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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                            |                                                      |
|------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-015-41148</b> | <sup>2</sup> Pool Code<br><b>96721</b>                                     | <sup>3</sup> Pool Name<br>Laguna Salado; Bone Spring |
| <sup>4</sup> Property Code<br><b>30668</b>     | <sup>5</sup> Property Name<br><b>SPUD "16" STATE</b>                       | <sup>6</sup> Well Number<br><b>10H</b>               |
| <sup>7</sup> OGRID No.<br><b>6137</b>          | <sup>8</sup> Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | <sup>9</sup> Elevation<br><b>2963.8</b>              |

<sup>10</sup> Surface Location

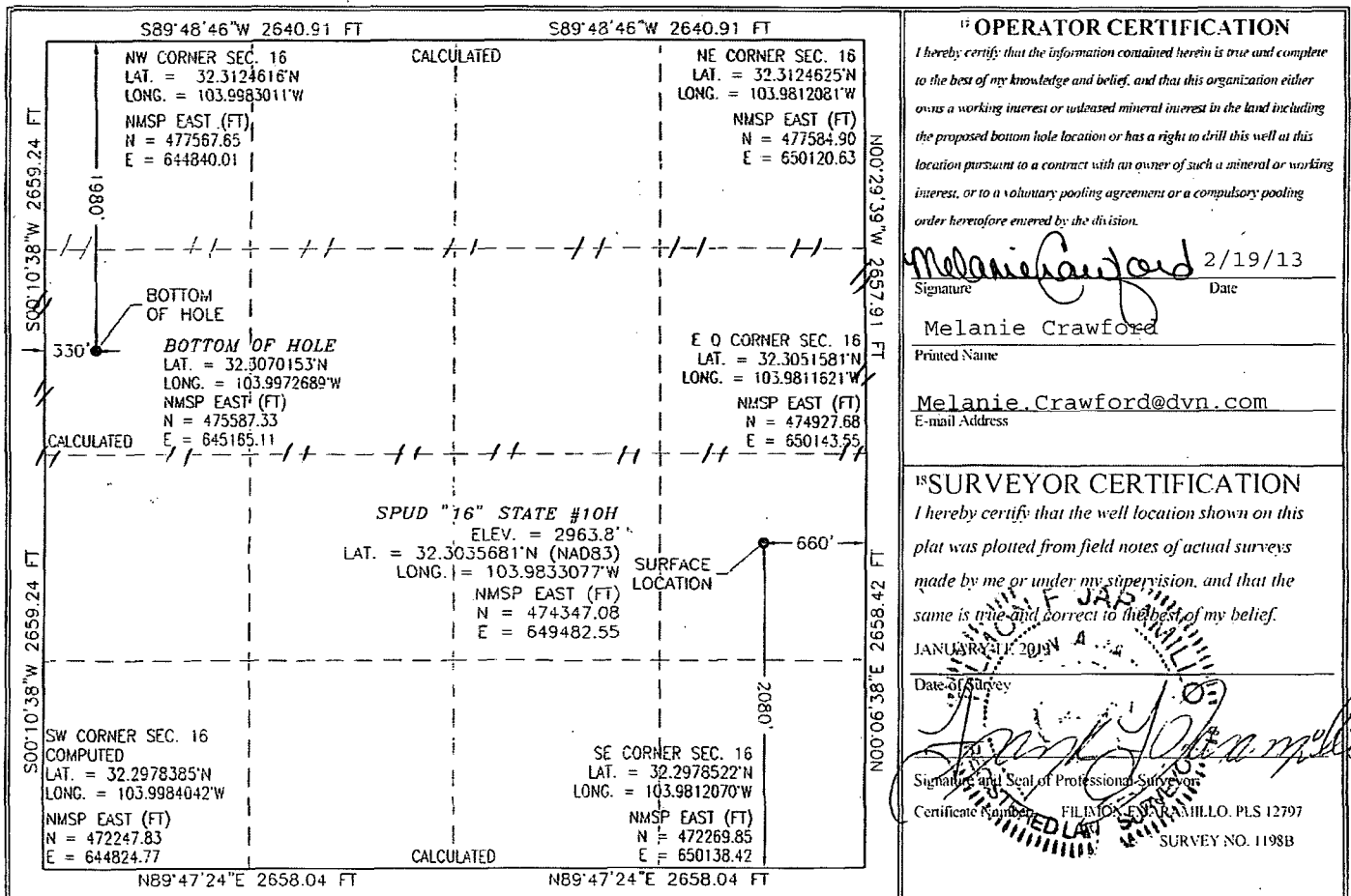
| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>I</b>      | <b>16</b> | <b>23 S</b> | <b>29 E</b> |         | <b>2080</b>   | <b>SOUTH</b>     | <b>660</b>    | <b>EAST</b>    | <b>EDDY</b> |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>E</b>      | <b>16</b> | <b>23 S</b> | <b>29 E</b> |         | <b>1980</b>   | <b>NORTH</b>     | <b>330</b>    | <b>WEST</b>    | <b>EDDY</b> |

|                                             |                               |                                  |                         |
|---------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>160</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|---------------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





**Weatherford®**



## **Drilling Services**

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## **Proposal**

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**devon**

SPUD 16 STATE #10H

EDDY COUNTY, NM

WELL FILE: **PLAN 2**

FEBRUARY 12, 2013

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**Weatherford International, Ltd.**

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Midland, TX 79711 USA

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Spud 16 State #10H  
Eddy Co., NM



KB ELEV: 2986  
GL ELEV: 2961

SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W    | DLeg  | TFace   | VSec    | Target |
|-----|----------|-------|--------|---------|---------|----------|-------|---------|---------|--------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00     | 0.00  | 0.00    | 0.00    |        |
| 2   | 5330.00  | 0.00  | 0.00   | 5330.00 | 0.00    | 0.00     | 0.00  | 0.00    | 0.00    |        |
| 3   | 6914.36  | 47.53 | 44.82  | 6738.79 | 439.99  | 437.29   | 3.00  | 0.00    | -298.78 |        |
| 4   | 7534.48  | 47.53 | 44.82  | 7157.49 | 764.44  | 759.74   | 0.00  | 0.00    | -519.10 |        |
| 5   | 8647.29  | 91.21 | 269.79 | 7777.37 | 1256.84 | 305.07   | 11.00 | -123.18 | 53.86   |        |
| 6   | 8997.29  | 91.21 | 269.79 | 7770.00 | 1255.58 | -44.85   | 0.00  | 0.00    | 389.82  | LP/Tgt |
| 7   | 13270.85 | 91.21 | 269.79 | 7680.00 | 1240.25 | -4317.44 | 0.00  | 0.00    | 4492.05 | PBHL   |

SITE DETAILS

Spud 16 State #11H  
Site Centre Northing: 474297.09  
Easting: 649482.37  
Ground Level: 2961.00  
Positional Uncertainty: 0.00  
Convergence: 0.19

WELL DETAILS

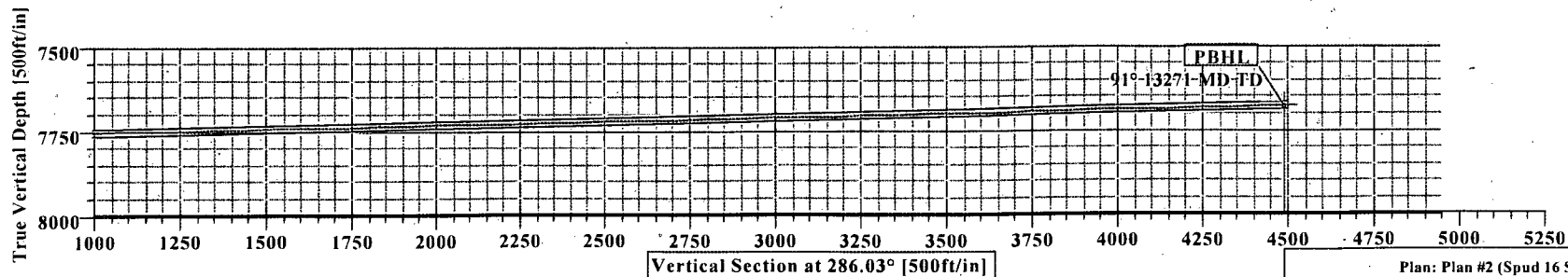
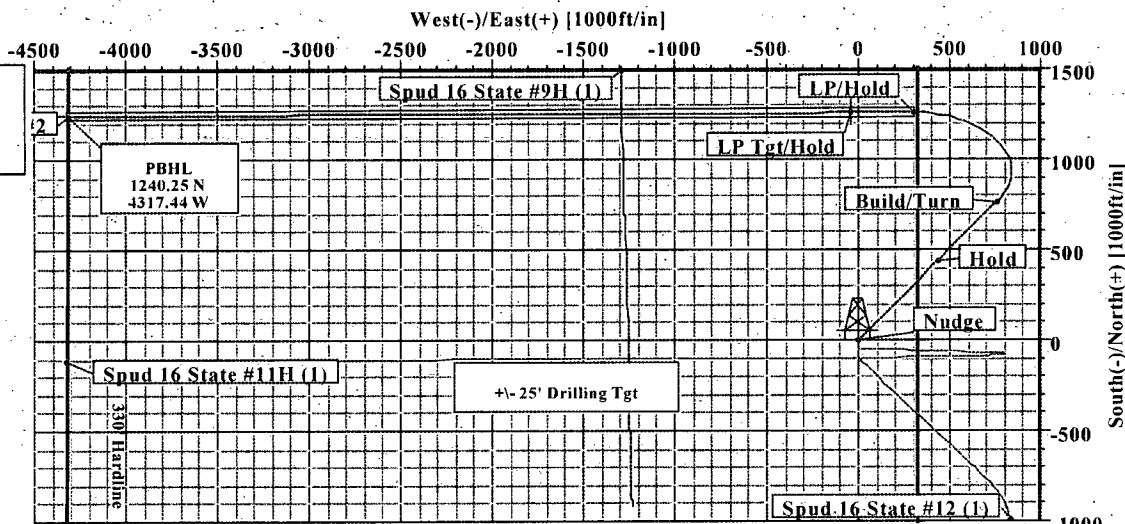
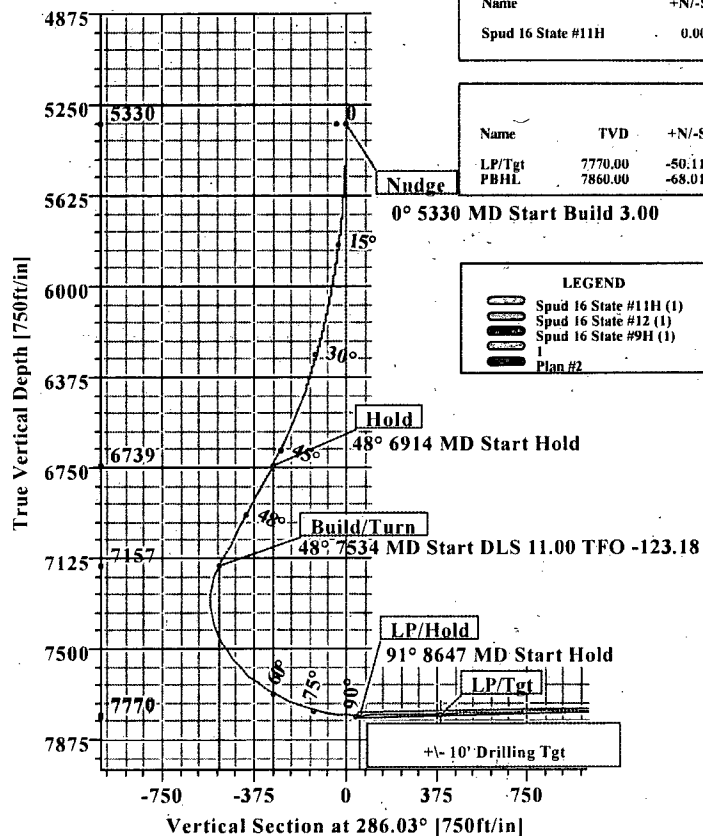
| Name               | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|--------------------|-------|-------|-----------|-----------|---------------|----------------|------|
| Spud 16 State #11H | 0.00  | 0.00  | 474297.09 | 649482.37 | 32°18'12.341N | 103°58'59.927W | N/A  |

TARGET DETAILS

| Name   | TVD     | +N/-S  | +E/-W    | Northing  | Easting   | Latitude      | Longitude      | Shape |
|--------|---------|--------|----------|-----------|-----------|---------------|----------------|-------|
| LP/Tgt | 7770.00 | -50.11 | -40.14   | 474246.98 | 649442.23 | 32°18'11.846N | 103°59'00.396W | Point |
| PBHL   | 7860.00 | -68.01 | -4321.47 | 474229.08 | 645160.90 | 32°18'11.805N | 103°59'50.282W | Point |



Weatherford





# Weatherford

## Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy Date: 2/12/2013 Time: 09:31:41 Page: 1  
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Site: Spud 16 State #10 Vertical (TVD) Reference: SITE 2988.0  
Well: Spud 16 State #10H Section (VS) Reference: Well (0.00N,0.00E,286.03Azi)  
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Plan: Plan #2 Date Composed: 10/25/2012  
Principal: Yes Version: 1  
Tied-to: From Surface

Site: Spud 16 State #10

Site Position: Northing: 474347.08 ft Latitude: 32 18 12.836 N  
From: Map Easting: 649482.55 ft Longitude: 103 58 59.923 W  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 2963.00 ft Grid Convergence: 0.19 deg

Well: Spud 16 State #10H Slot Name:  
Well Position: +N/-S 0.00 ft Northing: 474347.08 ft Latitude: 32 18 12.836 N  
+E/-W 0.00 ft Easting: 649482.55 ft Longitude: 103 58 59.923 W  
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface  
Current Datum: SITE Height 2988.00 ft Tie-on Depth: 0.00 ft  
Magnetic Data: 3/15/2013 Above System Datum: Mean Sea Level  
Field Strength: 48469 nT Declination: 7.57 deg  
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.15 deg  
ft ft +E/-W Direction  
deg  
0.00 0.00 0.00 286.03

### Plan Section Information

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | TFO<br>deg | Target |
|----------|-------------|-------------|-----------|-------------|-------------|------------------|--------------------|-------------------|------------|--------|
| 0.00     | 0.00        | 0.00        | 0.00      | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 5330.00  | 0.00        | 0.00        | 5330.00   | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 6914.36  | 47.53       | 44.82       | 6738.79   | 439.99      | 437.29      | 3.00             | 3.00               | 0.00              | 0.00       |        |
| 7534.48  | 47.53       | 44.82       | 7157.49   | 764.44      | 759.74      | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 8647.29  | 91.21       | 269.79      | 7777.37   | 1256.84     | 305.07      | 11.00            | 3.92               | -12.13            | -123.18    |        |
| 8997.29  | 91.21       | 269.79      | 7770.00   | 1255.58     | -44.85      | 0.00             | 0.00               | 0.00              | 0.00       | LP/Tgt |
| 13270.85 | 91.21       | 269.79      | 7680.00   | 1240.25     | -4317.44    | 0.00             | 0.00               | 0.00              | 0.00       | PBHL   |

