

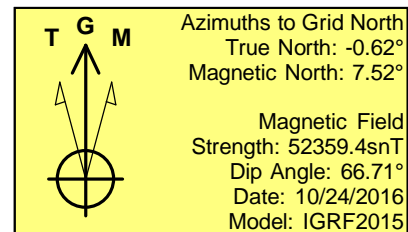
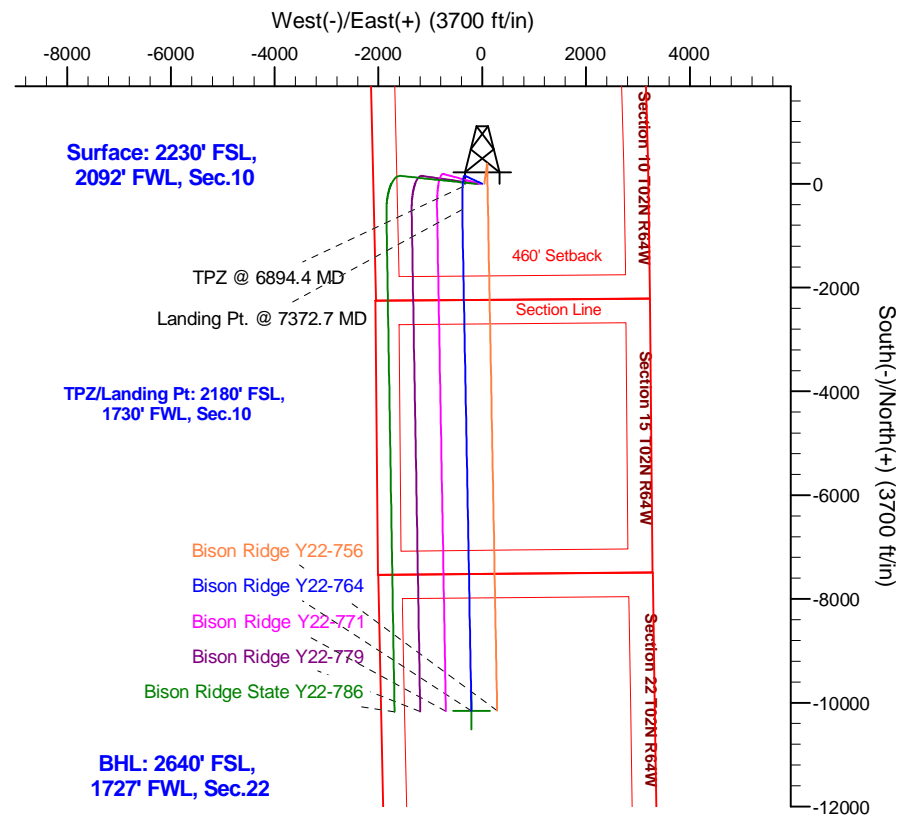
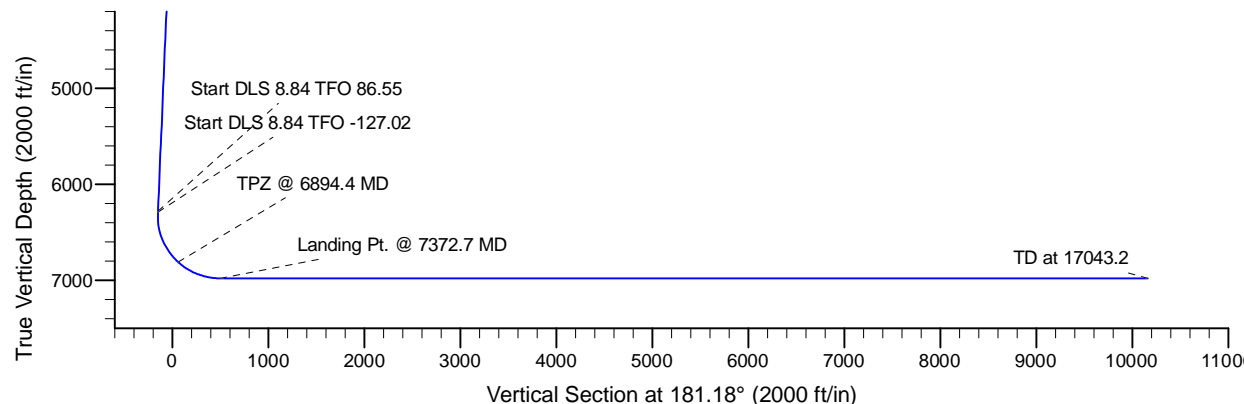
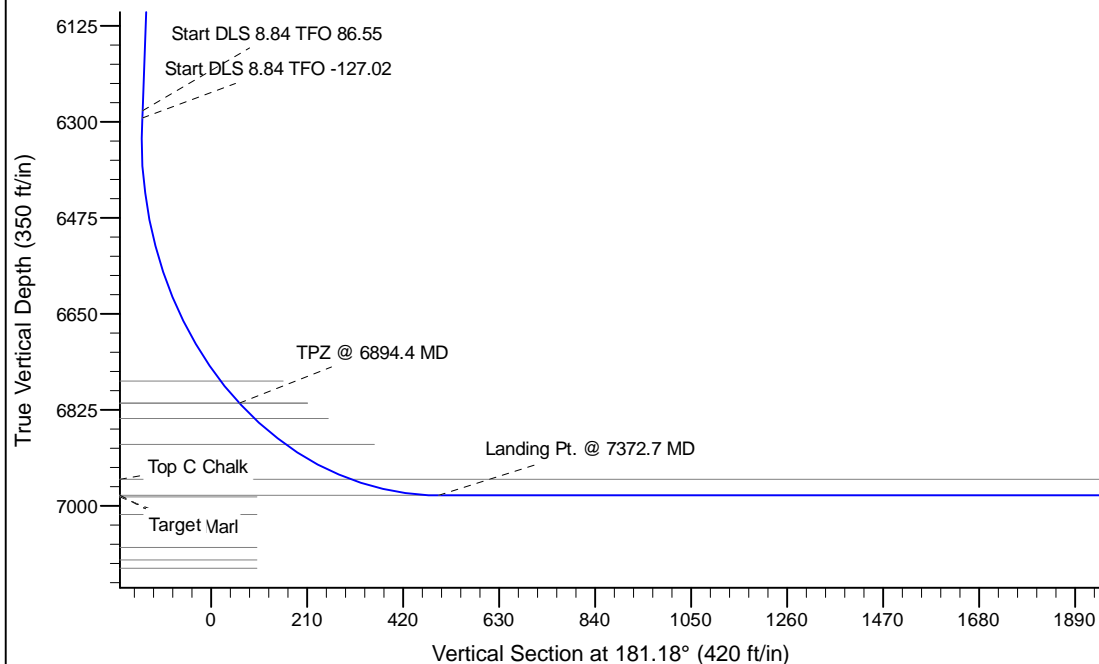
Project: Mustang
 Site: Y Section 10-T2N-R64W Weld County, CO
 Well: Bison Ridge Y22-764
 Wellbore: Original Drilling
 Design: APD - Rev 0

