26-09D - Original Drilling - Original Drilling - As D	7,470.30	6,971.12	3,209.19	3,159.72	64.877	CC, ES
Harsh H26-09D - Original Drilling - Original Drilling - As D	8,400.00	6,988.56	3,305.07	3,252.56	62.943	SF
Harsh H26-10 - Original Drilling - Original Drilling - As Dri	7,380.62	7,003.93	1,917.19	1,867.83	38.839	CC, ES
Harsh H26-10 - Original Drilling - Original Drilling - As Dri	7,572.22	7,003.66	1,926.74	1,876.94	38.685	SF
Harsh H26-15 - Original Drilling - Original Drilling - As Dri	8,917.17	6,966.89	1,847.19	1,792.35	33.682	CC, ES
Harsh H26-15 - Original Drilling - Original Drilling - As Dri	9,200.00	6,969.62	1,868.71	1,812.43	33.199	SF
Harsh H26-16 - Original Drilling - Original Drilling - As Dri	9,004.05	6,966.75	2,909.67	2,854.39	52.640	CC, ES
Harsh H26-16 - Original Drilling - Original Drilling - As Dri	9,700.00	6,974.64	2,991.73	2,932.84	50.797	SF
Harsh H26-23D - Original Drilling - Original Drilling - As D	1,055.95	1,074.00	2,327.06	2,321.00	384.152	CC
Harsh H26-23D - Original Drilling - Original Drilling - As D	1,100.00	1,108.55	2,327.15	2,320.82	367.578	ES
Harsh H26-23D - Original Drilling - Original Drilling - As D	8,900.00	7,092.82	2,611.44	2,552.89	44.601	SF
HSR Moser 04-26 - Original Drilling - Original Drilling - As	1,941.43	1,904.97	1,872.12	1,858.92	141.773	CC
HSR Moser 04-26 - Original Drilling - Original Drilling - As	2,000.00	1,951.43	1,872.31	1,858.73	137.907	ES
HSR Moser 04-26 - Original Drilling - Original Drilling - As	6,550.00	6,445.72	2,243.72	2,198.45	49.558	SF
HSR Moser 06-26 - Original Drilling - Original Drilling - As	6,469.48	6,423.03	786.42	741.59	17.541	CC, ES
HSR Moser 06-26 - Original Drilling - Original Drilling - As	6,600.00	6,549.73	793.31	747.59	17.351	SF
HSR Regalia 05-26 - Original Drilling - Original Drilling - A	2,442.89	2,409.15	719.32	702.53	42.853	CC
HSR Regalia 05-26 - Original Drilling - Original Drilling - A	3,800.00	3,761.09	726.92	700.57	27.586	ES
HSR Regalia 05-26 - Original Drilling - Original Drilling - A	6,450.00	6,414.92	948.79	903.99	21.179	SF
HSR-Moser 03-26A - Original Drilling - Original Drilling - A	199.84	165.84	1,863.60	1,862.71	2,098.486	CC
HSR-Moser 03-26A - Original Drilling - Original Drilling - A	2,100.00	2,053.37	1,864.33	1,850.04	130.465	ES
HSR-Moser 03-26A - Original Drilling - Original Drilling - A	6,550.00	6,426.88	2,054.97	2,009.80	45.487	SF
Hurley H26-712 - Hurley H26-712 OH - As-Drilled	1,949.92	1,982.00	3,008.96	2,995.56	224.643	CC, ES
Hurley H26-712 - Hurley H26-712 OH - As-Drilled	8,300.00	6,469.06	3,793.80	3,747.35	81.692	SF
Hurley H26-717 - Hurley H26-717 OH - As-Drilled	1,947.91	1,980.00	2,984.47	2,971.08	222.862	CC
Hurley H26-717 - Hurley H26-717 OH - As-Drilled	2,000.00	2,009.57	2,984.66	2,971.08	219.755	ES
Hurley H26-717 - Hurley H26-717 OH - As-Drilled	7,350.00	6,990.00	3,389.67	3,344.84	75.612	SF
Hurley H26-724 - Hurley H26-724 OH - As-Drilled	6,962.00	7,100.07	2,818.36	2,774.81	64.723	CC, ES
Hurley H26-724 - Hurley H26-724 OH - As-Drilled	7,200.00	7,039.23	2,832.63	2,788.56	64.277	SF
Hurley H26-730 - Hurley H26-730 OH - As-Drilled	6,840.41	6,896.00	2,428.62	2,386.22	57.283	CC, ES
Hurley H26-730 - Hurley H26-730 OH - As-Drilled	7,050.00	6,896.00	2,442.32	2,399.42	56.932	SF
Hurley H26-736 - Hurley H26-736 OH - As-Drilled	6,904.92	6,839.33	2,110.54	2,067.50	49.043	CC, ES
Hurley H26-736 - Hurley H26-736 OH - As-Drilled	7,050.00	6,841.76	2,116.58	2,073.29	48.901	SF
Hurley H26-743 - Hurley H26-743 OH - As-Drilled	6,895.20	7,231.24	1,598.93	1,554.14	35.697	CC, ES
Hurley H26-743 - Hurley H26-743 OH - As-Drilled	6,950.00	7,210.02	1,600.18	1,555.35	35.693	SF
Hurley H26-750 - Hurley H26-750 OH - As-Drilled	2,368.03	2,368.33	147.96	132.91	9.833	CC
Hurley H26-750 - Hurley H26-750 OH - As-Drilled	2,400.00	2,399.46	148.02	132.84	9.746	ES
Hurley H26-750 - Hurley H26-750 OH - As-Drilled	2,600.00	2,591.81	153.38	137.32	9.547	SF
Hurley H26-756 - Hurley H26-756 OH - As-Drilled	580.94	580.94	149.60	145.93	40.662	CC
Hurley H26-756 - Hurley H26-756 OH - As-Drilled	2,600.00	2,598.24	152.28	136.20	9.473	ES

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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
H Section 26						
Hurley H26-756 - Hurley H26-756 OH - As-Drilled	2,700.00	2,693.64	154.71	138.17	9.355	SF
Hurley H26-762 - Hurley H26-762 OH - As-Drilled	2,558.00	2,557.23	146.49	130.61	9.222	CC
Hurley H26-762 - Hurley H26-762 OH - As-Drilled	2,600.00	2,597.76	146.69	130.61	9.121	ES
Hurley H26-762 - Hurley H26-762 OH - As-Drilled	7,071.32	6,965.19	330.10	286.42	7.556	SF
Hurley H26-768 - Hurley H26-768 OH - As-Drilled	6,993.90	7,026.51	57.13	13.68	1.315	Level 3, CC, ES, SF
Hurley H26-776 - Hurley H26-776 OH - As-Drilled	522.08	521.09	155.02	151.75	47.470	CC
Hurley H26-776 - Hurley H26-776 OH - As-Drilled	2,224.22	2,223.29	158.80	144.38	11.011	ES
Hurley H26-776 - Hurley H26-776 OH - As-Drilled	2,800.00	2,791.72	169.79	152.75	9.962	SF
Hurley H26-783 - Hurley H26-783 OH - As-drilled	0.00	0.00	164.88			
Hurley H26-783 - Hurley H26-783 OH - As-drilled	2,000.00	1,998.53	171.36	157.76	12.606	ES
Hurley H26-783 - Hurley H26-783 OH - As-drilled	2,100.00	2,092.32	173.47	159.51	12.427	SF
Hurley H35-727 - Wellbore #1 - Plan #2	14,908.06	15,001.32	2,506.93	2,361.34	17.219	CC, ES, SF
Hurley H35-733 - Wellbore #1 - Plan #2	14,908.06	15,383.14	1,886.84	1,740.75	12.916	CC, ES, SF
Hurley H35-746 - Wellbore #1 - Plan #2	14,908.06	15,197.60	1,188.26	1,042.26	8.139	CC, ES, SF
Hurley H35-755 - Wellbore #1 - Plan #2	2,200.00	2,200.00	44.69	29.39	2.920	CC, ES
Hurley H35-755 - Wellbore #1 - Plan #2	2,300.00	2,298.48	46.35	30.35	2.896	SF
Hurley H35-774 - Wellbore #1 - Plan #2	2,400.00	2,400.00	22.35	5.61	1.335	Level 3, CC, ES, SF
Hurley H35-787 - Wellbore #1 - Plan #2	2,200.00	2,199.00	67.14	51.84	4.387	CC, ES
Hurley H35-787 - Wellbore #1 - Plan #2	2,300.00	2,296.74	68.78	52.79	4.300	SF
Hurley State H35-713 - Wellbore #1 - Plan #2	3,100.98	3,132.98	3,018.87	2,996.99	137.968	CC
Hurley State H35-713 - Wellbore #1 - Plan #2	3,200.00	3,200.00	3,019.04	2,996.57	134.328	ES
Hurley State H35-713 - Wellbore #1 - Plan #2	14,908.06	15,174.64	3,191.73	3,046.20	21.932	SF
John 03-26 - Original Drilling - Original Drilling - As Drilled	2,603.55	2,574.85	1,593.46	1,575.53	88.848	CC
John 03-26 - Original Drilling - Original Drilling - As Drilled	3,000.00	2,962.18	1,595.38	1,574.68	77.063	ES
John 03-26 - Original Drilling - Original Drilling - As Drilled	6,550.00	6,484.10	1,779.59	1,734.25	39.250	SF
Lamp H25-31 - Original Drilling - Original Drilling - As Dril	6,494.26	6,353.60	3,812.20	3,767.55	85.369	CC