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | VS<br>ft | DLS<br>deg/100ft | MapN<br>ft | MapE<br>ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 5300.00  | 0.00        | 0.00        | 5300.00   | 0.00      | 0.00      | 0.00     | 0.00             | 474347.08  | 649482.55  |         |
| 5330.00  | 0.00        | 0.00        | 5330.00   | 0.00      | 0.00      | 0.00     | 0.00             | 474347.08  | 649482.55  | Nudge   |
| 5400.00  | 2.10        | 44.82       | 5399.98   | 0.91      | 0.90      | -0.62    | 3.00             | 474347.99  | 649483.45  |         |
| 5500.00  | 5.10        | 44.82       | 5499.78   | 5.36      | 5.33      | -3.64    | 3.00             | 474352.44  | 649487.88  |         |
| 5600.00  | 8.10        | 44.82       | 5599.10   | 13.51     | 13.43     | -9.18    | 3.00             | 474360.59  | 649495.98  |         |
| 5700.00  | 11.10       | 44.82       | 5697.69   | 25.34     | 25.19     | -17.21   | 3.00             | 474372.42  | 649507.74  |         |
| 5800.00  | 14.10       | 44.82       | 5795.27   | 40.81     | 40.56     | -27.71   | 3.00             | 474387.89  | 649523.11  |         |
| 5900.00  | 17.10       | 44.82       | 5891.58   | 59.88     | 59.52     | -40.67   | 3.00             | 474406.96  | 649542.07  |         |
| 6000.00  | 20.10       | 44.82       | 5986.34   | 82.50     | 82.00     | -56.03   | 3.00             | 474429.58  | 649564.55  |         |
| 6100.00  | 23.10       | 44.82       | 6079.31   | 108.61    | 107.94    | -73.76   | 3.00             | 474455.69  | 649590.49  |         |
| 6200.00  | 26.10       | 44.82       | 6170.22   | 138.14    | 137.29    | -93.80   | 3.00             | 474485.22  | 649619.84  |         |
| 6300.00  | 29.10       | 44.82       | 6258.83   | 170.99    | 169.94    | -116.12  | 3.00             | 474518.07  | 649652.49  |         |
| 6400.00  | 32.10       | 44.82       | 6344.90   | 207.09    | 205.82    | -140.63  | 3.00             | 474554.17  | 649688.37  |         |
| 6500.00  | 35.10       | 44.82       | 6428.18   | 246.34    | 244.83    | -167.28  | 3.00             | 474593.42  | 649727.38  |         |
| 6600.00  | 38.10       | 44.82       | 6508.45   | 288.62    | 286.85    | -196.00  | 3.00             | 474635.70  | 649769.40  |         |
| 6700.00  | 41.10       | 44.82       | 6585.49   | 333.83    | 331.78    | -226.69  | 3.00             | 474680.91  | 649814.33  |         |
| 6800.00  | 44.10       | 44.82       | 6659.10   | 381.84    | 379.49    | -259.29  | 3.00             | 474728.92  | 649862.04  |         |
| 6900.00  | 47.10       | 44.82       | 6729.05   | 432.51    | 429.85    | -293.70  | 3.00             | 474779.59  | 649912.40  |         |
| 6914.36  | 47.53       | 44.82       | 6738.79   | 439.99    | 437.29    | -298.78  | 3.00             | 474787.07  | 649919.84  | Hold    |
| 7000.00  | 47.53       | 44.82       | 6796.61   | 484.80    | 481.82    | -329.21  | 0.00             | 474831.88  | 649964.37  |         |



# Weatherford

## Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Site: Spud 16 State #10  
Well: Spud 16 State #10H  
Wellpath: 1

Date: 2/12/2013 Time: 09:31:41 Page: 2  
Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0  
Section (VS) Reference: Well (0.00N,0.00E,286.03Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

**Survey**

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | VS<br>ft | DLS<br>deg/100ft | MapN<br>ft | MapE<br>ft | Comment    |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|------------|
| 7100.00  | 47.53       | 44.82       | 6864.13   | 537.12    | 533.82    | -364.74  | 0.00             | 474884.20  | 650016.37  |            |
| 7200.00  | 47.53       | 44.82       | 6931.65   | 589.44    | 585.81    | -400.27  | 0.00             | 474936.52  | 650068.36  |            |
| 7300.00  | 47.53       | 44.82       | 6999.17   | 641.76    | 637.81    | -435.80  | 0.00             | 474988.84  | 650120.36  |            |
| 7400.00  | 47.53       | 44.82       | 7066.69   | 694.08    | 689.81    | -471.33  | 0.00             | 475041.16  | 650172.36  |            |
| 7500.00  | 47.53       | 44.82       | 7134.21   | 746.40    | 741.81    | -506.85  | 0.00             | 475093.48  | 650224.36  |            |
| 7534.48  | 47.53       | 44.82       | 7157.49   | 764.44    | 759.74    | -519.10  | 0.00             | 475111.52  | 650242.29  | Build/Turn |
| 7550.00  | 46.61       | 42.86       | 7168.06   | 772.63    | 767.61    | -524.41  | 11.00            | 475119.71  | 650250.16  |            |
| 7600.00  | 43.90       | 36.11       | 7203.27   | 799.98    | 790.20    | -538.57  | 11.00            | 475147.06  | 650272.75  |            |
| 7650.00  | 41.63       | 28.73       | 7240.00   | 828.57    | 808.42    | -548.18  | 11.00            | 475175.65  | 650290.97  |            |
| 7700.00  | 39.87       | 20.75       | 7277.91   | 858.14    | 822.09    | -553.16  | 11.00            | 475205.22  | 650304.64  |            |
| 7750.00  | 38.69       | 12.25       | 7316.64   | 888.42    | 831.09    | -553.45  | 11.00            | 475235.50  | 650313.64  |            |
| 7800.00  | 38.16       | 3.44        | 7355.84   | 919.13    | 835.34    | -549.05  | 11.00            | 475266.21  | 650317.89  |            |
| 7850.00  | 38.29       | 354.55      | 7395.15   | 949.99    | 834.79    | -540.00  | 11.00            | 475297.07  | 650317.34  |            |
| 7900.00  | 39.08       | 345.84      | 7434.21   | 980.72    | 829.46    | -526.39  | 11.00            | 475327.80  | 650312.01  |            |
| 7950.00  | 40.50       | 337.53      | 7472.66   | 1011.02   | 819.39    | -508.35  | 11.00            | 475358.10  | 650301.94  |            |
| 8000.00  | 42.47       | 329.77      | 7510.14   | 1040.63   | 804.67    | -486.03  | 11.00            | 475387.71  | 650287.22  |            |
| 8050.00  | 44.92       | 322.64      | 7546.31   | 1069.27   | 785.45    | -459.64  | 11.00            | 475416.35  | 650268.00  |            |
| 8100.00  | 47.78       | 316.14      | 7580.84   | 1096.67   | 761.89    | -429.43  | 11.00            | 475443.75  | 650244.44  |            |
| 8150.00  | 50.98       | 310.24      | 7613.40   | 1122.59   | 734.21    | -395.67  | 11.00            | 475469.67  | 650216.76  |            |
| 8200.00  | 54.44       | 304.87      | 7643.70   | 1146.78   | 702.68    | -358.68  | 11.00            | 475493.86  | 650185.23  |            |
| 8250.00  | 58.12       | 299.95      | 7671.47   | 1169.02   | 667.57    | -318.80  | 11.00            | 475516.10  | 650150.12  |            |
| 8300.00  | 61.98       | 295.43      | 7696.43   | 1189.12   | 629.21    | -276.39  | 11.00            | 475536.20  | 650111.76  |            |
| 8350.00  | 65.97       | 291.22      | 7718.37   | 1206.87   | 587.96    | -231.84  | 11.00            | 475553.95  | 650070.51  |            |
| 8400.00  | 70.08       | 287.27      | 7737.08   | 1222.12   | 544.20    | -185.56  | 11.00            | 475569.20  | 650026.75  |            |
| 8450.00  | 74.26       | 283.52      | 7752.40   | 1234.73   | 498.32    | -137.99  | 11.00            | 475581.81  | 649980.87  |            |
| 8500.00  | 78.51       | 279.92      | 7764.16   | 1244.58   | 450.76    | -89.55   | 11.00            | 475591.66  | 649933.31  |            |
| 8550.00  | 82.80       | 276.43      | 7772.28   | 1251.59   | 401.94    | -40.70   | 11.00            | 475598.67  | 649884.49  |            |
| 8600.00  | 87.12       | 273.01      | 7776.68   | 1255.68   | 352.32    | 8.12     | 11.00            | 475602.76  | 649834.87  |            |
| 8647.29  | 91.21       | 269.79      | 7777.37   | 1256.84   | 305.07    | 53.86    | 11.00            | 475603.92  | 649787.62  | LP/Hold    |
| 8700.00  | 91.21       | 269.79      | 7776.26   | 1256.65   | 252.37    | 104.45   | 0.00             | 475603.73  | 649734.92  |            |
| 8800.00  | 91.21       | 269.79      | 7774.15   | 1256.29   | 152.39    | 200.44   | 0.00             | 475603.37  | 649634.94  |            |
| 8900.00  | 91.21       | 269.79      | 7772.05   | 1255.93   | 52.42     | 296.44   | 0.00             | 475603.01  | 649534.97  |            |
| 8997.29  | 91.21       | 269.79      | 7770.00   | 1255.58   | -44.85    | 389.82   | 0.00             | 475602.66  | 649437.70  | LP/Tgt     |
| 9000.00  | 91.21       | 269.79      | 7769.94   | 1255.57   | -47.56    | 392.43   | 0.00             | 475602.65  | 649434.99  |            |
| 9100.00  | 91.21       | 269.79      | 7767.84   | 1255.21   | -147.54   | 488.42   | 0.00             | 475602.29  | 649335.01  |            |
| 9200.00  | 91.21       | 269.79      | 7765.73   | 1254.85   | -247.52   | 584.41   | 0.00             | 475601.93  | 649235.03  |            |
| 9300.00  | 91.21       | 269.79      | 7763.62   | 1254.49   | -347.49   | 680.40   | 0.00             | 475601.57  | 649135.06  |            |
| 9400.00  | 91.21       | 269.79      | 7761.52   | 1254.14   | -447.47   | 776.39   | 0.00             | 475601.22  | 649035.08  |            |
| 9500.00  | 91.21       | 269.79      | 7759.41   | 1253.78   | -547.45   | 872.38   | 0.00             | 475600.86  | 648935.10  |            |
| 9600.00  | 91.21       | 269.79      | 7757.31   | 1253.42   | -647.42   | 968.37   | 0.00             | 475600.50  | 648835.13  |            |
| 9700.00  | 91.21       | 269.79      | 7755.20   | 1253.06   | -747.40   | 1064.36  | 0.00             | 475600.14  | 648735.15  |            |
| 9800.00  | 91.21       | 269.79      | 7753.10   | 1252.70   | -847.38   | 1160.35  | 0.00             | 475599.78  | 648635.17  |            |
| 9900.00  | 91.21       | 269.79      | 7750.99   | 1252.34   | -947.36   | 1256.34  | 0.00             | 475599.42  | 648535.19  |            |
| 10000.00 | 91.21       | 269.79      | 7748.88   | 1251.98   | -1047.33  | 1352.33  | 0.00             | 475599.06  | 648435.22  |            |
| 10100.00 | 91.21       | 269.79      | 7746.78   | 1251.62   | -1147.31  | 1448.32  | 0.00             | 475598.70  | 648335.24  |            |
| 10200.00 | 91.21       | 269.79      | 7744.67   | 1251.27   | -1247.29  | 1544.32  | 0.00             | 475598.35  | 648235.26  |            |
| 10300.00 | 91.21       | 269.79      | 7742.57   | 1250.91   | -1347.27  | 1640.31  | 0.00             | 475597.99  | 648135.28  |            |
| 10400.00 | 91.21       | 269.79      | 7740.46   | 1250.55   | -1447.24  | 1736.30  | 0.00             | 475597.63  | 648035.31  |            |
| 10500.00 | 91.21       | 269.79      | 7738.35   | 1250.19   | -1547.22  | 1832.29  | 0.00             | 475597.27  | 647935.33  |            |
| 10600.00 | 91.21       | 269.79      | 7736.25   | 1249.83   | -1647.20  | 1928.28  | 0.00             | 475596.91  | 647835.35  |            |
| 10700.00 | 91.21       | 269.79      | 7734.14   | 1249.47   | -1747.17  | 2024.27  | 0.00             | 475596.55  | 647735.38  |            |
| 10800.00 | 91.21       | 269.79      | 7732.04   | 1249.11   | -1847.15  | 2120.26  | 0.00             | 475596.19  | 647635.40  |            |
| 10900.00 | 91.21       | 269.79      | 7729.93   | 1248.75   | -1947.13  | 2216.25  | 0.00             | 475595.83  | 647535.42  |            |



# Weatherford

## Wft Plan Report X Y's.

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Site: Spud 16 State #10  
Well: Spud 16 State #10H  
Wellpath: 1

Date: 2/12/2013 Time: 09:31:41 Page: 3  
Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0  
Section (VS) Reference: Well (0.00N,0.00E,286.03Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | VS<br>ft | DLS<br>deg/100ft | MapN<br>ft | MapE<br>ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 11000.00 | 91.21       | 269.79      | 7727.82   | 1248.40   | -2047.11  | 2312.24  | 0.00             | 475595.48  | 647435.44  |         |
| 11100.00 | 91.21       | 269.79      | 7725.72   | 1248.04   | -2147.08  | 2408.23  | 0.00             | 475595.12  | 647335.47  |         |
| 11200.00 | 91.21       | 269.79      | 7723.61   | 1247.68   | -2247.06  | 2504.22  | 0.00             | 475594.76  | 647235.49  |         |
| 11300.00 | 91.21       | 269.79      | 7721.51   | 1247.32   | -2347.04  | 2600.21  | 0.00             | 475594.40  | 647135.51  |         |
| 11400.00 | 91.21       | 269.79      | 7719.40   | 1246.96   | -2447.01  | 2696.20  | 0.00             | 475594.04  | 647035.54  |         |
| 11500.00 | 91.21       | 269.79      | 7717.29   | 1246.60   | -2546.99  | 2792.19  | 0.00             | 475593.68  | 646935.56  |         |
| 11600.00 | 91.21       | 269.79      | 7715.19   | 1246.24   | -2646.97  | 2888.19  | 0.00             | 475593.32  | 646835.58  |         |
| 11700.00 | 91.21       | 269.79      | 7713.08   | 1245.88   | -2746.95  | 2984.18  | 0.00             | 475592.96  | 646735.60  |         |
| 11800.00 | 91.21       | 269.79      | 7710.98   | 1245.53   | -2846.92  | 3080.17  | 0.00             | 475592.61  | 646635.63  |         |
| 11900.00 | 91.21       | 269.79      | 7708.87   | 1245.17   | -2946.90  | 3176.16  | 0.00             | 475592.25  | 646535.65  |         |
| 12000.00 | 91.21       | 269.79      | 7706.76   | 1244.81   | -3046.88  | 3272.15  | 0.00             | 475591.89  | 646435.67  |         |
| 12100.00 | 91.21       | 269.79      | 7704.66   | 1244.45   | -3146.85  | 3368.14  | 0.00             | 475591.53  | 646335.70  |         |
| 12200.00 | 91.21       | 269.79      | 7702.55   | 1244.09   | -3246.83  | 3464.13  | 0.00             | 475591.17  | 646235.72  |         |
| 12300.00 | 91.21       | 269.79      | 7700.45   | 1243.73   | -3346.81  | 3560.12  | 0.00             | 475590.81  | 646135.74  |         |
| 12400.00 | 91.21       | 269.79      | 7698.34   | 1243.37   | -3446.79  | 3656.11  | 0.00             | 475590.45  | 646035.76  |         |
| 12500.00 | 91.21       | 269.79      | 7696.23   | 1243.02   | -3546.76  | 3752.10  | 0.00             | 475590.10  | 645935.79  |         |
| 12600.00 | 91.21       | 269.79      | 7694.13   | 1242.66   | -3646.74  | 3848.09  | 0.00             | 475589.74  | 645835.81  |         |
| 12700.00 | 91.21       | 269.79      | 7692.02   | 1242.30   | -3746.72  | 3944.08  | 0.00             | 475589.38  | 645735.83  |         |
| 12800.00 | 91.21       | 269.79      | 7689.92   | 1241.94   | -3846.69  | 4040.07  | 0.00             | 475589.02  | 645635.86  |         |
| 12900.00 | 91.21       | 269.79      | 7687.81   | 1241.58   | -3946.67  | 4136.07  | 0.00             | 475588.66  | 645535.88  |         |
| 13000.00 | 91.21       | 269.79      | 7685.70   | 1241.22   | -4046.65  | 4232.06  | 0.00             | 475588.30  | 645435.90  |         |
| 13100.00 | 91.21       | 269.79      | 7683.60   | 1240.86   | -4146.63  | 4328.05  | 0.00             | 475587.94  | 645335.92  |         |
| 13200.00 | 91.21       | 269.79      | 7681.49   | 1240.50   | -4246.60  | 4424.04  | 0.00             | 475587.58  | 645235.95  |         |
| 13270.85 | 91.21       | 269.79      | 7680.00   | 1240.25   | -4317.44  | 4492.05  | 0.00             | 475587.33  | 645165.11  | PBHL    |

### Targets

| Name                 | Description<br>Dip. Dir. | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | Map<br>Northing<br>ft | Map<br>Easting<br>ft | Latitude<br>Deg Min Sec | Longitude<br>Deg Min Sec |
|----------------------|--------------------------|-----------|-------------|-------------|-----------------------|----------------------|-------------------------|--------------------------|
| PBHL                 |                          | 7680.00   | 1240.25     | -4317.44    | 475587.33             | 645165.11            | 32 18 25.246 N          | 103 59 50.183 W          |
| -Rectangle (4623x50) |                          |           |             |             |                       |                      |                         |                          |
| LP/Tgt               |                          | 7770.00   | 1255.58     | -44.85      | 475602.66             | 649437.70            | 32 18 25.262 N          | 103 59 0.398 W           |