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	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2600.0	0.00	0.00	2600.0	0.0	0.0	0.00	0.00	0.0	
3	2900.0	6.00	295.00	2899.5	6.6	-14.2	2.00	295.00	-6.3	
4	6299.2	6.00	295.00	6280.0	156.8	-336.2	0.00	0.00	-149.9	
5	6312.7	6.19	306.13	6293.4	157.5	-337.5	8.84	86.55	-150.6	
6	7372.7	90.00	178.95	6981.0	-490.0	-385.0	8.84	-127.02	497.8	
7	17043.2	90.00	178.96	6981.0	-10159.0	-208.8	0.00	90.00	10161.1	Buffalo Ridge Y22-764 BHL 2640'FSL, 2221'FWL



WELL DETAILS: Bison Ridge Y22-764

Original Elevation: 4931.0	Latitude	Longitude
0.00.0	1299608.8265773	3268460.8312869

Plan: APD - Rev 0 (Bison Ridge Y22-764/Original Drilling)

Created By: Shailey Jewell Date: 15:50, April 26 2017

OK to submit with 2A as per Noble Drilling
4/26/2017 3:54

Northern Region - DJ Basin

Mustang

Y Section 10

Bison Ridge Y22-764

Original Drilling

APD - Rev 0

Anticollision Summary Report

26 April, 2017

Noble Energy, Inc.
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Bison Ridge Y22-764
Project:	Mustang	TVD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Reference Site:	Y Section 10	MD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Site Error:	0.0 ft	North Reference:	Grid
Reference Well:	Bison Ridge Y22-764	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	EDMP
Reference Design:	APD - Rev 0	Offset TVD Reference:	Offset Datum

Reference	APD - Rev 0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,933.6 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	4/26/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	17,043.2	APD - Rev 0 (Original Drilling)	2_MWD+IFR1+MS	A008Mb: IFR dec & multi-station analysis