Lamp H25-31 - Original Drilling - Original Drilling - As Dril	6,550.00	6,550.00	3,812.51	3,766.97	83.717	ES
Lamp H25-31 - Original Drilling - Original Drilling - As Dril	7,100.00	7,028.45	3,890.65	3,841.81	79.665	SF
Lamp H26-01 - Original Drilling - Original Drilling - As Dril	6,448.03	6,447.78	3,755.17	3,706.15	76.600	CC
Lamp H26-01 - Original Drilling - Original Drilling - As Dril	6,450.00	6,449.32	3,755.18	3,706.14	76.583	ES
Lamp H26-01 - Original Drilling - Original Drilling - As Dril	6,900.00	6,895.61	3,839.43	3,787.66	74.165	SF
Lamp H26-08 - Original Drilling - Original Drilling - As Dril	6,555.24	6,419.39	3,212.75	3,167.68	71.282	CC, ES
Lamp H26-08 - Original Drilling - Original Drilling - As Dril	7,200.00	6,852.69	3,305.26	3,256.79	68.194	SF
Lamp H26-22 - Original Drilling - Original Drilling - As Dril	7,077.30	7,115.15	2,434.53	2,380.15	44.771	CC, ES
Lamp H26-22 - Original Drilling - Original Drilling - As Dril	7,100.00	7,120.59	2,434.68	2,380.29	44.766	SF
Moser 05-26 - Original Drilling - Original Drilling - As Drille	4,679.60	4,665.71	792.80	760.14	24.274	CC
Moser 05-26 - Original Drilling - Original Drilling - As Drille	4,700.00	4,685.98	792.85	760.05	24.172	ES
Moser 05-26 - Original Drilling - Original Drilling - As Drille	6,550.00	6,524.35	956.43	910.99	21.048	SF
Moser 41-27 - Original Drilling - Original Drilling - As Drille	936.55	908.34	844.87	838.74	137.783	CC, ES
Moser 41-27 - Original Drilling - Original Drilling - As Drille	6,550.00	6,613.01	1,891.91	1,845.10	40.416	SF
Moser H26-11 - Original Drilling - Original Drilling - As Dri	7,447.76	6,969.02	283.20	233.84	5.738	CC, ES, SF
Moser H26-12 - Wellbore #1 - Wellbore #1 - As Drilled	7,681.33	6,974.32	850.58	800.62	17.025	CC, ES
Moser H26-12 - Wellbore #1 - Wellbore #1 - As Drilled	7,700.00	6,974.85	850.84	800.84	17.016	SF
Moser H26-13 - Wellbore #1 - Wellbore #1 - As Drilled	8,980.50	6,969.23	907.40	852.23	16.447	CC, ES
Moser H26-13 - Wellbore #1 - Wellbore #1 - As Drilled	9,000.00	6,970.15	907.61	852.35	16.425	SF
Moser H26-14 - Original Drilling - Original Drilling - As Dr	9,193.69	7,005.47	625.02	568.71	11.100	CC
Moser H26-14 - Original Drilling - Original Drilling - As Dr	9,200.00	7,005.43	625.05	568.70	11.092	ES, SF
Moser H26-18D - Original Drilling - Original Drilling - As D	6,453.71	6,888.86	1,628.34	1,575.54	30.838	CC, ES
Moser H26-18D - Original Drilling - Original Drilling - As D	6,700.00	7,105.94	1,662.64	1,607.76	30.294	SF
Moser H26-24 - Original Drilling - Original Drilling - As Dr	8,182.23	6,979.08	947.43	895.80	18.351	CC, ES
Moser H26-24 - Original Drilling - Original Drilling - As Dr	8,300.00	6,980.75	954.72	902.60	18.319	SF
Moser H26-25 - Original Drilling - Original Drilling - As Dr	8,378.12	6,979.55	145.11	92.71	2.769	CC, ES, SF
Moser H26-27D - Original Drilling - Original Drilling - As D	6,443.63	6,596.47	3,421.53	3,370.32	66.815	CC

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 26						
Moser H26-27D - Original Drilling - Original Drilling - As D	6,450.00	6,602.95	3,421.55	3,370.30	66.764	ES
Moser H26-27D - Original Drilling - Original Drilling - As D	6,750.00	6,882.85	3,473.23	3,420.23	65.525	SF
Moser H26-28D - Original Drilling - Original Drilling - As D	4,961.87	5,610.65	2,642.50	2,578.08	41.020	CC
Moser H26-28D - Original Drilling - Original Drilling - As D	5,100.00	5,745.38	2,643.36	2,577.42	40.088	ES
Moser H26-28D - Original Drilling - Original Drilling - As D	6,500.00	7,057.03	2,707.40	2,632.11	35.961	SF
Moser H26-29D - Original Drilling - Original Drilling - As D	4,883.55	5,811.63	2,300.27	2,223.42	29.931	CC
Moser H26-29D - Original Drilling - Original Drilling - As D	4,900.00	5,819.61	2,300.33	2,223.31	29.867	ES
Moser H26-29D - Original Drilling - Original Drilling - As D	6,450.00	7,262.93	2,491.22	2,396.52	26.306	SF
Moser, Wesley E. G. U. B1 (PA) - Original Drilling - Origin	8,665.53	6,972.00	505.14	336.25	2.991	CC, ES, SF

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 27						
HSR Moser 10-27 - Wellbore #1 - Wellbore #1 - As Drilled	171.42	139.43	3,428.74	3,428.04	4,921.147	CC
HSR Moser 10-27 - Wellbore #1 - Wellbore #1 - As Drilled	7,700.00	7,002.20	3,450.66	3,400.55	68.863	ES
HSR Moser 10-27 - Wellbore #1 - Wellbore #1 - As Drilled	8,500.00	6,975.08	3,548.75	3,496.22	67.556	SF
HSR Moser 1-27 - Original Drilling - Original Drilling - As	100.00	55.52	2,449.46	2,449.24	10,000.000	CC
HSR Moser 1-27 - Original Drilling - Original Drilling - As	1,000.00	943.46	2,452.36	2,445.88	378.463	ES
HSR Moser 1-27 - Original Drilling - Original Drilling - As	6,600.00	6,460.96	2,816.36	2,770.96	62.036	SF
HSR Moser 15-27 - Wellbore #1 - Wellbore #1 - As Drilled	8,982.01	6,923.74	3,715.18	3,660.21	67.579	CC
HSR Moser 15-27 - Wellbore #1 - Wellbore #1 - As Drilled	9,000.00	6,924.14	3,715.23	3,660.16	67.471	ES
HSR Moser 15-27 - Wellbore #1 - Wellbore #1 - As Drilled	10,100.00	6,948.63	3,879.62	3,819.30	64.310	SF
HSR Moser 16-27 - Original Drilling - Original Drilling - As	9,131.78	6,979.00	2,005.68	1,949.70	35.828	CC, ES
HSR Moser 16-27 - Original Drilling - Original Drilling - As	9,400.00	6,980.10	2,023.53	1,966.33	35.374	SF
HSR Thorson 09-27 - Wellbore #1 - Wellbore #1 - As Dril	8,021.46	6,935.79	2,529.11	2,478.26	49.733	CC, ES
HSR Thorson 09-27 - Wellbore #1 - Wellbore #1 - As Dril	8,500.00	6,940.50	2,573.98	2,521.49	49.035	SF
Moser 09-27X (PA) - Original Drilling - Original Drilling - A	7,717.67	6,980.55	2,039.40	1,987.41	39.225	CC, ES
Moser 09-27X (PA) - Original Drilling - Original Drilling - A	7,900.00	6,977.37	2,047.53	1,995.14	39.082	SF
Moser 23-27 - Wellbore #1 - Wellbore #1 - As Drilled	883.25	848.33	3,284.10	3,278.37	573.463	CC
Moser 23-27 - Wellbore #1 - Wellbore #1 - As Drilled	900.00	859.12	3,284.12	3,278.29	563.801	ES
Moser 23-27 - Wellbore #1 - Wellbore #1 - As Drilled	9,500.00	7,400.01	4,318.51	4,235.16	51.810	SF
Moser 24-27 - Original Drilling - Original Drilling - As Drille	850.63	818.64	2,064.20	2,058.70	375.323	CC
Moser 24-27 - Original Drilling - Original Drilling - As Drille	900.00	858.14	2,064.32	2,058.50	354.976	ES
Moser 24-27 - Original Drilling - Original Drilling - As Drille	7,250.00	7,003.84	2,787.28	2,736.52	54.906	SF
Moser 39-27 - Original Drilling - Original Drilling - As Drille	8,532.05	7,075.99	1,612.02	1,554.16	27.864	CC, ES
Moser 39-27 - Original Drilling - Original Drilling - As Drille	8,600.00	7,076.08	1,613.45	1,555.46	27.825	SF
Moser 7-27 - Wellbore #1 - Wellbore #1 - As Drilled	4,625.65	4,612.05	3,257.52	3,225.22	100.848	CC, ES
Moser 7-27 - Wellbore #1 - Wellbore #1 - As Drilled	7,200.00	6,906.40	3,523.00	3,474.43	72.534	SF