### Casing Points

| MD | TVD | Diameter | Hole Size | Name |
|----|-----|----------|-----------|------|
|    |     |          |           |      |

### Annotation

| MD<br>ft | TVD<br>ft |             |
|----------|-----------|-------------|
| 5330.00  | 5330.00   | Nudge       |
| 6914.36  | 6738.79   | Hold        |
| 7534.48  | 7157.49   | Build/Turn  |
| 8647.29  | 7777.37   | LP/Hold     |
| 8997.29  | 7770.00   | LP Tgt/Hold |
| 13270.85 | 7680.00   | PBHL        |



# Weatherford Anticollision Report



Company: Devon Energy Date: 2/12/2013 Time: 09:28:53 Page: 1  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10 Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Reference Well: Spud 16 State #10H Vertical (TVD) Reference: SITE 2988.0  
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria Reference: Plan: Plan #2  
Interpolation Method MD + Stations Interval: 100.00' ft Error Model: ISCWSA Ellipse  
Depth Range: 0.00 to 13270.85 ft Scan Method: Closest Approach 3D  
Maximum Radius 40000.00 ft Error Surface: Ellipse

Plan: Plan #2 Date Composed: 10/25/2012  
Principal: Yes Version: 1  
Tied-to: From Surface

## Summary

| Site               | Offset Wellpath    | Wellpath              | Reference MD | Offset MD | Ctr-Ctr Edge Distance | Separation Distance | Warning |
|--------------------|--------------------|-----------------------|--------------|-----------|-----------------------|---------------------|---------|
| Spud 16 State #11H | Spud 16 State #11H | 1 V0 Plan: Plan #2 V1 | 5330.00      | 5328.00   | 49.99                 | 26.32               | 2.11    |
| Spud 16 State #12  | Spud 16 State #12  | 1 V0 Plan: Plan #2 V1 | 5400.00      | 5397.98   | 100.92                | 76.93               | 4.21    |
| Spud 16 State #9H  | Spud 16 State #9H  | 1 V1                  | 10400.00     | 9323.11   | 334.96                | 287.22              | 7.02    |

Site: Spud 16 State #11H  
Well: Spud 16 State #11H  
Wellpath: 1 V0 Plan: Plan #2 V1 Inter-Site Error: 0.00 ft

| Reference MD | Reference TVD | Offset MD | Offset TVD | Semi-Major Axis Ref | Semi-Major Axis Offset | Semi-Major Axis TFO-HS | Offset Location North | Offset Location East | Ctr-Ctr Edge Distance | Separation Distance | Warning  |
|--------------|---------------|-----------|------------|---------------------|------------------------|------------------------|-----------------------|----------------------|-----------------------|---------------------|----------|
| ft           | ft            | ft        | ft         | ft                  | ft                     | deg                    | ft                    | ft                   | ft                    | ft                  |          |
| 0.00         | 0.00          | 2.00      | -2.00      | 0.00                | 0.00                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 49.99               | 29654.73 |
| 100.00       | 100.00        | 98.00     | 98.00      | 0.08                | 0.08                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 49.82               | 299.54   |
| 200.00       | 200.00        | 198.00    | 198.00     | 0.31                | 0.30                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 49.38               | 81.47    |
| 300.00       | 300.00        | 298.00    | 298.00     | 0.53                | 0.53                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 48.93               | 47.02    |
| 400.00       | 400.00        | 398.00    | 398.00     | 0.76                | 0.75                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 48.48               | 33.05    |
| 500.00       | 500.00        | 498.00    | 498.00     | 0.98                | 0.98                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 48.03               | 25.48    |
| 600.00       | 600.00        | 598.00    | 598.00     | 1.21                | 1.20                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 47.58               | 20.73    |
| 700.00       | 700.00        | 698.00    | 698.00     | 1.43                | 1.43                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 47.13               | 17.47    |
| 800.00       | 800.00        | 798.00    | 798.00     | 1.66                | 1.65                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 46.68               | 15.10    |
| 900.00       | 900.00        | 898.00    | 898.00     | 1.88                | 1.88                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 46.23               | 13.29    |
| 1000.00      | 1000.00       | 998.00    | 998.00     | 2.11                | 2.10                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 45.78               | 11.87    |
| 1100.00      | 1100.00       | 1098.00   | 1098.00    | 2.33                | 2.33                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 45.33               | 10.73    |
| 1200.00      | 1200.00       | 1198.00   | 1198.00    | 2.56                | 2.55                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 44.88               | 9.78     |
| 1300.00      | 1300.00       | 1298.00   | 1298.00    | 2.78                | 2.78                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 44.43               | 8.99     |
| 1400.00      | 1400.00       | 1398.00   | 1398.00    | 3.01                | 3.00                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 43.98               | 8.32     |
| 1500.00      | 1500.00       | 1498.00   | 1498.00    | 3.23                | 3.23                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 43.53               | 7.74     |
| 1600.00      | 1600.00       | 1598.00   | 1598.00    | 3.46                | 3.45                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 43.08               | 7.24     |
| 1700.00      | 1700.00       | 1698.00   | 1698.00    | 3.68                | 3.68                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 42.63               | 6.80     |
| 1800.00      | 1800.00       | 1798.00   | 1798.00    | 3.91                | 3.90                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 42.18               | 6.40     |
| 1900.00      | 1900.00       | 1898.00   | 1898.00    | 4.13                | 4.13                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 41.73               | 6.06     |
| 2000.00      | 2000.00       | 1998.00   | 1998.00    | 4.35                | 4.35                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 41.29               | 5.74     |
| 2100.00      | 2100.00       | 2098.00   | 2098.00    | 4.58                | 4.58                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 40.84               | 5.46     |
| 2200.00      | 2200.00       | 2198.00   | 2198.00    | 4.80                | 4.80                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 40.39               | 5.21     |
| 2300.00      | 2300.00       | 2298.00   | 2298.00    | 5.03                | 5.02                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 39.94               | 4.97     |
| 2400.00      | 2400.00       | 2398.00   | 2398.00    | 5.25                | 5.25                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 39.49               | 4.76     |
| 2500.00      | 2500.00       | 2498.00   | 2498.00    | 5.48                | 5.47                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 39.04               | 4.56     |
| 2600.00      | 2600.00       | 2598.00   | 2598.00    | 5.70                | 5.70                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 38.59               | 4.38     |
| 2700.00      | 2700.00       | 2698.00   | 2698.00    | 5.93                | 5.92                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 38.14               | 4.22     |
| 2800.00      | 2800.00       | 2798.00   | 2798.00    | 6.15                | 6.15                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 37.69               | 4.06     |
| 2900.00      | 2900.00       | 2898.00   | 2898.00    | 6.38                | 6.37                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 37.24               | 3.92     |
| 3000.00      | 3000.00       | 2998.00   | 2998.00    | 6.60                | 6.60                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 36.79               | 3.79     |
| 3100.00      | 3100.00       | 3098.00   | 3098.00    | 6.83                | 6.82                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 36.34               | 3.66     |
| 3200.00      | 3200.00       | 3198.00   | 3198.00    | 7.05                | 7.05                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 35.89               | 3.55     |
| 3300.00      | 3300.00       | 3298.00   | 3298.00    | 7.28                | 7.27                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 35.44               | 3.44     |
| 3400.00      | 3400.00       | 3398.00   | 3398.00    | 7.50                | 7.50                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 34.99               | 3.33     |
| 3500.00      | 3500.00       | 3498.00   | 3498.00    | 7.73                | 7.72                   | 180.21                 | -49.99                | -0.18                | 49.99                 | 34.54               | 3.24     |



# Weatherford Anticollision Report



Weatherford

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 2

Co-ordinate(N/E) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #11H  
Well: Spud 16 State #11H  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference<br>MD<br>ft | TVD<br>ft | Offset   |           | Semi-Major Axis |              |               | Offset Location |            | Ctr-Ctr<br>Distance<br>ft | Edge<br>Distance<br>ft | Separation<br>Factor | Warning |
|-----------------------|-----------|----------|-----------|-----------------|--------------|---------------|-----------------|------------|---------------------------|------------------------|----------------------|---------|
|                       |           | MD<br>ft | TVD<br>ft | Ref<br>ft       | Offset<br>ft | TFO-HS<br>deg | North<br>ft     | East<br>ft |                           |                        |                      |         |
| 3600.00               | 3600.00   | 3598.00  | 3598.00   | 7.95            | 7.95         | 180.21        | -49.99          | -0.18      | 49.99                     | 34.09                  | 3.14                 |         |
| 3700.00               | 3700.00   | 3698.00  | 3698.00   | 8.18            | 8.17         | 180.21        | -49.99          | -0.18      | 49.99                     | 33.64                  | 3.06                 |         |
| 3800.00               | 3800.00   | 3798.00  | 3798.00   | 8.40            | 8.40         | 180.21        | -49.99          | -0.18      | 49.99                     | 33.19                  | 2.98                 |         |
| 3900.00               | 3900.00   | 3898.00  | 3898.00   | 8.63            | 8.62         | 180.21        | -49.99          | -0.18      | 49.99                     | 32.74                  | 2.90                 |         |
| 4000.00               | 4000.00   | 3998.00  | 3998.00   | 8.85            | 8.85         | 180.21        | -49.99          | -0.18      | 49.99                     | 32.29                  | 2.82                 |         |
| 4100.00               | 4100.00   | 4098.00  | 4098.00   | 9.07            | 9.07         | 180.21        | -49.99          | -0.18      | 49.99                     | 31.84                  | 2.75                 |         |
| 4200.00               | 4200.00   | 4198.00  | 4198.00   | 9.30            | 9.30         | 180.21        | -49.99          | -0.18      | 49.99                     | 31.40                  | 2.69                 |         |
| 4300.00               | 4300.00   | 4298.00  | 4298.00   | 9.52            | 9.52         | 180.21        | -49.99          | -0.18      | 49.99                     | 30.95                  | 2.62                 |         |
| 4400.00               | 4400.00   | 4398.00  | 4398.00   | 9.75            | 9.74         | 180.21        | -49.99          | -0.18      | 49.99                     | 30.50                  | 2.56                 |         |
| 4500.00               | 4500.00   | 4498.00  | 4498.00   | 9.97            | 9.97         | 180.21        | -49.99          | -0.18      | 49.99                     | 30.05                  | 2.51                 |         |
| 4600.00               | 4600.00   | 4598.00  | 4598.00   | 10.20           | 10.19        | 180.21        | -49.99          | -0.18      | 49.99                     | 29.60                  | 2.45                 |         |
| 4700.00               | 4700.00   | 4698.00  | 4698.00   | 10.42           | 10.42        | 180.21        | -49.99          | -0.18      | 49.99                     | 29.15                  | 2.40                 |         |
| 4800.00               | 4800.00   | 4798.00  | 4798.00   | 10.65           | 10.64        | 180.21        | -49.99          | -0.18      | 49.99                     | 28.70                  | 2.35                 |         |
| 4900.00               | 4900.00   | 4898.00  | 4898.00   | 10.87           | 10.87        | 180.21        | -49.99          | -0.18      | 49.99                     | 28.25                  | 2.30                 |         |
| 5000.00               | 5000.00   | 4998.00  | 4998.00   | 11.10           | 11.09        | 180.21        | -49.99          | -0.18      | 49.99                     | 27.80                  | 2.25                 |         |
| 5100.00               | 5100.00   | 5098.00  | 5098.00   | 11.32           | 11.32        | 180.21        | -49.99          | -0.18      | 49.99                     | 27.35                  | 2.21                 |         |
| 5200.00               | 5200.00   | 5198.00  | 5198.00   | 11.55           | 11.54        | 180.21        | -49.99          | -0.18      | 49.99                     | 26.90                  | 2.17                 |         |
| 5300.00               | 5300.00   | 5298.00  | 5298.00   | 11.77           | 11.77        | 180.21        | -49.99          | -0.18      | 49.99                     | 26.45                  | 2.12                 |         |
| 5330.00               | 5330.00   | 5328.00  | 5328.00   | 11.84           | 11.84        | 180.21        | -49.99          | -0.18      | 49.99                     | 26.32                  | 2.11                 |         |
| 5400.00               | 5399.98   | 5397.98  | 5397.98   | 11.99           | 11.99        | 136.38        | -49.99          | -0.18      | 50.91                     | 26.93                  | 2.12                 |         |
| 5500.00               | 5499.78   | 5497.88  | 5497.87   | 12.21           | 12.21        | 139.51        | -50.03          | 1.03       | 55.56                     | 31.16                  | 2.28                 |         |
| 5600.00               | 5599.10   | 5597.70  | 5597.48   | 12.43           | 12.41        | 140.53        | -50.21          | 7.17       | 64.03                     | 39.26                  | 2.58                 |         |
| 5700.00               | 5697.69   | 5697.19  | 5696.31   | 12.65           | 12.61        | 139.76        | -50.55          | 18.47      | 76.19                     | 51.04                  | 3.03                 |         |
| 5800.00               | 5795.27   | 5796.09  | 5793.86   | 12.89           | 12.82        | 137.97        | -51.04          | 34.78      | 92.03                     | 66.50                  | 3.60                 |         |
| 5900.00               | 5891.58   | 5894.19  | 5889.64   | 13.14           | 13.04        | 135.73        | -51.67          | 55.93      | 111.61                    | 85.67                  | 4.30                 |         |
| 6000.00               | 5986.34   | 5991.26  | 5983.22   | 13.43           | 13.29        | 133.40        | -52.44          | 81.66      | 134.95                    | 108.56                 | 5.11                 |         |
| 6100.00               | 6079.31   | 6087.11  | 6074.22   | 13.75           | 13.56        | 131.13        | -53.34          | 111.70     | 162.03                    | 135.14                 | 6.02                 |         |
| 6200.00               | 6170.22   | 6181.57  | 6162.32   | 14.12           | 13.87        | 128.98        | -54.36          | 145.73     | 192.78                    | 165.30                 | 7.02                 |         |
| 6300.00               | 6258.83   | 6274.49  | 6247.24   | 14.54           | 14.22        | 126.97        | -55.49          | 183.42     | 227.09                    | 198.94                 | 8.07                 |         |
| 6400.00               | 6344.90   | 6365.76  | 6328.77   | 15.04           | 14.62        | 125.09        | -56.72          | 224.41     | 264.85                    | 235.90                 | 9.15                 |         |
| 6500.00               | 6428.18   | 6455.29  | 6406.75   | 15.62           | 15.08        | 123.30        | -58.04          | 268.36     | 305.91                    | 276.02                 | 10.24                |         |
| 6600.00               | 6508.45   | 6543.02  | 6481.08   | 16.29           | 15.61        | 121.58        | -59.44          | 314.92     | 350.11                    | 319.13                 | 11.30                |         |
| 6700.00               | 6585.49   | 6628.91  | 6551.71   | 17.06           | 16.20        | 119.91        | -60.90          | 363.77     | 397.30                    | 365.04                 | 12.32                |         |
| 6800.00               | 6659.10   | 6712.95  | 6618.62   | 17.93           | 16.87        | 118.26        | -62.43          | 414.58     | 447.30                    | 413.59                 | 13.27                |         |
| 6900.00               | 6729.05   | 6795.15  | 6681.84   | 18.91           | 17.60        | 116.63        | -64.00          | 467.09     | 499.95                    | 464.57                 | 14.13                |         |
| 6914.36               | 6738.79   | 6806.80  | 6690.61   | 19.06           | 17.71        | 116.39        | -64.23          | 474.75     | 507.71                    | 472.08                 | 14.25                |         |
| 7000.00               | 6796.61   | 6878.30  | 6744.07   | 19.98           | 18.43        | 116.43        | -65.65          | 522.20     | 554.24                    | 517.07                 | 14.91                |         |
| 7100.00               | 6864.13   | 6962.25  | 6806.82   | 21.11           | 19.33        | 116.46        | -67.32          | 577.95     | 608.57                    | 569.50                 | 15.58                |         |
| 7200.00               | 6931.65   | 7046.21  | 6869.57   | 22.29           | 20.26        | 116.49        | -68.99          | 633.70     | 662.90                    | 621.86                 | 16.15                |         |
| 7300.00               | 6999.17   | 7134.27  | 6936.09   | 23.50           | 21.23        | 116.61        | -70.77          | 691.35     | 717.15                    | 674.05                 | 16.64                |         |
| 7400.00               | 7066.69   | 7228.81  | 7015.49   | 24.75           | 22.03        | 117.90        | -72.98          | 742.39     | 770.43                    | 725.54                 | 17.16                |         |
| 7500.00               | 7134.21   | 7317.24  | 7096.95   | 26.03           | 22.56        | 120.17        | -75.34          | 776.42     | 823.22                    | 776.93                 | 17.78                |         |
| 7534.48               | 7157.49   | 7345.54  | 7124.11   | 26.48           | 22.70        | 121.08        | -76.14          | 784.33     | 841.52                    | 794.83                 | 18.02                |         |
| 7550.00               | 7168.06   | 7357.90  | 7136.10   | 26.65           | 22.74        | 123.82        | -76.50          | 787.33     | 849.88                    | 803.23                 | 18.22                |         |
| 7600.00               | 7203.27   | 7396.63  | 7174.07   | 27.07           | 22.88        | 133.24        | -77.63          | 794.84     | 878.04                    | 831.73                 | 18.96                |         |
| 7650.00               | 7240.00   | 7433.97  | 7211.10   | 27.31           | 22.97        | 143.56        | -78.76          | 799.40     | 907.77                    | 862.06                 | 19.86                |         |
| 7700.00               | 7277.91   | 7470.26  | 7247.32   | 27.35           | 23.03        | 154.66        | -79.87          | 801.27     | 938.67                    | 898.63                 | 20.44                |         |
| 7750.00               | 7316.64   | 7505.82  | 7282.85   | 27.20           | 23.08        | 166.34        | -80.97          | 800.66     | 970.39                    | 926.24                 | 21.98                |         |
| 7800.00               | 7355.84   | 7540.92  | 7317.80   | 26.86           | 23.10        | 178.32        | -82.07          | 797.68     | 1002.55                   | 959.12                 | 23.08                |         |
| 7850.00               | 7395.15   | 7575.83  | 7352.28   | 26.33           | 23.10        | 190.22        | -83.16          | 792.38     | 1034.83                   | 991.96                 | 24.14                |         |
| 7900.00               | 7434.21   | 7610.79  | 7386.38   | 25.63           | 23.10        | 201.69        | -84.25          | 784.77     | 1066.89                   | 1024.41                | 25.12                |         |





# Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 3

Co-ordinate(N/E) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #11H  
Well: Spud 16 State #11H  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference |         | Offset   |         | Semi-Major Axis |        |        | Offset Location |          | Ctr-Ctr Edge |          | Separation | Warning |
|-----------|---------|----------|---------|-----------------|--------|--------|-----------------|----------|--------------|----------|------------|---------|
| MD        | TVD     | MD       | TVD     | Ref             | Offset | TFO-HS | North           | East     | Distance     | Distance | Factor     |         |
| ft        | ft      | ft       | ft      | ft              | ft     | deg    | ft              | ft       | ft           | ft       |            |         |
| 7950.00   | 7472.66 | 7646.05  | 7420.17 | 24.79           | 23.08  | 212.42 | -85.34          | 774.80   | 1098.43      | 1056.15  | 25.98      |         |
| 8000.00   | 7510.14 | 7681.81  | 7453.68 | 23.84           | 23.06  | 222.21 | -86.44          | 762.37   | 1129.18      | 1086.93  | 26.73      |         |
| 8050.00   | 7546.31 | 7718.30  | 7486.91 | 22.84           | 23.03  | 230.94 | -87.54          | 747.35   | 1158.86      | 1116.53  | 27.38      |         |
| 8100.00   | 7580.84 | 7755.72  | 7519.81 | 21.92           | 23.01  | 238.60 | -88.64          | 729.57   | 1187.22      | 1144.75  | 27.95      |         |
| 8150.00   | 7613.40 | 7794.28  | 7552.28 | 21.31           | 23.00  | 245.21 | -89.75          | 708.83   | 1214.04      | 1171.35  | 28.44      |         |
| 8200.00   | 7643.70 | 7834.14  | 7584.15 | 21.12           | 23.00  | 250.85 | -90.85          | 684.91   | 1239.09      | 1196.13  | 28.84      |         |
| 8250.00   | 7671.47 | 7875.49  | 7615.17 | 21.26           | 23.02  | 255.60 | -91.94          | 657.61   | 1262.17      | 1218.86  | 29.14      |         |
| 8300.00   | 7696.43 | 7918.47  | 7645.01 | 21.56           | 23.07  | 259.54 | -93.01          | 626.72   | 1283.08      | 1239.32  | 29.32      |         |
| 8350.00   | 7718.37 | 7963.18  | 7673.24 | 21.98           | 23.17  | 262.76 | -94.05          | 592.09   | 1301.64      | 1257.31  | 29.36      |         |
| 8400.00   | 7737.08 | 8009.67  | 7699.34 | 22.49           | 23.32  | 265.32 | -95.05          | 553.64   | 1317.68      | 1272.64  | 29.25      |         |
| 8450.00   | 7752.40 | 8057.96  | 7722.70 | 23.07           | 23.55  | 267.29 | -95.97          | 511.41   | 1331.06      | 1285.14  | 28.99      |         |
| 8500.00   | 7764.16 | 8107.96  | 7742.67 | 23.71           | 23.85  | 268.70 | -96.81          | 465.59   | 1341.62      | 1294.66  | 28.57      |         |
| 8550.00   | 7772.28 | 8159.52  | 7758.57 | 24.41           | 24.24  | 269.61 | -97.54          | 416.57   | 1349.26      | 1301.10  | 28.02      |         |
| 8600.00   | 7776.68 | 8212.40  | 7769.76 | 25.14           | 24.72  | 270.03 | -98.13          | 364.92   | 1353.88      | 1304.40  | 27.36      |         |
| 8647.29   | 7777.37 | 8263.32  | 7775.53 | 25.85           | 25.25  | 270.00 | -98.56          | 314.35   | 1355.42      | 1304.59  | 26.66      |         |
| 8700.00   | 7776.26 | 8319.71  | 7776.27 | 26.42           | 25.91  | 269.92 | -98.85          | 257.99   | 1355.51      | 1303.45  | 26.04      |         |
| 8800.00   | 7774.15 | 8419.71  | 7774.17 | 27.67           | 27.24  | 269.92 | -99.27          | 158.02   | 1355.57      | 1300.93  | 24.81      |         |
| 8900.00   | 7772.05 | 8519.71  | 7772.07 | 29.13           | 28.76  | 269.92 | -99.69          | 58.04    | 1355.63      | 1297.99  | 23.52      |         |
| 8997.29   | 7770.00 | 8616.99  | 7770.02 | 30.71           | 30.40  | 269.92 | -100.10         | -39.22   | 1355.69      | 1294.82  | 22.27      |         |
| 9000.00   | 7769.94 | 8619.71  | 7769.97 | 30.76           | 30.45  | 269.92 | -100.11         | -41.94   | 1355.69      | 1294.72  | 22.24      |         |
| 9100.00   | 7767.84 | 8719.71  | 7767.86 | 32.54           | 32.30  | 269.91 | -100.52         | -141.91  | 1355.75      | 1291.13  | 20.98      |         |
| 9200.00   | 7765.73 | 8819.71  | 7765.76 | 34.44           | 34.27  | 269.91 | -100.94         | -241.89  | 1355.81      | 1287.30  | 19.79      |         |
| 9300.00   | 7763.62 | 8919.71  | 7763.66 | 36.46           | 36.34  | 269.91 | -101.36         | -341.87  | 1355.87      | 1283.27  | 18.68      |         |
| 9400.00   | 7761.52 | 9019.71  | 7761.56 | 38.56           | 38.49  | 269.91 | -101.78         | -441.84  | 1355.93      | 1279.05  | 17.64      |         |
| 9500.00   | 7759.41 | 9119.71  | 7759.46 | 40.74           | 40.71  | 269.91 | -102.20         | -541.82  | 1355.99      | 1274.69  | 16.68      |         |
| 9600.00   | 7757.31 | 9219.71  | 7757.36 | 42.99           | 43.00  | 269.91 | -102.61         | -641.80  | 1356.05      | 1270.20  | 15.80      |         |
| 9700.00   | 7755.20 | 9319.71  | 7755.25 | 45.29           | 45.34  | 269.91 | -103.03         | -741.78  | 1356.11      | 1265.61  | 14.98      |         |
| 9800.00   | 7753.10 | 9419.71  | 7753.15 | 47.64           | 47.72  | 269.91 | -103.45         | -841.75  | 1356.16      | 1260.92  | 14.24      |         |
| 9900.00   | 7750.99 | 9519.71  | 7751.05 | 50.03           | 50.14  | 269.91 | -103.87         | -941.73  | 1356.22      | 1256.16  | 13.55      |         |
| 10000.00  | 7748.88 | 9619.71  | 7748.95 | 52.46           | 52.60  | 269.91 | -104.29         | -1041.71 | 1356.28      | 1251.33  | 12.92      |         |
| 10100.00  | 7746.78 | 9719.71  | 7746.85 | 54.92           | 55.08  | 269.91 | -104.70         | -1141.68 | 1356.34      | 1246.44  | 12.34      |         |
| 10200.00  | 7744.67 | 9819.71  | 7744.75 | 57.41           | 57.59  | 269.91 | -105.12         | -1241.66 | 1356.40      | 1241.50  | 11.81      |         |
| 10300.00  | 7742.57 | 9919.71  | 7742.64 | 59.91           | 60.11  | 269.91 | -105.54         | -1341.64 | 1356.46      | 1236.52  | 11.31      |         |
| 10400.00  | 7740.46 | 10019.71 | 7740.54 | 62.44           | 62.66  | 269.91 | -105.96         | -1441.61 | 1356.52      | 1231.50  | 10.85      |         |
| 10500.00  | 7738.35 | 10119.71 | 7738.44 | 64.99           | 65.22  | 269.91 | -106.38         | -1541.59 | 1356.58      | 1226.44  | 10.42      |         |
| 10600.00  | 7736.25 | 10219.71 | 7736.34 | 67.56           | 67.80  | 269.91 | -106.79         | -1641.57 | 1356.64      | 1221.35  | 10.03      |         |
| 10700.00  | 7734.14 | 10319.71 | 7734.24 | 70.13           | 70.39  | 269.91 | -107.21         | -1741.55 | 1356.70      | 1216.24  | 9.66       |         |
| 10800.00  | 7732.04 | 10419.71 | 7732.14 | 72.72           | 73.00  | 269.91 | -107.63         | -1841.52 | 1356.76      | 1211.10  | 9.31       |         |
| 10900.00  | 7729.93 | 10519.71 | 7730.03 | 75.33           | 75.61  | 269.91 | -108.05         | -1941.50 | 1356.82      | 1205.94  | 8.99       |         |
| 11000.00  | 7727.82 | 10619.71 | 7727.93 | 77.94           | 78.23  | 269.91 | -108.47         | -2041.48 | 1356.88      | 1200.76  | 8.69       |         |
| 11100.00  | 7725.72 | 10719.71 | 7725.83 | 80.56           | 80.86  | 269.91 | -108.88         | -2141.45 | 1356.94      | 1195.56  | 8.41       |         |
| 11200.00  | 7723.61 | 10819.71 | 7723.73 | 83.19           | 83.50  | 269.91 | -109.30         | -2241.43 | 1356.99      | 1190.35  | 8.14       |         |
| 11300.00  | 7721.51 | 10919.71 | 7721.63 | 85.83           | 86.15  | 269.91 | -109.72         | -2341.41 | 1357.05      | 1185.12  | 7.89       |         |
| 11400.00  | 7719.40 | 11019.71 | 7719.53 | 88.48           | 88.80  | 269.91 | -110.14         | -2441.38 | 1357.11      | 1179.88  | 7.66       |         |
| 11500.00  | 7717.29 | 11119.71 | 7717.42 | 91.13           | 91.46  | 269.91 | -110.56         | -2541.36 | 1357.17      | 1174.63  | 7.43       |         |
| 11600.00  | 7715.19 | 11219.71 | 7715.32 | 93.79           | 94.13  | 269.91 | -110.97         | -2641.34 | 1357.23      | 1169.36  | 7.22       |         |
| 11700.00  | 7713.08 | 11319.71 | 7713.22 | 96.45           | 96.80  | 269.91 | -111.39         | -2741.32 | 1357.29      | 1164.09  | 7.03       |         |
| 11800.00  | 7710.98 | 11419.71 | 7711.12 | 99.12           | 99.47  | 269.91 | -111.81         | -2841.29 | 1357.35      | 1158.80  | 6.84       |         |
| 11900.00  | 7708.87 | 11519.71 | 7709.02 | 101.79          | 102.15 | 269.91 | -112.23         | -2941.27 | 1357.41      | 1153.51  | 6.66       |         |
| 12000.00  | 7706.76 | 11619.71 | 7706.92 | 104.47          | 104.83 | 269.91 | -112.65         | -3041.25 | 1357.47      | 1148.21  | 6.49       |         |
| 12100.00  | 7704.66 | 11719.71 | 7704.81 | 107.15          | 107.51 | 269.91 | -113.06         | -3141.22 | 1357.53      | 1142.90  | 6.33       |         |



# Weatherford Anticollision Report



Weatherford

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 4

Co-ordinate(N/E) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #11H  
Well: Spud 16 State #11H  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference MD | TVD ft  | Offset MD | TVD ft  | Semi-Major Axis Ref | Offset ft | TFO-HS deg | Offset Location North | East     | Ctr-Ctr Edge Distance | Separation Distance | Factor | Warning |
|--------------|---------|-----------|---------|---------------------|-----------|------------|-----------------------|----------|-----------------------|---------------------|--------|---------|
| 12200.00     | 7702.55 | 11819.71  | 7702.71 | 109.83              | 110.20    | 269.91     | -113.48               | -3241.20 | 1357.59               | 1137.59             | 6.17   |         |
| 12300.00     | 7700.45 | 11919.71  | 7700.61 | 112.52              | 112.89    | 269.91     | -113.90               | -3341.18 | 1357.65               | 1132.27             | 6.02   |         |
| 12400.00     | 7698.34 | 12019.71  | 7698.51 | 115.21              | 115.59    | 269.91     | -114.32               | -3441.16 | 1357.71               | 1126.94             | 5.88   |         |
| 12500.00     | 7696.23 | 12119.71  | 7696.41 | 117.90              | 118.29    | 269.91     | -114.74               | -3541.13 | 1357.77               | 1121.61             | 5.75   |         |
| 12600.00     | 7694.13 | 12219.70  | 7694.31 | 120.60              | 120.99    | 269.91     | -115.15               | -3641.11 | 1357.82               | 1116.27             | 5.62   |         |
| 12700.00     | 7692.02 | 12319.70  | 7692.20 | 123.29              | 123.69    | 269.91     | -115.57               | -3741.09 | 1357.88               | 1110.93             | 5.50   |         |
| 12800.00     | 7689.92 | 12419.70  | 7690.10 | 126.00              | 126.39    | 269.91     | -115.99               | -3841.06 | 1357.94               | 1105.58             | 5.38   |         |
| 12900.00     | 7687.81 | 12519.70  | 7688.00 | 128.70              | 129.10    | 269.91     | -116.41               | -3941.04 | 1358.00               | 1100.23             | 5.27   |         |
| 13000.00     | 7685.70 | 12619.70  | 7685.90 | 131.40              | 131.81    | 269.91     | -116.83               | -4041.02 | 1358.06               | 1094.88             | 5.16   |         |
| 13100.00     | 7683.60 | 12719.70  | 7683.80 | 134.11              | 134.52    | 269.91     | -117.24               | -4140.99 | 1358.12               | 1089.52             | 5.06   |         |
| 13200.00     | 7681.49 | 12819.70  | 7681.70 | 136.82              | 137.23    | 269.91     | -117.66               | -4240.97 | 1358.18               | 1084.16             | 4.96   |         |
| 13270.85     | 7680.00 | 12890.56  | 7680.21 | 138.74              | 139.15    | 269.91     | -117.96               | -4311.81 | 1358.22               | 1080.36             | 4.89   |         |