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						
Y Section 10						
Bison Ridge State Y22-786 - Original Drilling - APD - Rev	2,000.0	1,999.0	111.8	97.9	8.062	CC, ES
Bison Ridge State Y22-786 - Original Drilling - APD - Rev	2,200.0	2,191.3	118.4	103.2	7.777	SF
Bison Ridge Y22-711 - Original Drilling - APD - Rev 0	2,000.0	1,992.0	1,263.5	1,256.5	182.147	CC, ES
Bison Ridge Y22-711 - Original Drilling - APD - Rev 0	3,200.0	2,798.6	1,471.5	1,460.6	136.178	SF
Bison Ridge Y22-719 - Original Drilling - Prelim - Rev 1	2,200.0	2,192.0	1,224.3	1,216.7	159.971	CC, ES
Bison Ridge Y22-719 - Original Drilling - Prelim - Rev 1	4,600.0	4,066.5	1,916.5	1,901.2	124.766	SF
Bison Ridge Y22-726 - Original Drilling - Prelim - Rev 1	2,400.0	2,393.0	1,188.0	1,179.6	141.928	CC, ES
Bison Ridge Y22-726 - Original Drilling - Prelim - Rev 1	5,300.0	4,945.7	1,912.6	1,894.4	105.141	SF
Bison Ridge Y22-734 - Original Drilling - Prelim - Rev 1	2,600.0	2,593.0	1,151.7	1,142.6	126.732	CC, ES
Bison Ridge Y22-734 - Original Drilling - Prelim - Rev 1	6,600.0	6,337.5	1,912.8	1,889.9	83.512	SF
Bison Ridge Y22-741 - Original Drilling - Prelim - Rev 1	2,600.0	2,593.0	1,112.5	1,103.4	122.426	CC, ES
Bison Ridge Y22-741 - Original Drilling - Prelim - Rev 1	17,043.2	16,764.8	1,479.5	1,392.3	16.973	SF
Bison Ridge Y22-749 - Original Drilling - Prelim - Rev 1	5,422.7	5,517.2	935.5	916.4	49.062	CC
Bison Ridge Y22-749 - Original Drilling - Prelim - Rev 1	17,043.2	17,013.5	993.5	906.7	11.442	ES, SF
Bison Ridge Y22-756 - Original Drilling - Prelim - Rev 1	2,200.0	2,200.0	39.1	31.5	5.113	CC
Bison Ridge Y22-756 - Original Drilling - Prelim - Rev 1	2,300.0	2,299.8	39.4	31.4	4.922	ES
Bison Ridge Y22-756 - Original Drilling - Prelim - Rev 1	2,400.0	2,399.3	40.8	32.4	4.871	SF
Bison Ridge Y22-771 - Original Drilling - APD - Rev 0	2,400.0	2,400.0	36.3	19.6	2.171	CC, ES, SF
Bison Ridge Y22-779 - Original Drilling - APD - Rev 0	2,200.0	2,199.0	75.5	60.2	4.932	CC, ES
Bison Ridge Y22-779 - Original Drilling - APD - Rev 0	2,300.0	2,296.5	77.1	61.1	4.821	SF
Oscar Y10-72-1HC - Original Drilling - APD - Rev 1						Out of range
Oscar Y10-72-1HC - Original Drilling - Original Drilling - A						Out of range
Oscar Y10-72-1HN - Original Drilling - APD - Rev 0						Out of range
Oscar Y10-72-1HN - Original Drilling - Original Drilling - A						Out of range
Oscar Y10-72HN - Original Drilling - APD - Rev 1						Out of range
Oscar Y10-72HN - Original Drilling - Original Drilling - As						Out of range
Oscar Y10-73-1HC - Original Drilling - APD - Rev 1						Out of range
Oscar Y10-73-1HC - Original Drilling - Original Drilling - A						Out of range
Oscar Y10-73-1HN - Original Drilling - APD - Rev 1						Out of range
Oscar Y10-73-1HN - Original Drilling - Original Drilling - A						Out of range
Oscar Y10-73HN - Original Drilling - APD - Rev 0						Out of range
Oscar Y10-73HN - Original Drilling - Original Drilling - As						Out of range
Oscar Y10-74-1HC - Original Drilling - APD - Rev 1	1,500.0	1,477.0	1,194.1	1,189.0	232.128	CC, ES
Oscar Y10-74-1HC - Original Drilling - APD - Rev 1	6,700.0	6,571.2	1,738.5	1,715.1	74.229	SF
Oscar Y10-74-1HC - Original Drilling - Original Drilling- A	1,509.4	1,494.5	1,186.3	1,177.2	130.055	CC
Oscar Y10-74-1HC - Original Drilling - Original Drilling- A	1,600.0	1,578.0	1,186.5	1,177.0	124.600	ES
Oscar Y10-74-1HC - Original Drilling - Original Drilling- A	6,700.0	6,622.2	1,684.5	1,641.6	39.278	SF

