EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)
SW NE SEC. 5 T6N R67W 6th P.M.
MICKEY 9

ORIGINAL WELLBORE
PROPOSAL #2

Anticollision Report

07 October, 2016

Company:	EXTRACTION OIL & GAS	**Local Co-ordinate Reference:**	Well MICKEY 9
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 9	**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	17,412.0	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 #	15,731.7	6,930.0	251.9	-130.9	0.658	Level 1, CC, ES, SF
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	12,817.5	6,858.0	226.8	-73.9	0.754	Level 1, CC, ES, SF
EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore	6,750.0	7,685.1	583.4	549.3	17.132	SF
EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore	6,900.0	7,692.6	536.4	507.9	18.815	ES
EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore	6,916.6	7,693.1	535.9	508.0	19.242	CC
EXIST VERT JBL 34-34 - Wellbore #1 - Design #1	17,412.0	6,937.0	2,548.6	2,118.6	5.927	CC, ES, SF
MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,101.0	119.9	110.7	13.058	CC, ES
MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	18,462.0	1,801.3	1,219.9	3.098	SF
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	2,000.0	2,000.0	15.0	6.3	1.720	CC
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,572.7	256.1	-131.4	0.661	Level 1, ES, SF
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	1,900.0	1,900.0	30.0	21.8	3.629	CC
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,352.4	319.9	-263.1	0.549	Level 1, ES, SF
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	1,800.0	1,800.0	45.1	37.2	5.755	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,319.5	649.9	67.3	1.115	Level 2, SF
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	1,700.0	1,700.0	60.1	52.7	8.140	CC, ES
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,505.4	834.1	266.9	1.470	Level 3, SF
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,101.0	104.9	95.7	11.422	CC, ES
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	18,157.5	1,630.0	1,045.2	2.787	SF
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,101.0	89.9	80.7	9.786	CC, ES
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,943.7	1,300.3	715.7	2.224	SF
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	74.8	65.7	8.153	CC, ES
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	18,011.1	1,157.2	582.1	2.012	SF
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	59.8	50.6	6.515	CC, ES
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,750.3	980.0	395.8	1.677	SF
MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	45.1	35.9	4.909	CC, ES
MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,609.0	650.0	66.0	1.113	Level 2, SF
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	30.0	20.9	3.273	CC
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,731.7	529.3	-12.5	0.977	Level 1, ES, SF
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,100.0	15.0	5.8	1.636	CC
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	17,412.0	17,491.5	330.1	-253.5	0.566	Level 1, ES, SF