Site: Spud 16 State #12  
Well: Spud 16 State #12  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference MD | TVD ft  | Offset MD | TVD ft  | Semi-Major Axis Ref | Offset ft | TFO-HS deg | Offset Location North | East  | Ctr-Ctr Edge Distance | Separation Distance | Factor   | Warning |
|--------------|---------|-----------|---------|---------------------|-----------|------------|-----------------------|-------|-----------------------|---------------------|----------|---------|
| 0.00         | 0.00    | 2.00      | -2.00   | 0.00                | 0.00      | 180.13     | -100.00               | -0.22 | 100.00                | 100.00              | 59321.09 |         |
| 100.00       | 100.00  | 98.00     | 98.00   | 0.08                | 0.08      | 180.13     | -100.00               | -0.22 | 100.00                | 99.83               | 599.20   |         |
| 200.00       | 200.00  | 198.00    | 198.00  | 0.31                | 0.30      | 180.13     | -100.00               | -0.22 | 100.00                | 99.39               | 162.97   |         |
| 300.00       | 300.00  | 298.00    | 298.00  | 0.53                | 0.53      | 180.13     | -100.00               | -0.22 | 100.00                | 98.94               | 94.06    |         |
| 400.00       | 400.00  | 398.00    | 398.00  | 0.76                | 0.75      | 180.13     | -100.00               | -0.22 | 100.00                | 98.49               | 66.11    |         |
| 500.00       | 500.00  | 498.00    | 498.00  | 0.98                | 0.98      | 180.13     | -100.00               | -0.22 | 100.00                | 98.04               | 50.96    |         |
| 600.00       | 600.00  | 598.00    | 598.00  | 1.21                | 1.20      | 180.13     | -100.00               | -0.22 | 100.00                | 97.59               | 41.46    |         |
| 700.00       | 700.00  | 698.00    | 698.00  | 1.43                | 1.43      | 180.13     | -100.00               | -0.22 | 100.00                | 97.14               | 34.95    |         |
| 800.00       | 800.00  | 798.00    | 798.00  | 1.66                | 1.65      | 180.13     | -100.00               | -0.22 | 100.00                | 96.69               | 30.20    |         |
| 900.00       | 900.00  | 898.00    | 898.00  | 1.88                | 1.88      | 180.13     | -100.00               | -0.22 | 100.00                | 96.24               | 26.59    |         |
| 1000.00      | 1000.00 | 998.00    | 998.00  | 2.11                | 2.10      | 180.13     | -100.00               | -0.22 | 100.00                | 95.79               | 23.75    |         |
| 1100.00      | 1100.00 | 1098.00   | 1098.00 | 2.33                | 2.33      | 180.13     | -100.00               | -0.22 | 100.00                | 95.34               | 21.46    |         |
| 1200.00      | 1200.00 | 1198.00   | 1198.00 | 2.56                | 2.55      | 180.13     | -100.00               | -0.22 | 100.00                | 94.89               | 19.57    |         |
| 1300.00      | 1300.00 | 1298.00   | 1298.00 | 2.78                | 2.78      | 180.13     | -100.00               | -0.22 | 100.00                | 94.44               | 17.99    |         |
| 1400.00      | 1400.00 | 1398.00   | 1398.00 | 3.01                | 3.00      | 180.13     | -100.00               | -0.22 | 100.00                | 93.99               | 16.64    |         |
| 1500.00      | 1500.00 | 1498.00   | 1498.00 | 3.23                | 3.23      | 180.13     | -100.00               | -0.22 | 100.00                | 93.54               | 15.49    |         |
| 1600.00      | 1600.00 | 1598.00   | 1598.00 | 3.46                | 3.45      | 180.13     | -100.00               | -0.22 | 100.00                | 93.09               | 14.48    |         |
| 1700.00      | 1700.00 | 1698.00   | 1698.00 | 3.68                | 3.68      | 180.13     | -100.00               | -0.22 | 100.00                | 92.64               | 13.59    |         |
| 1800.00      | 1800.00 | 1798.00   | 1798.00 | 3.91                | 3.90      | 180.13     | -100.00               | -0.22 | 100.00                | 92.19               | 12.81    |         |
| 1900.00      | 1900.00 | 1898.00   | 1898.00 | 4.13                | 4.13      | 180.13     | -100.00               | -0.22 | 100.00                | 91.74               | 12.11    |         |
| 2000.00      | 2000.00 | 1998.00   | 1998.00 | 4.35                | 4.35      | 180.13     | -100.00               | -0.22 | 100.00                | 91.30               | 11.49    |         |
| 2100.00      | 2100.00 | 2098.00   | 2098.00 | 4.58                | 4.58      | 180.13     | -100.00               | -0.22 | 100.00                | 90.85               | 10.92    |         |
| 2200.00      | 2200.00 | 2198.00   | 2198.00 | 4.80                | 4.80      | 180.13     | -100.00               | -0.22 | 100.00                | 90.40               | 10.41    |         |
| 2300.00      | 2300.00 | 2298.00   | 2298.00 | 5.03                | 5.02      | 180.13     | -100.00               | -0.22 | 100.00                | 89.95               | 9.95     |         |
| 2400.00      | 2400.00 | 2398.00   | 2398.00 | 5.25                | 5.25      | 180.13     | -100.00               | -0.22 | 100.00                | 89.50               | 9.52     |         |
| 2500.00      | 2500.00 | 2498.00   | 2498.00 | 5.48                | 5.47      | 180.13     | -100.00               | -0.22 | 100.00                | 89.05               | 9.13     |         |
| 2600.00      | 2600.00 | 2598.00   | 2598.00 | 5.70                | 5.70      | 180.13     | -100.00               | -0.22 | 100.00                | 88.60               | 8.77     |         |
| 2700.00      | 2700.00 | 2698.00   | 2698.00 | 5.93                | 5.92      | 180.13     | -100.00               | -0.22 | 100.00                | 88.15               | 8.44     |         |
| 2800.00      | 2800.00 | 2798.00   | 2798.00 | 6.15                | 6.15      | 180.13     | -100.00               | -0.22 | 100.00                | 87.70               | 8.13     |         |
| 2900.00      | 2900.00 | 2898.00   | 2898.00 | 6.38                | 6.37      | 180.13     | -100.00               | -0.22 | 100.00                | 87.25               | 7.84     |         |
| 3000.00      | 3000.00 | 2998.00   | 2998.00 | 6.60                | 6.60      | 180.13     | -100.00               | -0.22 | 100.00                | 86.80               | 7.58     |         |
| 3100.00      | 3100.00 | 3098.00   | 3098.00 | 6.83                | 6.82      | 180.13     | -100.00               | -0.22 | 100.00                | 86.35               | 7.33     |         |
| 3200.00      | 3200.00 | 3198.00   | 3198.00 | 7.05                | 7.05      | 180.13     | -100.00               | -0.22 | 100.00                | 85.90               | 7.09     |         |



# Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013 Time: 09:28:53 Page: 5  
Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #12  
Well: Spud 16 State #12  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference MD | Reference TVD | Offset MD | Offset TVD | Semi-Major Axis Ref | Semi-Major Axis Offset | TFO-HS deg | Offset Location North | Offset Location East | Ctr-Ctr Distance | Edge Distance | Separation Factor | Warning |
|--------------|---------------|-----------|------------|---------------------|------------------------|------------|-----------------------|----------------------|------------------|---------------|-------------------|---------|
| 3300.00      | 3300.00       | 3298.00   | 3298.00    | 7.28                | 7.27                   | 180.13     | -100.00               | -0.22                | 100.00           | 85.45         | 6.87              |         |
| 3400.00      | 3400.00       | 3398.00   | 3398.00    | 7.50                | 7.50                   | 180.13     | -100.00               | -0.22                | 100.00           | 85.00         | 6.67              |         |
| 3500.00      | 3500.00       | 3498.00   | 3498.00    | 7.73                | 7.72                   | 180.13     | -100.00               | -0.22                | 100.00           | 84.55         | 6.47              |         |
| 3600.00      | 3600.00       | 3598.00   | 3598.00    | 7.95                | 7.95                   | 180.13     | -100.00               | -0.22                | 100.00           | 84.10         | 6.29              |         |
| 3700.00      | 3700.00       | 3698.00   | 3698.00    | 8.18                | 8.17                   | 180.13     | -100.00               | -0.22                | 100.00           | 83.65         | 6.12              |         |
| 3800.00      | 3800.00       | 3798.00   | 3798.00    | 8.40                | 8.40                   | 180.13     | -100.00               | -0.22                | 100.00           | 83.20         | 5.95              |         |
| 3900.00      | 3900.00       | 3898.00   | 3898.00    | 8.63                | 8.62                   | 180.13     | -100.00               | -0.22                | 100.00           | 82.75         | 5.80              |         |
| 4000.00      | 4000.00       | 3998.00   | 3998.00    | 8.85                | 8.85                   | 180.13     | -100.00               | -0.22                | 100.00           | 82.30         | 5.65              |         |
| 4100.00      | 4100.00       | 4098.00   | 4098.00    | 9.07                | 9.07                   | 180.13     | -100.00               | -0.22                | 100.00           | 81.85         | 5.51              |         |
| 4200.00      | 4200.00       | 4198.00   | 4198.00    | 9.30                | 9.30                   | 180.13     | -100.00               | -0.22                | 100.00           | 81.41         | 5.38              |         |
| 4300.00      | 4300.00       | 4298.00   | 4298.00    | 9.52                | 9.52                   | 180.13     | -100.00               | -0.22                | 100.00           | 80.96         | 5.25              |         |
| 4400.00      | 4400.00       | 4398.00   | 4398.00    | 9.75                | 9.74                   | 180.13     | -100.00               | -0.22                | 100.00           | 80.51         | 5.13              |         |
| 4500.00      | 4500.00       | 4498.00   | 4498.00    | 9.97                | 9.97                   | 180.13     | -100.00               | -0.22                | 100.00           | 80.06         | 5.01              |         |
| 4600.00      | 4600.00       | 4598.00   | 4598.00    | 10.20               | 10.19                  | 180.13     | -100.00               | -0.22                | 100.00           | 79.61         | 4.90              |         |
| 4700.00      | 4700.00       | 4698.00   | 4698.00    | 10.42               | 10.42                  | 180.13     | -100.00               | -0.22                | 100.00           | 79.16         | 4.80              |         |
| 4800.00      | 4800.00       | 4798.00   | 4798.00    | 10.65               | 10.64                  | 180.13     | -100.00               | -0.22                | 100.00           | 78.71         | 4.70              |         |
| 4900.00      | 4900.00       | 4898.00   | 4898.00    | 10.87               | 10.87                  | 180.13     | -100.00               | -0.22                | 100.00           | 78.26         | 4.60              |         |
| 5000.00      | 5000.00       | 4998.00   | 4998.00    | 11.10               | 11.09                  | 180.13     | -100.00               | -0.22                | 100.00           | 77.81         | 4.51              |         |
| 5100.00      | 5100.00       | 5098.00   | 5098.00    | 11.32               | 11.32                  | 180.13     | -100.00               | -0.22                | 100.00           | 77.36         | 4.42              |         |
| 5200.00      | 5200.00       | 5198.00   | 5198.00    | 11.55               | 11.54                  | 180.13     | -100.00               | -0.22                | 100.00           | 76.91         | 4.33              |         |
| 5300.00      | 5300.00       | 5298.00   | 5298.00    | 11.77               | 11.77                  | 180.13     | -100.00               | -0.22                | 100.00           | 76.46         | 4.25              |         |
| 5330.00      | 5330.00       | 5328.00   | 5328.00    | 11.84               | 11.84                  | 180.13     | -100.00               | -0.22                | 100.00           | 76.33         | 4.22              |         |
| 5400.00      | 5399.98       | 5397.98   | 5397.98    | 11.99               | 11.99                  | 135.80     | -100.00               | -0.22                | 100.92           | 76.93         | 4.21              |         |
| 5500.00      | 5499.78       | 5497.78   | 5497.78    | 12.21               | 12.22                  | 138.08     | -100.00               | -0.22                | 105.51           | 81.10         | 4.32              |         |
| 5600.00      | 5599.10       | 5594.75   | 5594.74    | 12.43               | 12.42                  | 141.21     | -100.76               | 0.57                 | 115.02           | 90.23         | 4.64              |         |
| 5700.00      | 5697.69       | 5689.60   | 5689.42    | 12.65               | 12.59                  | 143.35     | -104.60               | 4.60                 | 131.72           | 106.61        | 5.25              |         |
| 5800.00      | 5795.27       | 5782.76   | 5782.02    | 12.89               | 12.76                  | 144.43     | -111.54               | 11.86                | 155.44           | 130.03        | 6.12              |         |
| 5900.00      | 5891.58       | 5873.59   | 5871.74    | 13.14               | 12.93                  | 144.69     | -121.29               | 22.06                | 185.87           | 160.17        | 7.23              |         |
| 6000.00      | 5986.34       | 5961.53   | 5957.86    | 13.43               | 13.10                  | 144.39     | -133.54               | 34.88                | 222.70           | 196.71        | 8.57              |         |
| 6100.00      | 6079.31       | 6046.11   | 6039.85    | 13.75               | 13.29                  | 143.73     | -147.88               | 49.89                | 265.64           | 239.35        | 10.11             |         |
| 6200.00      | 6170.22       | 6126.95   | 6117.28    | 14.12               | 13.48                  | 142.82     | -163.93               | 66.68                | 314.36           | 287.76        | 11.82             |         |
| 6300.00      | 6258.83       | 6203.78   | 6189.89    | 14.54               | 13.68                  | 141.72     | -181.26               | 84.82                | 368.52           | 341.56        | 13.67             |         |
| 6400.00      | 6344.90       | 6276.39   | 6257.54    | 15.04               | 13.90                  | 140.48     | -199.48               | 103.89               | 427.76           | 400.38        | 15.62             |         |
| 6500.00      | 6428.18       | 6344.67   | 6320.19    | 15.62               | 14.13                  | 139.09     | -218.23               | 123.51               | 491.70           | 463.83        | 17.64             |         |
| 6600.00      | 6508.45       | 6408.56   | 6377.90    | 16.29               | 14.37                  | 137.54     | -237.16               | 143.32               | 559.97           | 531.52        | 19.68             |         |
| 6700.00      | 6585.49       | 6468.07   | 6430.81    | 17.06               | 14.62                  | 135.81     | -255.98               | 163.02               | 632.19           | 603.02        | 21.67             |         |
| 6800.00      | 6659.10       | 6523.26   | 6479.08    | 17.93               | 14.87                  | 133.86     | -274.45               | 182.35               | 707.99           | 677.97        | 23.58             |         |
| 6900.00      | 6729.05       | 6574.20   | 6522.95    | 18.91               | 15.13                  | 131.66     | -292.34               | 201.07               | 787.02           | 755.96        | 25.34             |         |
| 6914.36      | 6738.79       | 6581.17   | 6528.90    | 19.06               | 15.17                  | 131.32     | -294.85               | 203.70               | 798.61           | 767.39        | 25.58             |         |
| 7000.00      | 6796.61       | 6621.98   | 6563.45    | 19.98               | 15.40                  | 131.84     | -309.85               | 219.40               | 868.20           | 836.16        | 27.09             |         |
| 7100.00      | 6864.13       | 6668.32   | 6602.11    | 21.11               | 15.68                  | 132.26     | -327.50               | 237.87               | 950.14           | 917.07        | 28.73             |         |
| 7200.00      | 6931.65       | 6713.24   | 6638.98    | 22.29               | 15.96                  | 132.52     | -345.22               | 256.42               | 1032.75          | 998.61        | 30.25             |         |
| 7300.00      | 6999.17       | 6756.77   | 6674.13    | 23.50               | 16.27                  | 132.67     | -362.96               | 274.98               | 1116.00          | 1080.72       | 31.63             |         |
| 7400.00      | 7066.69       | 6800.00   | 6708.45    | 24.75               | 16.57                  | 132.71     | -381.12               | 293.99               | 1199.85          | 1163.39       | 32.91             |         |
| 7500.00      | 7134.21       | 6839.72   | 6739.46    | 26.03               | 16.90                  | 132.69     | -398.28               | 311.94               | 1284.26          | 1246.58       | 34.08             |         |
| 7534.48      | 7157.49       | 6853.49   | 6750.07    | 26.48               | 17.01                  | 132.67     | -404.32               | 318.27               | 1313.49          | 1275.38       | 34.47             |         |
| 7550.00      | 7168.06       | 6859.59   | 6754.76    | 26.65               | 17.06                  | 136.68     | -407.02               | 321.10               | 1326.70          | 1288.96       | 35.15             |         |
| 7600.00      | 7203.27       | 6878.41   | 6769.14    | 27.07               | 17.22                  | 150.27     | -415.41               | 329.87               | 1369.60          | 1333.25       | 37.68             |         |
| 7650.00      | 7240.00       | 6900.00   | 6785.49    | 27.31               | 17.39                  | 164.43     | -425.15               | 340.07               | 1412.77          | 1377.75       | 40.34             |         |
| 7700.00      | 7277.91       | 6911.48   | 6794.12    | 27.35               | 17.50                  | 179.17     | -430.38               | 345.55               | 1455.85          | 1421.87       | 42.85             |         |
| 7750.00      | 7316.64       | 6925.40   | 6804.53    | 27.20               | 17.63                  | 193.61     | -436.78               | 352.24               | 1498.55          | 1465.00       | 44.66             |         |



# Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 6

Co-ordinate(N/E) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #12  
Well: Spud 16 State #12  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference<br>MD<br>ft | TVD<br>ft | Offset<br>MD<br>ft | TVD<br>ft | Semi-Major Axis<br>Ref<br>ft | Offset<br>ft | TFO-HS<br>deg | Offset Location<br>North<br>ft | East<br>ft | Ctr-Ctr Edge<br>Distance<br>ft | Separation<br>Distance<br>ft | Factor | Warning |
|-----------------------|-----------|--------------------|-----------|------------------------------|--------------|---------------|--------------------------------|------------|--------------------------------|------------------------------|--------|---------|
| 7800.00               | 7355.84   | 6937.43            | 6813.46   | 26.86                        | 17.75        | 207.53        | -442.34                        | 358.06     | 1540.59                        | 1506.96                      | 45.81  |         |
| 7850.00               | 7395.15   | 6947.49            | 6820.89   | 26.33                        | 17.84        | 220.64        | -447.02                        | 362.96     | 1581.70                        | 1547.71                      | 46.54  |         |
| 7900.00               | 7434.21   | 6955.55            | 6826.82   | 25.63                        | 17.92        | 232.73        | -450.80                        | 366.91     | 1621.63                        | 1587.24                      | 47.16  |         |
| 7950.00               | 7472.66   | 6961.63            | 6831.28   | 24.79                        | 17.97        | 243.64        | -453.65                        | 369.90     | 1660.16                        | 1625.46                      | 47.85  |         |
| 8000.00               | 7510.14   | 6965.75            | 6834.29   | 23.84                        | 18.01        | 253.31        | -455.60                        | 371.93     | 1697.07                        | 1662.23                      | 48.72  |         |
| 8050.00               | 7546.31   | 6967.97            | 6835.91   | 22.84                        | 18.03        | 261.77        | -456.64                        | 373.03     | 1732.15                        | 1697.35                      | 49.78  |         |
| 8100.00               | 7580.84   | 6968.35            | 6836.19   | 21.92                        | 18.04        | 269.08        | -456.82                        | 373.22     | 1765.20                        | 1730.60                      | 51.02  |         |
| 8150.00               | 7613.40   | 6966.99            | 6835.19   | 21.31                        | 18.02        | 275.35        | -456.18                        | 372.54     | 1796.06                        | 1761.76                      | 52.37  |         |
| 8200.00               | 7643.70   | 6963.98            | 6832.99   | 21.12                        | 18.00        | 280.68        | -454.76                        | 371.06     | 1824.53                        | 1790.60                      | 53.77  |         |
| 8250.00               | 7671.47   | 6959.42            | 6829.66   | 21.26                        | 17.95        | 285.20        | -452.61                        | 368.81     | 1850.47                        | 1816.89                      | 55.11  |         |
| 8300.00               | 7696.43   | 6953.42            | 6825.26   | 21.56                        | 17.90        | 289.00        | -449.80                        | 365.87     | 1873.73                        | 1840.44                      | 56.28  |         |
| 8350.00               | 7718.37   | 6946.10            | 6819.86   | 21.98                        | 17.83        | 292.16        | -446.37                        | 362.28     | 1894.17                        | 1861.04                      | 57.17  |         |
| 8400.00               | 7737.08   | 6937.55            | 6813.54   | 22.49                        | 17.75        | 294.76        | -442.39                        | 358.12     | 1911.67                        | 1878.53                      | 57.68  |         |
| 8450.00               | 7752.40   | 6927.88            | 6806.37   | 23.07                        | 17.66        | 296.86        | -437.92                        | 353.43     | 1926.12                        | 1892.78                      | 57.77  |         |
| 8500.00               | 7764.16   | 6917.21            | 6798.42   | 23.71                        | 17.56        | 298.50        | -433.01                        | 348.29     | 1937.43                        | 1903.69                      | 57.43  |         |
| 8550.00               | 7772.28   | 6900.00            | 6785.49   | 24.41                        | 17.39        | 299.88        | -425.15                        | 340.07     | 1945.53                        | 1911.27                      | 56.79  |         |
| 8600.00               | 7776.68   | 6900.00            | 6785.49   | 25.14                        | 17.39        | 300.37        | -425.15                        | 340.07     | 1950.34                        | 1915.24                      | 55.56  |         |
| 8647.29               | 7777.37   | 6880.90            | 6771.04   | 25.85                        | 17.24        | 300.98        | -416.53                        | 331.04     | 1951.79                        | 1915.95                      | 54.46  |         |
| 8700.00               | 7776.26   | 6866.91            | 6760.37   | 26.42                        | 17.12        | 301.34        | -410.27                        | 324.50     | 1952.38                        | 1916.28                      | 54.09  |         |
| 8800.00               | 7774.15   | 6840.98            | 6740.43   | 27.67                        | 16.91        | 302.00        | -398.83                        | 312.52     | 1956.91                        | 1920.15                      | 53.23  |         |
| 8900.00               | 7772.05   | 6800.00            | 6708.45   | 29.13                        | 16.57        | 303.07        | -381.12                        | 293.99     | 1966.03                        | 1928.53                      | 52.42  |         |
| 8997.29               | 7770.00   | 6800.00            | 6708.45   | 30.71                        | 16.57        | 303.07        | -381.12                        | 293.99     | 1978.95                        | 1940.24                      | 51.13  |         |
| 9000.00               | 7769.94   | 6800.00            | 6708.45   | 30.76                        | 16.57        | 303.07        | -381.12                        | 293.99     | 1979.38                        | 1940.63                      | 51.09  |         |
| 9100.00               | 7767.84   | 6767.82            | 6682.96   | 32.54                        | 16.35        | 303.90        | -367.55                        | 279.79     | 1997.14                        | 1957.28                      | 50.10  |         |
| 9200.00               | 7765.73   | 6744.87            | 6664.59   | 34.44                        | 16.18        | 304.50        | -358.06                        | 269.85     | 2019.22                        | 1978.05                      | 49.04  |         |
| 9300.00               | 7763.62   | 6722.61            | 6646.60   | 36.46                        | 16.03        | 305.08        | -348.99                        | 260.37     | 2045.47                        | 2002.89                      | 48.04  |         |
| 9400.00               | 7761.52   | 6700.00            | 6628.18   | 38.56                        | 15.87        | 305.66        | -339.94                        | 250.89     | 2075.74                        | 2031.68                      | 47.11  |         |
| 9500.00               | 7759.41   | 6700.00            | 6628.18   | 40.74                        | 15.87        | 305.66        | -339.94                        | 250.89     | 2110.08                        | 2064.27                      | 46.07  |         |
| 9600.00               | 7757.31   | 6659.68            | 6594.95   | 42.99                        | 15.62        | 306.71        | -324.16                        | 234.38     | 2147.73                        | 2100.50                      | 45.47  |         |
| 9700.00               | 7755.20   | 6639.92            | 6578.49   | 45.29                        | 15.50        | 307.22        | -316.61                        | 226.47     | 2189.12                        | 2140.24                      | 44.79  |         |
| 9800.00               | 7753.10   | 6600.00            | 6544.90   | 47.64                        | 15.26        | 308.24        | -301.71                        | 210.88     | 2234.06                        | 2183.72                      | 44.38  |         |
| 9900.00               | 7750.99   | 6600.00            | 6544.90   | 50.03                        | 15.26        | 308.24        | -301.71                        | 210.88     | 2281.76                        | 2229.51                      | 43.67  |         |
| 10000.00              | 7748.88   | 6600.00            | 6544.90   | 52.46                        | 15.26        | 308.24        | -301.71                        | 210.88     | 2332.77                        | 2278.59                      | 43.05  |         |
| 10100.00              | 7746.78   | 6566.32            | 6516.21   | 54.92                        | 15.09        | 309.10        | -289.52                        | 198.12     | 2386.36                        | 2330.62                      | 42.82  |         |
| 10200.00              | 7744.67   | 6549.20            | 6501.51   | 57.41                        | 15.01        | 309.54        | -283.46                        | 191.78     | 2442.70                        | 2385.21                      | 42.49  |         |
| 10300.00              | 7742.57   | 6532.55            | 6487.14   | 59.91                        | 14.92        | 309.96        | -277.65                        | 185.70     | 2501.51                        | 2442.27                      | 42.23  |         |
| 10400.00              | 7740.46   | 6500.00            | 6458.83   | 62.44                        | 14.76        | 310.77        | -266.55                        | 174.08     | 2562.75                        | 2501.99                      | 42.17  |         |
| 10500.00              | 7738.35   | 6500.00            | 6458.83   | 64.99                        | 14.76        | 310.77        | -266.55                        | 174.08     | 2625.91                        | 2563.16                      | 41.84  |         |
| 10600.00              | 7736.25   | 10698.89           | 7736.52   | 67.56                        | 68.23        | 269.95        | -1426.78                       | -1636.05   | 2676.64                        | 2540.98                      | 19.73  |         |
| 10700.00              | 7734.14   | 10798.89           | 7734.42   | 70.13                        | 70.81        | 269.95        | -1427.20                       | -1736.03   | 2676.70                        | 2535.87                      | 19.01  |         |
| 10800.00              | 7732.04   | 10898.89           | 7732.32   | 72.72                        | 73.41        | 269.95        | -1427.62                       | -1836.01   | 2676.76                        | 2530.73                      | 18.33  |         |
| 10900.00              | 7729.93   | 10998.89           | 7730.22   | 75.33                        | 76.02        | 269.95        | -1428.04                       | -1935.98   | 2676.82                        | 2525.58                      | 17.70  |         |
| 11000.00              | 7727.82   | 11098.89           | 7728.12   | 77.94                        | 78.63        | 269.95        | -1428.45                       | -2035.96   | 2676.87                        | 2520.40                      | 17.11  |         |
| 11100.00              | 7725.72   | 11198.89           | 7726.02   | 80.56                        | 81.26        | 269.95        | -1428.87                       | -2135.94   | 2676.93                        | 2515.21                      | 16.55  |         |
| 11200.00              | 7723.61   | 11298.89           | 7723.92   | 83.19                        | 83.89        | 269.95        | -1429.29                       | -2235.91   | 2676.99                        | 2510.00                      | 16.03  |         |
| 11300.00              | 7721.51   | 11398.89           | 7721.81   | 85.83                        | 86.53        | 269.95        | -1429.71                       | -2335.89   | 2677.05                        | 2504.77                      | 15.54  |         |
| 11400.00              | 7719.40   | 11498.89           | 7719.71   | 88.48                        | 89.18        | 269.95        | -1430.13                       | -2435.87   | 2677.11                        | 2499.53                      | 15.08  |         |
| 11500.00              | 7717.29   | 11598.89           | 7717.61   | 91.13                        | 91.84        | 269.95        | -1430.55                       | -2535.84   | 2677.17                        | 2494.28                      | 14.64  |         |
| 11600.00              | 7715.19   | 11698.89           | 7715.51   | 93.79                        | 94.50        | 269.95        | -1430.96                       | -2635.82   | 2677.23                        | 2489.02                      | 14.22  |         |
| 11700.00              | 7713.08   | 11798.89           | 7713.41   | 96.45                        | 97.16        | 269.95        | -1431.38                       | -2735.80   | 2677.29                        | 2483.75                      | 13.83  |         |
| 11800.00              | 7710.98   | 11898.89           | 7711.31   | 99.12                        | 99.83        | 269.95        | -1431.80                       | -2835.78   | 2677.35                        | 2478.47                      | 13.46  |         |



# Weatherford Anticollision Report

**Weatherford**

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 7

Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #12  
Well: Spud 16 State #12  
Wellpath: 1 V0 Plan: Plan #2 V1

Inter-Site Error: 0.00 ft

| Reference |         | Offset   |         | Semi-Major Axis |        |        | Offset Location |          |          | Ctr-Ctr Edge |        | Separation | Warning |
|-----------|---------|----------|---------|-----------------|--------|--------|-----------------|----------|----------|--------------|--------|------------|---------|
| MD        | TVD     | MD       | TVD     | Ref             | Offset | TFO-HS | North           | East     | Distance | Distance     | Factor |            |         |
| ft        | ft      | ft       | ft      | ft              | ft     | deg    | ft              | ft       | ft       | ft           |        |            |         |
| 11900.00  | 7708.87 | 11998.89 | 7709.21 | 101.79          | 102.51 | 269.95 | -1432.22        | -2935.75 | 2677.41  | 2473.18      | 13.11  |            |         |
| 12000.00  | 7706.76 | 12098.89 | 7707.11 | 104.47          | 105.18 | 269.95 | -1432.64        | -3035.73 | 2677.47  | 2467.88      | 12.78  |            |         |
| 12100.00  | 7704.66 | 12198.89 | 7705.01 | 107.15          | 107.87 | 269.95 | -1433.05        | -3135.71 | 2677.53  | 2462.58      | 12.46  |            |         |
| 12200.00  | 7702.55 | 12298.89 | 7702.91 | 109.83          | 110.55 | 269.95 | -1433.47        | -3235.68 | 2677.59  | 2457.27      | 12.15  |            |         |
| 12300.00  | 7700.45 | 12398.89 | 7700.81 | 112.52          | 113.24 | 269.95 | -1433.89        | -3335.66 | 2677.65  | 2451.95      | 11.86  |            |         |
| 12400.00  | 7698.34 | 12498.89 | 7698.70 | 115.21          | 115.93 | 269.95 | -1434.31        | -3435.64 | 2677.71  | 2446.62      | 11.59  |            |         |
| 12500.00  | 7696.23 | 12598.89 | 7696.60 | 117.90          | 118.63 | 269.95 | -1434.73        | -3535.62 | 2677.77  | 2441.29      | 11.32  |            |         |
| 12600.00  | 7694.13 | 12698.89 | 7694.50 | 120.60          | 121.32 | 269.95 | -1435.14        | -3635.59 | 2677.82  | 2435.96      | 11.07  |            |         |
| 12700.00  | 7692.02 | 12798.89 | 7692.40 | 123.29          | 124.02 | 269.95 | -1435.56        | -3735.57 | 2677.88  | 2430.62      | 10.83  |            |         |
| 12800.00  | 7689.92 | 12898.89 | 7690.30 | 126.00          | 126.72 | 269.95 | -1435.98        | -3835.55 | 2677.94  | 2425.27      | 10.60  |            |         |
| 12900.00  | 7687.81 | 12998.89 | 7688.20 | 128.70          | 129.43 | 269.95 | -1436.40        | -3935.52 | 2678.00  | 2419.93      | 10.38  |            |         |
| 13000.00  | 7685.70 | 13098.89 | 7686.10 | 131.40          | 132.13 | 269.95 | -1436.82        | -4035.50 | 2678.06  | 2414.57      | 10.16  |            |         |
| 13100.00  | 7683.60 | 13198.89 | 7684.00 | 134.11          | 134.84 | 269.95 | -1437.23        | -4135.48 | 2678.12  | 2409.22      | 9.96   |            |         |
| 13200.00  | 7681.49 | 13298.89 | 7681.90 | 136.82          | 137.55 | 269.95 | -1437.65        | -4235.45 | 2678.18  | 2403.86      | 9.76   |            |         |
| 13270.85  | 7680.00 | 13369.74 | 7680.41 | 138.74          | 139.47 | 269.95 | -1437.95        | -4306.29 | 2678.22  | 2400.06      | 9.63   |            |         |

