

EXTRACTION OIL & GAS

WELD COUNTY, COLORADO (NAD 83)

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

MICKEY 2

ORIGINAL WELLBORE

PROPOSAL #2

Anticollision Report

07 October, 2016



Anticollision Report



| | | | |
|---------------------------|--------------------------------|-------------------------------------|---------------------------|
| Company: | EXTRACTION OIL & GAS | Local Co-ordinate Reference: | Well MICKEY 2 |
| Project: | WELD COUNTY, COLORADO (NAD 83) | TVD Reference: | KB-EST @ 4897.0usft |
| Reference Site: | SW NE SEC. 5 T6N R67W 6th P.M. | MD Reference: | KB-EST @ 4897.0usft |
| Site Error: | 0.0 usft | North Reference: | True |
| Reference Well: | MICKEY 2 | 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 | 18,157.5 | 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 |
| Offset Well - Wellbore - Design | | | | | | |
| SW NE SEC. 5 T6N R67W 6th P.M. | | | | | | |
| ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design # | 16,491.1 | 6,929.0 | 1,881.9 | 1,497.1 | 4.891 | CC |
| ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design # | 16,500.0 | 6,929.0 | 1,881.9 | 1,496.9 | 4.887 | ES |
| ABDN VERT UPRR-SMITH 1-3 - Wellbore #1 - Design # | 16,700.0 | 6,929.0 | 1,893.4 | 1,502.8 | 4.847 | SF |
| ABDN VERT WINDER 1 - Wellbore #1 - Design #1 | 13,576.9 | 6,857.0 | 1,856.7 | 1,553.8 | 6.130 | CC |
| ABDN VERT WINDER 1 - Wellbore #1 - Design #1 | 13,600.0 | 6,857.0 | 1,856.9 | 1,553.3 | 6.117 | ES |
| ABDN VERT WINDER 1 - Wellbore #1 - Design #1 | 13,900.0 | 6,857.0 | 1,884.6 | 1,572.8 | 6.043 | SF |
| EXIST HZ OCHSNER #50-441 - Wellbore #1 - Wellbore | 7,500.0 | 9,174.1 | 533.9 | 467.0 | 7.977 | SF |
| EXIST HZ OCHSNER #50-441 - Wellbore #1 - Wellbore | 7,600.0 | 9,212.2 | 514.4 | 453.8 | 8.487 | ES |
| EXIST HZ OCHSNER #50-441 - Wellbore #1 - Wellbore | 7,614.2 | 9,216.0 | 514.1 | 454.6 | 8.642 | CC |
| EXIST VERT JBL 34-34 - Wellbore #1 - Design #1 | 18,157.5 | 6,936.0 | 1,025.1 | 593.6 | 2.376 | CC, ES, SF |
| MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,800.0 | 2,800.0 | 15.0 | 2.7 | 1.218 | Level 2, CC |
| MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2 | 7,350.0 | 7,392.3 | 35.6 | -40.4 | 0.468 | Level 1, SF |
| MICKEY 1 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 18,462.0 | 256.3 | -129.1 | 0.665 | Level 1, ES |
| MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,000.0 | 1,999.0 | 119.9 | 111.2 | 13.737 | CC, ES |
| MICKEY 10 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,558.7 | 1,801.1 | 1,219.6 | 3.097 | SF |
| MICKEY 11 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,900.0 | 1,899.0 | 134.9 | 126.6 | 16.298 | CC, ES |
| MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,338.5 | 1,949.8 | 1,365.7 | 3.338 | SF |
| MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,800.0 | 1,799.0 | 149.9 | 142.1 | 19.153 | CC, ES |
| MICKEY 12 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,300.0 | 2,279.8 | 1,696.1 | 3.906 | SF |
| MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2 | 1,700.0 | 1,699.0 | 165.0 | 157.6 | 22.355 | CC, ES |
| MICKEY 13 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,496.8 | 2,447.9 | 1,865.7 | 4.204 | SF |
| MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,700.0 | 2,700.0 | 15.0 | 3.1 | 1.265 | Level 3, CC |
| MICKEY 3 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,940.9 | 329.7 | -256.3 | 0.563 | Level 1, ES, SF |
| MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,600.0 | 2,599.0 | 30.0 | 18.6 | 2.629 | CC |
| MICKEY 4 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 18,007.0 | 529.2 | -20.2 | 0.963 | Level 1, ES, SF |
| MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,500.0 | 2,499.0 | 45.1 | 34.1 | 4.106 | CC, ES |
| MICKEY 5 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,744.9 | 649.9 | 64.3 | 1.110 | Level 2, SF |
| MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,400.0 | 2,399.0 | 59.8 | 49.3 | 5.682 | CC, ES |
| MICKEY 6 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,600.7 | 980.0 | 394.8 | 1.675 | SF |
| MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,300.0 | 2,299.0 | 74.8 | 64.7 | 7.426 | CC, ES |
| MICKEY 7 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,721.9 | 1,157.5 | 579.5 | 2.003 | SF |
| MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,200.0 | 2,199.0 | 89.9 | 80.2 | 9.334 | CC, ES |
| MICKEY 8 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,480.4 | 1,299.9 | 715.1 | 2.223 | SF |
| MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2 | 2,100.0 | 2,099.0 | 104.9 | 95.7 | 11.428 | CC, ES |
| MICKEY 9 - ORIGINAL WELLBORE - PROPOSAL #2 | 18,157.5 | 17,398.1 | 1,629.9 | 1,045.5 | 2.789 | SF |

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