Moser Farms UPRR 31-27 #1 - Wellbore #1 - Wellbore #	1,547.98	1,506.02	3,719.25	3,708.85	357.344	CC
Moser Farms UPRR 31-27 #1 - Wellbore #1 - Wellbore #	4,607.48	4,575.09	3,727.04	3,694.96	116.158	ES
Moser Farms UPRR 31-27 #1 - Wellbore #1 - Wellbore #	6,850.00	6,593.05	4,056.92	4,010.43	87.260	SF
Moser Farms UPRR 42-27 #3 - Original Drilling - Original	4,653.77	4,645.06	1,894.77	1,862.29	58.333	CC
Moser Farms UPRR 42-27 #3 - Original Drilling - Original	4,700.00	4,690.45	1,895.06	1,862.26	57.778	ES
Moser Farms UPRR 42-27 #3 - Original Drilling - Original	6,900.00	6,765.42	2,105.84	2,058.53	44.512	SF
Moser H22-711 - Original Drilling - Original Drilling - As D	4,695.36	4,791.95	2,530.57	2,498.39	78.634	CC
Moser H22-711 - Original Drilling - Original Drilling - As D	4,700.00	4,795.63	2,530.58	2,498.37	78.562	ES
Moser H22-711 - Original Drilling - Original Drilling - As D	6,500.00	6,386.84	2,743.56	2,699.72	62.577	SF
Moser H22-715 - Original Drilling - Original Drilling - As D	1,871.45	1,857.94	2,631.79	2,620.44	231.873	CC
Moser H22-715 - Original Drilling - Original Drilling - As D	1,900.00	1,873.42	2,631.88	2,620.37	228.716	ES
Moser H22-715 - Original Drilling - Original Drilling - As D	6,550.00	6,386.26	2,927.92	2,883.80	66.376	SF
Moser H22-725 - Original Drilling - Original Drilling - As D	100.00	83.79	2,667.95	2,667.67	9,818.013	CC
Moser H22-725 - Original Drilling - Original Drilling - As D	1,800.00	1,750.00	2,668.77	2,657.99	247.461	ES
Moser H22-725 - Original Drilling - Original Drilling - As D	6,550.00	6,443.00	3,372.82	3,328.77	76.577	SF
Moser H22-735 - Original Drilling - Original Drilling - As D	3,960.14	3,965.57	3,770.70	3,746.32	154.671	CC
Moser H22-735 - Original Drilling - Original Drilling - As D	4,400.00	4,380.70	3,772.54	3,745.15	137.724	ES
Moser H22-735 - Original Drilling - Original Drilling - As D	6,650.00	6,347.97	4,065.85	4,023.90	96.926	SF
Moser H22-745 - Original Drilling - Original Drilling - As D	2,058.44	2,050.00	3,766.27	3,752.58	275.026	CC, ES
Moser H22-745 - Original Drilling - Original Drilling - As D	6,600.00	6,311.00	4,577.05	4,540.19	124.180	SF
Moser H22-748 - Original Drilling - Original Drilling - As D	222.28	211.28	3,811.49	3,810.38	3,447.131	CC
Moser H22-748 - Original Drilling - Original Drilling - As D	1,400.00	1,364.91	3,814.93	3,805.57	407.632	ES
Moser H22-748 - Original Drilling - Original Drilling - As D	6,650.00	6,311.00	4,725.07	4,684.79	117.316	SF
Moser H22-750 - Original Drilling - Original Drilling - As D	4,924.00	5,472.00	4,686.24	4,656.25	156.250	CC, ES
Moser H22-750 - Original Drilling - Original Drilling - As D	6,750.00	6,542.70	4,910.25	4,872.97	131.715	SF
Moser H22-755 - Original Drilling - Original Drilling - As D	4,691.10	4,856.55	5,081.08	5,051.91	174.179	CC
Moser H22-755 - Original Drilling - Original Drilling - As D	4,700.00	4,866.58	5,081.09	5,051.86	173.805	ES
Moser H22-755 - Original Drilling - Original Drilling - As D	6,700.00	6,275.92	5,359.06	5,321.53	142.789	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 27						
Moser H22-765 - Original Drilling - Original Drilling - As D	303.16	291.16	5,231.19	5,229.83	3,827.026	CC, ES
Moser H22-765 - Original Drilling - Original Drilling - As D	6,800.00	6,527.59	5,836.72	5,793.74	135.808	SF
Moser H22-776 - Original Drilling - Original Drilling - As D	100.00	81.53	6,243.33	6,243.07	10,000.000	CC
Moser H22-776 - Original Drilling - Original Drilling - As D	1,900.00	1,856.42	6,249.32	6,238.11	557.743	ES
Moser H22-776 - Original Drilling - Original Drilling - As D	6,900.00	6,525.00	6,593.59	6,549.24	148.654	SF
Moser H34-717 - Original Drilling - Original Drilling - As D	9,178.24	11,130.71	1,855.25	1,777.92	23.994	CC
Moser H34-717 - Original Drilling - Original Drilling - As D	9,400.00	11,320.67	1,856.20	1,776.40	23.259	ES
Moser H34-717 - Original Drilling - Original Drilling - As D	14,500.00	16,342.00	1,970.90	1,817.55	12.853	SF
Moser H34-725 - Original Drilling - Original Drilling - As D	7,670.26	9,946.40	2,413.55	2,352.89	39.788	CC
Moser H34-725 - Original Drilling - Original Drilling - As D	11,600.00	13,876.55	2,454.00	2,344.36	22.381	ES
Moser H34-725 - Original Drilling - Original Drilling - As D	14,600.00	16,701.00	2,556.04	2,402.49	16.647	SF
Moser H34-735 - Original Drilling - Original Drilling - As D	14,375.01	16,441.00	3,196.68	2,965.89	13.851	CC
Moser H34-735 - Original Drilling - Original Drilling - As D	14,400.00	16,441.00	3,196.77	2,965.83	13.842	ES
Moser H34-735 - Original Drilling - Original Drilling - As D	14,500.00	16,441.00	3,199.12	2,967.67	13.822	SF
Moser H34-748 - Original Drilling - Original Drilling - As D	761.40	750.44	3,828.85	3,823.93	777.105	CC
Moser H34-748 - Original Drilling - Original Drilling - As D	14,100.00	16,221.28	3,992.41	3,758.56	17.073	ES
Moser H34-748 - Original Drilling - Original Drilling - As D	14,700.00	16,561.00	4,019.42	3,775.38	16.470	SF
Moser H34-750 - Original Drilling - Original Drilling - As D	14,367.90	16,800.00	4,190.34	4,033.82	26.772	CC
Moser H34-750 - Original Drilling - Original Drilling - As D	14,400.00	16,800.00	4,190.46	4,033.73	26.737	ES
Moser H34-750 - Original Drilling - Original Drilling - As D	14,800.00	16,800.00	4,212.56	4,053.90	26.551	SF
Moser H34-757 - Original Drilling - Original Drilling - As D	14,361.72	16,873.00	4,636.96	4,481.66	29.858	CC
Moser H34-757 - Original Drilling - Original Drilling - As D	14,400.00	16,873.00	4,637.12	4,481.55	29.807	ES
Moser H34-757 - Original Drilling - Original Drilling - As D	14,900.00	16,873.00	4,668.10	4,509.87	29.502	SF
Moser H34-769 - Original Drilling - Original Drilling - As D	14,211.28	16,509.93	5,773.08	5,613.29	36.129	CC
Moser H34-769 - Original Drilling - Original Drilling - As D	14,300.00	16,558.49	5,773.39	5,612.55	35.895	ES
Moser H34-769 - Original Drilling - Original Drilling - As D	14,908.06	16,650.00	5,801.85	5,636.36	35.060	SF
Moser H34-778 - Original Drilling - Original Drilling -As Dr	9,575.02	11,921.00	6,011.60	5,920.52	66.009	CC
Moser H34-778 - Original Drilling - Original Drilling -As Dr	13,500.00	15,792.00	6,036.06	5,888.45	40.892	ES
Moser H34-778 - Original Drilling - Original Drilling -As Dr	14,908.06	16,453.00	6,126.53	5,964.04	37.704	SF
Moser H34-778 - Original Drilling - ST01 - Original Drilling	8,082.28	10,426.00	6,022.08	5,967.44	110.222	CC
Moser H34-778 - Original Drilling - ST01 - Original Drilling	14,000.00	16,265.62	6,070.21	5,929.29	43.075	ES
Moser H34-778 - Original Drilling - ST01 - Original Drilling	14,908.06	16,440.00	6,127.25	5,979.19	41.386	SF
Ritchey 1-27 1 - Wellbore #1 - Wellbore #1 - As Drilled	4,605.41	4,575.44	5,024.46	4,992.38	156.613	CC, ES