Site: Spud 16 State #9H  
Well: Spud 16 State #9H  
Wellpath: 1 V1

Inter-Site Error: 0.00 ft

| Reference |         | Offset  |         | Semi-Major Axis |        |        | Offset Location |          |          | Ctr-Ctr Edge |          | Separation | Warning |
|-----------|---------|---------|---------|-----------------|--------|--------|-----------------|----------|----------|--------------|----------|------------|---------|
| MD        | TVD     | MD      | TVD     | Ref             | Offset | TFO-HS | North           | East     | Distance | Distance     | Factor   |            |         |
| ft        | ft      | ft      | ft      | ft              | ft     | deg    | ft              | ft       | ft       | ft           |          |            |         |
| 0.00      | 0.00    | 6800.00 | 6797.88 | 0.00            | 0.00   | 233.11 | -920.77         | -1226.73 | 6975.61  |              |          | No Data    |         |
| 100.00    | 100.00  | 6800.00 | 6797.88 | 0.08            | 0.00   | 233.11 | -920.77         | -1226.73 | 6878.09  | 6878.00      | 81409.80 |            |         |
| 200.00    | 200.00  | 6800.00 | 6797.88 | 0.31            | 0.00   | 233.11 | -920.77         | -1226.73 | 6780.64  | 6780.33      | 21925.86 |            |         |
| 300.00    | 300.00  | 6800.00 | 6797.88 | 0.53            | 0.00   | 233.11 | -920.77         | -1226.73 | 6683.27  | 6682.74      | 12515.04 |            |         |
| 400.00    | 400.00  | 6800.00 | 6797.88 | 0.76            | 0.00   | 233.11 | -920.77         | -1226.73 | 6585.98  | 6585.22      | 8679.64  |            |         |
| 500.00    | 500.00  | 6800.00 | 6797.88 | 0.98            | 0.00   | 233.11 | -920.77         | -1226.73 | 6488.77  | 6487.79      | 6597.29  |            |         |
| 600.00    | 600.00  | 6800.00 | 6797.88 | 1.21            | 0.00   | 233.11 | -920.77         | -1226.73 | 6391.65  | 6390.44      | 5289.71  |            |         |
| 700.00    | 700.00  | 6800.00 | 6797.88 | 1.43            | 0.00   | 233.11 | -920.77         | -1226.73 | 6294.62  | 6293.19      | 4392.36  |            |         |
| 800.00    | 800.00  | 6800.00 | 6797.88 | 1.66            | 0.00   | 233.11 | -920.77         | -1226.73 | 6197.68  | 6196.02      | 3738.39  |            |         |
| 900.00    | 900.00  | 6800.00 | 6797.88 | 1.88            | 0.00   | 233.11 | -920.77         | -1226.73 | 6100.84  | 6098.96      | 3240.62  |            |         |
| 1000.00   | 1000.00 | 6800.00 | 6797.88 | 2.11            | 0.00   | 233.11 | -920.77         | -1226.73 | 6004.11  | 6002.00      | 2849.08  |            |         |
| 1100.00   | 1100.00 | 6800.00 | 6797.88 | 2.33            | 0.00   | 233.11 | -920.77         | -1226.73 | 5907.48  | 5905.15      | 2533.07  |            |         |
| 1200.00   | 1200.00 | 6800.00 | 6797.88 | 2.56            | 0.00   | 233.11 | -920.77         | -1226.73 | 5810.97  | 5808.41      | 2272.65  |            |         |
| 1300.00   | 1300.00 | 6800.00 | 6797.88 | 2.78            | 0.00   | 233.11 | -920.77         | -1226.73 | 5714.58  | 5711.79      | 2054.36  |            |         |
| 1400.00   | 1400.00 | 6800.00 | 6797.88 | 3.01            | 0.00   | 233.11 | -920.77         | -1226.73 | 5618.31  | 5615.30      | 1868.76  |            |         |
| 1500.00   | 1500.00 | 6800.00 | 6797.88 | 3.23            | 0.00   | 233.11 | -920.77         | -1226.73 | 5522.18  | 5518.95      | 1709.01  |            |         |
| 1600.00   | 1600.00 | 6800.00 | 6797.88 | 3.46            | 0.00   | 233.11 | -920.77         | -1226.73 | 5426.18  | 5422.73      | 1570.09  |            |         |
| 1700.00   | 1700.00 | 6800.00 | 6797.88 | 3.68            | 0.00   | 233.11 | -920.77         | -1226.73 | 5330.34  | 5326.66      | 1448.17  |            |         |
| 1800.00   | 1800.00 | 6800.00 | 6797.88 | 3.91            | 0.00   | 233.11 | -920.77         | -1226.73 | 5234.64  | 5230.74      | 1340.32  |            |         |
| 1900.00   | 1900.00 | 6800.00 | 6797.88 | 4.13            | 0.00   | 233.11 | -920.77         | -1226.73 | 5139.12  | 5134.99      | 1244.26  |            |         |
| 2000.00   | 2000.00 | 6800.00 | 6797.88 | 4.35            | 0.00   | 233.11 | -920.77         | -1226.73 | 5043.76  | 5039.41      | 1158.14  |            |         |
| 2100.00   | 2100.00 | 6800.00 | 6797.88 | 4.58            | 0.00   | 233.11 | -920.77         | -1226.73 | 4948.59  | 4944.01      | 1080.52  |            |         |
| 2200.00   | 2200.00 | 6800.00 | 6797.88 | 4.80            | 0.00   | 233.11 | -920.77         | -1226.73 | 4853.62  | 4848.81      | 1010.21  |            |         |
| 2300.00   | 2300.00 | 6800.00 | 6797.88 | 5.03            | 0.00   | 233.11 | -920.77         | -1226.73 | 4758.85  | 4753.82      | 946.22   |            |         |
| 2400.00   | 2400.00 | 6800.00 | 6797.88 | 5.25            | 0.00   | 233.11 | -920.77         | -1226.73 | 4664.30  | 4659.04      | 887.74   |            |         |
| 2500.00   | 2500.00 | 6800.00 | 6797.88 | 5.48            | 0.00   | 233.11 | -920.77         | -1226.73 | 4569.98  | 4564.50      | 834.11   |            |         |
| 2600.00   | 2600.00 | 6800.00 | 6797.88 | 5.70            | 0.00   | 233.11 | -920.77         | -1226.73 | 4475.90  | 4470.20      | 784.75   |            |         |
| 2700.00   | 2700.00 | 6800.00 | 6797.88 | 5.93            | 0.00   | 233.11 | -920.77         | -1226.73 | 4382.09  | 4376.16      | 739.17   |            |         |
| 2800.00   | 2800.00 | 6800.00 | 6797.88 | 6.15            | 0.00   | 233.11 | -920.77         | -1226.73 | 4288.56  | 4282.41      | 696.97   |            |         |
| 2900.00   | 2900.00 | 6800.00 | 6797.88 | 6.38            | 0.00   | 233.11 | -920.77         | -1226.73 | 4195.33  | 4188.95      | 657.79   |            |         |



# Weatherford Anticollision Report



Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013 Time: 09:28:53 Page: 8  
Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #9H  
Well: Spud 16 State #9H  
Wellpath: 1 V1

Inter-Site Error: 0.00 ft

| Reference MD | TVD     | Offset MD | TVD     | Semi-Major Axis Ref | Offset | TFO-HS | Offset Location North | East     | Ctr-Ctr Edge Distance | Separation Distance | Factor | Warning |
|--------------|---------|-----------|---------|---------------------|--------|--------|-----------------------|----------|-----------------------|---------------------|--------|---------|
| ft           | ft      | ft        | ft      | ft                  | ft     | deg    | ft                    | ft       | ft                    | ft                  |        |         |
| 3000.00      | 3000.00 | 6800.00   | 6797.88 | 6.60                | 0.00   | 233.11 | -920.77               | -1226.73 | 4102.41               | 4095.81             | 621.32 |         |
| 3100.00      | 3100.00 | 6800.00   | 6797.88 | 6.83                | 0.00   | 233.11 | -920.77               | -1226.73 | 4009.84               | 4003.01             | 587.31 |         |
| 3200.00      | 3200.00 | 6800.00   | 6797.88 | 7.05                | 0.00   | 233.11 | -920.77               | -1226.73 | 3917.63               | 3910.58             | 555.52 |         |
| 3300.00      | 3300.00 | 6800.00   | 6797.88 | 7.28                | 0.00   | 233.11 | -920.77               | -1226.73 | 3825.82               | 3818.54             | 525.74 |         |
| 3400.00      | 3400.00 | 6800.00   | 6797.88 | 7.50                | 0.00   | 233.11 | -920.77               | -1226.73 | 3734.42               | 3726.92             | 497.81 |         |
| 3500.00      | 3500.00 | 6800.00   | 6797.88 | 7.73                | 0.00   | 233.11 | -920.77               | -1226.73 | 3643.48               | 3635.75             | 471.55 |         |
| 3600.00      | 3600.00 | 6800.00   | 6797.88 | 7.95                | 0.00   | 233.11 | -920.77               | -1226.73 | 3553.02               | 3545.07             | 446.85 |         |
| 3700.00      | 3700.00 | 6800.00   | 6797.88 | 8.18                | 0.00   | 233.11 | -920.77               | -1226.73 | 3463.09               | 3454.91             | 423.56 |         |
| 3800.00      | 3800.00 | 6800.00   | 6797.88 | 8.40                | 0.00   | 233.11 | -920.77               | -1226.73 | 3373.72               | 3365.32             | 401.59 |         |
| 3900.00      | 3900.00 | 6800.00   | 6797.88 | 8.63                | 0.00   | 233.11 | -920.77               | -1226.73 | 3284.97               | 3276.34             | 380.84 |         |
| 4000.00      | 4000.00 | 6800.00   | 6797.88 | 8.85                | 0.00   | 233.11 | -920.77               | -1226.73 | 3196.88               | 3188.03             | 361.21 |         |
| 4100.00      | 4100.00 | 6800.00   | 6797.88 | 9.07                | 0.00   | 233.11 | -920.77               | -1226.73 | 3109.51               | 3100.44             | 342.64 |         |
| 4200.00      | 4200.00 | 6800.00   | 6797.88 | 9.30                | 0.00   | 233.11 | -920.77               | -1226.73 | 3022.93               | 3013.63             | 325.05 |         |
| 4300.00      | 4300.00 | 6800.00   | 6797.88 | 9.52                | 0.00   | 233.11 | -920.77               | -1226.73 | 2937.19               | 2927.67             | 308.38 |         |
| 4400.00      | 4400.00 | 6800.00   | 6797.88 | 9.75                | 0.00   | 233.11 | -920.77               | -1226.73 | 2852.39               | 2842.64             | 292.57 |         |
| 4500.00      | 4500.00 | 6800.00   | 6797.88 | 9.97                | 0.00   | 233.11 | -920.77               | -1226.73 | 2768.60               | 2758.63             | 277.58 |         |
| 4600.00      | 4600.00 | 6800.00   | 6797.88 | 10.20               | 0.00   | 233.11 | -920.77               | -1226.73 | 2685.92               | 2675.72             | 263.35 |         |
| 4700.00      | 4700.00 | 6800.00   | 6797.88 | 10.42               | 0.00   | 233.11 | -920.77               | -1226.73 | 2604.46               | 2594.03             | 249.86 |         |
| 4800.00      | 4800.00 | 6800.00   | 6797.88 | 10.65               | 0.00   | 233.11 | -920.77               | -1226.73 | 2524.33               | 2513.68             | 237.06 |         |
| 4900.00      | 4900.00 | 6800.00   | 6797.88 | 10.87               | 0.00   | 233.11 | -920.77               | -1226.73 | 2445.66               | 2434.79             | 224.92 |         |
| 5000.00      | 5000.00 | 6800.00   | 6797.88 | 11.10               | 0.00   | 233.11 | -920.77               | -1226.73 | 2368.60               | 2357.50             | 213.43 |         |
| 5100.00      | 5100.00 | 6800.00   | 6797.88 | 11.32               | 0.00   | 233.11 | -920.77               | -1226.73 | 2293.32               | 2281.99             | 202.54 |         |
| 5200.00      | 5200.00 | 6800.00   | 6797.88 | 11.55               | 0.00   | 233.11 | -920.77               | -1226.73 | 2219.98               | 2208.43             | 192.25 |         |
| 5300.00      | 5300.00 | 6800.00   | 6797.88 | 11.77               | 0.00   | 233.11 | -920.77               | -1226.73 | 2148.80               | 2137.03             | 182.53 |         |
| 5330.00      | 5330.00 | 6800.00   | 6797.88 | 11.84               | 0.00   | 233.11 | -920.77               | -1226.73 | 2127.90               | 2116.06             | 179.72 |         |
| 5400.00      | 5399.98 | 6800.00   | 6797.88 | 11.99               | 0.00   | 188.02 | -920.77               | -1226.73 | 2080.94               | 2068.95             | 173.59 |         |
| 5500.00      | 5499.78 | 6800.00   | 6797.88 | 12.21               | 0.00   | 187.70 | -920.77               | -1226.73 | 2019.65               | 2007.48             | 165.94 |         |
| 5600.00      | 5599.10 | 6800.00   | 6797.88 | 12.43               | 0.00   | 187.44 | -920.77               | -1226.73 | 1965.91               | 1953.58             | 159.50 |         |
| 5700.00      | 5697.69 | 6800.00   | 6797.88 | 12.65               | 0.00   | 187.25 | -920.77               | -1226.73 | 1920.49               | 1908.04             | 154.22 |         |
| 5800.00      | 5795.27 | 6800.00   | 6797.88 | 12.89               | 0.00   | 187.10 | -920.77               | -1226.73 | 1884.14               | 1871.59             | 150.11 |         |
| 5900.00      | 5891.58 | 6800.00   | 6797.88 | 13.14               | 0.00   | 187.00 | -920.77               | -1226.73 | 1857.48               | 1844.86             | 147.13 |         |
| 6000.00      | 5986.34 | 6800.00   | 6797.88 | 13.43               | 0.00   | 186.94 | -920.77               | -1226.73 | 1841.01               | 1828.34             | 145.27 |         |
| 6100.00      | 6079.31 | 6800.00   | 6797.88 | 13.75               | 0.00   | 186.92 | -920.77               | -1226.73 | 1835.06               | 1822.36             | 144.52 |         |
| 6200.00      | 6170.22 | 6800.00   | 6797.88 | 14.12               | 0.00   | 186.93 | -920.77               | -1226.73 | 1839.73               | 1827.03             | 144.84 |         |
| 6300.00      | 6258.83 | 8217.93   | 7433.34 | 14.54               | 18.85  | 213.86 | 138.77                | -1254.96 | 1851.31               | 1822.07             | 63.32  |         |
| 6400.00      | 6344.90 | 8243.38   | 7433.41 | 15.04               | 19.25  | 214.20 | 164.22                | -1255.57 | 1826.92               | 1796.85             | 60.75  |         |
| 6500.00      | 6428.18 | 8276.00   | 7433.78 | 15.62               | 19.76  | 214.89 | 196.83                | -1256.38 | 1811.48               | 1780.42             | 58.32  |         |
| 6600.00      | 6508.45 | 8307.84   | 7434.37 | 16.29               | 20.28  | 215.69 | 228.65                | -1257.21 | 1805.01               | 1772.90             | 56.21  |         |
| 6700.00      | 6585.49 | 8347.52   | 7435.30 | 17.06               | 20.92  | 216.86 | 268.30                | -1258.27 | 1807.39               | 1774.03             | 54.17  |         |
| 6800.00      | 6659.10 | 8394.80   | 7436.63 | 17.93               | 21.71  | 218.37 | 315.55                | -1259.56 | 1818.34               | 1783.47             | 52.14  |         |
| 6900.00      | 6729.05 | 8449.15   | 7437.85 | 18.91               | 22.64  | 220.22 | 369.86                | -1261.11 | 1837.29               | 1800.63             | 50.12  |         |
| 6914.36      | 6738.79 | 8457.06   | 7437.99 | 19.06               | 22.78  | 220.50 | 377.76                | -1261.34 | 1840.63               | 1803.71             | 49.84  |         |
| 7000.00      | 6796.61 | 8494.53   | 7438.61 | 19.98               | 23.43  | 221.51 | 415.21                | -1262.51 | 1862.45               | 1823.95             | 48.38  |         |
| 7100.00      | 6864.13 | 8535.79   | 7439.38 | 21.11               | 24.16  | 222.62 | 456.44                | -1263.99 | 1891.46               | 1851.13             | 46.89  |         |
| 7200.00      | 6931.65 | 8576.40   | 7440.21 | 22.29               | 24.87  | 223.71 | 497.01                | -1265.66 | 1924.14               | 1881.94             | 45.59  |         |
| 7300.00      | 6999.17 | 8616.13   | 7441.11 | 23.50               | 25.55  | 224.75 | 536.69                | -1267.52 | 1960.32               | 1916.24             | 44.47  |         |
| 7400.00      | 7066.69 | 8656.17   | 7442.09 | 24.75               | 26.25  | 225.80 | 576.66                | -1269.61 | 1999.84               | 1953.84             | 43.48  |         |
| 7500.00      | 7134.21 | 8709.52   | 7443.26 | 26.03               | 27.19  | 227.18 | 629.91                | -1272.54 | 2042.31               | 1994.06             | 42.32  |         |
| 7534.48      | 7157.49 | 8727.72   | 7443.59 | 26.48               | 27.52  | 227.65 | 648.09                | -1273.53 | 2057.58               | 2008.54             | 41.96  |         |
| 7550.00      | 7168.06 | 8735.98   | 7443.73 | 26.65               | 27.66  | 229.33 | 656.33                | -1273.98 | 2064.35               | 2014.85             | 41.71  |         |



# Weatherford Anticollision Report



Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013 Time: 09:28:53 Page: 9  
Co-ordinate(NE) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #9H  
Well: Spud 16 State #9H  
Wellpath: 1 V1