CC - Min centre to center distance or covergent 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 Bison Ridge Y22-764
Project:	Mustang	TVD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Reference Site:	Y Section 10	MD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Site Error:	0.0 ft	North Reference:	Grid
Reference Well:	Bison Ridge Y22-764	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	EDMP
Reference Design:	APD - Rev 0	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
Y Section 10						
Oscar Y10-74-1HC - Original Drilling - Target Change	1,509.4	1,494.5	1,186.3	1,177.2	130.055	CC
Oscar Y10-74-1HC - Original Drilling - Target Change	1,600.0	1,578.0	1,186.5	1,177.0	124.600	ES
Oscar Y10-74-1HC - Original Drilling - Target Change	6,700.0	6,621.9	1,682.5	1,639.6	39.231	SF
Oscar Y10-74-1HN - Original Drilling - APD - Rev 0	1,000.0	974.0	1,269.1	1,265.7	378.611	CC, ES
Oscar Y10-74-1HN - Original Drilling - APD - Rev 0	6,500.0	6,391.0	1,923.2	1,900.4	84.249	SF
Oscar Y10-74-1HN - Original Drilling - Baxter	1,098.9	1,083.9	1,266.5	1,262.8	341.681	CC
Oscar Y10-74-1HN - Original Drilling - Baxter	1,200.0	1,179.5	1,266.7	1,262.6	311.315	ES
Oscar Y10-74-1HN - Original Drilling - Baxter	6,500.0	6,368.3	1,918.5	1,895.7	84.121	SF
Oscar Y10-74-1HN - Original Drilling - Original Drilling - A	1,099.0	1,084.0	1,266.5	1,259.5	180.951	CC
Oscar Y10-74-1HN - Original Drilling - Original Drilling - A	1,200.0	1,179.5	1,266.7	1,259.2	167.910	ES
Oscar Y10-74-1HN - Original Drilling - Original Drilling - A	6,500.0	6,376.0	1,918.5	1,876.9	46.047	SF
Oscar Y10-74HN - Original Drilling - APD - Rev 1	1,800.0	1,778.0	1,194.1	1,187.9	191.992	CC
Oscar Y10-74HN - Original Drilling - APD - Rev 1	1,900.0	1,868.0	1,194.5	1,187.9	181.584	ES
Oscar Y10-74HN - Original Drilling - APD - Rev 1	6,600.0	6,477.0	1,603.6	1,580.5	69.346	SF
Oscar Y10-74HN - Original Drilling - Original Drilling - As	914.6	900.6	1,191.1	1,185.3	205.146	CC
Oscar Y10-74HN - Original Drilling - Original Drilling - As	1,800.0	1,773.9	1,192.0	1,181.5	113.803	ES
Oscar Y10-74HN - Original Drilling - Original Drilling - As	6,400.0	6,296.8	1,567.5	1,526.6	38.327	SF
Oscar Y10-75-1HC - Original Drilling - APD - Rev 1	3,564.1	3,648.4	864.8	852.4	69.492	CC, ES
Oscar Y10-75-1HC - Original Drilling - APD - Rev 1	6,400.0	6,355.1	1,087.8	1,065.2	48.317	SF
Oscar Y10-75-1HC - Original Drilling - Original Drilling - A	4,907.5	4,991.6	978.4	947.0	31.135	CC
Oscar Y10-75-1HC - Original Drilling - Original Drilling - A	5,000.0	5,072.3	979.0	947.0	30.551	ES
Oscar Y10-75-1HC - Original Drilling - Original Drilling - A	6,400.0	6,350.1	1,082.7	1,041.5	26.276	SF
Oscar Y10-75-1HN - Original Drilling - APD - Rev 1	3,201.2	3,286.0	1,031.1	1,019.9	92.320	CC, ES
Oscar Y10-75-1HN - Original Drilling - APD - Rev 1	6,400.0	6,329.0	1,264.1	1,241.6	56.170	SF
Oscar Y10-75-1HN - Original Drilling - Original Drilling - A	2,815.5	2,874.1	1,102.8	1,085.8	64.988	CC, ES
Oscar Y10-75-1HN - Original Drilling - Original Drilling - A	6,500.0	6,453.4	1,292.7	1,250.5	30.629	SF
Oscar Y10-75HN - Original Drilling - APD - Rev 0	3,484.8	3,579.6	691.9	679.7	56.854	CC
Oscar Y10-75HN - Original Drilling - APD - Rev 0	3,500.0	3,592.4	691.9	679.7	56.597	ES
Oscar Y10-75HN - Original Drilling - APD - Rev 0	6,400.0	6,404.8	913.0	890.4	40.503	SF
Oscar Y10-75HN - Original Drilling - Original Drilling - As	5,292.1	5,369.8	845.5	811.2	24.642	CC
Oscar Y10-75HN - Original Drilling - Original Drilling - As	5,400.0	5,469.7	846.0	810.9	24.136	ES
