EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)
SW NE SEC. 5 T6N R67W 6th P.M.
MICKEY 6

ORIGINAL WELLBORE
PROPOSAL #2

Anticollision Report

07 October, 2016

Company:	EXTRACTION OIL & GAS	**Local Co-ordinate Reference:**	Well MICKEY 6
Project:	WELD COUNTY, COLORADO (NAD 83)	**TVD Reference:**	KB-EST @ 4896.0usft
Reference Site:	SW NE SEC. 5 T6N R67W 6th P.M.	**MD Reference:**	KB-EST @ 4896.0usft
Site Error:	0.0 usft	**North Reference:**	True
Reference Well:	MICKEY 6	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	ORIGINAL WELLBORE	**Database:**	EDM 5000.1 Single User Db
Reference Design:	PROPOSAL #2	**Offset TVD Reference:**	Offset Datum

Reference PROPOSAL #2

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 us	**Error Surface:**	Elliptical Conic
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 07/10/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,609.0	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
SW NE SEC. 5 T6N R67W 6th P.M.						
ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design #	15,934.4	6,930.0	901.9	518.2	2.351	CC, ES
ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design #	16,000.0	6,930.0	904.3	518.8	2.346	SF
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	13,020.2	6,858.0	876.7	575.1	2.907	CC, ES
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	13,100.0	6,858.0	880.3	576.5	2.897	SF
EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore	6,950.0	8,233.9	538.5	490.6	11.238	SF
EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore	7,093.8	8,279.5	503.9	463.8	12.563	CC, ES
EXIST VERT JBL 34-34 - Wellbore #1 - Design #1	17,609.0	6,937.0	1,920.3	1,489.7	4.459	CC, ES, SF
MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,401.0	74.8	64.3	7.106	CC, ES
MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	18,462.0	1,157.6	580.9	2.007	SF
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	2,000.0	2,000.0	60.1	51.4	6.883	CC, ES
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,567.0	834.2	265.2	1.466	Level 3, SF
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	1,900.0	1,900.0	75.1	66.8	9.071	CC, ES
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,346.8	969.8	386.3	1.662	SF
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	1,800.0	1,800.0	90.1	82.3	11.510	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,310.9	1,299.8	716.8	2.229	SF
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	1,700.0	1,700.0	105.2	97.8	14.246	CC, ES
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,500.0	1,473.3	894.9	2.547	SF
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,401.0	59.8	49.3	5.679	CC, ES
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	18,157.5	980.0	394.6	1.674	SF
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,401.0	44.8	34.3	4.253	CC, ES
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,943.7	650.3	65.1	1.111	Level 2, SF
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,400.0	29.8	19.2	2.828	CC
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	18,011.1	528.9	-13.8	0.975	Level 1, ES, SF
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,400.0	14.7	4.2	1.400	Level 3, CC
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,750.3	330.1	-254.8	0.564	Level 1, ES, SF
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	2,300.0	2,300.0	15.0	4.9	1.490	Level 3, CC
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,730.2	256.1	-135.1	0.655	Level 1, ES, SF
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	2,200.0	2,200.0	30.0	20.4	3.121	CC
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,488.7	319.9	-264.3	0.548	Level 1, ES, SF
MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	45.1	35.9	4.909	CC, ES
MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2	17,609.0	17,406.3	649.9	66.1	1.113	Level 2, SF