Inter-Site Error: 0.00 ft

| Reference MD | Reference TVD | Offset MD | Offset TVD | Semi-Major Axis Ref | Offset | TFO-HS | Offset Location North | Offset Location East | Ctr-Ctr Edge Distance | Separation Distance | Factor | Warning |
|--------------|---------------|-----------|------------|---------------------|--------|--------|-----------------------|----------------------|-----------------------|---------------------|--------|---------|
| ft           | ft            | ft        | ft         | ft                  | ft     | deg    | ft                    | ft                   | ft                    | ft                  |        |         |
| 7600.00      | 7203.27       | 8769.76   | 7444.22    | 27.07               | 28.26  | 235.24 | 690.06                | -1275.80             | 2083.73               | 2032.78             | 40.90  |         |
| 7650.00      | 7240.00       | 8811.21   | 7444.70    | 27.31               | 29.00  | 241.85 | 731.46                | -1277.81             | 2099.19               | 2046.85             | 40.11  |         |
| 7700.00      | 7277.91       | 8854.41   | 7445.07    | 27.35               | 29.77  | 249.00 | 774.61                | -1279.64             | 2110.58               | 2057.05             | 39.43  |         |
| 7750.00      | 7316.64       | 8898.80   | 7445.30    | 27.20               | 30.56  | 256.61 | 818.97                | -1281.23             | 2117.81               | 2063.30             | 38.85  |         |
| 7800.00      | 7355.84       | 8942.49   | 7445.38    | 26.86               | 31.34  | 264.48 | 862.64                | -1282.52             | 2120.80               | 2065.55             | 38.38  |         |
| 7850.00      | 7395.15       | 8977.15   | 7445.30    | 26.33               | 31.96  | 272.20 | 897.29                | -1283.41             | 2119.63               | 2064.04             | 38.13  |         |
| 7900.00      | 7434.21       | 9011.34   | 7445.04    | 25.63               | 32.56  | 279.72 | 931.48                | -1284.24             | 2114.35               | 2058.64             | 37.95  |         |
| 7950.00      | 7472.66       | 9046.51   | 7444.60    | 24.79               | 33.19  | 286.85 | 966.64                | -1285.03             | 2104.99               | 2049.32             | 37.81  |         |
| 8000.00      | 7510.14       | 9083.53   | 7443.92    | 23.84               | 33.86  | 293.48 | 1003.65               | -1285.73             | 2091.57               | 2036.08             | 37.69  |         |
| 8050.00      | 7546.31       | 9118.75   | 7443.07    | 22.84               | 34.49  | 299.47 | 1038.85               | -1286.27             | 2074.17               | 2019.03             | 37.62  |         |
| 8100.00      | 7580.84       | 9150.54   | 7442.23    | 21.92               | 35.04  | 304.78 | 1070.62               | -1286.65             | 2052.93               | 1998.35             | 37.62  |         |
| 8150.00      | 7613.40       | 9180.50   | 7441.60    | 21.31               | 35.55  | 309.51 | 1100.58               | -1286.96             | 2028.00               | 1974.11             | 37.63  |         |
| 8200.00      | 7643.70       | 9208.83   | 7441.17    | 21.12               | 36.04  | 313.74 | 1128.90               | -1287.20             | 1999.55               | 1946.40             | 37.62  |         |
| 8250.00      | 7671.47       | 9231.97   | 7440.91    | 21.26               | 36.43  | 317.46 | 1152.04               | -1287.37             | 1967.76               | 1915.44             | 37.61  |         |
| 8300.00      | 7696.43       | 9249.93   | 7440.65    | 21.56               | 36.74  | 320.77 | 1170.00               | -1287.51             | 1932.89               | 1881.42             | 37.55  |         |
| 8350.00      | 7718.37       | 9265.73   | 7440.35    | 21.98               | 37.01  | 323.86 | 1185.79               | -1287.63             | 1895.20               | 1844.47             | 37.36  |         |
| 8400.00      | 7737.08       | 9279.27   | 7440.05    | 22.49               | 37.24  | 326.87 | 1199.33               | -1287.75             | 1854.91               | 1804.78             | 37.00  |         |
| 8450.00      | 7752.40       | 9290.49   | 7439.77    | 23.07               | 37.43  | 329.99 | 1210.55               | -1287.85             | 1812.29               | 1762.58             | 36.46  |         |
| 8500.00      | 7764.16       | 9299.32   | 7439.52    | 23.71               | 37.58  | 333.53 | 1219.37               | -1287.93             | 1767.64               | 1718.16             | 35.72  |         |
| 8550.00      | 7772.28       | 9305.72   | 7439.34    | 24.41               | 37.69  | 338.05 | 1225.77               | -1287.99             | 1721.27               | 1671.86             | 34.84  |         |
| 8600.00      | 7776.68       | 9309.64   | 7439.21    | 25.14               | 37.76  | 344.80 | 1229.69               | -1288.03             | 1673.51               | 1624.01             | 33.81  |         |
| 8647.29      | 7777.37       | 9311.05   | 7439.17    | 25.85               | 37.78  | 356.15 | 1231.09               | -1288.04             | 1627.38               | 1577.15             | 32.40  |         |
| 8700.00      | 7776.26       | 9311.36   | 7439.16    | 26.42               | 37.79  | 356.21 | 1231.40               | -1288.04             | 1575.59               | 1525.10             | 31.21  |         |
| 8800.00      | 7774.15       | 9311.96   | 7439.14    | 27.67               | 37.80  | 356.32 | 1232.00               | -1288.05             | 1477.52               | 1426.54             | 28.99  |         |
| 8900.00      | 7772.05       | 9312.55   | 7439.12    | 29.13               | 37.81  | 356.44 | 1232.60               | -1288.05             | 1379.72               | 1328.25             | 26.81  |         |
| 8997.29      | 7770.00       | 9313.14   | 7439.10    | 30.71               | 37.82  | 356.55 | 1233.18               | -1288.06             | 1284.90               | 1232.96             | 24.74  |         |
| 9000.00      | 7769.94       | 9313.16   | 7439.10    | 30.76               | 37.82  | 356.55 | 1233.20               | -1288.06             | 1282.27               | 1230.31             | 24.68  |         |
| 9100.00      | 7767.84       | 9313.76   | 7439.08    | 32.54               | 37.83  | 356.67 | 1233.81               | -1288.07             | 1185.24               | 1132.82             | 22.61  |         |
| 9200.00      | 7765.73       | 9314.37   | 7439.06    | 34.44               | 37.84  | 356.79 | 1234.42               | -1288.07             | 1088.74               | 1035.88             | 20.60  |         |
| 9300.00      | 7763.62       | 9314.99   | 7439.04    | 36.46               | 37.85  | 356.91 | 1235.03               | -1288.08             | 992.94                | 939.69              | 18.65  |         |
| 9400.00      | 7761.52       | 9315.61   | 7439.02    | 38.56               | 37.86  | 357.03 | 1235.65               | -1288.08             | 898.06                | 844.49              | 16.77  |         |
| 9500.00      | 7759.41       | 9316.23   | 7439.00    | 40.74               | 37.87  | 357.14 | 1236.27               | -1288.09             | 804.41                | 750.65              | 14.96  |         |
| 9600.00      | 7757.31       | 9316.85   | 7438.98    | 42.99               | 37.88  | 357.27 | 1236.90               | -1288.10             | 712.50                | 658.70              | 13.25  |         |
| 9700.00      | 7755.20       | 9317.73   | 7438.95    | 45.29               | 37.90  | 357.43 | 1237.77               | -1288.10             | 623.08                | 569.53              | 11.64  |         |
| 9800.00      | 7753.10       | 9318.63   | 7438.93    | 47.64               | 37.91  | 357.61 | 1238.67               | -1288.11             | 537.40                | 484.56              | 10.17  |         |
| 9900.00      | 7750.99       | 9319.49   | 7438.90    | 50.03               | 37.93  | 357.77 | 1239.52               | -1288.12             | 457.56                | 406.20              | 8.91   |         |
| 10000.00     | 7748.88       | 9320.29   | 7438.87    | 52.46               | 37.94  | 357.93 | 1240.33               | -1288.13             | 387.21                | 338.54              | 7.95   |         |
| 10100.00     | 7746.78       | 9321.05   | 7438.85    | 54.92               | 37.95  | 358.07 | 1241.09               | -1288.13             | 332.42                | 287.92              | 7.47   |         |
| 10200.00     | 7744.67       | 9321.77   | 7438.83    | 57.41               | 37.96  | 358.21 | 1241.81               | -1288.14             | 301.77                | 261.28              | 7.45   |         |
| 10300.00     | 7742.57       | 9322.46   | 7438.81    | 59.91               | 37.98  | 358.34 | 1242.50               | -1288.15             | 302.71                | 260.89              | 7.24   |         |
| 10400.00     | 7740.46       | 9323.11   | 7438.79    | 62.44               | 37.99  | 358.47 | 1243.15               | -1288.15             | 334.96                | 287.22              | 7.02   |         |
| 10500.00     | 7738.35       | 9323.73   | 7438.77    | 64.99               | 38.00  | 358.59 | 1243.77               | -1288.16             | 390.84                | 337.60              | 7.34   |         |
| 10600.00     | 7736.25       | 9324.33   | 7438.75    | 67.56               | 38.01  | 358.70 | 1244.36               | -1288.16             | 461.87                | 404.71              | 8.08   |         |
| 10700.00     | 7734.14       | 9324.89   | 7438.74    | 70.13               | 38.02  | 358.81 | 1244.93               | -1288.17             | 542.11                | 482.23              | 9.05   |         |
| 10800.00     | 7732.04       | 9325.43   | 7438.72    | 72.72               | 38.03  | 358.91 | 1245.47               | -1288.17             | 628.05                | 566.17              | 10.15  |         |
| 10900.00     | 7729.93       | 9325.94   | 7438.71    | 75.33               | 38.03  | 359.01 | 1245.98               | -1288.18             | 717.64                | 654.21              | 11.31  |         |
| 11000.00     | 7727.82       | 9326.44   | 7438.69    | 77.94               | 38.04  | 359.11 | 1246.47               | -1288.18             | 809.67                | 744.96              | 12.51  |         |
| 11100.00     | 7725.72       | 9326.91   | 7438.68    | 80.56               | 38.05  | 359.20 | 1246.95               | -1288.18             | 903.40                | 837.56              | 13.72  |         |
| 11200.00     | 7723.61       | 9327.36   | 7438.67    | 83.19               | 38.06  | 359.29 | 1247.40               | -1288.19             | 998.34                | 931.50              | 14.93  |         |
| 11300.00     | 7721.51       | 9327.80   | 7438.65    | 85.83               | 38.07  | 359.37 | 1247.83               | -1288.19             | 1094.19               | 1026.41             | 16.14  |         |
| 11400.00     | 7719.40       | 9328.22   | 7438.64    | 88.48               | 38.07  | -0.55  | 1248.25               | -1288.19             | 1190.72               | 1122.05             | 17.34  |         |



# Weatherford Anticollision Report



Weatherford

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Reference Site: Spud 16 State #10  
Reference Well: Spud 16 State #10H  
Reference Wellpath:

Date: 2/12/2013

Time: 09:28:53

Page: 10

Co-ordinate(N/E) Reference: Well: Spud 16 State #10H, Grid North  
Vertical (TVD) Reference: SITE 2988.0

Db: Sybase

Site: Spud 16 State #9H  
Well: Spud 16 State #9H  
Wellpath: 1 V1

Inter-Site Error: 0.00 ft

| Reference |         | Offset  |         | Semi-Major Axis |        | Offset Location |         | Ctr-Ctr Edge |          | Separation | Warning |
|-----------|---------|---------|---------|-----------------|--------|-----------------|---------|--------------|----------|------------|---------|
| MD        | TVD     | MD      | TVD     | Ref             | Offset | TFO-HS          | North   | East         | Distance | Distance   |         |
| ft        | ft      | ft      | ft      | ft              | ft     | deg             | ft      | ft           | ft       | ft         |         |
| 11500.00  | 7717.29 | 9328.62 | 7438.63 | 91.13           | 38.08  | -0.47           | 1248.65 | -1288.20     | 1287.78  | 1218.26    | 18.52   |
| 11600.00  | 7715.19 | 9329.00 | 7438.62 | 93.79           | 38.09  | -0.40           | 1249.04 | -1288.20     | 1385.25  | 1314.91    | 19.69   |
| 11700.00  | 7713.08 | 9329.38 | 7438.61 | 96.45           | 38.09  | -0.33           | 1249.41 | -1288.20     | 1483.07  | 1411.92    | 20.85   |
| 11800.00  | 7710.98 | 9329.73 | 7438.60 | 99.12           | 38.10  | -0.26           | 1249.77 | -1288.20     | 1581.15  | 1509.22    | 21.98   |
| 11900.00  | 7708.87 | 9330.08 | 7438.59 | 101.79          | 38.10  | -0.19           | 1250.11 | -1288.21     | 1679.46  | 1606.75    | 23.10   |
| 12000.00  | 7706.76 | 9330.41 | 7438.58 | 104.47          | 38.11  | -0.13           | 1250.45 | -1288.21     | 1777.96  | 1704.48    | 24.20   |
| 12100.00  | 7704.66 | 9330.73 | 7438.58 | 107.15          | 38.11  | -0.07           | 1250.77 | -1288.21     | 1876.62  | 1802.38    | 25.28   |
| 12200.00  | 7702.55 | 9331.04 | 7438.57 | 109.83          | 38.12  | -0.01           | 1251.08 | -1288.21     | 1975.42  | 1900.42    | 26.34   |
| 12300.00  | 7700.45 | 9331.34 | 7438.56 | 112.52          | 38.13  | 0.05            | 1251.38 | -1288.22     | 2074.33  | 1998.57    | 27.38   |
| 12400.00  | 7698.34 | 9331.63 | 7438.55 | 115.21          | 38.13  | 0.11            | 1251.67 | -1288.22     | 2173.33  | 2096.83    | 28.41   |
| 12500.00  | 7696.23 | 9331.91 | 7438.55 | 117.90          | 38.13  | 0.16            | 1251.95 | -1288.22     | 2272.43  | 2195.18    | 29.42   |
| 12600.00  | 7694.13 | 9332.19 | 7438.54 | 120.60          | 38.14  | 0.21            | 1252.22 | -1288.22     | 2371.60  | 2293.60    | 30.41   |
| 12700.00  | 7692.02 | 9332.45 | 7438.53 | 123.29          | 38.14  | 0.26            | 1252.48 | -1288.22     | 2470.84  | 2392.10    | 31.38   |
| 12800.00  | 7689.92 | 9332.70 | 7438.53 | 126.00          | 38.15  | 0.31            | 1252.74 | -1288.23     | 2570.14  | 2490.65    | 32.33   |
| 12900.00  | 7687.81 | 9332.95 | 7438.52 | 128.70          | 38.15  | 0.36            | 1252.99 | -1288.23     | 2669.49  | 2589.26    | 33.27   |
| 13000.00  | 7685.70 | 9333.19 | 7438.52 | 131.40          | 38.16  | 0.40            | 1253.23 | -1288.23     | 2768.88  | 2687.92    | 34.20   |
| 13100.00  | 7683.60 | 9333.42 | 7438.51 | 134.11          | 38.16  | 0.45            | 1253.46 | -1288.23     | 2868.32  | 2786.61    | 35.10   |
| 13200.00  | 7681.49 | 9333.65 | 7438.50 | 136.82          | 38.16  | 0.49            | 1253.68 | -1288.23     | 2967.80  | 2885.35    | 36.00   |
| 13270.85  | 7680.00 | 9333.81 | 7438.50 | 138.74          | 38.17  | 0.52            | 1253.84 | -1288.23     | 3038.30  | 2955.33    | 36.62   |



**Weatherford****Weatherford Drilling Services**

GeoDec v5.03

Report Date: February 12, 2013

Job Number: \_\_\_\_\_

Customer: Devon Energy

Well Name: Spud 16 State #10H

API Number: \_\_\_\_\_

Rig Name: \_\_\_\_\_

Location: Eddy Co., NM

Block: \_\_\_\_\_

Engineer: RWJ

US State Plane 1983

System: New Mexico Eastern Zone

Projection: Transverse Mercator/Gauss Kruger

Datum: North American Datum 1983

Ellipsoid: GRS 1980

North/South 474347.080 USFT

East/West 649482.550 USFT

Grid Convergence: .19°

Total Correction: +7.48°

Geodetic Latitude / Longitude

System: Latitude / Longitude

Projection: Geodetic Latitude and Longitude

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Latitude 32.3035681 DEG

Longitude -103.9833077 DEG

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.30357° N 32° 18 min 12.845 sec

Longitude = 103.98331° W 103° 58 min 59.908 sec

Magnetic Declination = 7.67° [True North Offset]

Local Gravity = .9988 g CheckSum = 6532

Local Field Strength = 48444 nT Magnetic Vector X = 23931 nT

Magnetic Dip = 60.10° Magnetic Vector Y = 3225 nT

Magnetic Model = bggm2012 Magnetic Vector Z = 41997 nT

Spud Date = Mar 15, 2013 Magnetic Vector H = 24147 nT

Signed: \_\_\_\_\_

Date: \_\_\_\_\_