Ritchey 1-27 1 - Wellbore #1 - Wellbore #1 - As Drilled	11,200.00	11,200.00	7,387.78	7,314.82	101.266	SF
Ritchey H27-04 - Wellbore #1 - Wellbore #1- As Drilled	310.19	268.19	6,436.85	6,435.21	3,918.061	CC
Ritchey H27-04 - Wellbore #1 - Wellbore #1- As Drilled	2,100.00	2,022.55	6,442.32	6,428.13	454.132	ES
Ritchey H27-04 - Wellbore #1 - Wellbore #1- As Drilled	7,250.00	6,803.98	6,888.52	6,840.26	142.750	SF
Ritchey H27-05 - Wellbore #1 - Wellbore #1- As Drilled	100.00	51.90	6,200.87	6,200.65	10,000.000	CC
Ritchey H27-05 - Wellbore #1 - Wellbore #1- As Drilled	1,300.00	1,227.57	6,204.74	6,196.19	725.964	ES
Ritchey H27-05 - Wellbore #1 - Wellbore #1- As Drilled	9,700.00	7,000.01	7,403.75	7,347.03	130.524	SF
Ritchey H27-11 - Wellbore #1 - Wellbore #1 - As Drilled	1,673.13	1,640.17	4,828.67	4,817.35	426.336	CC
Ritchey H27-11 - Wellbore #1 - Wellbore #1 - As Drilled	4,600.00	4,566.59	4,831.46	4,799.43	150.811	ES
Ritchey H27-11 - Wellbore #1 - Wellbore #1 - As Drilled	9,500.00	6,958.99	5,267.50	5,210.91	93.085	SF
Ritchey H27-12 - Wellbore #1 - Wellbore #1- As Drilled	179.92	148.92	5,965.97	5,965.21	7,872.369	CC
Ritchey H27-12 - Wellbore #1 - Wellbore #1- As Drilled	3,900.00	3,828.37	5,987.39	5,960.44	222.237	ES
Ritchey H27-12 - Wellbore #1 - Wellbore #1- As Drilled	10,600.00	6,842.49	6,887.02	6,825.91	112.708	SF
Ritchey H27-14 - Wellbore #1 - Wellbore #1 - As Drilled	8,944.21	6,975.36	4,925.82	4,870.84	89.595	CC, ES
Ritchey H27-14 - Wellbore #1 - Wellbore #1 - As Drilled	10,800.00	7,016.64	5,263.67	5,199.45	81.960	SF
Ritchey H27-20 - Wellbore #1 - Wellbore #1 - As Drilled	0.00	0.00	5,343.09			
Ritchey H27-20 - Wellbore #1 - Wellbore #1 - As Drilled	100.00	42.73	5,343.14	5,342.94	10,000.000	ES
Ritchey H27-20 - Wellbore #1 - Wellbore #1 - As Drilled	9,900.00	9,900.00	6,534.80	6,466.48	95.650	SF
Ritchey H27-21 - Wellbore #1 - Wellbore #1 - As Drilled	4,602.98	4,573.70	4,133.74	4,101.61	128.654	CC, ES
Ritchey H27-21 - Wellbore #1 - Wellbore #1 - As Drilled	7,900.00	6,969.53	4,383.97	4,333.52	86.895	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 27						
Ritchey H27-25 - Wellbore #1 - Wellbore #1 - As Drilled	8,374.91	6,962.61	5,603.99	5,551.69	107.153	CC
Ritchey H27-25 - Wellbore #1 - Wellbore #1 - As Drilled	8,400.00	6,963.06	5,604.05	5,551.65	106.946	ES
Ritchey H27-25 - Wellbore #1 - Wellbore #1 - As Drilled	10,900.00	7,023.09	6,146.29	6,082.13	95.800	SF
Ritchey H34-28 - Wellbore #1 - Wellbore #1 - As Drilled	9,624.71	6,654.55	4,508.10	4,450.60	78.394	CC, ES
Ritchey H34-28 - Wellbore #1 - Wellbore #1 - As Drilled	11,100.00	6,662.77	4,743.35	4,678.17	72.777	SF
Ritchey H34-29 - Wellbore #1 - Wellbore #1 - As Drilled	9,309.09	7,043.24	5,613.02	5,555.77	98.035	CC, ES
Ritchey H34-29 - Wellbore #1 - Wellbore #1 - As Drilled	11,600.00	6,903.17	6,061.19	5,992.60	88.365	SF
UPRR 53 Pan Am Unit "O" 1 - Original Drilling - Original D	484.23	447.26	2,652.42	2,649.52	915.522	CC
UPRR 53 Pan Am Unit "O" 1 - Original Drilling - Original D	600.00	547.78	2,652.71	2,649.04	722.681	ES
UPRR 53 Pan Am Unit "O" 1 - Original Drilling - Original D	6,900.00	6,796.09	2,975.96	2,928.53	62.746	SF

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 34						
Cannon H34-11 - Wellbore #1 - Wellbore #1 - As Drilled	12,979.98	6,800.01	4,976.23	4,895.18	61.396	CC
Cannon H34-11 - Wellbore #1 - Wellbore #1 - As Drilled	13,000.00	6,800.01	4,976.27	4,895.08	61.288	ES
Cannon H34-11 - Wellbore #1 - Wellbore #1 - As Drilled	14,300.00	6,817.43	5,148.28	5,059.37	57.901	SF
Cannon H34-12 - Wellbore #1 - Wellbore #1 - As Drilled	12,911.23	7,003.01	6,204.04	6,122.74	76.309	CC
Cannon H34-12 - Wellbore #1 - Wellbore #1 - As Drilled	13,000.00	7,003.09	6,204.68	6,122.73	75.720	ES
Cannon H34-12 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,997.33	6,517.47	6,424.31	69.959	SF
Cannon H34-13 - Wellbore #1 - Wellbore #1 - As Drilled	14,192.90	6,857.00	6,130.13	6,039.70	67.789	CC
Cannon H34-13 - Wellbore #1 - Wellbore #1 - As Drilled	14,200.00	6,856.97	6,130.13	6,039.65	67.749	ES
Cannon H34-13 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,853.81	6,171.70	6,076.33	64.712	SF
Cannon H34-14 - Wellbore #1 - Wellbore #1 - As Drilled	14,272.69	7,100.01	4,960.72	4,868.69	53.903	CC
Cannon H34-14 - Wellbore #1 - Wellbore #1 - As Drilled	14,300.00	7,100.01	4,960.80	4,868.56	53.786	ES
Cannon H34-14 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	7,100.01	5,001.25	4,904.97	51.944	SF
Cannon H34-25 - Wellbore #1 - Wellbore #1 - As Drilled	13,517.76	7,000.01	5,570.98	5,485.10	64.870	CC, ES
Cannon H34-25 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,982.35	5,741.80	5,647.45	60.858	SF
Cannon Land 11-34 - Wellbore #1 - Wellbore #1 - As Drill	12,753.93	6,860.66	4,948.93	4,869.31	62.161	CC
Cannon Land 11-34 - Wellbore #1 - Wellbore #1 - As Drill	12,800.00	6,861.16	4,949.14	4,869.20	61.908	ES
Cannon Land 11-34 - Wellbore #1 - Wellbore #1 - As Drill	14,100.00	6,875.96	5,128.71	5,041.13	58.564	SF
Cannon X 03-29 - Wellbore #1 - Wellbore #1 - As Drilled	14,764.68	7,030.66	5,530.41	5,434.92	57.914	CC
Cannon X 03-29 - Wellbore #1 - Wellbore #1 - As Drilled	14,800.00	7,030.08	5,530.52	5,434.77	57.756	ES
Cannon X 03-29 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	7,028.35	5,532.27	5,435.72	57.303	SF
Cannon X 03-30D - Wellbore #1 - Wellbore #1 - As Drilled	14,783.98	7,249.15	6,757.08	6,657.49	67.851	CC
Cannon X 03-30D - Wellbore #1 - Wellbore #1 - As Drilled	14,800.00	7,249.06	6,757.10	6,657.37	67.757	ES
Cannon X 03-30D - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	7,248.43	6,758.22	6,657.57	67.146	SF
Moser 34-06 - Original Drilling - Original Drilling - As Drille	11,263.71	7,000.00	5,223.36	5,153.97	75.277	CC
Moser 34-06 - Original Drilling - Original Drilling - As Drille	11,300.00	7,000.00	5,223.48	5,153.85	75.016	ES
Moser 34-06 - Original Drilling - Original Drilling - As Drille	13,000.00	7,000.00	5,504.38	5,425.12	69.448	SF
Moser H34-01 - Original Drilling - Original Drilling - As Dr	10,440.20	7,048.06	2,192.44	2,128.40	34.236	CC, ES
Moser H34-01 - Original Drilling - Original Drilling - As Dr	10,800.00	7,042.03	2,221.76	2,155.87	33.722	SF
Moser H34-02 - Wellbore #1 - Wellbore #1 - As Drilled	10,331.37	7,100.19	3,492.59	3,429.06	54.980	CC, ES
Moser H34-02 - Wellbore #1 - Wellbore #1 - As Drilled	11,200.00	7,150.98	3,598.62	3,530.25	52.628	SF
Moser H34-04 - Wellbore #1 - Wellbore #1 - As Drilled	10,304.86	6,900.01	6,252.65	6,190.01	99.821	CC, ES
Moser H34-04 - Wellbore #1 - Wellbore #1 - As Drilled	12,900.00	6,932.63	6,769.70	6,692.57	87.763	SF
Moser H34-06 - Wellbore #1 - Wellbore #1 - As Drilled	11,263.71	7,000.01	5,223.36	5,153.97	75.277	CC
