

# **EXTRACTION OIL & GAS**

**WELD COUNTY, COLORADO (NAD 83)**

**SW NE SEC. 5 T6N R67W 6th P.M.**

**MICKEY 1**

**ORIGINAL WELLBORE**

**PROPOSAL #2**

## **Anticollision Report**

**07 October, 2016**



## Anticollision Report



<b>Company:</b>	EXTRACTION OIL & GAS	<b>Local Co-ordinate Reference:</b>	Well MICKEY 1
<b>Project:</b>	WELD COUNTY, COLORADO (NAD 83)	<b>TVD Reference:</b>	KB-EST @ 4897.0usft
<b>Reference Site:</b>	SW NE SEC. 5 T6N R67W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4897.0usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	MICKEY 1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.0usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0 us	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b> 07/10/2016			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	18,462.0	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offet Well - Wellbore - Design						
SW NE SEC. 5 T6N R67W 6th P.M.						
ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design #	16,797.2	7,129.0	2,042.1	1,652.6	5.243	CC
ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design #	16,900.0	7,129.0	2,044.7	1,652.4	5.211	ES
ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design #	17,100.0	7,129.0	2,064.5	1,666.5	5.188	SF
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	13,883.0	7,057.0	2,017.0	1,709.3	6.555	CC
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	13,900.0	7,057.0	2,017.0	1,708.9	6.546	ES
ABDN VERT WINDER 1 - Wellbore #1 - Design #1	14,300.0	7,057.0	2,059.6	1,740.4	6.452	SF
EXIST HZ OCHSNER #50-441 - Wellbore #1 - Wellbore	7,800.0	9,314.3	364.8	292.9	5.075	ES, SF
EXIST HZ OCHSNER #50-441 - Wellbore #1 - Wellbore	7,833.6	9,333.9	362.9	293.0	5.191	CC
EXIST VERT JBL 34-34 - Wellbore #1 - Design #1	18,462.0	7,136.0	895.9	459.8	2.054	CC, ES, SF
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	2,000.0	1,999.0	134.9	126.2	15.458	CC, ES
MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,557.2	1,950.2	1,365.5	3.335	SF
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	1,900.0	1,899.0	149.9	141.7	18.113	CC, ES
MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,337.0	2,119.5	1,537.7	3.643	SF
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	1,800.0	1,799.0	165.0	157.1	21.071	CC, ES
MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,300.0	2,448.1	1,866.1	4.206	SF
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	1,700.0	1,699.0	180.0	172.6	24.390	CC, ES
MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,495.3	2,600.0	2,015.7	4.450	SF
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	2,800.0	2,800.0	15.0	2.7	1.218	Level 2, CC
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	7,400.0	7,348.6	36.4	-48.5	0.429	Level 1, SF
MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	18,155.9	256.3	-129.1	0.665	Level 1, ES
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	2,700.0	2,700.0	30.0	18.2	2.529	CC
MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,939.4	529.2	-14.4	0.973	Level 1, ES, SF
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	2,600.0	2,599.0	45.1	33.6	3.944	CC, ES
MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	18,005.5	650.3	64.1	1.109	Level 2, SF
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	2,500.0	2,499.0	60.1	49.1	5.475	CC, ES
MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,743.4	834.5	266.1	1.468	Level 3, SF
MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2	2,400.0	2,399.0	74.8	64.3	7.109	CC, ES
MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,599.2	1,157.5	581.1	2.008	SF
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	2,300.0	2,299.0	89.8	79.8	8.916	CC, ES
MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,720.3	1,300.2	714.8	2.221	SF
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	2,200.0	2,199.0	104.9	95.2	10.894	CC, ES
MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,478.9	1,473.7	894.2	2.543	SF
MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2	2,100.0	2,099.0	119.9	110.7	13.064	CC, ES
MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2	18,462.0	17,396.5	1,801.3	1,220.3	3.100	SF

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