Oscar Y10-75HN - Original Drilling - Original Drilling - As	6,400.0	6,371.0	902.3	860.7	21.722	SF
Oscar Y10-76-1HC - Original Drilling - APD - Rev 0	1,500.0	1,480.0	153.1	147.9	29.756	CC, ES
Oscar Y10-76-1HC - Original Drilling - APD - Rev 0	6,400.0	6,380.2	564.1	541.6	24.986	SF
Oscar Y10-76-1HN - Original Drilling - APD - Rev 2	1,500.0	1,483.0	149.4	144.2	29.034	CC, ES
Oscar Y10-76-1HN - Original Drilling - APD - Rev 2	1,900.0	1,866.8	168.3	161.8	25.691	SF
Oscar Y10-76-1HN - Original Drilling - Original Drilling - A	100.0	82.8	149.4	149.1	557.364	CC
Oscar Y10-76-1HN - Original Drilling - Original Drilling - A	800.0	782.0	153.3	148.6	32.650	ES
Oscar Y10-76-1HN - Original Drilling - Original Drilling - A	6,100.0	6,078.3	579.8	540.1	14.604	SF
Oscar Y10-76HN - Original Drilling - APD - Rev 2	1,800.0	1,784.0	154.4	148.2	24.822	CC, ES
Oscar Y10-76HN - Original Drilling - APD - Rev 2	6,000.0	5,981.1	247.9	226.7	11.696	SF
Oscar Y10-76HN - Original Drilling - Original Drilling - As	100.0	83.7	154.5	154.2	572.798	CC
Oscar Y10-76HN - Original Drilling - Original Drilling - As	1,400.0	1,383.4	156.1	147.7	18.672	ES
Oscar Y10-76HN - Original Drilling - Original Drilling - As	5,500.0	5,475.7	215.4	180.6	6.198	SF
Oscar Y10-77-1HC - Original Drilling - APD - Rev 2	1,200.0	1,184.0	168.6	164.5	41.437	CC
Oscar Y10-77-1HC - Original Drilling - APD - Rev 2	6,400.0	6,407.6	184.3	161.6	8.125	ES, SF
Oscar Y10-77-1HC - Original Drilling - Original Drilling - A	6,364.4	6,343.0	146.0	104.5	3.521	CC
Oscar Y10-77-1HC - Original Drilling - Original Drilling - A	6,400.0	6,374.8	146.2	104.5	3.503	ES, SF
Oscar Y10-77-1HN - Original Drilling - APD 0 Rev 0	1,500.0	1,481.0	154.4	149.3	30.013	CC, ES
Oscar Y10-77-1HN - Original Drilling - APD 0 Rev 0	6,300.0	6,285.2	278.8	256.4	12.476	SF
Oscar Y10-77HN - Original Drilling - APD - Rev 2	1,000.0	985.0	188.2	184.9	56.161	CC, ES
Oscar Y10-77HN - Original Drilling - APD - Rev 2	6,500.0	6,510.0	474.5	451.5	20.665	SF
Oscar Y10-77HN - Original Drilling - Original Drilling - As	1,193.0	1,178.0	185.6	178.2	25.052	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 Bison Ridge Y22-764
Project:	Mustang	TVD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Reference Site:	Y Section 10	MD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Site Error:	0.0 ft	North Reference:	Grid
Reference Well:	Bison Ridge Y22-764	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	EDMP
Reference Design:	APD - Rev 0	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						
Y Section 10						
Oscar Y10-77HN - Original Drilling - Original Drilling - As	1,200.0	1,184.8	185.6	178.1	24.929	ES
Oscar Y10-77HN - Original Drilling - Original Drilling - As	6,400.0	6,372.0	476.0	433.9	11.306	SF
Oscar Y10-78-1HC - Original Drilling - APD - Rev 2	6,506.9	6,497.4	785.5	762.6	34.211	CC, ES
Oscar Y10-78-1HC - Original Drilling - APD - Rev 2	6,600.0	6,562.0	789.1	765.9	33.923	SF
Oscar Y10-78-1HC - Original Drilling - Original Drilling - A	6,515.2	6,507.0	766.6	724.2	18.103	CC, ES
Oscar Y10-78-1HC - Original Drilling - Original Drilling - A	6,600.0	6,554.0	770.5	727.7	18.015	SF
Oscar Y10-78-1HN - Original Drilling - APD - Rev 2	6,372.0	6,345.7	811.4	788.9	36.021	CC
Oscar Y10-78-1HN - Original Drilling - APD - Rev 2	6,400.0	6,365.7	811.5	788.9	35.871	ES
Oscar Y10-78-1HN - Original Drilling - APD - Rev 2	6,500.0	6,430.1	818.8	795.9	35.719	SF
Oscar Y10-78-1HN - Original Drilling - Original Drilling - As	6,418.5	6,417.1	814.4	771.6	19.065	CC, ES