Moser H34-06 - Wellbore #1 - Wellbore #1 - As Drilled	11,300.00	7,000.01	5,223.48	5,153.85	75.016	ES
Moser H34-06 - Wellbore #1 - Wellbore #1 - As Drilled	13,000.00	7,000.01	5,504.38	5,425.12	69.448	SF
Moser H34-08 - Original Drilling - Original Drilling - As Dr	11,295.00	6,999.33	2,583.02	2,513.42	37.110	CC
Moser H34-08 - Original Drilling - Original Drilling - As Dr	11,300.00	6,999.32	2,583.03	2,513.39	37.092	ES
Moser H34-08 - Original Drilling - Original Drilling - As Dr	11,700.00	6,998.22	2,614.58	2,542.72	36.384	SF
Moser H34-09 - Wellbore #1 - Wellbore #1 - As Drilled	12,951.04	7,000.29	2,111.56	2,029.97	25.881	CC, ES
Moser H34-09 - Wellbore #1 - Wellbore #1 - As Drilled	13,200.00	7,000.54	2,126.18	2,043.20	25.621	SF
Moser H34-10 - Wellbore #1 - Wellbore #1 - As Drilled	12,830.46	6,953.30	3,564.08	3,483.55	44.260	CC, ES
Moser H34-10 - Wellbore #1 - Wellbore #1 - As Drilled	13,500.00	6,956.12	3,626.42	3,541.93	42.923	SF
Moser H34-15 - Wellbore #1 - Wellbore #1 - As Drilled	14,169.27	7,006.25	3,533.74	3,442.88	38.891	CC
Moser H34-15 - Wellbore #1 - Wellbore #1 - As Drilled	14,200.00	7,006.66	3,533.87	3,442.79	38.797	ES
Moser H34-15 - Wellbore #1 - Wellbore #1 - As Drilled	14,800.00	7,015.20	3,589.58	3,494.98	37.945	SF
Moser H34-16 - Wellbore #1 - Wellbore #1 - As Drilled	14,198.91	6,963.92	2,128.26	2,037.37	23.417	CC
Moser H34-16 - Wellbore #1 - Wellbore #1 - As Drilled	14,200.00	6,963.94	2,128.26	2,037.37	23.415	ES
Moser H34-16 - Wellbore #1 - Wellbore #1 - As Drilled	14,400.00	6,968.19	2,137.73	2,045.66	23.217	SF
Moser H34-18 - Wellbore #1 - Wellbore #1 - As Drilled	10,967.50	6,935.13	4,353.19	4,286.07	64.863	CC
Moser H34-18 - Wellbore #1 - Wellbore #1 - As Drilled	11,000.00	6,935.11	4,353.31	4,285.98	64.661	ES
Moser H34-18 - Wellbore #1 - Wellbore #1 - As Drilled	12,200.00	6,934.48	4,524.30	4,450.27	61.117	SF
Moser H34-20 - Wellbore #1 - Wellbore #1 - As Drilled	12,130.63	6,973.91	5,558.08	5,482.62	73.654	CC
Moser H34-20 - Wellbore #1 - Wellbore #1 - As Drilled	12,200.00	6,973.13	5,558.51	5,482.57	73.191	ES

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 34						
Moser H34-20 - Wellbore #1 - Wellbore #1 - As Drilled	13,900.00	6,959.20	5,832.90	5,747.15	68.021	SF
Moser H34-21 - Wellbore #1 - Wellbore #1 - As Drilled	12,031.16	6,942.62	4,418.95	4,344.35	59.239	CC, ES
Moser H34-21 - Wellbore #1 - Wellbore #1 - As Drilled	13,200.00	6,941.48	4,570.92	4,489.59	56.200	SF
Moser H34-22 - Wellbore #1 - Wellbore #1 - As Drilled	12,102.98	6,980.75	2,777.71	2,702.42	36.894	CC, ES
Moser H34-22 - Wellbore #1 - Wellbore #1 - As Drilled	12,600.00	6,978.83	2,821.82	2,743.77	36.150	SF
Moser H34-23 - Wellbore #1 - Wellbore #1 - As Drilled	13,545.20	7,003.52	2,880.74	2,794.67	33.470	CC, ES
Moser H34-23 - Wellbore #1 - Wellbore #1 - As Drilled	14,000.00	7,013.52	2,916.40	2,827.68	32.872	SF
Moser H34-31 - Wellbore #1 - Wellbore #1 - As Drilled	10,899.08	7,077.98	6,746.61	6,679.43	100.418	CC
Moser H34-31 - Wellbore #1 - Wellbore #1 - As Drilled	10,900.00	7,078.01	6,746.61	6,679.42	100.408	ES
Moser H34-31 - Wellbore #1 - Wellbore #1 - As Drilled	13,700.00	7,148.84	7,304.43	7,221.00	87.559	SF
Moser H35-32 - Wellbore #1 - Wellbore #1 - As Drilled	12,118.70	6,985.21	1,714.04	1,638.61	22.722	CC, ES
Moser H35-32 - Wellbore #1 - Wellbore #1 - As Drilled	12,300.00	6,985.93	1,723.60	1,647.19	22.555	SF
Moser H35-33 - Wellbore #1 - Wellbore #1 - As Drilled	13,614.51	7,016.50	1,650.99	1,564.34	19.055	CC, ES
Moser H35-33 - Wellbore #1 - Wellbore #1 - As Drilled	13,700.00	7,014.09	1,653.20	1,566.04	18.969	SF
Moser X 3-27 - Wellbore #1 - Wellbore #1 - As Drilled	14,786.88	6,836.30	2,927.86	2,832.98	30.859	CC
Moser X 3-27 - Wellbore #1 - Wellbore #1 - As Drilled	14,800.00	6,836.98	2,927.89	2,832.91	30.828	ES
Moser X 3-27 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,842.60	2,930.36	2,834.62	30.608	SF
Moser X 3-28 - Wellbore #1 - Wellbore #1 - As Drilled	14,776.37	6,886.59	4,178.05	4,082.96	43.938	CC
Moser X 3-28 - Wellbore #1 - Wellbore #1 - As Drilled	14,800.00	6,887.78	4,178.12	4,082.85	43.856	ES
Moser X 3-28 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,893.31	4,180.12	4,084.06	43.514	SF

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 35						
Cannon Farms 01-35C - Original Drilling - Original Drilling	13,899.11	6,979.65	2,533.05	2,444.36	28.562	CC
Cannon Farms 01-35C - Original Drilling - Original Drilling	13,900.00	6,979.61	2,533.05	2,444.36	28.560	ES
Cannon Farms 01-35C - Original Drilling - Original Drilling	14,300.00	6,966.07	2,564.55	2,473.34	28.117	SF
Cannon H35-03D - Original Drilling - Original Drilling - As	13,363.64	6,991.91	110.59	26.01	1.308	Level 3, CC, ES, SF
Cannon H35-09 - Original Drilling - Original Drilling - As D	12,971.73	7,012.61	2,919.88	2,833.36	33.747	CC
Cannon H35-09 - Original Drilling - Original Drilling - As D	13,000.00	7,011.99	2,920.01	2,833.28	33.668	ES
Cannon H35-09 - Original Drilling - Original Drilling - As D	13,400.00	7,003.33	2,951.10	2,861.88	33.075	SF
Cannon H35-10 - Original Drilling - Original Drilling - As D	13,071.46	6,962.52	1,677.59	1,595.24	20.371	CC, ES
Cannon H35-10 - Original Drilling - Original Drilling - As D	13,200.00	6,963.23	1,682.51	1,599.24	20.206	SF
Cannon H35-11 - Original Drilling - Original Drilling - As D	12,946.99	7,011.16	610.26	528.74	7.486	CC, ES
Cannon H35-11 - Original Drilling - Original Drilling - As D	13,000.00	7,011.18	612.57	530.71	7.483	SF
Cannon H35-12 - Original Drilling - Original Drilling - As D	13,038.63	6,984.90	856.53	774.34	10.422	CC, ES
Cannon H35-12 - Original Drilling - Original Drilling - As D	13,100.00	6,985.56	858.72	776.28	10.416	SF
Cannon H35-13 - Wellbore #1 - Wellbore #1 - As Drilled	14,230.62	6,990.01	927.26	836.01	10.162	CC, ES
Cannon H35-13 - Wellbore #1 - Wellbore #1 - As Drilled	14,300.00	6,988.17	929.85	838.32	10.159	SF
Cannon H35-14 - Original Drilling - Original Drilling - As D	14,274.15	6,991.71	466.00	368.14	4.762	CC, ES
Cannon H35-14 - Original Drilling - Original Drilling - As D	14,300.00	6,991.54	466.72	368.68	4.760	SF
Cannon H35-15 (PA) - Original Drilling - Original Drilling -	14,319.35	6,984.00	1,682.08	1,474.72	8.112	CC, ES
Cannon H35-15 (PA) - Original Drilling - Original Drilling -	14,400.00	6,984.00	1,684.01	1,476.04	8.097	SF
Cannon H35-20 - Original Drilling - Original Drilling - As D	12,442.33	6,974.37	250.90	173.27	3.232	CC, ES, SF
Cannon H35-21 - Original Drilling - Original Drilling - As D	12,535.24	6,983.07	1,167.65	1,089.22	14.887	CC, ES
Cannon H35-21 - Original Drilling - Original Drilling - As D	12,600.00	6,983.30	1,169.44	1,090.54	14.820	SF
