# EXTRACTION OIL & GAS

**WELD COUNTY, COLORADO (NAD 83)**
**SW NE SEC. 5 T6N R67W 6th P.M.**
**MICKEY 12**

**ORIGINAL WELLBORE**
**PROPOSAL #2**

# Anticollision Report

**07 October, 2016**

| | | | |
|---|---|---|---|
| **Company:** | EXTRACTION OIL & GAS | **Local Co-ordinate Reference:** | Well MICKEY 12 |
| **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 12 | **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 | 17,327.9 | 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 # | 15,642.2 | 6,930.0 | 397.9 | 15.7 | 1.041 | Level 2, CC, ES, SF |
| ABDN VERT WINDER 1 - Wellbore #1 - Design #1 | 12,728.0 | 6,858.0 | 423.1 | 123.1 | 1.410 | Level 3, CC, ES, SF |
| EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore | 6,400.0 | 6,356.3 | 301.8 | 269.8 | 9.427 | ES, SF |
| EXIST HZ OCHSNER #5O-441 - Wellbore #1 - Wellbore | 6,405.6 | 6,363.4 | 301.8 | 269.8 | 9.430 | CC |
| EXIST VERT JBL 34-34 - Wellbore #1 - Design #1 | 17,327.9 | 6,937.0 | 3,185.6 | 2,756.1 | 7.416 | CC, ES, SF |
| MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,801.0 | 165.0 | 157.1 | 21.059 | CC, ES |
| MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 18,462.0 | 2,448.4 | 1,865.6 | 4.201 | SF |
| MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 30.0 | 22.2 | 3.837 | CC |
| MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,574.0 | 529.3 | -12.5 | 0.977 | Level 1, ES, SF |
| MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 15.0 | 7.2 | 1.918 | CC |
| MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,354.9 | 330.1 | -252.5 | 0.567 | Level 1, ES, SF |
| MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,700.0 | 1,700.0 | 15.0 | 7.6 | 2.035 | CC |
| MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,515.0 | 256.1 | -128.6 | 0.666 | Level 1, ES, SF |
| MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,801.0 | 149.9 | 142.1 | 19.142 | CC, ES |
| MICKEY 2 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 18,157.5 | 2,279.9 | 1,695.6 | 3.901 | SF |
| MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,801.0 | 134.9 | 127.1 | 17.224 | CC, ES |
| MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,943.7 | 1,950.2 | 1,366.0 | 3.338 | SF |
| MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 119.9 | 112.1 | 15.312 | CC, ES |
| MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 18,011.1 | 1,801.0 | 1,221.0 | 3.105 | SF |
| MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 104.9 | 97.0 | 13.392 | CC, ES |
| MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,750.3 | 1,630.0 | 1,046.2 | 2.792 | SF |
| MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 90.1 | 82.3 | 11.510 | CC, ES |
| MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,609.0 | 1,299.9 | 716.4 | 2.228 | SF |
| MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 75.1 | 67.3 | 9.592 | CC, ES |
| MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,731.7 | 1,157.4 | 583.0 | 2.015 | SF |
| MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 60.1 | 52.3 | 7.673 | CC, ES |
| MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,491.5 | 980.0 | 396.9 | 1.681 | SF |
| MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,800.0 | 45.1 | 37.2 | 5.755 | CC, ES |
| MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2 | 17,327.9 | 17,412.0 | 650.0 | 67.1 | 1.115 | Level 2, SF |