Oscar Y10-78-1HN - Original Drilling - Original Drilling - As	6,500.0	6,474.2	817.4	774.1	18.908	SF
Oscar Y10-78HN - Original Drilling - APD - Rev 2	6,495.5	6,449.6	1,105.8	1,082.9	48.233	CC
Oscar Y10-78HN - Original Drilling - APD - Rev 2	6,500.0	6,452.7	1,105.8	1,082.9	48.201	ES
Oscar Y10-78HN - Original Drilling - APD - Rev 2	6,700.0	6,560.4	1,122.2	1,098.7	47.723	SF
Oscar Y10-78HN - Original Drilling - Original Drilling - As	6,488.3	6,436.7	1,095.2	1,053.3	26.165	CC
Oscar Y10-78HN - Original Drilling - Original Drilling - As	6,500.0	6,443.6	1,095.2	1,053.3	26.127	ES
Oscar Y10-78HN - Original Drilling - Original Drilling - As	6,600.0	6,500.6	1,099.8	1,057.4	25.928	SF
Oscar Y10-79-1HC - Original Drilling - APD - Rev 2	6,580.7	6,553.9	1,435.2	1,412.0	61.905	CC, ES
Oscar Y10-79-1HC - Original Drilling - APD - Rev 2	6,800.0	6,660.4	1,451.7	1,427.9	60.976	SF
Oscar Y10-79-1HC - Original Drilling - Original Drilling - A	6,538.5	6,488.9	1,430.8	1,388.7	34.018	CC, ES
Oscar Y10-79-1HC - Original Drilling - Original Drilling - A	6,800.0	6,652.7	1,452.9	1,409.5	33.497	SF
Oscar Y10-79-1HN - Original Drilling - APD - Rev 2	6,444.6	6,397.6	1,457.5	1,434.8	64.036	CC, ES
Oscar Y10-79-1HN - Original Drilling - APD - Rev 2	6,700.0	6,524.5	1,480.7	1,457.2	63.020	SF
Oscar Y10-79-1HN - Original Drilling - Original Drilling - A	6,466.6	6,435.5	1,453.8	1,411.8	34.610	CC, ES
Oscar Y10-79-1HN - Original Drilling - Original Drilling - A	6,600.0	6,500.5	1,460.1	1,417.4	34.222	SF
Oscar Y10-79HN - Original Drilling - APD - Rev 2	1,000.0	1,012.0	1,553.4	1,550.0	463.423	CC, ES
Oscar Y10-79HN - Original Drilling - APD - Rev 2	6,800.0	6,643.7	1,711.5	1,687.7	71.937	SF
Oscar Y10-79HN - Original Drilling - Original Drilling - As	0.0	11.8	1,553.4			
Oscar Y10-79HN - Original Drilling - Original Drilling - As	500.0	501.6	1,555.1	1,552.4	596.039	ES
Oscar Y10-79HN - Original Drilling - Original Drilling - As	6,700.0	6,568.1	1,701.2	1,658.3	39.600	SF
Oscar Y10-79HN - Original Drilling - ST01 - ST01 - As Dr	0.0	11.8	1,553.4			
Oscar Y10-79HN - Original Drilling - ST01 - ST01 - As Dr	500.0	501.6	1,555.1	1,552.4	596.039	ES
Oscar Y10-79HN - Original Drilling - ST01 - ST01 - As Dr	6,700.0	6,568.1	1,701.2	1,658.3	39.600	SF
Oscar Y11-79HN - Original Drilling - APD - Rev 1						Out of range
Oscar Y11-79HN - Original Drilling - Original Drilling - As						Out of range
Oscar Y11-79HN - ST01 Original Drilling - ST01 Original						Out of range
Y Section 15						
Feather 31-15 - Original Drilling - Original Drilling - As Dr	9,523.1	6,986.6	1,746.8	1,689.8	30.641	CC, ES
Feather 31-15 - Original Drilling - Original Drilling - As Dr	9,700.0	6,987.7	1,755.7	1,698.0	30.404	SF
UPRR 62 Pan Am B1 - Original Drilling - Original Drilling	12,754.1	7,032.1	1,903.8	1,825.2	24.221	CC, ES
UPRR 62 Pan Am B1 - Original Drilling - Original Drilling	12,900.0	7,031.8	1,909.4	1,830.0	24.056	SF
Y Section 22						
Acco-Terra-Bodeker 40 - Original Drilling - Original Drilling	17,043.2	7,012.0	1,365.4	1,188.2	7.706	CC, ES, SF
Goetz #1 (PA) - Original Drilling - Original Drilling - As Dr						Out of range
Goetz #2 (PA) - Original Drilling - Original Drilling - As Dr	15,372.9	7,004.0	754.0	539.8	3.520	CC, ES
Goetz #2 (PA) - Original Drilling - Original Drilling - As Dr	15,400.0	7,004.0	754.5	540.0	3.518	SF
Goetz Y22-06 - Original Drilling - Original Drilling - As Dri	16,420.1	7,020.7	24.3	-114.5	0.175	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.

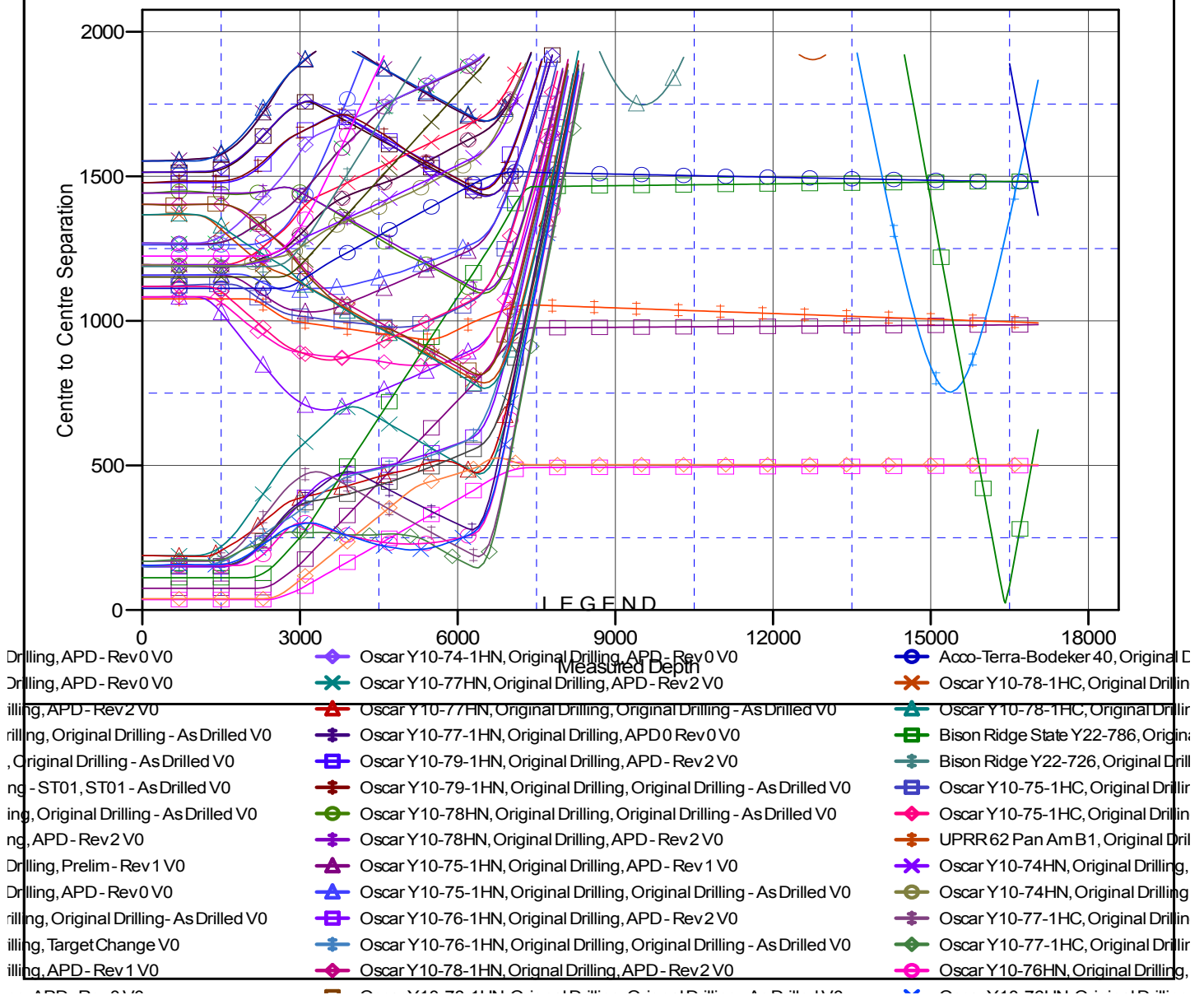
Anticollision Summary Report

Company:	Northern Region - DJ Basin	Local Co-ordinate Reference:	Well Bison Ridge Y22-764
Project:	Mustang	TVD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Reference Site:	Y Section 10	MD Reference:	WELL @ 4961.0ft (Original Well Elev.)
Site Error:	0.0 ft	North Reference:	Grid
Reference Well:	Bison Ridge Y22-764	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	EDMP
Reference Design:	APD - Rev 0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4961.0ft (Original Well Elev.)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Bison Ridge Y22-764
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.62°