Cannon H35-22 - Original Drilling - Original Drilling - As D	12,460.58	6,842.43	2,096.08	2,018.61	27.058	CC, ES
Cannon H35-22 - Original Drilling - Original Drilling - As D	12,800.00	6,842.04	2,123.38	2,043.74	26.662	SF
Cannon H35-24 - Original Drilling - Original Drilling - As D	13,721.24	7,024.90	955.16	867.79	10.932	CC, ES
Cannon H35-24 - Original Drilling - Original Drilling - As D	13,800.00	7,025.74	958.41	870.50	10.903	SF
Cannon X02-27 - Original Drilling - Original Drilling - As D	14,805.92	6,975.37	2,099.29	2,003.69	21.960	CC, ES
Cannon X02-27 - Original Drilling - Original Drilling - As D	14,908.06	6,975.34	2,101.77	2,005.40	21.808	SF
Cannon X02-28 - Original Drilling - Original Drilling - As D	14,565.46	7,011.94	917.38	823.53	9.775	CC, ES
Cannon X02-28 - Original Drilling - Original Drilling - As D	14,600.00	7,012.00	918.03	823.91	9.754	SF
Cannon X02-29 - Original Drilling - Original Drilling - As D	14,638.18	7,022.68	409.93	315.09	4.322	CC, ES, SF
Foster 18-35 - Original Drilling - Original Drilling - As Drill	10,777.95	6,968.25	365.31	299.36	5.540	CC, ES, SF
Foster UPRR 31-35 #1 (PA) - Original Drilling - Original D	10,216.77	6,996.01	1,767.55	1,589.73	9.940	CC, ES
Foster UPRR 31-35 #1 (PA) - Original Drilling - Original D	10,300.00	6,996.01	1,769.51	1,591.14	9.920	SF
Foster UPRR 32-35 - Original Drilling - Original Drilling - A	11,549.19	6,988.63	1,625.23	1,553.89	22.781	CC, ES
Foster UPRR 32-35 - Original Drilling - Original Drilling - A	11,700.00	6,989.09	1,632.21	1,559.84	22.555	SF
Foster UPRR 41-35 - Original Drilling - Original Drilling - A	10,447.99	6,977.56	3,093.58	3,020.74	42.473	CC, ES
Foster UPRR 41-35 - Original Drilling - Original Drilling - A	11,100.00	6,981.15	3,161.54	3,084.67	41.127	SF
Foster UPRR 42-35 #2 - Original Drilling - Original Drilling	11,537.84	6,854.98	3,036.08	2,965.24	42.862	CC, ES
Foster UPRR 42-35 #2 - Original Drilling - Original Drilling	12,200.00	6,863.89	3,107.43	3,032.48	41.458	SF
HSR Foster 03-35 - Original Drilling - Original Drilling - As	10,423.22	6,978.75	524.60	460.94	8.240	CC, ES, SF
HSR Foster 04-35 - Wellbore #1 - Wellbore #1 - As Drille	10,107.59	6,880.16	1,142.23	1,081.11	18.689	CC, ES
HSR Foster 04-35 - Wellbore #1 - Wellbore #1 - As Drille	10,200.00	6,880.65	1,145.96	1,084.42	18.620	SF
HSR Foster 05-35 - Wellbore #1 - Wellbore #1 - As Drille	11,699.24	6,916.09	947.27	875.26	13.155	CC
HSR Foster 05-35 - Wellbore #1 - Wellbore #1 - As Drille	11,700.00	6,916.11	947.27	875.26	13.155	ES, SF
HSR Foster 06-35 - Original Drilling - Original Drilling - As	11,602.17	6,993.23	425.34	353.64	5.932	CC, ES, SF
UPRR 53 Pan Am Unit P1 - Original Drilling - Original Dri	11,029.61	6,991.43	2,533.34	2,465.61	37.404	CC, ES
UPRR 53 Pan Am Unit P1 - Original Drilling - Original Dri	11,500.00	6,990.16	2,576.64	2,505.99	36.473	SF
UPRR 53 Pan Am UT P2 - Original Drilling - Original Drill	10,638.01	6,984.43	56.51	-8.47	0.870	Level 1, 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

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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
H Section 36						
Dechant 07-36 - Original Drilling - Original Drilling - As Dr	11,965.32	6,830.95	6,712.43	6,638.66	91.001	CC
Dechant 07-36 - Original Drilling - Original Drilling - As Dr	12,000.00	6,831.10	6,712.51	6,638.50	90.688	ES
Dechant 07-36 - Original Drilling - Original Drilling - As Dr	14,600.00	6,842.19	7,210.97	7,121.02	80.165	SF
Dechant 13N-1HZ - Production Hole - Production Hole - A	14,400.00	14,400.00	4,175.49	4,051.95	33.800	SF
Dechant 13N-1HZ - Production Hole - Production Hole - A	14,908.06	6,963.31	4,120.25	4,024.76	43.147	CC, ES
Dechant 13N-1HZ - Surface Hole - Surface Hole - As Dril	14,803.65	600.00	8,051.40	7,981.79	115.666	CC
Dechant 13N-1HZ - Surface Hole - Surface Hole - As Dril	14,900.00	600.00	8,051.97	7,981.63	114.468	ES
Dechant 13N-1HZ - Surface Hole - Surface Hole - As Dril	14,908.06	600.00	8,052.07	7,981.67	114.371	SF
Dechant 14C-1HZ - Production Hole - Production Hole - A	14,700.00	14,700.00	5,473.96	5,356.68	46.672	ES, SF
Dechant 14C-1HZ - Production Hole - Production Hole - A	14,908.06	6,911.00	5,467.51	5,373.38	58.084	CC
Dechant 14C-1HZ - Surface Hole - Surface Hole - As Dril	14,808.02	610.00	8,100.39	8,030.67	116.177	CC
Dechant 14C-1HZ - Surface Hole - Surface Hole - As Dril	14,900.00	610.00	8,100.92	8,030.49	115.029	ES
Dechant 14C-1HZ - Surface Hole - Surface Hole - As Dril	14,908.06	610.00	8,101.01	8,030.52	114.931	SF
Dechant 15-36 - Original Drilling - Original Drilling - As Dr	14,418.79	6,929.02	6,683.89	6,574.82	61.282	CC
Dechant 15-36 - Original Drilling - Original Drilling - As Dr	14,500.00	6,929.37	6,684.38	6,574.67	60.926	ES
Dechant 15-36 - Original Drilling - Original Drilling - As Dr	14,908.06	6,931.14	6,701.77	6,588.94	59.398	SF
Dechant 24-36 - Original Drilling - Original Drilling - As Dr	12,306.33	7,096.06	7,400.23	7,320.77	93.134	CC
Dechant 24-36 - Original Drilling - Original Drilling - As Dr	12,400.00	7,096.09	7,400.82	7,320.55	92.203	ES
Dechant 24-36 - Original Drilling - Original Drilling - As Dr	14,908.06	7,096.98	7,844.26	7,744.96	78.994	SF
Dechant 35N-E1HZ - Production Hole - Production Hole -	14,900.00	14,900.00	5,187.29	5,049.71	37.702	ES, SF
Dechant 35N-E1HZ - Production Hole - Production Hole -	14,908.06	6,963.00	5,187.03	5,092.48	54.861	CC
Dechant 35N-E1HZ - Surface Hole - Surface Hole - As D	14,806.74	612.00	8,082.12	8,012.42	115.959	CC
Dechant 35N-E1HZ - Surface Hole - Surface Hole - As D	14,900.00	612.00	8,082.66	8,012.25	114.797	ES
Dechant 35N-E1HZ - Surface Hole - Surface Hole - As D	14,908.06	612.00	8,082.75	8,012.28	114.699	SF
Dechant 35N-W1HZ - Original Drilling - Original Drilling -	14,908.06	6,886.00	4,753.88	4,659.71	50.478	CC, ES, SF
Dechant 36N-W1HZ - Original Drilling - Original Drilling -	14,812.94	6,213.19	5,817.41	5,723.38	61.869	CC
Dechant 36N-W1HZ - Original Drilling - Original Drilling -	14,900.00	6,213.31	5,818.06	5,723.34	61.425	ES
Dechant 36N-W1HZ - Original Drilling - Original Drilling -	14,908.06	6,213.32	5,818.19	5,723.41	61.386	SF
Dechant 37N-E1HZ - Production Hole - Production Hole -	14,908.06	14,908.06	7,825.53	7,695.28	60.084	CC, ES, SF
Dechant 37N-E1HZ - Surface Hole - Surface Hole - As D	14,789.43	648.00	8,943.47	8,872.92	126.771	CC
Dechant 37N-E1HZ - Surface Hole - Surface Hole - As D	14,900.00	648.00	8,944.15	8,872.76	125.277	ES
Dechant 37N-E1HZ - Surface Hole - Surface Hole - As D	14,908.06	648.00	8,944.25	8,872.80	125.171	SF
Dechant 37N-W1HZ - Production Hole - Production Hole	14,600.00	14,600.00	7,208.07	7,097.01	64.904	ES, SF
Dechant 37N-W1HZ - Production Hole - Production Hole	14,761.64	7,346.21	7,206.70	7,111.31	75.550	CC
Dechant 37N-W1HZ - Surface Hole - Surface Hole - As D	14,807.86	655.00	8,954.13	8,883.41	126.611	CC
Dechant 37N-W1HZ - Surface Hole - Surface Hole - As D	14,900.00	655.00	8,954.60	8,883.17	125.366	ES
Dechant 37N-W1HZ - Surface Hole - Surface Hole - As D	14,908.06	655.00	8,954.69	8,883.20	125.259	SF
Dechant State 15C-1HZ - Wellbore #1 - As Drilled	13,900.00	13,900.00	6,841.30	6,698.36	47.864	SF
Dechant State 15C-1HZ - Wellbore #1 - As Drilled	14,763.11	11,658.32	6,815.52	6,687.03	53.043	CC
Dechant State 15C-1HZ - Wellbore #1 - As Drilled	14,900.00	11,780.51	6,815.74	6,684.95	52.113	ES
Dechant State 16C-1HZ - Original Drilling - Original Drillin	14,908.06	12,644.87	8,020.53	7,845.43	45.804	CC, ES, SF
Dechant State 36N-E1HZ - Wellbore #1 - Wellbore #1	14,200.00	14,200.00	6,475.33	6,325.01	43.077	ES, SF
Dechant State 36N-E1HZ - Wellbore #1 - Wellbore #1	14,504.86	11,272.00	6,469.90	6,346.11	52.264	CC
Dechant State 37N-E36HZ - Wellbore #1 - As Drilled	14,300.00	14,300.00	7,822.29	7,670.51	51.535	ES, SF
Dechant State 37N-E36HZ - Wellbore #1 - As Drilled	14,571.41	11,466.00	7,817.75	7,691.86	62.097	CC
Dechant State 37N-W36HZ - Wellbore #1 - As Drilled	14,568.39	11,490.00	7,279.19	7,153.06	57.714	CC
Dechant State 37N-W36HZ - Wellbore #1 - As Drilled	14,600.00	11,490.00	7,279.26	7,152.88	57.598	ES
Dechant State 37N-W36HZ - Wellbore #1 - As Drilled	14,908.06	11,490.00	7,287.11	7,158.35	56.593	SF
Dechant State 38N-1HZ - Wellbore #1 - As Drilled	13,800.00	13,800.00	8,560.72	8,417.57	59.803	ES, SF
Dechant State 38N-1HZ - Wellbore #1 - As Drilled	14,563.98	11,399.00	8,551.14	8,425.41	68.017	CC
Dechant State H36-11D - Original Drilling - Original Drillin	13,147.14	6,900.01	5,537.12	5,454.41	66.944	CC
Dechant State H36-11D - Original Drilling - Original Drillin	13,200.00	6,900.01	5,537.37	5,454.25	66.620	ES
Dechant State H36-11D - Original Drilling - Original Drillin	14,800.00	6,900.01	5,778.55	5,685.40	62.039	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 36						
Dechant State H36-18D - Dechant State H36-18D Gyros	11,095.58	7,054.98	6,109.94	6,039.09	86.234	CC
Dechant State H36-18D - Dechant State H36-18D Gyros	11,200.00	7,059.05	6,110.83	6,038.76	84.787	ES
Dechant State H36-18D - Dechant State H36-18D Gyros	14,300.00	14,300.00	6,897.75	6,773.70	55.607	SF
Dechant State H36-18D - Dechant State H36-18D OH - A	11,095.55	7,067.98	6,109.98	6,039.13	86.234	CC
Dechant State H36-18D - Dechant State H36-18D OH - A	11,200.00	7,072.05	6,110.87	6,038.80	84.787	ES
Dechant State H36-18D - Dechant State H36-18D OH - A	14,300.00	14,300.00	6,897.80	6,773.79	55.622	SF
Dechant State H36-19 - Original Drilling - Original Drilling	10,745.09	7,218.03	4,719.87	4,653.40	71.000	CC
Dechant State H36-19 - Original Drilling - Original Drilling	10,800.00	7,218.62	4,720.19	4,653.34	70.601	ES
Dechant State H36-19 - Original Drilling - Original Drilling	12,300.00	7,235.91	4,969.37	4,893.50	65.502	SF
Dechant State H36-20D - Dechant State H36-20D Gyros	12,534.51	7,400.00	4,907.25	4,823.92	58.891	CC, ES
Dechant State H36-20D - Dechant State H36-20D Gyros	13,600.00	7,400.00	5,021.59	4,934.13	57.413	SF
Dechant State H36-20D - Dechant State H36-20D OH - A	12,534.52	7,413.00	4,907.25	4,823.93	58.891	CC, ES
Dechant State H36-20D - Dechant State H36-20D OH - A	13,600.00	7,413.00	5,021.59	4,934.13	57.413	SF
Dechant State H36-21D - Dechant State H36-21D Gyros	12,525.53	7,015.62	6,123.13	6,038.76	72.575	CC, ES
Dechant State H36-21D - Dechant State H36-21D Gyros	14,200.00	7,005.12	6,347.95	6,255.64	68.772	SF
Dechant State H36-21D - Dechant State H36-21D OH - A	12,525.55	7,028.62	6,123.10	6,038.73	72.575	CC, ES
Dechant State H36-21D - Dechant State H36-21D OH - A	14,200.00	7,018.12	6,347.92	6,255.61	68.772	SF
Dechant State H36-24 - Original Drilling - Original Drilling	13,723.98	7,169.49	6,176.73	6,087.66	69.345	CC
Dechant State H36-24 - Original Drilling - Original Drilling	13,800.00	7,168.59	6,177.20	6,087.52	68.883	ES
Dechant State H36-24 - Original Drilling - Original Drilling	14,908.06	7,156.13	6,289.19	6,191.41	64.324	SF
Dechant State H36-31D - Dechant State H36-31D OH - A	11,094.35	7,077.72	3,714.86	3,646.33	54.206	CC
Dechant State H36-31D - Dechant State H36-31D OH - A	11,100.00	7,077.77	3,714.87	3,646.30	54.179	ES
Dechant State H36-31D - Dechant State H36-31D OH - A	12,100.00	7,086.18	3,848.57	3,774.43	51.909	SF
Dechant State H36-32D - Dechant State H36-32D Gyros	12,337.99	6,950.00	3,689.51	3,606.68	44.541	CC
Dechant State H36-32D - Dechant State H36-32D Gyros	12,400.00	6,950.00	3,690.04	3,606.62	44.238	ES
Dechant State H36-32D - Dechant State H36-32D Gyros	13,300.00	6,950.00	3,812.87	3,722.75	42.307	SF
Dechant State H36-32D - Dechant State H36-32D OH - A	12,339.69	7,066.26	3,687.46	3,604.50	44.448	CC
Dechant State H36-32D - Dechant State H36-32D OH - A	12,400.00	7,067.04	3,687.96	3,604.43	44.154	ES
Dechant State H36-32D - Dechant State H36-32D OH - A	13,300.00	7,078.74	3,810.42	3,720.19	42.227	SF
Dechant State H36-33 - Dechant State H36-33D Gyros -	13,554.92	7,362.12	3,721.73	3,634.40	42.620	CC
Dechant State H36-33 - Dechant State H36-33D Gyros -	13,600.00	7,362.54	3,722.00	3,634.20	42.393	ES
Dechant State H36-33 - Dechant State H36-33D Gyros -	14,908.06	7,379.39	3,960.06	3,856.86	38.370	SF
Dechant State H36-33 - Dechant State H36-33D OH - As	13,554.94	7,375.12	3,721.74	3,634.41	42.620	CC
Dechant State H36-33 - Dechant State H36-33D OH - As	13,600.00	7,375.54	3,722.01	3,634.21	42.393	ES
Dechant State H36-33 - Dechant State H36-33D OH - As	14,908.06	7,392.39	3,960.07	3,856.86	38.370	SF
HSR Dechant State 01-36 - Wellbore #1 - As Drilled	10,249.29	6,864.38	8,394.98	8,332.78	134.960	CC
HSR Dechant State 01-36 - Wellbore #1 - As Drilled	10,300.00	6,864.67	8,395.14	8,332.60	134.249	ES
HSR Dechant State 01-36 - Wellbore #1 - As Drilled	14,700.00	6,890.86	9,501.78	9,413.47	107.595	SF
HSR Dechant State 02-36 - Original Drilling - Original Dri	10,210.88	6,835.78	6,678.21	6,616.40	108.047	CC, ES
HSR Dechant State 02-36 - Original Drilling - Original Dri	13,300.00	6,914.38	7,357.59	7,277.58	91.962	SF
HSR Dechant/State 07-36 (PA) - Original Drilling - Origina	11,409.07	6,949.00	7,256.87	7,071.78	39.206	CC
HSR Dechant/State 07-36 (PA) - Original Drilling - Origina	11,500.00	6,949.00	7,257.44	7,071.70	39.072	ES
HSR Dechant/State 07-36 (PA) - Original Drilling - Origina	13,100.00	6,949.00	7,451.27	7,254.82	37.929	SF
Spike State GWS H36-03 - Original Drilling - Original Dril	10,353.20	10,353.20	5,758.08	5,683.02	76.715	CC, ES, SF