Ladder Plot



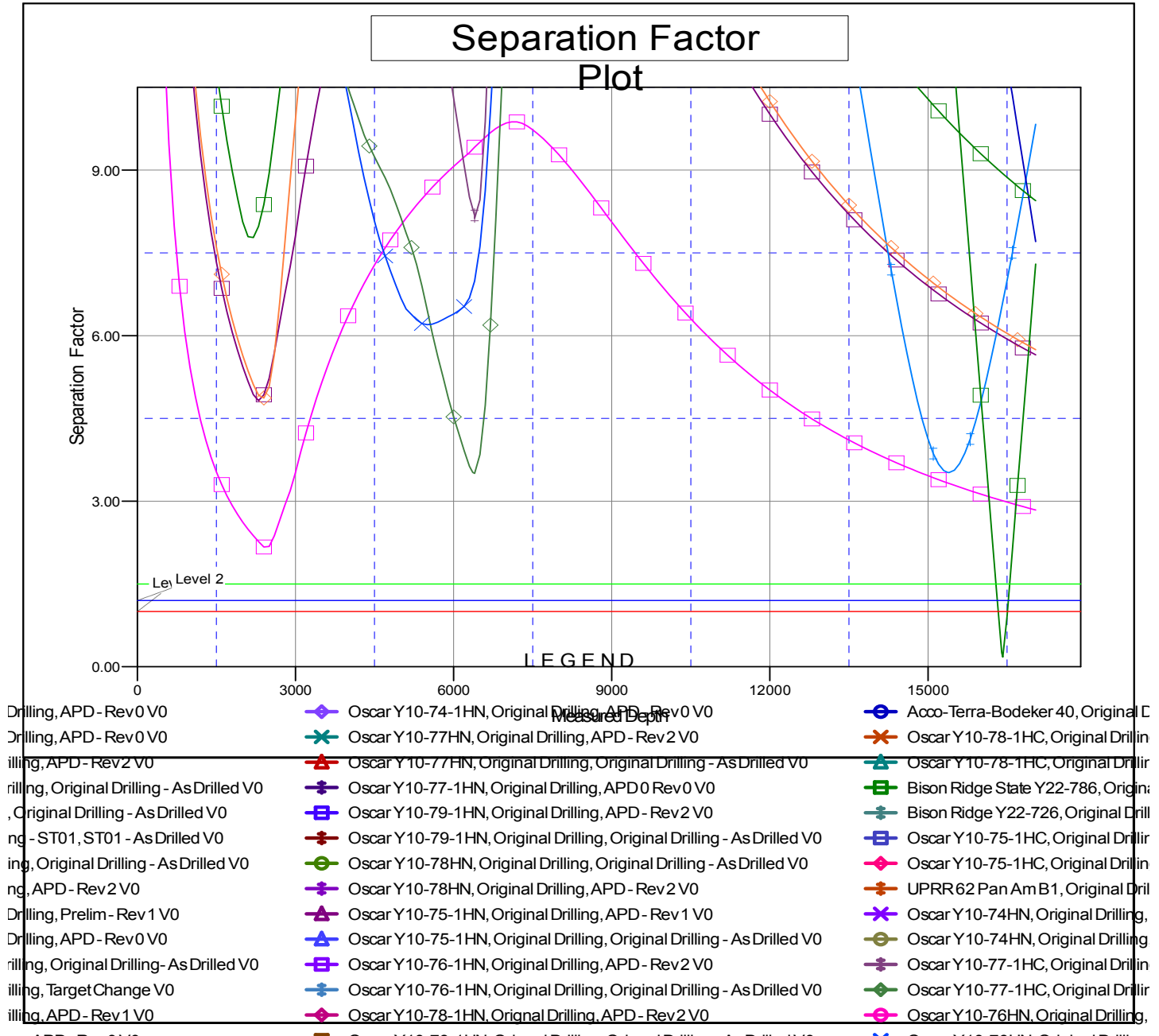
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Anticollision Summary Report

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