Spike State GWS H36-04 - Original Drilling - Original Dril	10,180.28	7,047.25	4,257.38	4,186.34	59.932	CC
Spike State GWS H36-04 - Original Drilling - Original Dril	10,200.00	7,047.10	4,257.43	4,186.26	59.826	ES
Spike State GWS H36-04 - Original Drilling - Original Dril	11,400.00	7,038.13	4,428.65	4,350.46	56.642	SF
Spike State GWS H36-13 - Original Drilling - Original Dril	14,507.37	6,600.01	4,105.95	4,013.94	44.626	CC, ES
Spike State GWS H36-13 - Original Drilling - Original Dril	14,908.06	6,600.01	4,125.45	4,030.53	43.461	SF
Spike State GWS H36-14 - Original Drilling - Original Dril	12,900.00	12,900.00	6,003.28	5,903.34	60.069	SF
Spike State GWS H36-14 - Original Drilling - Original Dril	14,509.47	6,870.57	5,783.98	5,690.97	62.185	CC, ES
Spike State H36-02J - Original Drilling - Original Drilling -	11,410.71	6,901.59	5,195.76	5,094.39	51.257	CC, ES
Spike State H36-02J - Original Drilling - Original Drilling -	12,900.00	6,927.41	5,404.93	5,293.35	48.442	SF

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

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	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						
H Section 36						
Spike State H36-05 - Original Drilling - Original Drilling - A	11,580.84	7,118.08	4,186.26	4,114.32	58.197	CC
Spike State H36-05 - Original Drilling - Original Drilling - A	11,600.00	7,118.01	4,186.30	4,114.23	58.085	ES
Spike State H36-05 - Original Drilling - Original Drilling - A	12,700.00	7,114.16	4,333.27	4,254.38	54.929	SF
Spike State H36-11J - Original Drilling - Original Drilling -	13,746.60	6,926.21	4,942.38	4,855.07	56.605	CC
Spike State H36-11J - Original Drilling - Original Drilling -	13,800.00	6,925.15	4,942.67	4,854.94	56.342	ES
Spike State H36-11J - Original Drilling - Original Drilling -	14,908.06	6,901.97	5,076.97	4,982.16	53.550	SF
Spike State H36-12 - Original Drilling - Original Drilling - A	12,849.10	6,971.83	4,067.91	3,987.20	50.404	CC
Spike State H36-12 - Original Drilling - Original Drilling - A	12,900.00	6,971.29	4,068.23	3,987.13	50.166	ES
Spike State H36-12 - Original Drilling - Original Drilling - A	13,800.00	6,960.92	4,177.56	4,090.82	48.164	SF
X Section 01						
Dechant USX X1-6 - Wellbore #1 - As Drilled	14,908.06	6,758.12	5,590.92	5,498.45	60.462	CC, ES, SF
Dechant USX X1-7 - Wellbore #1 - As Drilled	14,908.06	6,812.45	6,832.21	6,740.61	74.588	CC, ES, SF
Dechant X01-02 - Wellbore #1 - As Drilled	14,908.06	7,138.50	6,797.24	6,700.81	70.489	CC, ES, SF
Dechant X01-03 - Wellbore #1 - Wellbore #1	14,908.06	6,811.14	5,651.45	5,556.46	59.498	CC, ES, SF
Dechant X01-04 - Wellbore #1 - As Drilled	14,908.06	6,981.84	4,321.32	4,225.86	45.268	CC, ES, SF
Dechant X01-06 - Wellbore #1 - As Drilled	14,908.06	6,966.55	6,188.22	6,096.40	67.396	CC, ES, SF
Dechant X12-01 - Wellbore #1 - As Drilled	14,908.06	6,700.00	4,534.94	4,446.15	51.071	CC, ES, SF
X Section 02						
Greenleaf 1C-2HZ - Original Hole - As-Drilled	14,908.06	12,178.00	3,195.36	3,041.45	20.761	CC, ES, SF
Greenleaf 1N-2HZ - Original Hole - As-Drilled	14,908.06	11,854.00	2,614.65	2,462.70	17.207	CC, ES, SF
Greenleaf 26N-2HZ - Original Hole - As-Drilled	14,908.06	11,967.00	3,430.81	3,276.64	22.255	CC, ES, SF
Greenleaf 27N-2HZ - Original Hole - As-Drilled	14,908.06	11,754.00	1,865.95	1,719.55	12.746	CC, ES, SF
Greenleaf 28C-2HZ - Original Hole - Original Hole	14,908.06	12,005.00	1,186.87	1,057.99	9.210	CC, ES, SF
Greenleaf 29C-2HZ - Original Hole - Original Hole	14,908.06	12,733.00	593.06	528.12	9.133	CC, ES, SF
Greenleaf 29N-2HZ - Original Hole - Original Hole	14,908.06	12,533.00	693.16	590.15	6.730	CC, ES, SF
Greenleaf 2N-2HZ - Original Hole - Original Hole	14,908.06	12,018.00	1,308.28	1,172.70	9.649	CC, ES, SF
Greenleaf 30N-2HZ - Original Hole - Original Hole	14,908.06	11,541.00	1,620.72	1,472.24	10.916	CC, ES, SF
Greenleaf 3N-2HZR - Original Hole - Original Hole	14,908.06	12,432.00	805.73	681.70	6.496	CC, ES, SF
Greenleaf 4N-2HZ - Original Hole - Original Hole	14,908.06	12,764.00	907.02	775.01	6.871	CC, ES, SF
Harkis 11-02 - Original Drilling - Original Drilling - As Drille	14,908.06	6,961.44	1,242.10	1,151.89	13.769	CC, ES, SF
Harkis 31-2 - Original Hole - As-Drilled	14,908.06	6,976.36	1,748.92	1,656.90	19.007	CC, ES, SF
Pioneer 1-2 - Original Hole - As-Drilled	14,908.06	7,276.30	3,110.83	2,977.68	23.362	CC, ES, SF
Pioneer 3-2 - Original Hole - Original Hole	14,908.06	7,267.53	706.98	626.36	8.769	CC, ES, SF
Pioneer 3-2 - Surface Gyros - Surface Gyros	14,908.06	7,250.53	706.97	623.76	8.496	CC, ES, SF
X Section 03						
Brown 3-3A - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	7,088.34	4,669.89	4,573.24	48.315	CC, ES, SF
Cannon 1-3 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,951.14	2,117.42	2,022.56	22.321	CC, ES, SF
Cannon 13C-3HZ - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,853.00	6,133.69	6,039.62	65.204	CC, ES, SF
Cannon 13N-3HZ - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,947.00	6,356.69	6,262.18	67.263	CC, ES, SF
Cannon 14N-E3HZ - Wellbore #1 - Wellbore #1 - As Drille	14,908.06	6,012.79	5,007.17	4,915.59	54.676	CC, ES, SF
Cannon 14N-W3HZ - Wellbore #1 - Wellbore #1 - As Drill	14,908.06	6,647.20	5,685.55	5,592.91	61.377	CC, ES, SF
Cannon 15N-W3HZ - Wellbore #1 - Wellbore #1 - As Drill	14,908.06	7,232.00	3,338.78	3,243.84	35.167	CC, ES, SF
Cannon 16N-E3HZ - Wellbore #1 - Wellbore #1 - As Drille	14,908.06	6,795.52	2,284.12	2,191.51	24.665	CC, ES, SF
Cannon 26-3 - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	7,395.37	1,677.12	1,568.07	15.379	CC, ES, SF
Cannon 36N-E3HZ - Wellbore #1 - Wellbore #1 - As Drille	14,400.00	14,400.00	4,035.68	3,926.90	37.099	SF
Cannon 36N-E3HZ - Wellbore #1 - Wellbore #1 - As Drille	14,908.06	6,808.00	3,981.34	3,888.14	42.719	CC, ES
Cannon 36N-W3HZX - Original Hole - Original Hole	14,908.06	6,252.00	4,514.42	4,422.82	49.281	CC, ES, SF
Cannon 36N-W3HZX - Sidetrack 01 - Sidetrack 01	14,908.06	6,252.00	4,514.42	4,422.82	49.281	CC, ES, SF
Cannon 37C-3HZ - Wellbore #1 - Wellbore #1 - As Drilled	14,908.06	6,875.00	1,903.79	1,810.68	20.448	CC, ES, SF
Cannon 37N-E3HZ - Wellbore #1 - Wellbore #1 - As Drille	14,908.06	6,722.00	2,628.38	2,534.79	28.085	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

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Hurley H35-768
Project:	Mustang	TVD Reference:	WELL @ 4852.00ft (Original Well Elev)
Reference Site:	H Section 26	MD Reference:	WELL @ 4852.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	Grid
Reference Well:	Hurley H35-768	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDMP
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum