

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*File Serial No.  
NMINM 14992**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|                                                                                                                                  |                                                       |                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |                                                       | 6. If Indian, Allottee or Tribe Name                                |
| 2. Name of Operator<br>DEVON ENERGY PRODUCTION COMPANY<br>Contact: REBECCA DEAL<br>Email: Rebecca.Deal@devon.com                 |                                                       | 7. If Unit or CA/Agreement, Name and/or No.                         |
| 3a. Address<br>333 WEST SHERIDAN AVENUE<br>OKLAHOMA CITY, OK 73102                                                               | 3b. Phone No. (include area code)<br>Ph: 405-228-8429 | 8. Well Name and No.<br>FIGHTING OKRA 18-19 FED 31H                 |
| 3a. Address<br>333 WEST SHERIDAN AVENUE<br>OKLAHOMA CITY, OK 73102                                                               |                                                       | 9. API Well No.<br>30-025-43267                                     |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 18 T26S R34E 2310FNL 330FWL                        |                                                       | 10. Field and Pool or Exploratory Area<br>WC-025 G-06 S263407P; UBS |
|                                                                                                                                  |                                                       | 11. County or Parish, State<br>LEA COUNTY, NM                       |

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                               |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Change to Original A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | PD                                        |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Devon respectfully requests the following changes to the original APD:

Change of MD at TD from 18,076' to 17,997'.

Please see the attached AC Report, Drill Plan &amp; Directional Survey.

- All previous COAs still apply. Additional COA is not required.

|                                                                                                                                                                                                                                                                                            |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 14. I hereby certify that the foregoing is true and correct.                                                                                                                                                                                                                               |                                      |
| Electronic Submission #396916 verified by the BLM Well Information System<br>For DEVON ENERGY PRODUCTION COMPANY, sent to the Hobbs<br>Committed to AFMSS for processing by CHARLES NIMMER on 12/05/2017 ()                                                                                |                                      |
| Name (Printed/Typed) REBECCA DEAL                                                                                                                                                                                                                                                          | Title REGULATORY COMPLIANCE PROFESSI |
| Signature (Electronic Submission)                                                                                                                                                                                                                                                          | Date 12/05/2017                      |
| THIS SPACE FOR FEDERAL OR STATE OFFICE USE                                                                                                                                                                                                                                                 |                                      |
| Approved By <u>Mustafa Hague</u>                                                                                                                                                                                                                                                           | Title <u>Engineer</u>                |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.                                  |                                      |
| Office <u>BUREAU OF LAND MANAGEMENT</u><br><u>CARLSBAD FIELD OFFICE</u>                                                                                                                                                                                                                    |                                      |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. |                                      |

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



# devon

Devon Energy  
Fighting Okra 18-19 Fed 31H  
Lea County, NM

## Plan Data for Fighting Okra 18-19 Fed 31H

| Plan Point Information:           |       |        |          |          |        |           |           |         |                           |
|-----------------------------------|-------|--------|----------|----------|--------|-----------|-----------|---------|---------------------------|
| Dogleg Severity Unit: */100.00ft  |       |        |          |          |        |           |           |         |                           |
| Position offsets from Slot centre |       |        |          |          |        |           |           |         |                           |
| MD                                | Inc   | As     | TVD      | +N/-S    | +E/-W  | Northing  | Easting   | Vsec    | DLS Comments              |
| (USft)                            | (°)   | (°)    | (USft)   | (USft)   | (USft) | (USft)    | (USft)    | (USft)  | (DLSU)                    |
| 0.00                              | 0.00  | 0.00   | 0.00     | 0.00     | 0.00   | 380827.97 | 794436.89 | 0.00    | 0.00                      |
| 3500.00                           | 0.00  | 0.00   | 3500.00  | 0.00     | 0.00   | 380827.97 | 794436.89 | 0.00    | 0.00                      |
| 3804.91                           | 3.05  | 359.58 | 3804.76  | 8.11     | -0.06  | 380836.08 | 794436.83 | -8.11   | 0.00 Nudge- @ 1° DLS      |
| 9139.97                           | 3.05  | 359.58 | 9132.28  | 291.88   | -2.14  | 381119.85 | 794434.75 | -291.89 | 1.00 Hold                 |
| 9444.88                           | 0.00  | 0.00   | 9437.04  | 299.99   | -2.20  | 381127.96 | 794434.69 | -300.00 | 0.00 Drop- @ 1° DLS       |
| 10344.88                          | 90.00 | 179.58 | 10010.00 | -272.95  | 2.00   | 380555.02 | 794438.89 | 272.96  | 1.00 KOP- Build @ 10° DLS |
| 17996.84                          | 90.00 | 179.58 | 10010.00 | -7924.70 | 58.13  | 372903.27 | 794495.02 | 7924.91 | 0.00 PBHL 31H             |

# Weatherford

## Plan Data for Fighting Okra 18-19 Fed 31H

| Formation Point Information: |               |          |          |           |      |
|------------------------------|---------------|----------|----------|-----------|------|
| Name                         | TVD Elevation | MD       | Dip      | Direction |      |
| (USft)                       | (USft)        | (USft)   | (°)      | (°)       |      |
| 18555                        | 10457.00      | 0.00     | -1.00    | 0.00      | 0.00 |
| Rustler                      | 780.00        | 2605.00  | 780.00   | 0.00      | 0.00 |
| Base of Salt                 | 5001.00       | -1616.00 | 5002.84  | 0.00      | 0.00 |
| Delaware                     | 5257.00       | -1872.00 | 5259.20  | 0.00      | 0.00 |
| Lwr Brushy                   | 9302.00       | -5917.00 | 9309.83  | 0.00      | 0.00 |
| 18SLM                        | 9524.00       | -6139.00 | 9532.18  | 0.00      | 0.00 |
| Leonard A                    | 9555.00       | -6170.00 | 9563.69  | 0.00      | 0.00 |
| Leonard B                    | 9982.00       | -6597.00 | 10165.02 | 0.00      | 0.00 |

Plan Data for Fighting Okra 18-19 Fed 31H

Field: Lea Co, NM Nad 83 NMEZ  
Map Unit: USft  
Vertical Reference Datum (VRD): Mean Sea Level  
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

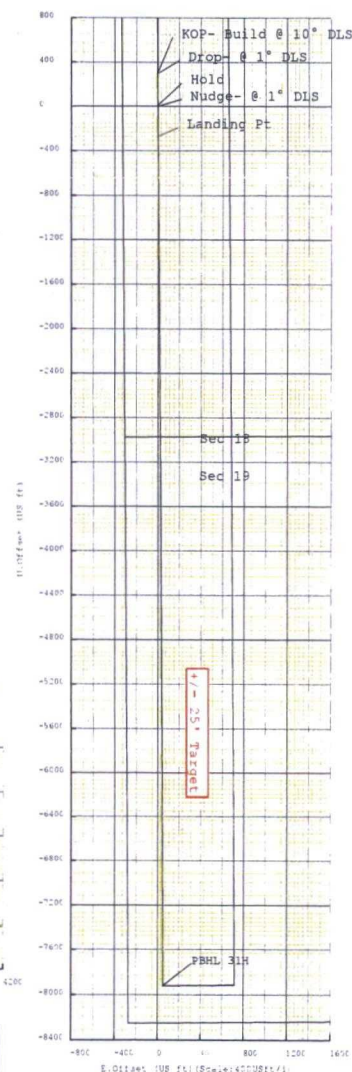
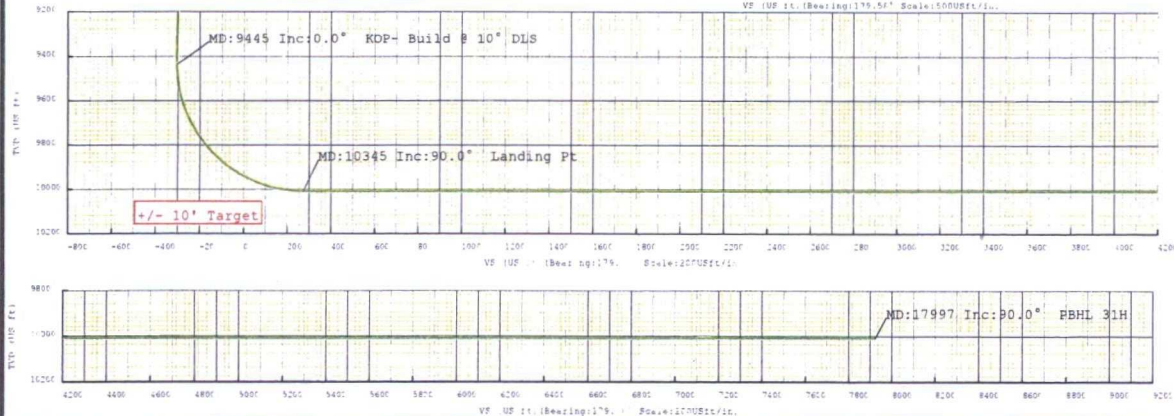
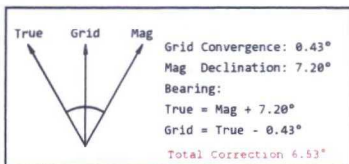
Site: Fighting Okra 18-19 Fed 21H, 31H, 41H Pad  
Unit: USft  
Company Name: Devon Energy  
Position: Northing: 380827.97USft Latitude: 32.044344°  
Easting: 794436.89USft Longitude: -103.516471°  
North Reference: Grid Grid Convergence: 0.43°  
Elevation Above VRD: 3358.00USft

Slot: Fighting Okra 18-19 Fed 31H  
Position:  
Offset is from Site centre  
+N/-S: 0.00USft Northing: 380827.97USft Latitude: 32.044344°  
+E/-W: 0.00USft Easting: 794436.89USft Longitude: -103.516471°  
Elevation Above VRD: 3358.00USft

Well: Fighting Okra 18-19 Fed 31H  
Type: Main-Well  
File Number:  
Plan Folder: P1 Plan: P1:V4  
Vertical Section: Position offset of origin from Slot centre:  
+N/-S: 0.00USft Azimuth: 179.58°  
+E/-W: 0.00USft  
Magnetic Parameters:  
Model: Field Strength: Declination: Dip: Date:  
BGM 48041(nT) 7.20° 59.91° 2015-10-15

## Plan Data for Fighting Okra 18-19 Fed 31H

| Target Set Information:           |               |          |          |          |           |
|-----------------------------------|---------------|----------|----------|----------|-----------|
| Name: Fighting Okra 18-19 Fed 31H |               |          |          |          |           |
| Position offsets from Slot centre |               |          |          |          |           |
| Name                              | TVD Elevation | +N/-S    | +E/-W    | Northing | Easting   |
| (USft)                            | (USft)        | (USft)   | (USft)   | (USft)   | (USft)    |
| VP                                | 9434.04       | -6049.04 | 299.99   | -2.20    | 381127.96 |
| PBHL 31H                          | 10007.00      | -6622.00 | -7924.70 | 58.13    | 372903.27 |



Drawing By: Lee Winchell Date: 26 September 2017  
Office Name: Weatherford Drilling Services-Houston  
Address: 11200 Cotton Road  
Houston, TX 77066  
Phone: 713.896.8194

**5D Anti-Collision Report****Devon Energy****Field Name:** *Lea Co, NM Nad 83 NMEZ***Site Name:** *Fighting Okra 18-19 Fed 21H,31H,41H Pad***Well Name:** *Fighting Okra 18-19 Fed 31H*

26 September 2017







## Fighting Okra 18-19 Fed 31H

|                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                     |                                                                                                                                                                        |                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Field Name:</b><br>Lea Co, NM Nad<br>83 NMEZ                                                                                                                              | <b>Map Units:</b> US ft<br><b>Vertical Reference Datum (VRD):</b> Mean Sea Level<br><b>Projected Coordinate System:</b> NAD83 / New Mexico East (ftUS)<br><b>Comment:</b>                                                                                                                                                                       |                                                                                                     | <b>Company Name:</b> Devon Energy                                                                                                                                      |                                                                                                |
| <b>Site:</b><br>Fighting Okra<br>18-19 Fed<br>21H,31H,41H<br>Pad                                                                                                             | <b>Units:</b> US ft<br><br><b>Position:</b>                                                                                                                                                                                                                                                                                                     | <b>North Reference:</b> Grid<br><b>Northing:</b> 380827.97 US ft<br><b>Easting:</b> 794436.89 US ft | <b>Convergence Angle:</b> 0.43<br><b>Latitude:</b> 32° 2' 39.64"<br><b>Longitude:</b> -103° 30' 59.30"<br><b>Elevation above MSL:</b> 3358.00 US ft<br><b>Comment:</b> |                                                                                                |
| <b>Slot:</b><br>Fighting Okra<br>18-19 Fed 31H                                                                                                                               | <b>Position (Relative to Site Centre)</b><br><b>+N/-S:</b> 0.00 US ft <b>Northing:</b> 380827.97 US ft <b>Latitude:</b> 32°2'39.64"<br><b>+E/-W:</b> 0.00 US ft <b>Easting:</b> 794436.89 US ft <b>Longitude:</b> -103°30'59.30"<br><b>Slot TVD Reference:</b> Ground Elevation<br><b>Elevation above MSL:</b> 3358.00 US ft<br><b>Comment:</b> |                                                                                                     |                                                                                                                                                                        |                                                                                                |
| <b>Well:</b><br>Fighting Okra<br>18-19 Fed 31H                                                                                                                               | <b>Type:</b> Main well<br><b>File Number:</b> <b>Comment:</b><br><b>Closure Distance:</b> 7924.91 US ft<br><b>Vertical Section: Position of Origin (Relative to Slot centre)</b><br><b>Magnetic Parameters:</b><br><b>Model:</b> BGGM <b>Field Strength:</b> 48041.7nT                                                                          |                                                                                                     | <b>UWI:</b><br><b>Closure Azimuth:</b> 179.58°<br><b>+N/-S:</b> 0.00 US ft <b>+E/-W:</b> 0.00 US ft<br><b>Declination:</b> 7.20°                                       | <b>Plan:</b> Working Plan<br><b>Az:</b> 179.58°<br><b>Dip:</b> 59.91° <b>Date:</b> 15/Oct/2015 |
| <b>Drill floor: Plan: Working Plan</b><br><b>Rig Height (Kelly Bushing):</b> Elevation above MSL: 30.00us ft    3388.00us ft <b>Inclination:</b> 0.00° <b>Azimuth:</b> 0.00° |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                     |                                                                                                                                                                        |                                                                                                |

### Collision / Uncertainty Analysis

| Primary Well                    | Start MD (USFt) | End MD (USFt) | Collision Risk Interval | No. of Std. Deviations in Error Computation |
|---------------------------------|-----------------|---------------|-------------------------|---------------------------------------------|
| Fighting Okra 18-19 Fed 31H (p) | 0.00            | 30000.00      | 100.00                  | 2                                           |

### Secondary Well Names:

Fighting Okra Federal Com 1H ST01 (s)  
 Fighting Okra Federal Com 1H ST00 (s)  
 Fighting Okra 18-19 Fed 71H Lat (p)  
 Fighting Okra 18-19 Fed 21H (p)  
 Fighting Okra 18-19 Fed 41H (p)



## 5D Anti-Collision Report

## Anti-Collision Report Terminology

**S.Minor, S.Major:** Radii of the ellipse of uncertainty at the current location as seen in the along hole direction.

**PHI:** Angle between high-side vector and semi-minor axis

**TVD Spread:** Total TVD range of the ellipsoid of uncertainty at the current location.

**ES:** Distance between the extremities of the primary and secondary uncertainty ellipsoids in the direction Cr-Cr.

**T.Face to Sec:** Angle between the Hi-Side vector of the primary well at the current location and line of closest approach between the two wells.

## AC Filter Info: Applied filter(s): Depth Range.

Separation factors calculated using Pedal Curve (Independent Uncertainty). Surface Uncertainty (S.U.) Not Applied. Wellpath created using minimum curvature.

## Anti-Collision Summary (TVD relative to Kelly Bushing)

| SF | Pri MD<br>(US ft) | TVD<br>(US ft) | Secondary Well<br>Name                | Sec MD<br>(US ft) | CC<br>(US ft) | ES<br>(US ft) | SF    | Risk    |
|----|-------------------|----------------|---------------------------------------|-------------------|---------------|---------------|-------|---------|
|    | 17996.84          | 10010.00       | Fighting Okra 18-19 Fed 41H (p)       | 18462.51          | 168.00        | 42.11         | 1.33  | SF(Med) |
|    | 9899.22           | 9845.24        | Fighting Okra Federal Com 1H ST01 (s) | 10109.25          | 81.73         | 36.60         | 1.81  | SF(Lo)  |
|    | 10075.00          | 9947.60        | Fighting Okra Federal Com 1H ST00 (s) | 10111.50          | 111.23        | 66.39         | 2.48  | SF(Lo)  |
|    | 3578.71           | 3578.71        | Fighting Okra 18-19 Fed 21H (p)       | 3580.71           | 50.53         | 34.04         | 3.06  |         |
|    | 17996.84          | 10010.00       | Fighting Okra 18-19 Fed 71H Lat (p)   | 22347.61          | 2486.13       | 2347.70       | 17.96 |         |

| CC | Pri MD<br>(US ft) | TVD<br>(US ft) | Secondary Well<br>Name                | Sec MD<br>(US ft) | CC<br>(US ft) | ES<br>(US ft) | SF    | Risk    |
|----|-------------------|----------------|---------------------------------------|-------------------|---------------|---------------|-------|---------|
|    | 50.00             | 50.00          | Fighting Okra 18-19 Fed 41H (p)       | 47.00             | 29.95         | 29.12         | 36.09 | CC (Lo) |
|    | 50.00             | 50.00          | Fighting Okra 18-19 Fed 21H (p)       | 52.00             | 49.99         | 49.24         | 66.47 |         |
|    | 9892.38           | 9840.41        | Fighting Okra Federal Com 1H ST01 (s) | 10113.64          | 81.56         | 36.65         | 1.82  | SF(Lo)  |
|    | 10062.30          | 9941.72        | Fighting Okra Federal Com 1H ST00 (s) | 10120.78          | 110.87        | 66.26         | 2.49  | SF(Lo)  |
|    | 17996.84          | 10010.00       | Fighting Okra 18-19 Fed 71H Lat (p)   | 22347.61          | 2486.13       | 2347.70       | 17.96 |         |

## Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)

| MD<br>(US ft) | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                 | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk    |
|---------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------|---------------|---------------|-------|-------------|---------|
| 0.00          | 0.00           | 359.54                  | 0.00               | 0.00               | 0.00                  | Fighting Okra 18-19 Fed 41H (p) | 29.38         | 30.10         | 41.64 | MWD         |         |
| 100.00        | 100.00         | 359.54                  | 0.11               | 0.11               | 4.60                  | Fighting Okra 18-19 Fed 41H (p) | 29.01         | 29.95         | 31.86 | MWD         | CC (Lo) |
| 200.00        | 200.00         | 359.54                  | 0.34               | 0.34               | 4.62                  | Fighting Okra 18-19 Fed 41H (p) | 28.56         | 29.95         | 21.60 | MWD         | CC (Lo) |
| 300.00        | 300.00         | 359.54                  | 0.56               | 0.56               | 4.65                  | Fighting Okra 18-19 Fed 41H (p) | 28.12         | 29.95         | 16.31 | MWD         | CC (Lo) |
| 400.00        | 400.00         | 359.54                  | 0.79               | 0.79               | 4.69                  | Fighting Okra 18-19 Fed 41H (p) | 27.67         | 29.95         | 13.11 | MWD         | CC (Lo) |
| 500.00        | 500.00         | 359.54                  | 1.01               | 1.01               | 4.75                  | Fighting Okra 18-19 Fed 41H (p) | 27.22         | 29.95         | 10.95 | MWD         | CC (Lo) |
| 600.00        | 600.00         | 359.54                  | 1.24               | 1.24               | 4.81                  | Fighting Okra 18-19 Fed 41H (p) | 26.77         | 29.95         | 9.41  | MWD         | CC (Lo) |
| 700.00        | 700.00         | 359.54                  | 1.46               | 1.46               | 4.89                  | Fighting Okra 18-19 Fed 41H (p) | 26.32         | 29.95         | 8.24  | MWD         | CC (Lo) |
| 800.00        | 800.00         | 359.54                  | 1.69               | 1.69               | 4.97                  | Fighting Okra 18-19 Fed 41H (p) | 25.87         | 29.95         | 7.33  | MWD         | CC (Lo) |
| 900.00        | 900.00         | 359.54                  | 1.91               | 1.91               | 5.06                  | Fighting Okra 18-19 Fed 41H (p) | 25.42         | 29.95         | 6.61  | MWD         | CC (Lo) |

## SD Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |                    |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|--------------------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk               |
| 1000.00                                                                                                          | 1000.00        | 359.54                  | 2.14               | 2.14               | 5.16                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 24.97         | 29.95         | 6.01 | MWD         | CC (Lo)            |
| 1100.00                                                                                                          | 1100.00        | 359.54                  | 2.36               | 2.36               | 5.27                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 24.52         | 29.95         | 5.51 | MWD         | CC (Lo)            |
| 1200.00                                                                                                          | 1200.00        | 359.54                  | 2.59               | 2.59               | 5.38                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 24.07         | 29.95         | 5.09 | MWD         | CC (Lo)            |
| 1300.00                                                                                                          | 1300.00        | 359.54                  | 2.81               | 2.81               | 5.50                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 23.62         | 29.95         | 4.73 | MWD         | CC (Lo)            |
| 1400.00                                                                                                          | 1400.00        | 359.54                  | 3.03               | 3.03               | 5.63                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 23.17         | 29.95         | 4.42 | MWD         | CC (Lo)            |
| 1500.00                                                                                                          | 1500.00        | 359.54                  | 3.26               | 3.26               | 5.76                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 22.72         | 29.95         | 4.14 | MWD         | CC (Lo)            |
| 1600.00                                                                                                          | 1600.00        | 359.54                  | 3.48               | 3.48               | 5.89                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 22.27         | 29.95         | 3.90 | MWD         | CC (Lo)            |
| 1700.00                                                                                                          | 1700.00        | 359.54                  | 3.71               | 3.71               | 6.03                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 21.82         | 29.95         | 3.68 | MWD         | CC (Lo)            |
| 1800.00                                                                                                          | 1800.00        | 359.54                  | 3.93               | 3.93               | 6.17                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 21.37         | 29.95         | 3.49 | MWD         | CC (Lo)            |
| 1900.00                                                                                                          | 1900.00        | 359.54                  | 4.16               | 4.16               | 6.32                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 20.92         | 29.95         | 3.32 | MWD         | CC (Lo)            |
| 2000.00                                                                                                          | 2000.00        | 359.54                  | 4.38               | 4.38               | 6.47                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 20.47         | 29.95         | 3.16 | MWD         | CC (Lo)            |
| 2100.00                                                                                                          | 2100.00        | 359.54                  | 4.61               | 4.61               | 6.63                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 20.02         | 29.95         | 3.02 | MWD         | CC (Lo)            |
| 2200.00                                                                                                          | 2200.00        | 359.54                  | 4.83               | 4.83               | 6.78                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 19.57         | 29.95         | 2.89 | MWD         | CC (Lo)            |
| 2300.00                                                                                                          | 2300.00        | 359.54                  | 5.06               | 5.06               | 6.94                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 19.12         | 29.95         | 2.77 | MWD         | CC (Lo)            |
| 2400.00                                                                                                          | 2400.00        | 359.54                  | 5.28               | 5.28               | 7.11                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 18.67         | 29.95         | 2.66 | MWD         | CC (Lo)            |
| 2500.00                                                                                                          | 2500.00        | 359.54                  | 5.51               | 5.51               | 7.27                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 18.22         | 29.95         | 2.55 | MWD         | CC (Lo)            |
| 2600.00                                                                                                          | 2600.00        | 359.54                  | 5.73               | 5.73               | 7.44                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 17.78         | 29.95         | 2.46 | MWD         | SF(Lo); CC<br>(Lo) |
| 2700.00                                                                                                          | 2700.00        | 359.54                  | 5.96               | 5.96               | 7.62                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 17.33         | 29.95         | 2.37 | MWD         | SF(Lo); CC<br>(Lo) |
| 2800.00                                                                                                          | 2800.00        | 359.54                  | 6.18               | 6.18               | 7.79                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 16.88         | 29.95         | 2.29 | MWD         | SF(Lo); CC<br>(Lo) |
| 2900.00                                                                                                          | 2900.00        | 359.54                  | 6.41               | 6.41               | 7.97                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 16.43         | 29.95         | 2.21 | MWD         | SF(Lo); CC<br>(Lo) |
| 3000.00                                                                                                          | 3000.00        | 359.54                  | 6.63               | 6.63               | 8.15                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 15.98         | 29.95         | 2.14 | MWD         | SF(Lo); CC<br>(Lo) |
| 3100.00                                                                                                          | 3100.00        | 359.54                  | 6.86               | 6.86               | 8.33                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 15.53         | 29.95         | 2.08 | MWD         | SF(Lo); CC<br>(Lo) |
| 3200.00                                                                                                          | 3200.00        | 359.54                  | 7.08               | 7.08               | 8.52                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 15.08         | 29.95         | 2.01 | MWD         | SF(Lo); CC<br>(Lo) |
| 3300.00                                                                                                          | 3300.00        | 359.54                  | 7.31               | 7.31               | 8.70                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 14.63         | 29.95         | 1.95 | MWD         | SF(Lo); CC<br>(Lo) |
| 3400.00                                                                                                          | 3400.00        | 359.46                  | 7.53               | 7.53               | 8.89                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 15.01         | 30.77         | 1.95 | MWD         | SF(Lo)             |
| 3500.00                                                                                                          | 3500.00        | 359.24                  | 7.76               | 7.76               | 9.09                  |                                       | 17.12         | 33.31         | 2.06 | MWD         | SF(Lo)             |



## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |        |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|--------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk   |
|                                                                                                                  |                |                         |                    |                    |                       | Fighting<br>Okra 18-19<br>Fed 41H (p) |               |               |      |             |        |
| 3600.00                                                                                                          | 3599.99        | 359.33                  | 7.98               | 7.98               | 9.28                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 20.13         | 36.72         | 2.21 | MWD         | SF(Lo) |
| 3700.00                                                                                                          | 3699.96        | 358.94                  | 8.20               | 8.20               | 9.48                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 23.08         | 40.12         | 2.35 | MWD         | SF(Lo) |
| 3800.00                                                                                                          | 3799.86        | 358.48                  | 8.43               | 8.42               | 9.68                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 26.05         | 43.50         | 2.49 | MWD         | SF(Lo) |
| 3900.00                                                                                                          | 3899.72        | 358.01                  | 8.65               | 8.65               | 9.89                  | Fighting<br>Okra 18-19<br>Fed 41H (p) | 29.66         | 47.57         | 2.66 | MWD         |        |
| 4000.00                                                                                                          | 3999.58        | 357.60                  | 8.88               | 8.87               | 10.09                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 33.65         | 52.03         | 2.83 | MWD         |        |
| 4100.00                                                                                                          | 4099.44        | 357.26                  | 9.10               | 9.10               | 10.30                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 37.69         | 56.48         | 3.00 | MWD         |        |
| 4200.00                                                                                                          | 4199.30        | 356.97                  | 9.33               | 9.32               | 10.52                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 41.70         | 60.94         | 3.17 | MWD         |        |
| 4300.00                                                                                                          | 4299.16        | 356.72                  | 9.55               | 9.55               | 10.73                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 45.70         | 65.40         | 3.32 | MWD         |        |
| 4400.00                                                                                                          | 4399.01        | 356.51                  | 9.78               | 9.77               | 10.95                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 49.71         | 69.86         | 3.47 | MWD         |        |
| 4500.00                                                                                                          | 4498.87        | 356.31                  | 10.01              | 10.00              | 11.18                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 53.70         | 74.33         | 3.60 | MWD         |        |
| 4600.00                                                                                                          | 4598.73        | 356.14                  | 10.24              | 10.22              | 11.41                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 57.74         | 78.79         | 3.74 | MWD         |        |
| 4700.00                                                                                                          | 4698.59        | 355.99                  | 10.47              | 10.45              | 11.64                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 61.73         | 83.25         | 3.87 | MWD         |        |
| 4800.00                                                                                                          | 4798.45        | 355.85                  | 10.70              | 10.67              | 11.87                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 65.72         | 87.72         | 3.99 | MWD         |        |
| 4900.00                                                                                                          | 4898.31        | 355.73                  | 10.93              | 10.90              | 12.11                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 69.73         | 92.18         | 4.11 | MWD         |        |
| 5000.00                                                                                                          | 4998.16        | 355.62                  | 11.16              | 11.13              | 12.35                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 73.74         | 96.65         | 4.22 | MWD         |        |
| 5100.00                                                                                                          | 5098.02        | 355.52                  | 11.39              | 11.35              | 12.59                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 77.75         | 101.11        | 4.33 | MWD         |        |
| 5200.00                                                                                                          | 5197.88        | 355.42                  | 11.63              | 11.58              | 12.84                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 81.76         | 105.58        | 4.43 | MWD         |        |
| 5300.00                                                                                                          | 5297.74        | 355.34                  | 11.86              | 11.81              | 13.10                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 85.77         | 110.04        | 4.53 | MWD         |        |
| 5400.00                                                                                                          | 5397.60        | 355.26                  | 12.09              | 12.03              | 13.35                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 89.78         | 114.51        | 4.63 | MWD         |        |
| 5500.00                                                                                                          | 5497.46        | 355.18                  | 12.32              | 12.26              | 13.61                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 93.79         | 118.98        | 4.72 | MWD         |        |
| 5600.00                                                                                                          | 5597.31        | 355.12                  | 12.56              | 12.48              | 13.88                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 97.80         | 123.44        | 4.81 | MWD         |        |
| 5700.00                                                                                                          | 5697.17        | 355.05                  | 12.79              | 12.71              | 14.15                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 101.81        | 127.91        | 4.90 | MWD         |        |
| 5800.00                                                                                                          | 5797.03        | 354.99                  | 13.03              | 12.94              | 14.42                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 105.82        | 132.38        | 4.99 | MWD         |        |
| 5900.00                                                                                                          | 5896.89        | 354.94                  | 13.26              | 13.16              | 14.70                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 109.84        | 136.84        | 5.07 | MWD         |        |
| 6000.00                                                                                                          | 5996.75        | 354.89                  | 13.49              | 13.39              | 14.98                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 113.85        | 141.31        | 5.15 | MWD         |        |

## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |      |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk |
| 6100.00                                                                                                          | 6096.61        | 354.84                  | 13.73              | 13.62              | 15.27                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 117.86        | 145.78        | 5.22 | MWD         |      |
| 6200.00                                                                                                          | 6196.47        | 354.79                  | 13.96              | 13.84              | 15.56                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 121.87        | 150.24        | 5.30 | MWD         |      |
| 6300.00                                                                                                          | 6296.32        | 354.75                  | 14.20              | 14.07              | 15.86                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 125.88        | 154.71        | 5.37 | MWD         |      |
| 6400.00                                                                                                          | 6396.18        | 354.71                  | 14.44              | 14.30              | 16.16                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 129.89        | 159.18        | 5.44 | MWD         |      |
| 6500.00                                                                                                          | 6496.04        | 354.67                  | 14.67              | 14.52              | 16.46                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 133.91        | 163.65        | 5.50 | MWD         |      |
| 6600.00                                                                                                          | 6595.90        | 354.64                  | 14.91              | 14.75              | 16.77                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 137.92        | 168.11        | 5.57 | MWD         |      |
| 6700.00                                                                                                          | 6695.76        | 354.60                  | 15.14              | 14.98              | 17.09                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 141.93        | 172.58        | 5.63 | MWD         |      |
| 6800.00                                                                                                          | 6795.62        | 354.57                  | 15.38              | 15.20              | 17.41                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 145.94        | 177.05        | 5.69 | MWD         |      |
| 6900.00                                                                                                          | 6895.47        | 354.54                  | 15.62              | 15.43              | 17.73                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 149.95        | 181.52        | 5.75 | MWD         |      |
| 7000.00                                                                                                          | 6995.33        | 354.51                  | 15.85              | 15.66              | 18.06                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 153.96        | 185.98        | 5.81 | MWD         |      |
| 7100.00                                                                                                          | 7095.19        | 354.48                  | 16.09              | 15.89              | 18.40                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 157.97        | 190.45        | 5.86 | MWD         |      |
| 7200.00                                                                                                          | 7195.05        | 354.45                  | 16.33              | 16.11              | 18.74                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 161.98        | 194.92        | 5.92 | MWD         |      |
| 7300.00                                                                                                          | 7294.91        | 354.43                  | 16.56              | 16.34              | 19.08                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 165.99        | 199.39        | 5.97 | MWD         |      |
| 7400.00                                                                                                          | 7394.77        | 354.40                  | 16.80              | 16.57              | 19.43                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 170.00        | 203.86        | 6.02 | MWD         |      |
| 7500.00                                                                                                          | 7494.63        | 354.38                  | 17.04              | 16.79              | 19.79                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 174.02        | 208.32        | 6.07 | MWD         |      |
| 7600.00                                                                                                          | 7594.48        | 354.36                  | 17.27              | 17.02              | 20.15                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 178.03        | 212.79        | 6.12 | MWD         |      |
| 7700.00                                                                                                          | 7694.34        | 354.33                  | 17.51              | 17.25              | 20.52                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 182.04        | 217.26        | 6.17 | MWD         |      |
| 7800.00                                                                                                          | 7794.20        | 354.31                  | 17.75              | 17.48              | 20.89                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 186.05        | 221.73        | 6.21 | MWD         |      |
| 7900.00                                                                                                          | 7894.06        | 354.29                  | 17.99              | 17.70              | 21.26                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 190.06        | 226.20        | 6.26 | MWD         |      |
| 8000.00                                                                                                          | 7993.92        | 354.28                  | 18.23              | 17.93              | 21.65                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 194.07        | 230.66        | 6.30 | MWD         |      |
| 8100.00                                                                                                          | 8093.78        | 354.26                  | 18.46              | 18.16              | 22.03                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 198.08        | 235.13        | 6.35 | MWD         |      |
| 8200.00                                                                                                          | 8193.63        | 354.24                  | 18.70              | 18.38              | 22.43                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 202.09        | 239.60        | 6.39 | MWD         |      |
| 8300.00                                                                                                          | 8293.49        | 354.22                  | 18.94              | 18.61              | 22.83                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 206.10        | 244.07        | 6.43 | MWD         |      |
| 8400.00                                                                                                          | 8393.35        | 354.21                  | 19.18              | 18.84              | 23.23                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 210.11        | 248.54        | 6.47 | MWD         |      |
| 8500.00                                                                                                          | 8493.21        | 354.19                  | 19.42              | 19.07              | 23.64                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 214.12        | 253.00        | 6.51 | MWD         |      |



## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                                   |               |               |      |             |        |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------------------|---------------|---------------|------|-------------|--------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                                   | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk   |
| 8600.00                                                                                                          | 8593.07        | 354.17                  | 19.65              | 19.29              | 24.05                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 218.13        | 257.47        | 6.54 | MWD         |        |
| 8700.00                                                                                                          | 8692.93        | 354.16                  | 19.89              | 19.52              | 24.48                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 222.14        | 261.94        | 6.58 | MWD         |        |
| 8800.00                                                                                                          | 8792.78        | 354.15                  | 20.13              | 19.75              | 24.90                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 226.15        | 266.41        | 6.62 | MWD         |        |
| 8900.00                                                                                                          | 8892.64        | 354.13                  | 20.37              | 19.98              | 25.33                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 230.16        | 270.88        | 6.65 | MWD         |        |
| 9000.00                                                                                                          | 8992.50        | 354.12                  | 20.61              | 20.20              | 25.77                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 234.17        | 275.35        | 6.69 | MWD         |        |
| 9100.00                                                                                                          | 9092.36        | 354.10                  | 20.85              | 20.43              | 26.22                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 238.10        | 279.74        | 6.72 | MWD         |        |
| 9200.00                                                                                                          | 9192.23        | 354.08                  | 21.07              | 20.64              | 26.66                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 241.00        | 283.07        | 6.73 | MWD         |        |
| 9300.00                                                                                                          | 9292.18        | 354.07                  | 21.25              | 20.81              | 27.12                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 243.73        | 286.16        | 6.74 | MWD         |        |
| 9400.00                                                                                                          | 9392.16        | 354.08                  | 21.42              | 20.98              | 27.58                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 246.37        | 289.16        | 6.76 | MWD         |        |
| 9500.00                                                                                                          | 9492.07        | 174.12                  | 21.57              | 21.05              | 28.04                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 251.31        | 294.43        | 6.83 | MWD         |        |
| 9600.00                                                                                                          | 9590.27        | 174.30                  | 21.67              | 20.77              | 28.49                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 270.09        | 313.53        | 7.22 | MWD         |        |
| 9600.00                                                                                                          | 9590.27        | 219.25                  | 21.67              | 20.77              | 28.49                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST01 (s) | 237.28        | 268.39        | 8.63 | MWD         |        |
| 9700.00                                                                                                          | 9683.81        | 221.34                  | 21.71              | 20.15              | 28.89                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST01 (s) | 148.52        | 181.26        | 5.54 | MWD         |        |
| 9800.00                                                                                                          | 9769.86        | 234.31                  | 21.71              | 19.26              | 29.24                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST01 (s) | 72.73         | 110.32        | 2.93 | MWD         |        |
| 9900.00                                                                                                          | 9845.79        | 262.29                  | 21.72              | 18.19              | 29.54                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST01 (s) | 36.63         | 81.77         | 1.81 | MWD         | SF(Lo) |
| 10000.00                                                                                                         | 9909.30        | 293.72                  | 21.77              | 17.09              | 29.81                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST01 (s) | 75.24         | 115.88        | 2.85 | MWD         |        |
| 10100.00                                                                                                         | 9958.46        | 271.68                  | 21.89              | 16.13              | 30.06                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST00 (s) | 69.15         | 114.02        | 2.54 | MWD         |        |
| 10200.00                                                                                                         | 9991.78        | 295.45                  | 22.12              | 15.48              | 30.33                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST00 (s) | 103.17        | 145.40        | 3.44 | MWD         |        |
| 10300.00                                                                                                         | 10008.24       | 311.43                  | 22.47              | 15.29              | 30.62                 | Fighting<br>Okra<br>Federal<br>Com 1H<br>ST00 (s) | 152.16        | 192.53        | 4.77 | MWD         |        |
| 10300.00                                                                                                         | 10008.24       | 177.86                  | 22.47              | 15.29              | 30.62                 | Fighting<br>Okra 18-19<br>Fed 41H (p)             | 133.09        | 165.40        | 5.12 | MWD         |        |

## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |      |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk |
| 10400.00                                                                                                         | 10010.00       | 178.87                  | 22.93              | 15.47              | 30.95                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 132.98        | 165.70        | 5.06 | MWD         |      |
| 10500.00                                                                                                         | 10010.00       | 179.85                  | 23.53              | 15.67              | 31.34                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 134.55        | 167.72        | 5.06 | MWD         |      |
| 10600.00                                                                                                         | 10010.00       | 179.99                  | 24.25              | 15.90              | 31.80                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 134.21        | 168.00        | 4.97 | MWD         |      |
| 10700.00                                                                                                         | 10010.00       | 179.99                  | 25.08              | 16.16              | 32.32                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 133.57        | 168.00        | 4.88 | MWD         |      |
| 10800.00                                                                                                         | 10010.00       | 179.99                  | 26.02              | 16.45              | 32.89                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 132.91        | 168.00        | 4.79 | MWD         |      |
| 10900.00                                                                                                         | 10010.00       | 179.99                  | 27.04              | 16.76              | 33.52                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 132.22        | 168.00        | 4.70 | MWD         |      |
| 11000.00                                                                                                         | 10010.00       | 179.99                  | 28.15              | 17.10              | 34.20                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 131.52        | 168.00        | 4.61 | MWD         |      |
| 11100.00                                                                                                         | 10010.00       | 179.99                  | 29.33              | 17.46              | 34.93                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 130.69        | 168.00        | 4.50 | MWD         |      |
| 11200.00                                                                                                         | 10010.00       | 179.99                  | 30.57              | 17.85              | 35.70                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 129.87        | 168.00        | 4.41 | MWD         |      |
| 11300.00                                                                                                         | 10010.00       | 179.99                  | 31.87              | 18.26              | 36.52                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 129.07        | 168.00        | 4.31 | MWD         |      |
| 11400.00                                                                                                         | 10010.00       | 179.99                  | 33.22              | 18.69              | 37.38                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 128.09        | 168.00        | 4.21 | MWD         |      |
| 11500.00                                                                                                         | 10010.00       | 179.99                  | 34.61              | 19.13              | 38.27                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 127.12        | 168.00        | 4.11 | MWD         |      |
| 11600.00                                                                                                         | 10010.00       | 179.99                  | 36.04              | 19.60              | 39.20                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 126.26        | 168.00        | 4.02 | MWD         |      |
| 11700.00                                                                                                         | 10010.00       | 179.99                  | 37.51              | 20.08              | 40.16                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 125.18        | 168.00        | 3.92 | MWD         |      |
| 11800.00                                                                                                         | 10010.00       | 179.99                  | 39.00              | 20.57              | 41.15                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 124.15        | 168.00        | 3.83 | MWD         |      |
| 11900.00                                                                                                         | 10010.00       | 179.99                  | 40.53              | 21.08              | 42.17                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 123.17        | 168.00        | 3.75 | MWD         |      |
| 12000.00                                                                                                         | 10010.00       | 179.99                  | 42.08              | 21.61              | 43.21                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 122.03        | 168.00        | 3.65 | MWD         |      |
| 12100.00                                                                                                         | 10010.00       | 179.99                  | 43.65              | 22.14              | 44.28                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 120.92        | 168.00        | 3.57 | MWD         |      |
| 12200.00                                                                                                         | 10010.00       | 179.99                  | 45.23              | 22.68              | 45.37                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 119.95        | 168.00        | 3.50 | MWD         |      |
| 12300.00                                                                                                         | 10010.00       | 179.99                  | 46.84              | 23.24              | 46.48                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 118.70        | 168.00        | 3.41 | MWD         |      |
| 12400.00                                                                                                         | 10010.00       | 179.99                  | 48.46              | 23.80              | 47.61                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 117.58        | 168.00        | 3.33 | MWD         |      |
| 12500.00                                                                                                         | 10010.00       | 179.99                  | 50.10              | 24.38              | 48.76                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 116.36        | 168.00        | 3.25 | MWD         |      |
| 12600.00                                                                                                         | 10010.00       | 179.99                  | 51.75              | 24.96              | 49.92                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 115.18        | 168.00        | 3.18 | MWD         |      |
| 12700.00                                                                                                         | 10010.00       | 179.99                  | 53.41              | 25.55              | 51.10                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 114.04        | 168.00        | 3.11 | MWD         |      |
| 12800.00                                                                                                         | 10010.00       | 179.99                  | 55.08              | 26.15              | 52.30                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 112.94        | 168.00        | 3.05 | MWD         |      |
| 12900.00                                                                                                         | 10010.00       | 179.99                  | 56.76              | 26.75              | 53.51                 |                                       | 111.65        | 168.00        | 2.98 | MWD         |      |



## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |        |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|--------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk   |
| 13000.00                                                                                                         | 10010.00       | 179.99                  | 58.45              | 27.36              | 54.73                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 110.36        | 168.00        | 2.91 | MWD         |        |
| 13100.00                                                                                                         | 10010.00       | 179.99                  | 60.15              | 27.98              | 55.96                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 109.08        | 168.00        | 2.85 | MWD         |        |
| 13200.00                                                                                                         | 10010.00       | 179.99                  | 61.85              | 28.60              | 57.20                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 107.80        | 168.00        | 2.79 | MWD         |        |
| 13300.00                                                                                                         | 10010.00       | 179.99                  | 63.56              | 29.23              | 58.46                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 106.53        | 168.00        | 2.73 | MWD         |        |
| 13400.00                                                                                                         | 10010.00       | 179.99                  | 65.28              | 29.86              | 59.72                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 105.26        | 168.00        | 2.68 | MWD         |        |
| 13500.00                                                                                                         | 10010.00       | 180.00                  | 67.00              | 30.50              | 60.99                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 103.99        | 168.00        | 2.62 | MWD         |        |
| 13600.00                                                                                                         | 10010.00       | 180.00                  | 68.73              | 31.14              | 62.28                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 102.71        | 168.00        | 2.57 | MWD         |        |
| 13700.00                                                                                                         | 10010.00       | 180.00                  | 70.47              | 31.78              | 63.56                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 101.44        | 168.00        | 2.52 | MWD         |        |
| 13800.00                                                                                                         | 10010.00       | 180.00                  | 72.21              | 32.43              | 64.86                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 100.16        | 168.00        | 2.48 | MWD         | SF(Lo) |
| 13900.00                                                                                                         | 10010.00       | 180.00                  | 73.95              | 33.08              | 66.17                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 98.87         | 168.00        | 2.43 | MWD         | SF(Lo) |
| 14000.00                                                                                                         | 10010.00       | 180.00                  | 75.70              | 33.74              | 67.48                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 97.58         | 168.00        | 2.39 | MWD         | SF(Lo) |
| 14100.00                                                                                                         | 10010.00       | 180.00                  | 77.45              | 34.40              | 68.79                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 96.28         | 168.00        | 2.34 | MWD         | SF(Lo) |
| 14200.00                                                                                                         | 10010.00       | 180.00                  | 79.20              | 35.06              | 70.12                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 94.99         | 168.00        | 2.30 | MWD         | SF(Lo) |
| 14300.00                                                                                                         | 10010.00       | 180.00                  | 80.96              | 35.72              | 71.45                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 93.67         | 168.00        | 2.26 | MWD         | SF(Lo) |
| 14400.00                                                                                                         | 10010.00       | 180.00                  | 82.72              | 36.39              | 72.78                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 92.33         | 168.00        | 2.22 | MWD         | SF(Lo) |
| 14500.00                                                                                                         | 10010.00       | 180.00                  | 84.48              | 37.06              | 74.12                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 90.99         | 168.00        | 2.18 | MWD         | SF(Lo) |
| 14600.00                                                                                                         | 10010.00       | 180.00                  | 86.25              | 37.73              | 75.46                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 89.65         | 168.00        | 2.14 | MWD         | SF(Lo) |
| 14700.00                                                                                                         | 10010.00       | 180.00                  | 88.02              | 38.41              | 76.81                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 88.31         | 168.00        | 2.11 | MWD         | SF(Lo) |
| 14800.00                                                                                                         | 10010.00       | 180.00                  | 89.79              | 39.08              | 78.16                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 86.96         | 168.00        | 2.07 | MWD         | SF(Lo) |
| 14900.00                                                                                                         | 10010.00       | 180.00                  | 91.56              | 39.76              | 79.52                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 85.61         | 168.00        | 2.04 | MWD         | SF(Lo) |
| 15000.00                                                                                                         | 10010.00       | 180.00                  | 93.34              | 40.44              | 80.88                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 84.23         | 168.00        | 2.01 | MWD         | SF(Lo) |
| 15100.00                                                                                                         | 10010.00       | 180.00                  | 95.11              | 41.12              | 82.24                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 82.85         | 168.00        | 1.97 | MWD         | SF(Lo) |
| 15200.00                                                                                                         | 10010.00       | 180.00                  | 96.89              | 41.81              | 83.61                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 81.47         | 168.00        | 1.94 | MWD         | SF(Lo) |
| 15300.00                                                                                                         | 10010.00       | 180.00                  | 98.67              | 42.49              | 84.98                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 80.08         | 168.00        | 1.91 | MWD         | SF(Lo) |
| 15400.00                                                                                                         | 10010.00       | 180.00                  | 100.45             | 43.18              | 86.36                 |                                       | 78.69         | 168.00        | 1.88 | MWD         | SF(Lo) |

## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                       |               |               |      |             |         |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|---------------------------------------|---------------|---------------|------|-------------|---------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                       | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk    |
| 15500.00                                                                                                         | 10010.00       | 180.00                  | 102.24             | 43.87              | 87.73                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 77.30         | 168.00        | 1.85 | MWD         | SF(Lo)  |
| 15600.00                                                                                                         | 10010.00       | 180.00                  | 104.02             | 44.56              | 89.11                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 75.91         | 168.00        | 1.82 | MWD         | SF(Lo)  |
| 15700.00                                                                                                         | 10010.00       | 180.00                  | 105.81             | 45.25              | 90.50                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 74.52         | 168.00        | 1.80 | MWD         | SF(Lo)  |
| 15800.00                                                                                                         | 10010.00       | 180.00                  | 107.60             | 45.94              | 91.88                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 73.13         | 168.00        | 1.77 | MWD         | SF(Lo)  |
| 15900.00                                                                                                         | 10010.00       | 180.00                  | 109.39             | 46.63              | 93.27                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 71.73         | 168.00        | 1.75 | MWD         | SF(Lo)  |
| 16000.00                                                                                                         | 10010.00       | 180.00                  | 111.18             | 47.33              | 94.66                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 70.33         | 168.00        | 1.72 | MWD         | SF(Lo)  |
| 16100.00                                                                                                         | 10010.00       | 180.00                  | 112.97             | 48.03              | 96.05                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 68.93         | 168.00        | 1.70 | MWD         | SF(Lo)  |
| 16200.00                                                                                                         | 10010.00       | 180.00                  | 114.76             | 48.72              | 97.45                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 67.53         | 168.00        | 1.67 | MWD         | SF(Lo)  |
| 16300.00                                                                                                         | 10010.00       | 180.00                  | 116.56             | 49.42              | 98.84                 | Fighting<br>Okra 18-19<br>Fed 41H (p) | 66.12         | 168.00        | 1.65 | MWD         | SF(Lo)  |
| 16400.00                                                                                                         | 10010.00       | 180.00                  | 118.35             | 50.12              | 100.24                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 64.72         | 168.00        | 1.63 | MWD         | SF(Lo)  |
| 16500.00                                                                                                         | 10010.00       | 180.00                  | 120.15             | 50.82              | 101.64                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 63.31         | 168.00        | 1.60 | MWD         | SF(Lo)  |
| 16600.00                                                                                                         | 10010.00       | 180.00                  | 121.95             | 51.52              | 103.04                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 61.91         | 168.00        | 1.58 | MWD         | SF(Lo)  |
| 16700.00                                                                                                         | 10010.00       | 180.00                  | 123.74             | 52.22              | 104.45                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 60.50         | 168.00        | 1.56 | MWD         | SF(Lo)  |
| 16800.00                                                                                                         | 10010.00       | 180.00                  | 125.54             | 52.93              | 105.86                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 59.08         | 168.00        | 1.54 | MWD         | SF(Lo)  |
| 16900.00                                                                                                         | 10010.00       | 180.00                  | 127.34             | 53.63              | 107.26                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 57.67         | 168.00        | 1.52 | MWD         | SF(Lo)  |
| 17000.00                                                                                                         | 10010.00       | 180.00                  | 129.14             | 54.34              | 108.67                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 56.26         | 168.00        | 1.50 | MWD         | SF(Lo)  |
| 17100.00                                                                                                         | 10010.00       | 180.00                  | 130.94             | 55.04              | 110.08                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 54.84         | 168.00        | 1.48 | MWD         | SF(Med) |
| 17200.00                                                                                                         | 10010.00       | 180.00                  | 132.75             | 55.75              | 111.49                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 53.43         | 168.00        | 1.47 | MWD         | SF(Med) |
| 17300.00                                                                                                         | 10010.00       | 180.00                  | 134.55             | 56.45              | 112.91                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 52.01         | 168.00        | 1.45 | MWD         | SF(Med) |
| 17400.00                                                                                                         | 10010.00       | 180.00                  | 136.35             | 57.16              | 114.32                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 50.59         | 168.00        | 1.43 | MWD         | SF(Med) |
| 17500.00                                                                                                         | 10010.00       | 180.00                  | 138.16             | 57.87              | 115.74                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 49.17         | 168.00        | 1.41 | MWD         | SF(Med) |
| 17600.00                                                                                                         | 10010.00       | 180.00                  | 139.96             | 58.58              | 117.16                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 47.75         | 168.00        | 1.40 | MWD         | SF(Med) |
| 17700.00                                                                                                         | 10010.00       | 180.00                  | 141.77             | 59.29              | 118.57                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 46.33         | 168.00        | 1.38 | MWD         | SF(Med) |
| 17800.00                                                                                                         | 10010.00       | 180.00                  | 143.57             | 60.00              | 119.99                | Fighting<br>Okra 18-19<br>Fed 41H (p) | 44.91         | 168.00        | 1.36 | MWD         | SF(Med) |
| 17900.00                                                                                                         | 10010.00       | 180.00                  | 145.38             | 60.71              | 121.42                |                                       | 43.49         | 168.00        | 1.35 | MWD         | SF(Med) |

## 5D Anti-Collision Report

| Primary Well: Fighting Okra 18-19 Fed 31H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                         |                    |                    |                       |                                                                                    |               |               |      |             |         |
|------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|--------------------|--------------------|-----------------------|------------------------------------------------------------------------------------|---------------|---------------|------|-------------|---------|
| MD<br>(US ft)                                                                                                    | TVD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | Nearest<br>Well                                                                    | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk    |
| 17996.84                                                                                                         | 10010.00       | 180.00                  | 147.13             | 61.40              | 122.79                | Fighting<br>Okra 18-19<br>Fed 41H (p)<br><br>Fighting<br>Okra 18-19<br>Fed 41H (p) | 42.11         | 168.00        | 1.33 | MWD         | SF(Med) |

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |               |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|---------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool   | Risk |
| 0.00                                                                                                                     | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 9318.75       | 9333.05       | 652.38 | MWD<br>(Gyro) |      |
| 100.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 9216.54       | 9233.14       | 556.15 | MWD<br>(Gyro) |      |
| 200.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 9116.62       | 9133.23       | 549.82 | MWD<br>(Gyro) |      |
| 300.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 9016.70       | 9033.32       | 543.30 | MWD<br>(Gyro) |      |
| 400.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8916.77       | 8933.42       | 536.60 | MWD<br>(Gyro) |      |
| 500.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8816.84       | 8833.52       | 529.74 | MWD<br>(Gyro) |      |
| 600.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8716.91       | 8733.61       | 522.74 | MWD<br>(Gyro) |      |
| 700.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8616.97       | 8633.71       | 515.62 | MWD<br>(Gyro) |      |
| 800.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8517.03       | 8533.82       | 508.40 | MWD<br>(Gyro) |      |
| 900.00                                                                                                                   | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8417.09       | 8433.92       | 501.09 | MWD<br>(Gyro) |      |
| 1000.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8317.15       | 8334.03       | 493.70 | MWD<br>(Gyro) |      |
| 1100.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8217.21       | 8234.14       | 486.26 | MWD<br>(Gyro) |      |
| 1200.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8117.27       | 8134.26       | 478.77 | MWD<br>(Gyro) |      |
| 1300.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 8017.32       | 8034.37       | 471.25 | MWD<br>(Gyro) |      |
| 1400.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7917.38       | 7934.49       | 463.70 | MWD<br>(Gyro) |      |
| 1500.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7817.44       | 7834.61       | 456.14 | MWD<br>(Gyro) |      |
| 1600.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7717.50       | 7734.74       | 448.57 | MWD<br>(Gyro) |      |
| 1700.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7617.56       | 7634.87       | 441.01 | MWD<br>(Gyro) |      |
| 1800.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7517.62       | 7535.00       | 433.46 | MWD<br>(Gyro) |      |
| 1900.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7417.68       | 7435.14       | 425.92 | MWD<br>(Gyro) |      |
| 2000.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7317.75       | 7335.28       | 418.41 | MWD<br>(Gyro) |      |
| 2100.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7217.81       | 7235.42       | 410.92 | MWD<br>(Gyro) |      |
| 2200.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7117.88       | 7135.57       | 403.45 | MWD<br>(Gyro) |      |
| 2300.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 7017.95       | 7035.72       | 396.02 | MWD<br>(Gyro) |      |
| 2400.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6918.03       | 6935.88       | 388.63 | MWD<br>(Gyro) |      |
| 2500.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6818.11       | 6836.04       | 381.27 | MWD<br>(Gyro) |      |
| 2600.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6718.19       | 6736.20       | 373.93 | MWD<br>(Gyro) |      |
| 2700.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6618.27       | 6636.37       | 366.62 | MWD<br>(Gyro) |      |
| 2800.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6518.36       | 6536.55       | 359.35 | MWD<br>(Gyro) |      |
| 2900.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6418.45       | 6436.73       | 352.12 | MWD<br>(Gyro) |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |               |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|---------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool   | Risk |
| 3000.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6318.54       | 6336.91       | 344.94 | MWD<br>(Gyro) |      |
| 3100.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6218.64       | 6237.11       | 337.81 | MWD<br>(Gyro) |      |
| 3200.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6118.75       | 6137.31       | 330.72 | MWD<br>(Gyro) |      |
| 3300.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 6018.86       | 6037.51       | 323.64 | MWD<br>(Gyro) |      |
| 3400.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 5918.97       | 5937.72       | 316.59 | MWD<br>(Gyro) |      |
| 3500.00                                                                                                                  | 9324.90        | 9323.46           | 157.06                  | 21.36              | 21.30              | 27.25                 | 5819.09       | 5837.94       | 309.60 | MWD<br>(Gyro) |      |
| 3600.00                                                                                                                  | 9324.90        | 9323.46           | 162.05                  | 21.36              | 21.30              | 27.25                 | 5719.27       | 5738.23       | 302.67 | MWD<br>(Gyro) |      |
| 3700.00                                                                                                                  | 9324.90        | 9323.46           | 165.06                  | 21.36              | 21.30              | 27.25                 | 5619.61       | 5638.67       | 295.78 | MWD<br>(Gyro) |      |
| 3800.00                                                                                                                  | 9324.90        | 9323.46           | 167.19                  | 21.36              | 21.30              | 27.25                 | 5520.13       | 5539.30       | 288.93 | MWD<br>(Gyro) |      |
| 3900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 5420.79       | 5440.07       | 282.11 | MWD<br>(Gyro) |      |
| 4000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 5321.47       | 5340.86       | 275.32 | MWD<br>(Gyro) |      |
| 4100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 5222.17       | 5241.69       | 268.59 | MWD<br>(Gyro) |      |
| 4200.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 5122.91       | 5142.55       | 261.92 | MWD<br>(Gyro) |      |
| 4300.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 5023.68       | 5043.44       | 255.30 | MWD<br>(Gyro) |      |
| 4400.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4924.48       | 4944.36       | 248.74 | MWD<br>(Gyro) |      |
| 4500.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4825.32       | 4845.33       | 242.24 | MWD<br>(Gyro) |      |
| 4600.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4726.20       | 4746.33       | 235.78 | MWD<br>(Gyro) |      |
| 4700.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4627.12       | 4647.38       | 229.39 | MWD<br>(Gyro) |      |
| 4800.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4528.08       | 4548.47       | 223.06 | MWD<br>(Gyro) |      |
| 4900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4429.09       | 4449.62       | 216.79 | MWD<br>(Gyro) |      |
| 5000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4330.15       | 4350.81       | 210.59 | MWD<br>(Gyro) |      |
| 5100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4231.26       | 4252.06       | 204.44 | MWD<br>(Gyro) |      |
| 5200.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4132.43       | 4153.37       | 198.35 | MWD<br>(Gyro) |      |
| 5300.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 4033.67       | 4054.75       | 192.33 | MWD<br>(Gyro) |      |
| 5400.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3934.96       | 3956.19       | 186.37 | MWD<br>(Gyro) |      |
| 5500.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3836.33       | 3857.71       | 180.47 | MWD<br>(Gyro) |      |
| 5600.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3737.78       | 3759.31       | 174.64 | MWD<br>(Gyro) |      |
| 5700.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3639.31       | 3660.99       | 168.83 | MWD<br>(Gyro) |      |
| 5800.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3540.92       | 3562.77       | 163.04 | MWD<br>(Gyro) |      |
| 5900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3442.63       | 3464.65       | 157.31 | MWD<br>(Gyro) |      |
| 6000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3344.45       | 3366.64       | 151.66 | MWD<br>(Gyro) |      |
| 6100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3246.38       | 3268.76       | 146.07 | MWD<br>(Gyro) |      |
| 6200.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3148.44       | 3171.00       | 140.56 | MWD<br>(Gyro) |      |
| 6300.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 3050.64       | 3073.39       | 135.11 | MWD<br>(Gyro) |      |
| 6400.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2953.00       | 2975.93       | 129.74 | MWD<br>(Gyro) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool                  | Risk |
| 6500.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2855.51       | 2878.66       | 124.37 | MWD<br>(Gyro)                |      |
| 6600.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2758.19       | 2781.57       | 119.00 | MWD<br>(Gyro)                |      |
| 6700.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2661.09       | 2684.70       | 113.71 | MWD<br>(Gyro)                |      |
| 6800.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2564.21       | 2588.06       | 108.50 | MWD<br>(Gyro)                |      |
| 6900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2467.60       | 2491.70       | 103.39 | MWD<br>(Gyro)                |      |
| 7000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2371.27       | 2395.63       | 98.36  | MWD<br>(Gyro)                |      |
| 7100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2275.26       | 2299.89       | 93.37  | MWD<br>(Gyro)                |      |
| 7200.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2179.60       | 2204.53       | 88.42  | MWD<br>(Gyro)                |      |
| 7300.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 2084.36       | 2109.61       | 83.56  | MWD<br>(Gyro)                |      |
| 7400.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1989.60       | 2015.17       | 78.82  | MWD<br>(Gyro)                |      |
| 7500.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1895.38       | 1921.30       | 74.12  | MWD<br>(Gyro)                |      |
| 7600.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1801.74       | 1828.08       | 69.42  | MWD<br>(Gyro)                |      |
| 7700.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1708.84       | 1735.61       | 64.85  | MWD<br>(Gyro)                |      |
| 7800.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1616.81       | 1644.02       | 60.41  | MWD<br>(Gyro)                |      |
| 7900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1525.73       | 1553.47       | 56.00  | MWD<br>(Gyro)                |      |
| 8000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1435.86       | 1464.16       | 51.74  | MWD<br>(Gyro)                |      |
| 8100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1347.34       | 1376.31       | 47.51  | MWD<br>(Gyro)                |      |
| 8200.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1260.54       | 1290.23       | 43.45  | MWD<br>(Gyro)                |      |
| 8300.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1175.81       | 1206.31       | 39.55  | MWD<br>(Gyro)                |      |
| 8400.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1093.58       | 1125.01       | 35.79  | MWD<br>(Gyro)                |      |
| 8500.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 1014.43       | 1046.96       | 32.19  | MWD<br>(Gyro)                |      |
| 8600.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 939.25        | 972.93        | 28.89  | MWD<br>(Gyro)                |      |
| 8700.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 868.85        | 903.92        | 25.78  | MWD<br>(Gyro)                |      |
| 8800.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 804.64        | 841.15        | 23.04  | MWD<br>(Gyro)                |      |
| 8900.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 748.05        | 786.14        | 20.64  | MWD<br>(Gyro)                |      |
| 9000.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 700.94        | 740.60        | 18.68  | MWD<br>(Gyro)                |      |
| 9100.00                                                                                                                  | 9324.90        | 9323.46           | 167.27                  | 21.36              | 21.30              | 27.25                 | 665.30        | 706.37        | 17.20  | MWD<br>(Gyro)                |      |
| 9200.00                                                                                                                  | 9848.12        | 10301.47          | 82.46                   | 24.14              | 15.17              | 30.15                 | 630.77        | 660.09        | 22.51  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 9300.00                                                                                                                  | 9848.22        | 10299.52          | 75.13                   | 24.13              | 15.17              | 30.15                 | 531.08        | 560.69        | 18.93  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 9400.00                                                                                                                  | 9848.41        | 10295.64          | 71.18                   | 24.10              | 15.16              | 30.13                 | 431.63        | 461.59        | 15.41  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 9500.00                                                                                                                  | 9848.78        | 10287.36          | 230.48                  | 24.04              | 15.13              | 30.10                 | 332.84        | 363.25        | 11.94  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 9600.00                                                                                                                  | 9849.76        | 10262.47          | 219.25                  | 23.86              | 15.06              | 30.00                 | 237.28        | 268.39        | 8.63   | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 9700.00                                                                                                                  | 9850.86        | 10222.25          | 221.34                  | 23.58              | 14.96              | 29.86                 | 148.52        | 181.26        | 5.54   | MWD (Wft<br>MWD Svy<br>ST01) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                              |        |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|------------------------------|--------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool                  | Risk   |
| 9800.00                                                                                                                  | 9851.68        | 10169.79          | 234.31                  | 23.23              | 14.85              | 29.68                 | 72.73         | 110.32        | 2.93  | MWD (Wft<br>MWD Svy<br>ST01) | SF(Lo) |
| 9900.00                                                                                                                  | 9850.36        | 10108.75          | 262.29                  | 22.87              | 14.66              | 29.49                 | 36.63         | 81.77         | 1.81  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10000.00                                                                                                                 | 9841.90        | 10047.72          | 293.72                  | 22.54              | 14.65              | 29.33                 | 75.24         | 115.88        | 2.85  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10100.00                                                                                                                 | 9826.59        | 9990.35           | 314.01                  | 22.26              | 14.94              | 29.18                 | 137.98        | 175.24        | 4.70  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10200.00                                                                                                                 | 9806.03        | 9936.70           | 325.56                  | 22.05              | 15.45              | 29.04                 | 201.68        | 238.22        | 6.52  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10300.00                                                                                                                 | 9780.50        | 9884.23           | 332.60                  | 21.87              | 16.05              | 28.91                 | 262.28        | 299.13        | 8.12  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10400.00                                                                                                                 | 9749.54        | 9830.36           | 335.92                  | 21.72              | 16.69              | 28.77                 | 319.71        | 357.27        | 9.51  | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10500.00                                                                                                                 | 9717.57        | 9780.63           | 337.69                  | 21.62              | 17.21              | 28.63                 | 382.13        | 420.38        | 10.99 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10600.00                                                                                                                 | 9690.07        | 9740.99           | 338.96                  | 21.55              | 17.68              | 28.51                 | 449.95        | 489.02        | 12.52 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10700.00                                                                                                                 | 9659.66        | 9699.64           | 340.07                  | 21.49              | 17.98              | 28.38                 | 522.57        | 562.27        | 14.16 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10800.00                                                                                                                 | 9629.25        | 9659.61           | 340.97                  | 21.45              | 18.25              | 28.26                 | 598.23        | 638.45        | 15.87 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 10900.00                                                                                                                 | 9605.54        | 9629.52           | 341.60                  | 21.42              | 18.58              | 28.16                 | 676.68        | 717.47        | 17.59 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11000.00                                                                                                                 | 9585.15        | 9604.53           | 342.12                  | 21.40              | 18.88              | 28.08                 | 757.91        | 799.21        | 19.35 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11100.00                                                                                                                 | 9565.81        | 9581.48           | 342.59                  | 21.38              | 19.14              | 28.01                 | 841.44        | 883.20        | 21.15 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11200.00                                                                                                                 | 9546.23        | 9558.64           | 343.05                  | 21.37              | 19.34              | 27.93                 | 926.87        | 969.01        | 22.99 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11300.00                                                                                                                 | 9528.41        | 9538.20           | 343.45                  | 21.36              | 19.52              | 27.86                 | 1013.77       | 1056.30       | 24.84 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11400.00                                                                                                                 | 9512.69        | 9520.46           | 343.79                  | 21.36              | 19.70              | 27.79                 | 1102.06       | 1144.89       | 26.73 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11500.00                                                                                                                 | 9499.48        | 9505.75           | 344.08                  | 21.35              | 19.86              | 27.74                 | 1191.60       | 1234.63       | 28.69 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11600.00                                                                                                                 | 9487.84        | 9492.95           | 344.34                  | 21.35              | 20.00              | 27.69                 | 1282.09       | 1325.40       | 30.60 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11700.00                                                                                                                 | 9477.02        | 9481.17           | 344.59                  | 21.34              | 20.13              | 27.65                 | 1373.53       | 1417.08       | 32.54 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11800.00                                                                                                                 | 9466.50        | 9469.81           | 344.82                  | 21.34              | 20.23              | 27.60                 | 1465.82       | 1509.51       | 34.55 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 11900.00                                                                                                                 | 9456.80        | 9459.42           | 345.04                  | 21.34              | 20.32              | 27.56                 | 1558.71       | 1602.61       | 36.51 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 12000.00                                                                                                                 | 9446.86        | 9448.84           | 345.26                  | 21.34              | 20.40              | 27.52                 | 1652.25       | 1696.28       | 38.52 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 12100.00                                                                                                                 | 9435.73        | 9437.04           | 345.50                  | 21.34              | 20.46              | 27.47                 | 1746.29       | 1790.42       | 40.57 | MWD (Wft<br>MWD Svy<br>ST01) |        |
| 12200.00                                                                                                                 | 9425.31        | 9426.05           | 345.72                  | 21.34              | 20.52              | 27.43                 | 1840.64       | 1884.97       | 42.51 | MWD (Wft<br>MWD Svy<br>ST01) |        |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool                  | Risk |
| 12300.00                                                                                                                 | 9417.18        | 9417.49           | 345.89                  | 21.33              | 20.58              | 27.40                 | 1935.51       | 1979.90       | 44.60 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12400.00                                                                                                                 | 9411.07        | 9411.10           | 346.02                  | 21.33              | 20.63              | 27.37                 | 2030.61       | 2075.20       | 46.54 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12500.00                                                                                                                 | 9405.38        | 9405.16           | 346.14                  | 21.33              | 20.68              | 27.35                 | 2126.18       | 2170.83       | 48.61 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12600.00                                                                                                                 | 9400.07        | 9399.64           | 346.26                  | 21.33              | 20.73              | 27.33                 | 2222.03       | 2266.78       | 50.65 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12700.00                                                                                                                 | 9395.10        | 9394.49           | 346.36                  | 21.33              | 20.77              | 27.31                 | 2318.12       | 2363.00       | 52.65 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12800.00                                                                                                                 | 9390.46        | 9389.68           | 346.46                  | 21.33              | 20.81              | 27.29                 | 2414.50       | 2459.47       | 54.69 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 12900.00                                                                                                                 | 9388.04        | 9387.19           | 346.51                  | 21.33              | 20.84              | 27.28                 | 2511.14       | 2556.17       | 56.77 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13000.00                                                                                                                 | 9386.10        | 9385.19           | 346.55                  | 21.33              | 20.88              | 27.28                 | 2608.04       | 2653.10       | 58.88 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13100.00                                                                                                                 | 9384.29        | 9383.33           | 346.59                  | 21.33              | 20.91              | 27.28                 | 2705.12       | 2750.23       | 60.97 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13200.00                                                                                                                 | 9382.59        | 9381.58           | 346.63                  | 21.33              | 20.93              | 27.28                 | 2802.35       | 2847.54       | 63.00 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13300.00                                                                                                                 | 9380.99        | 9379.94           | 346.66                  | 21.33              | 20.96              | 27.28                 | 2899.76       | 2945.03       | 65.05 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13400.00                                                                                                                 | 9379.48        | 9378.40           | 346.69                  | 21.33              | 20.98              | 27.28                 | 2997.30       | 3042.66       | 67.08 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13500.00                                                                                                                 | 9378.06        | 9376.95           | 346.72                  | 21.33              | 21.00              | 27.28                 | 3094.99       | 3140.44       | 69.10 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13600.00                                                                                                                 | 9376.71        | 9375.57           | 346.75                  | 21.34              | 21.02              | 27.28                 | 3192.81       | 3238.34       | 71.14 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13700.00                                                                                                                 | 9375.44        | 9374.28           | 346.77                  | 21.34              | 21.04              | 27.28                 | 3290.76       | 3336.35       | 73.18 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13800.00                                                                                                                 | 9374.24        | 9373.05           | 346.80                  | 21.34              | 21.05              | 27.28                 | 3388.82       | 3434.48       | 75.22 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 13900.00                                                                                                                 | 9373.09        | 9371.89           | 346.82                  | 21.34              | 21.07              | 27.28                 | 3486.98       | 3532.70       | 77.27 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14000.00                                                                                                                 | 9372.01        | 9370.79           | 346.84                  | 21.34              | 21.08              | 27.28                 | 3585.24       | 3631.02       | 79.32 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14100.00                                                                                                                 | 9370.98        | 9369.74           | 346.86                  | 21.34              | 21.09              | 27.28                 | 3683.59       | 3729.42       | 81.37 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14200.00                                                                                                                 | 9369.99        | 9368.74           | 346.88                  | 21.34              | 21.10              | 27.27                 | 3782.01       | 3827.90       | 83.43 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14300.00                                                                                                                 | 9369.05        | 9367.79           | 346.90                  | 21.34              | 21.12              | 27.27                 | 3880.51       | 3926.45       | 85.48 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14400.00                                                                                                                 | 9368.16        | 9366.88           | 346.92                  | 21.34              | 21.12              | 27.27                 | 3979.08       | 4025.07       | 87.54 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14500.00                                                                                                                 | 9367.30        | 9366.02           | 346.93                  | 21.34              | 21.13              | 27.27                 | 4077.72       | 4123.75       | 89.59 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14600.00                                                                                                                 | 9366.49        | 9365.19           | 346.95                  | 21.34              | 21.14              | 27.27                 | 4176.41       | 4222.49       | 91.65 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14700.00                                                                                                                 | 9365.70        | 9364.40           | 346.96                  | 21.34              | 21.15              | 27.27                 | 4275.16       | 4321.28       | 93.70 | MWD (Wft<br>MWD Svy<br>ST01) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool                  | Risk |
| 14800.00                                                                                                                 | 9364.95        | 9363.64           | 346.98                  | 21.34              | 21.16              | 27.27                 | 4373.97       | 4420.13       | 95.75  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 14900.00                                                                                                                 | 9364.24        | 9362.91           | 346.99                  | 21.35              | 21.16              | 27.27                 | 4472.82       | 4519.03       | 97.80  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15000.00                                                                                                                 | 9363.55        | 9362.22           | 347.00                  | 21.35              | 21.17              | 27.27                 | 4571.72       | 4617.97       | 99.85  | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15100.00                                                                                                                 | 9362.88        | 9361.55           | 347.02                  | 21.35              | 21.17              | 27.27                 | 4670.66       | 4716.95       | 101.89 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15200.00                                                                                                                 | 9362.25        | 9360.90           | 347.03                  | 21.35              | 21.18              | 27.27                 | 4769.63       | 4815.97       | 103.91 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15300.00                                                                                                                 | 9361.63        | 9360.29           | 347.04                  | 21.35              | 21.19              | 27.27                 | 4868.63       | 4915.04       | 105.92 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15400.00                                                                                                                 | 9361.04        | 9359.69           | 347.05                  | 21.35              | 21.19              | 27.27                 | 4967.67       | 5014.13       | 107.92 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15500.00                                                                                                                 | 9360.48        | 9359.12           | 347.06                  | 21.35              | 21.19              | 27.27                 | 5066.75       | 5113.26       | 109.92 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15600.00                                                                                                                 | 9359.93        | 9358.57           | 347.07                  | 21.35              | 21.20              | 27.27                 | 5165.85       | 5212.43       | 111.92 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15700.00                                                                                                                 | 9359.40        | 9358.03           | 347.08                  | 21.35              | 21.20              | 27.27                 | 5264.99       | 5311.62       | 113.91 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15800.00                                                                                                                 | 9358.89        | 9357.52           | 347.09                  | 21.35              | 21.21              | 27.27                 | 5364.15       | 5410.84       | 115.90 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 15900.00                                                                                                                 | 9358.40        | 9357.03           | 347.10                  | 21.35              | 21.21              | 27.27                 | 5463.35       | 5510.09       | 117.88 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16000.00                                                                                                                 | 9357.92        | 9356.55           | 347.11                  | 21.35              | 21.21              | 27.27                 | 5562.56       | 5609.36       | 119.86 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16100.00                                                                                                                 | 9357.46        | 9356.08           | 347.12                  | 21.35              | 21.22              | 27.27                 | 5661.81       | 5708.66       | 121.84 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16200.00                                                                                                                 | 9357.02        | 9355.64           | 347.13                  | 21.35              | 21.22              | 27.27                 | 5761.07       | 5807.98       | 123.81 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16300.00                                                                                                                 | 9356.59        | 9355.20           | 347.14                  | 21.35              | 21.22              | 27.27                 | 5860.36       | 5907.33       | 125.78 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16400.00                                                                                                                 | 9356.17        | 9354.78           | 347.14                  | 21.36              | 21.22              | 27.27                 | 5959.67       | 6006.69       | 127.74 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16500.00                                                                                                                 | 9355.77        | 9354.38           | 347.15                  | 21.36              | 21.23              | 27.27                 | 6059.00       | 6106.07       | 129.70 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16600.00                                                                                                                 | 9355.38        | 9353.98           | 347.16                  | 21.36              | 21.23              | 27.27                 | 6158.34       | 6205.48       | 131.65 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16700.00                                                                                                                 | 9355.00        | 9353.60           | 347.17                  | 21.36              | 21.23              | 27.27                 | 6257.70       | 6304.90       | 133.57 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16800.00                                                                                                                 | 9354.63        | 9353.23           | 347.17                  | 21.36              | 21.23              | 27.27                 | 6357.06       | 6404.34       | 135.47 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 16900.00                                                                                                                 | 9354.27        | 9352.87           | 347.18                  | 21.36              | 21.23              | 27.27                 | 6456.45       | 6503.80       | 137.36 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17000.00                                                                                                                 | 9353.92        | 9352.52           | 347.19                  | 21.36              | 21.24              | 27.27                 | 6555.84       | 6603.27       | 139.24 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17100.00                                                                                                                 | 9353.59        | 9352.18           | 347.19                  | 21.36              | 21.24              | 27.27                 | 6655.26       | 6702.75       | 141.12 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17200.00                                                                                                                 | 9353.26        | 9351.85           | 347.20                  | 21.36              | 21.24              | 27.27                 | 6754.68       | 6802.26       | 142.99 | MWD (Wft<br>MWD Svy<br>ST01) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST01 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool                  | Risk |
| 17300.00                                                                                                                 | 9352.94        | 9351.53           | 347.21                  | 21.36              | 21.24              | 27.27                 | 6854.13       | 6901.77       | 144.85 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17400.00                                                                                                                 | 9352.63        | 9351.22           | 347.21                  | 21.36              | 21.24              | 27.27                 | 6953.58       | 7001.30       | 146.71 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17500.00                                                                                                                 | 9352.33        | 9350.92           | 347.22                  | 21.36              | 21.24              | 27.27                 | 7053.05       | 7100.84       | 148.57 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17600.00                                                                                                                 | 9352.03        | 9350.62           | 347.22                  | 21.36              | 21.25              | 27.27                 | 7152.53       | 7200.40       | 150.41 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17700.00                                                                                                                 | 9351.75        | 9350.34           | 347.23                  | 21.36              | 21.25              | 27.26                 | 7252.02       | 7299.96       | 152.25 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17800.00                                                                                                                 | 9351.47        | 9350.06           | 347.23                  | 21.36              | 21.25              | 27.26                 | 7351.52       | 7399.54       | 154.09 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17900.00                                                                                                                 | 9351.20        | 9349.79           | 347.24                  | 21.36              | 21.25              | 27.26                 | 7451.03       | 7499.13       | 155.92 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| 17996.84                                                                                                                 | 9350.94        | 9349.53           | 347.24                  | 21.36              | 21.25              | 27.26                 | 7547.40       | 7595.57       | 157.68 | MWD (Wft<br>MWD Svy<br>ST01) |      |
| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                              |      |
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool                  | Risk |
| 0.00                                                                                                                     | 5.00           | 0.00              | 179.85                  | 0.00               | 0.00               | 0.00                  | 278.54        | 279.26        | 391.95 | NSG Cont<br>(Gyro)           |      |
| 100.00                                                                                                                   | 100.09         | 95.09             | 179.81                  | 0.13               | 0.13               | 2.10                  | 278.25        | 279.20        | 294.70 | NSG Cont<br>(Gyro)           |      |
| 200.00                                                                                                                   | 199.41         | 194.41            | 179.66                  | 0.36               | 0.36               | 2.63                  | 277.85        | 279.25        | 199.12 | NSG Cont<br>(Gyro)           |      |
| 300.00                                                                                                                   | 299.62         | 294.64            | 179.39                  | 0.62               | 0.62               | 2.63                  | 277.57        | 279.46        | 147.82 | NSG Cont<br>(Gyro)           |      |
| 400.00                                                                                                                   | 400.31         | 395.34            | 179.06                  | 0.89               | 0.89               | 2.63                  | 277.10        | 279.48        | 117.33 | NSG Cont<br>(Gyro)           |      |
| 500.00                                                                                                                   | 499.59         | 494.63            | 178.73                  | 1.15               | 1.15               | 2.64                  | 276.61        | 279.48        | 97.38  | NSG Cont<br>(Gyro)           |      |
| 600.00                                                                                                                   | 599.39         | 594.44            | 178.43                  | 1.42               | 1.42               | 2.65                  | 276.31        | 279.66        | 83.30  | NSG Cont<br>(Gyro)           |      |
| 700.00                                                                                                                   | 699.43         | 694.49            | 178.15                  | 1.68               | 1.68               | 2.65                  | 276.04        | 279.88        | 72.79  | NSG Cont<br>(Gyro)           |      |
| 800.00                                                                                                                   | 800.01         | 795.08            | 177.87                  | 1.95               | 1.95               | 2.66                  | 275.63        | 279.96        | 64.58  | NSG Cont<br>(Gyro)           |      |
| 900.00                                                                                                                   | 899.71         | 894.79            | 177.56                  | 2.21               | 2.21               | 2.67                  | 275.19        | 280.01        | 58.06  | NSG Cont<br>(Gyro)           |      |
| 1000.00                                                                                                                  | 999.14         | 994.23            | 177.26                  | 2.47               | 2.47               | 2.68                  | 274.87        | 280.18        | 52.77  | NSG Cont<br>(Gyro)           |      |
| 1100.00                                                                                                                  | 1098.26        | 1093.35           | 177.06                  | 2.72               | 2.72               | 2.69                  | 274.93        | 280.72        | 48.50  | NSG Cont<br>(Gyro)           |      |
| 1200.00                                                                                                                  | 1198.39        | 1193.49           | 176.87                  | 2.98               | 2.98               | 2.70                  | 274.99        | 281.26        | 44.88  | NSG Cont<br>(Gyro)           |      |
| 1300.00                                                                                                                  | 1298.24        | 1293.35           | 176.63                  | 3.24               | 3.23               | 2.71                  | 275.17        | 281.92        | 41.77  | NSG Cont<br>(Gyro)           |      |
| 1400.00                                                                                                                  | 1397.97        | 1393.09           | 176.38                  | 3.47               | 3.47               | 2.72                  | 275.29        | 282.50        | 39.22  | NSG Cont<br>(Gyro)           |      |
| 1500.00                                                                                                                  | 1497.05        | 1492.18           | 176.36                  | 3.65               | 3.65               | 2.73                  | 275.82        | 283.42        | 37.28  | NSG Cont<br>(Gyro)           |      |
| 1600.00                                                                                                                  | 1596.67        | 1591.80           | 176.34                  | 3.83               | 3.83               | 2.75                  | 276.51        | 284.53        | 35.51  | NSG Cont<br>(Gyro)           |      |
| 1700.00                                                                                                                  | 1696.46        | 1691.60           | 176.26                  | 4.03               | 4.03               | 2.76                  | 277.31        | 285.74        | 33.87  | NSG Cont<br>(Gyro)           |      |
| 1800.00                                                                                                                  | 1795.73        | 1790.88           | 176.22                  | 4.24               | 4.24               | 2.77                  | 278.20        | 287.07        | 32.39  | NSG Cont<br>(Gyro)           |      |
| 1900.00                                                                                                                  | 1896.59        | 1891.75           | 176.16                  | 4.45               | 4.45               | 2.78                  | 279.20        | 288.51        | 30.99  | NSG Cont<br>(Gyro)           |      |
| 2000.00                                                                                                                  | 1997.49        | 1992.65           | 176.12                  | 4.68               | 4.68               | 2.79                  | 279.74        | 289.50        | 29.66  | NSG Cont<br>(Gyro)           |      |
| 2100.00                                                                                                                  | 2097.08        | 2092.25           | 176.04                  | 4.92               | 4.92               | 2.81                  | 280.19        | 290.40        | 28.43  | NSG Cont<br>(Gyro)           |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                    |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|--------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool        | Risk |
| 2200.00                                                                                                                  | 2196.44        | 2191.62           | 175.94                  | 5.16               | 5.16               | 2.82                  | 280.84        | 291.51        | 27.31 | NSG Cont<br>(Gyro) |      |
| 2300.00                                                                                                                  | 2298.88        | 2294.07           | 175.80                  | 5.43               | 5.42               | 2.84                  | 281.20        | 292.36        | 26.19 | NSG Cont<br>(Gyro) |      |
| 2400.00                                                                                                                  | 2399.08        | 2394.26           | 175.68                  | 5.69               | 5.68               | 2.85                  | 281.07        | 292.72        | 25.13 | NSG Cont<br>(Gyro) |      |
| 2500.00                                                                                                                  | 2500.74        | 2495.93           | 175.52                  | 5.93               | 5.92               | 2.86                  | 280.61        | 292.71        | 24.18 | NSG Cont<br>(Gyro) |      |
| 2600.00                                                                                                                  | 2600.51        | 2595.72           | 175.17                  | 6.15               | 6.15               | 2.88                  | 279.94        | 292.51        | 23.28 | NSG Cont<br>(Gyro) |      |
| 2700.00                                                                                                                  | 2700.44        | 2695.68           | 174.74                  | 6.39               | 6.38               | 2.90                  | 279.30        | 292.33        | 22.43 | NSG Cont<br>(Gyro) |      |
| 2800.00                                                                                                                  | 2799.44        | 2794.70           | 174.21                  | 6.63               | 6.62               | 2.91                  | 278.77        | 292.27        | 21.66 | NSG Cont<br>(Gyro) |      |
| 2900.00                                                                                                                  | 2896.02        | 2891.36           | 173.51                  | 6.87               | 6.86               | 2.93                  | 279.02        | 292.98        | 20.99 | NSG Cont<br>(Gyro) |      |
| 3000.00                                                                                                                  | 2991.86        | 2987.31           | 172.71                  | 7.13               | 7.11               | 2.95                  | 280.66        | 295.10        | 20.43 | NSG Cont<br>(Gyro) |      |
| 3100.00                                                                                                                  | 3090.02        | 3085.62           | 171.86                  | 7.39               | 7.37               | 2.97                  | 283.35        | 298.29        | 19.97 | NSG Cont<br>(Gyro) |      |
| 3200.00                                                                                                                  | 3192.23        | 3187.99           | 170.96                  | 7.66               | 7.64               | 2.99                  | 285.97        | 301.41        | 19.52 | NSG Cont<br>(Gyro) |      |
| 3300.00                                                                                                                  | 3296.35        | 3292.24           | 169.99                  | 7.93               | 7.91               | 3.01                  | 287.31        | 303.26        | 19.02 | NSG Cont<br>(Gyro) |      |
| 3400.00                                                                                                                  | 3399.38        | 3395.41           | 169.00                  | 8.19               | 8.17               | 3.04                  | 287.50        | 303.93        | 18.51 | NSG Cont<br>(Gyro) |      |
| 3500.00                                                                                                                  | 3498.36        | 3494.51           | 168.10                  | 8.43               | 8.41               | 3.06                  | 287.21        | 304.09        | 18.01 | NSG Cont<br>(Gyro) |      |
| 3600.00                                                                                                                  | 3597.76        | 3594.04           | 167.62                  | 8.68               | 8.66               | 3.09                  | 288.36        | 305.70        | 17.63 | NSG Cont<br>(Gyro) |      |
| 3700.00                                                                                                                  | 3697.75        | 3694.13           | 166.87                  | 8.94               | 8.91               | 3.12                  | 291.14        | 308.96        | 17.34 | NSG Cont<br>(Gyro) |      |
| 3800.00                                                                                                                  | 3799.82        | 3796.31           | 166.22                  | 9.19               | 9.16               | 3.15                  | 295.34        | 313.64        | 17.14 | NSG Cont<br>(Gyro) |      |
| 3900.00                                                                                                                  | 3904.70        | 3901.28           | 165.64                  | 9.42               | 9.40               | 3.18                  | 299.30        | 318.06        | 16.96 | NSG Cont<br>(Gyro) |      |
| 4000.00                                                                                                                  | 4004.14        | 4000.82           | 165.16                  | 9.63               | 9.61               | 3.21                  | 302.53        | 321.73        | 16.76 | NSG Cont<br>(Gyro) |      |
| 4100.00                                                                                                                  | 4107.41        | 4104.17           | 164.78                  | 9.83               | 9.80               | 3.25                  | 305.23        | 324.85        | 16.56 | NSG Cont<br>(Gyro) |      |
| 4200.00                                                                                                                  | 4205.76        | 4202.59           | 164.54                  | 10.00              | 9.97               | 3.28                  | 307.68        | 327.70        | 16.37 | NSG Cont<br>(Gyro) |      |
| 4300.00                                                                                                                  | 4302.14        | 4298.99           | 164.43                  | 10.19              | 10.16              | 3.32                  | 311.04        | 331.47        | 16.22 | NSG Cont<br>(Gyro) |      |
| 4400.00                                                                                                                  | 4401.43        | 4398.30           | 164.38                  | 10.40              | 10.37              | 3.36                  | 314.94        | 335.78        | 16.12 | NSG Cont<br>(Gyro) |      |
| 4500.00                                                                                                                  | 4499.41        | 4496.32           | 164.17                  | 10.62              | 10.59              | 3.40                  | 319.06        | 340.36        | 15.98 | NSG Cont<br>(Gyro) |      |
| 4600.00                                                                                                                  | 4594.67        | 4591.66           | 163.81                  | 10.87              | 10.83              | 3.44                  | 324.21        | 345.98        | 15.90 | NSG Cont<br>(Gyro) |      |
| 4700.00                                                                                                                  | 4689.69        | 4686.78           | 163.33                  | 11.12              | 11.08              | 3.48                  | 330.67        | 352.93        | 15.86 | NSG Cont<br>(Gyro) |      |
| 4800.00                                                                                                                  | 4785.97        | 4783.21           | 162.92                  | 11.37              | 11.33              | 3.53                  | 338.40        | 361.14        | 15.88 | NSG Cont<br>(Gyro) |      |
| 4900.00                                                                                                                  | 4885.94        | 4883.28           | 162.70                  | 11.63              | 11.59              | 3.59                  | 346.41        | 369.63        | 15.92 | NSG Cont<br>(Gyro) |      |
| 5000.00                                                                                                                  | 4987.12        | 4984.54           | 162.56                  | 11.89              | 11.85              | 3.64                  | 354.20        | 377.90        | 15.94 | NSG Cont<br>(Gyro) |      |
| 5100.00                                                                                                                  | 5087.79        | 5085.28           | 162.40                  | 12.15              | 12.11              | 3.70                  | 361.46        | 385.64        | 15.95 | NSG Cont<br>(Gyro) |      |
| 5200.00                                                                                                                  | 5188.52        | 5186.08           | 162.26                  | 12.42              | 12.37              | 3.76                  | 368.69        | 393.34        | 15.96 | NSG Cont<br>(Gyro) |      |
| 5300.00                                                                                                                  | 5291.20        | 5288.80           | 162.19                  | 12.69              | 12.64              | 3.82                  | 375.27        | 400.41        | 15.93 | NSG Cont<br>(Gyro) |      |
| 5400.00                                                                                                                  | 5392.40        | 5390.04           | 162.06                  | 12.96              | 12.90              | 3.89                  | 381.24        | 406.86        | 15.88 | NSG Cont<br>(Gyro) |      |
| 5500.00                                                                                                                  | 5488.82        | 5486.50           | 161.98                  | 13.21              | 13.15              | 3.96                  | 387.39        | 413.48        | 15.85 | NSG Cont<br>(Gyro) |      |
| 5600.00                                                                                                                  | 5590.65        | 5588.37           | 161.98                  | 13.47              | 13.41              | 4.03                  | 394.01        | 420.58        | 15.83 | NSG Cont<br>(Gyro) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                    |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|--------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool        | Risk |
| 5700.00                                                                                                                  | 5692.75        | 5690.49           | 161.95                  | 13.74              | 13.68              | 4.10                  | 399.84        | 426.90        | 15.78 | NSG Cont<br>(Gyro) |      |
| 5800.00                                                                                                                  | 5787.42        | 5785.18           | 161.96                  | 13.98              | 13.92              | 4.18                  | 405.98        | 433.51        | 15.75 | NSG Cont<br>(Gyro) |      |
| 5900.00                                                                                                                  | 5888.37        | 5886.16           | 162.05                  | 14.22              | 14.17              | 4.26                  | 412.71        | 440.72        | 15.73 | NSG Cont<br>(Gyro) |      |
| 6000.00                                                                                                                  | 5989.31        | 5987.12           | 162.13                  | 14.47              | 14.42              | 4.34                  | 419.07        | 447.57        | 15.71 | NSG Cont<br>(Gyro) |      |
| 6100.00                                                                                                                  | 6087.11        | 6084.95           | 162.17                  | 14.72              | 14.66              | 4.42                  | 425.54        | 454.52        | 15.68 | NSG Cont<br>(Gyro) |      |
| 6200.00                                                                                                                  | 6186.57        | 6184.44           | 162.19                  | 14.98              | 14.92              | 4.51                  | 432.21        | 461.68        | 15.67 | NSG Cont<br>(Gyro) |      |
| 6300.00                                                                                                                  | 6285.52        | 6283.42           | 162.30                  | 15.21              | 15.15              | 4.60                  | 439.13        | 469.05        | 15.67 | NSG Cont<br>(Gyro) |      |
| 6400.00                                                                                                                  | 6389.44        | 6387.37           | 162.43                  | 15.46              | 15.39              | 4.70                  | 445.50        | 475.91        | 15.65 | NSG Cont<br>(Gyro) |      |
| 6500.00                                                                                                                  | 6489.28        | 6487.21           | 162.53                  | 15.71              | 15.64              | 4.80                  | 451.40        | 482.29        | 15.62 | NSG Cont<br>(Gyro) |      |
| 6600.00                                                                                                                  | 6586.98        | 6584.93           | 162.62                  | 15.95              | 15.88              | 4.90                  | 457.69        | 489.04        | 15.60 | NSG Cont<br>(Gyro) |      |
| 6700.00                                                                                                                  | 6687.91        | 6685.88           | 162.75                  | 16.19              | 16.12              | 5.00                  | 464.08        | 495.90        | 15.59 | NSG Cont<br>(Gyro) |      |
| 6800.00                                                                                                                  | 6790.39        | 6788.37           | 162.84                  | 16.44              | 16.38              | 5.12                  | 469.96        | 502.27        | 15.55 | NSG Cont<br>(Gyro) |      |
| 6900.00                                                                                                                  | 6887.74        | 6885.73           | 162.93                  | 16.69              | 16.62              | 5.22                  | 475.65        | 508.42        | 15.51 | NSG Cont<br>(Gyro) |      |
| 7000.00                                                                                                                  | 6986.02        | 6984.02           | 163.09                  | 16.89              | 16.82              | 5.34                  | 482.20        | 515.40        | 15.53 | NSG Cont<br>(Gyro) |      |
| 7100.00                                                                                                                  | 7088.37        | 7086.39           | 163.36                  | 17.05              | 16.98              | 5.46                  | 488.45        | 522.03        | 15.55 | NSG Cont<br>(Gyro) |      |
| 7200.00                                                                                                                  | 7190.01        | 7188.05           | 163.58                  | 17.21              | 17.14              | 5.58                  | 494.28        | 528.24        | 15.55 | NSG Cont<br>(Gyro) |      |
| 7300.00                                                                                                                  | 7287.50        | 7285.54           | 163.77                  | 17.38              | 17.32              | 5.70                  | 500.06        | 534.42        | 15.55 | NSG Cont<br>(Gyro) |      |
| 7400.00                                                                                                                  | 7389.70        | 7387.75           | 163.89                  | 17.61              | 17.54              | 5.83                  | 506.01        | 540.82        | 15.53 | NSG Cont<br>(Gyro) |      |
| 7500.00                                                                                                                  | 7491.08        | 7489.13           | 164.02                  | 17.85              | 17.78              | 5.96                  | 511.40        | 546.69        | 15.49 | NSG Cont<br>(Gyro) |      |
| 7600.00                                                                                                                  | 7588.52        | 7586.57           | 164.09                  | 18.10              | 18.04              | 6.09                  | 516.88        | 552.64        | 15.45 | NSG Cont<br>(Gyro) |      |
| 7700.00                                                                                                                  | 7685.48        | 7683.55           | 164.16                  | 18.34              | 18.28              | 6.23                  | 522.86        | 559.09        | 15.43 | NSG Cont<br>(Gyro) |      |
| 7800.00                                                                                                                  | 7780.12        | 7778.21           | 164.30                  | 18.55              | 18.49              | 6.36                  | 529.58        | 566.23        | 15.45 | NSG Cont<br>(Gyro) |      |
| 7900.00                                                                                                                  | 7880.76        | 7878.88           | 164.45                  | 18.76              | 18.70              | 6.51                  | 536.69        | 573.77        | 15.47 | NSG Cont<br>(Gyro) |      |
| 8000.00                                                                                                                  | 7980.71        | 7978.85           | 164.63                  | 18.97              | 18.91              | 6.65                  | 543.67        | 581.18        | 15.50 | NSG Cont<br>(Gyro) |      |
| 8100.00                                                                                                                  | 8079.18        | 8077.36           | 164.74                  | 19.18              | 19.12              | 6.80                  | 550.78        | 588.71        | 15.52 | NSG Cont<br>(Gyro) |      |
| 8200.00                                                                                                                  | 8179.86        | 8178.07           | 164.85                  | 19.41              | 19.35              | 6.96                  | 557.79        | 596.16        | 15.54 | NSG Cont<br>(Gyro) |      |
| 8300.00                                                                                                                  | 8276.90        | 8275.13           | 164.99                  | 19.62              | 19.56              | 7.11                  | 565.07        | 603.89        | 15.56 | NSG Cont<br>(Gyro) |      |
| 8400.00                                                                                                                  | 8378.23        | 8376.50           | 165.16                  | 19.83              | 19.77              | 7.27                  | 572.38        | 611.66        | 15.57 | NSG Cont<br>(Gyro) |      |
| 8500.00                                                                                                                  | 8480.05        | 8478.35           | 165.29                  | 20.05              | 19.99              | 7.44                  | 579.32        | 619.06        | 15.58 | NSG Cont<br>(Gyro) |      |
| 8600.00                                                                                                                  | 8580.34        | 8578.67           | 165.48                  | 20.24              | 20.17              | 7.61                  | 586.10        | 626.28        | 15.59 | NSG Cont<br>(Gyro) |      |
| 8700.00                                                                                                                  | 8681.97        | 8680.32           | 165.72                  | 20.40              | 20.33              | 7.78                  | 592.80        | 633.37        | 15.61 | NSG Cont<br>(Gyro) |      |
| 8800.00                                                                                                                  | 8781.54        | 8779.91           | 165.98                  | 20.53              | 20.47              | 7.95                  | 599.19        | 640.13        | 15.63 | NSG Cont<br>(Gyro) |      |
| 8900.00                                                                                                                  | 8879.83        | 8878.24           | 166.22                  | 20.67              | 20.61              | 8.12                  | 605.91        | 647.23        | 15.67 | NSG Cont<br>(Gyro) |      |
| 9000.00                                                                                                                  | 8976.94        | 8975.38           | 166.47                  | 20.82              | 20.76              | 8.30                  | 612.80        | 654.49        | 15.70 | NSG Cont<br>(Gyro) |      |
| 9100.00                                                                                                                  | 9077.98        | 9076.46           | 166.71                  | 20.98              | 20.92              | 8.48                  | 620.02        | 662.10        | 15.73 | NSG Cont<br>(Gyro) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool                  | Risk |
| 9200.00                                                                                                                  | 9178.94        | 9177.45           | 166.95                  | 21.15              | 21.08              | 8.67                  | 626.53        | 668.97        | 15.76 | NSG Cont<br>(Gyro)           |      |
| 9300.00                                                                                                                  | 9277.72        | 9276.27           | 167.14                  | 21.30              | 21.24              | 8.85                  | 631.57        | 674.33        | 15.77 | NSG Cont<br>(Gyro)           |      |
| 9400.00                                                                                                                  | 9974.14        | 10209.00          | 154.97                  | 23.05              | 15.13              | 30.27                 | 594.52        | 626.13        | 19.81 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 9500.00                                                                                                                  | 9974.14        | 10209.00          | 327.93                  | 23.05              | 15.13              | 30.27                 | 500.96        | 533.57        | 16.36 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 9600.00                                                                                                                  | 9974.14        | 10209.00          | 308.20                  | 23.05              | 15.13              | 30.27                 | 405.19        | 438.74        | 13.08 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 9700.00                                                                                                                  | 9974.14        | 10209.00          | 277.34                  | 23.05              | 15.13              | 30.27                 | 308.35        | 342.80        | 9.95  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 9800.00                                                                                                                  | 9974.14        | 10209.00          | 250.30                  | 23.05              | 15.13              | 30.27                 | 213.69        | 249.07        | 7.04  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 9900.00                                                                                                                  | 9974.14        | 10209.00          | 236.62                  | 23.05              | 15.13              | 30.27                 | 129.73        | 166.57        | 4.52  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10000.00                                                                                                                 | 9967.51        | 10168.14          | 245.38                  | 22.79              | 15.23              | 30.16                 | 77.82         | 119.74        | 2.86  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10100.00                                                                                                                 | 9947.72        | 10093.72          | 271.68                  | 22.38              | 15.51              | 29.98                 | 69.15         | 114.02        | 2.54  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10200.00                                                                                                                 | 9921.60        | 10023.30          | 295.45                  | 22.06              | 16.03              | 29.82                 | 103.17        | 145.40        | 3.44  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10300.00                                                                                                                 | 9891.35        | 9961.28           | 311.43                  | 21.85              | 16.84              | 29.69                 | 152.16        | 192.53        | 4.77  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10400.00                                                                                                                 | 9858.08        | 9906.59           | 319.80                  | 21.72              | 17.73              | 29.56                 | 206.59        | 246.88        | 6.13  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10500.00                                                                                                                 | 9826.31        | 9861.20           | 324.46                  | 21.63              | 18.46              | 29.45                 | 270.43        | 311.04        | 7.66  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10600.00                                                                                                                 | 9797.44        | 9823.63           | 327.91                  | 21.58              | 19.01              | 29.34                 | 342.33        | 383.47        | 9.32  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10700.00                                                                                                                 | 9770.12        | 9789.97           | 330.62                  | 21.54              | 19.37              | 29.23                 | 419.84        | 461.55        | 11.07 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10800.00                                                                                                                 | 9745.07        | 9760.26           | 332.70                  | 21.52              | 19.66              | 29.12                 | 501.47        | 543.59        | 12.90 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 10900.00                                                                                                                 | 9721.28        | 9732.74           | 334.40                  | 21.50              | 19.86              | 29.03                 | 586.02        | 628.47        | 14.81 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11000.00                                                                                                                 | 9701.99        | 9710.89           | 335.62                  | 21.49              | 20.06              | 28.95                 | 672.84        | 715.60        | 16.73 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11100.00                                                                                                                 | 9684.27        | 9691.18           | 336.63                  | 21.48              | 20.23              | 28.87                 | 761.49        | 804.57        | 18.67 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11200.00                                                                                                                 | 9668.24        | 9673.60           | 337.48                  | 21.47              | 20.37              | 28.80                 | 851.66        | 895.00        | 20.65 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11300.00                                                                                                                 | 9654.50        | 9658.72           | 338.17                  | 21.47              | 20.48              | 28.75                 | 943.12        | 986.62        | 22.68 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11400.00                                                                                                                 | 9642.21        | 9645.53           | 338.75                  | 21.47              | 20.58              | 28.69                 | 1035.57       | 1079.25       | 24.71 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11500.00                                                                                                                 | 9631.26        | 9633.87           | 339.23                  | 21.47              | 20.66              | 28.65                 | 1128.80       | 1172.72       | 26.70 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11600.00                                                                                                                 | 9621.40        | 9623.44           | 339.65                  | 21.46              | 20.73              | 28.60                 | 1222.84       | 1266.91       | 28.75 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 11700.00                                                                                                                 | 9612.45        | 9614.03           | 340.02                  | 21.46              | 20.79              | 28.56                 | 1317.54       | 1361.69       | 30.84 | MWD (Wft<br>MWD Svy<br>ST00) |      |



## 5D Anti-Collision Report.

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |                        |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool            | Risk |
| 11800.00                                                                                                                 | 9603.67        | 9604.83           | 340.36                  | 21.46              | 20.84              | 28.53                 | 1412.67       | 1456.98       | 32.88 | MWD (Wft MWD Svy ST00) |      |
| 11900.00                                                                                                                 | 9595.09        | 9595.89           | 340.68                  | 21.46              | 20.89              | 28.49                 | 1508.35       | 1552.70       | 35.01 | MWD (Wft MWD Svy ST00) |      |
| 12000.00                                                                                                                 | 9587.20        | 9587.69           | 340.97                  | 21.46              | 20.93              | 28.45                 | 1604.31       | 1648.78       | 37.08 | MWD (Wft MWD Svy ST00) |      |
| 12100.00                                                                                                                 | 9579.91        | 9580.15           | 341.23                  | 21.46              | 20.96              | 28.42                 | 1700.62       | 1745.18       | 39.17 | MWD (Wft MWD Svy ST00) |      |
| 12200.00                                                                                                                 | 9573.56        | 9573.59           | 341.45                  | 21.46              | 21.00              | 28.39                 | 1797.28       | 1841.88       | 41.30 | MWD (Wft MWD Svy ST00) |      |
| 12300.00                                                                                                                 | 9567.75        | 9567.61           | 341.66                  | 21.46              | 21.03              | 28.37                 | 1894.08       | 1938.83       | 43.33 | MWD (Wft MWD Svy ST00) |      |
| 12400.00                                                                                                                 | 9562.37        | 9562.08           | 341.84                  | 21.46              | 21.06              | 28.34                 | 1991.24       | 2036.01       | 45.48 | MWD (Wft MWD Svy ST00) |      |
| 12500.00                                                                                                                 | 9557.37        | 9556.95           | 342.01                  | 21.46              | 21.09              | 28.32                 | 2088.53       | 2133.39       | 47.56 | MWD (Wft MWD Svy ST00) |      |
| 12600.00                                                                                                                 | 9552.71        | 9552.18           | 342.17                  | 21.46              | 21.11              | 28.30                 | 2186.01       | 2230.96       | 49.64 | MWD (Wft MWD Svy ST00) |      |
| 12700.00                                                                                                                 | 9548.36        | 9547.74           | 342.32                  | 21.46              | 21.13              | 28.28                 | 2283.71       | 2328.69       | 51.77 | MWD (Wft MWD Svy ST00) |      |
| 12800.00                                                                                                                 | 9544.25        | 9543.55           | 342.46                  | 21.46              | 21.15              | 28.26                 | 2381.59       | 2426.58       | 53.94 | MWD (Wft MWD Svy ST00) |      |
| 12900.00                                                                                                                 | 9540.39        | 9539.62           | 342.58                  | 21.46              | 21.17              | 28.25                 | 2479.53       | 2524.60       | 56.02 | MWD (Wft MWD Svy ST00) |      |
| 13000.00                                                                                                                 | 9536.76        | 9535.93           | 342.70                  | 21.46              | 21.18              | 28.23                 | 2577.59       | 2622.74       | 58.09 | MWD (Wft MWD Svy ST00) |      |
| 13100.00                                                                                                                 | 9533.35        | 9532.45           | 342.82                  | 21.46              | 21.20              | 28.21                 | 2675.77       | 2720.99       | 60.17 | MWD (Wft MWD Svy ST00) |      |
| 13200.00                                                                                                                 | 9530.13        | 9529.18           | 342.92                  | 21.46              | 21.21              | 28.20                 | 2774.06       | 2819.34       | 62.26 | MWD (Wft MWD Svy ST00) |      |
| 13300.00                                                                                                                 | 9527.09        | 9526.10           | 343.02                  | 21.46              | 21.22              | 28.19                 | 2872.46       | 2917.79       | 64.36 | MWD (Wft MWD Svy ST00) |      |
| 13400.00                                                                                                                 | 9524.21        | 9523.18           | 343.11                  | 21.46              | 21.23              | 28.17                 | 2970.95       | 3016.32       | 66.47 | MWD (Wft MWD Svy ST00) |      |
| 13500.00                                                                                                                 | 9521.48        | 9520.42           | 343.20                  | 21.46              | 21.24              | 28.16                 | 3069.52       | 3114.93       | 68.58 | MWD (Wft MWD Svy ST00) |      |
| 13600.00                                                                                                                 | 9518.90        | 9517.80           | 343.28                  | 21.46              | 21.25              | 28.15                 | 3168.16       | 3213.62       | 70.70 | MWD (Wft MWD Svy ST00) |      |
| 13700.00                                                                                                                 | 9516.55        | 9515.43           | 343.35                  | 21.46              | 21.26              | 28.14                 | 3266.88       | 3312.37       | 72.81 | MWD (Wft MWD Svy ST00) |      |
| 13800.00                                                                                                                 | 9514.60        | 9513.45           | 343.42                  | 21.46              | 21.27              | 28.13                 | 3365.66       | 3411.19       | 74.93 | MWD (Wft MWD Svy ST00) |      |
| 13900.00                                                                                                                 | 9512.74        | 9511.58           | 343.47                  | 21.46              | 21.27              | 28.12                 | 3464.50       | 3510.06       | 77.04 | MWD (Wft MWD Svy ST00) |      |
| 14000.00                                                                                                                 | 9510.97        | 9509.79           | 343.53                  | 21.46              | 21.28              | 28.11                 | 3563.39       | 3608.99       | 79.16 | MWD (Wft MWD Svy ST00) |      |
| 14100.00                                                                                                                 | 9509.28        | 9508.08           | 343.58                  | 21.46              | 21.29              | 28.11                 | 3662.34       | 3707.97       | 81.27 | MWD (Wft MWD Svy ST00) |      |
| 14200.00                                                                                                                 | 9507.67        | 9506.46           | 343.63                  | 21.46              | 21.29              | 28.10                 | 3761.33       | 3807.00       | 83.36 | MWD (Wft MWD Svy ST00) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                              |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|------------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool                  | Risk |
| 14300.00                                                                                                                 | 9506.13        | 9504.90           | 343.68                  | 21.46              | 21.30              | 28.09                 | 3860.34       | 3906.07       | 85.42  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14400.00                                                                                                                 | 9504.66        | 9503.42           | 343.72                  | 21.46              | 21.30              | 28.08                 | 3959.40       | 4005.18       | 87.48  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14500.00                                                                                                                 | 9503.25        | 9502.00           | 343.76                  | 21.46              | 21.30              | 28.08                 | 4058.49       | 4104.33       | 89.54  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14600.00                                                                                                                 | 9501.90        | 9500.64           | 343.80                  | 21.46              | 21.31              | 28.07                 | 4157.63       | 4203.52       | 91.60  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14700.00                                                                                                                 | 9500.60        | 9499.33           | 343.84                  | 21.46              | 21.31              | 28.07                 | 4256.79       | 4302.74       | 93.64  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14800.00                                                                                                                 | 9499.36        | 9498.08           | 343.88                  | 21.46              | 21.31              | 28.06                 | 4355.98       | 4401.99       | 95.67  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 14900.00                                                                                                                 | 9498.16        | 9496.88           | 343.92                  | 21.46              | 21.32              | 28.06                 | 4455.21       | 4501.28       | 97.71  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15000.00                                                                                                                 | 9497.01        | 9495.72           | 343.95                  | 21.46              | 21.32              | 28.05                 | 4554.46       | 4600.59       | 99.73  | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15100.00                                                                                                                 | 9495.91        | 9494.61           | 343.98                  | 21.46              | 21.32              | 28.04                 | 4653.74       | 4699.92       | 101.76 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15200.00                                                                                                                 | 9494.84        | 9493.54           | 344.01                  | 21.46              | 21.33              | 28.04                 | 4753.04       | 4799.29       | 103.78 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15300.00                                                                                                                 | 9493.82        | 9492.51           | 344.04                  | 21.46              | 21.33              | 28.04                 | 4852.37       | 4898.67       | 105.79 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15400.00                                                                                                                 | 9492.83        | 9491.51           | 344.07                  | 21.46              | 21.33              | 28.03                 | 4951.72       | 4998.08       | 107.80 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15500.00                                                                                                                 | 9491.88        | 9490.55           | 344.10                  | 21.46              | 21.33              | 28.03                 | 5051.09       | 5097.51       | 109.81 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15600.00                                                                                                                 | 9490.96        | 9489.63           | 344.13                  | 21.46              | 21.34              | 28.02                 | 5150.48       | 5196.96       | 111.81 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15700.00                                                                                                                 | 9490.07        | 9488.74           | 344.15                  | 21.46              | 21.34              | 28.02                 | 5249.89       | 5296.43       | 113.80 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15800.00                                                                                                                 | 9489.21        | 9487.87           | 344.18                  | 21.46              | 21.34              | 28.01                 | 5349.32       | 5395.92       | 115.79 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 15900.00                                                                                                                 | 9488.38        | 9487.04           | 344.20                  | 21.46              | 21.34              | 28.01                 | 5448.76       | 5495.42       | 117.77 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16000.00                                                                                                                 | 9487.57        | 9486.23           | 344.22                  | 21.46              | 21.34              | 28.01                 | 5548.22       | 5594.94       | 119.75 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16100.00                                                                                                                 | 9486.79        | 9485.45           | 344.24                  | 21.46              | 21.35              | 28.00                 | 5647.69       | 5694.48       | 121.72 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16200.00                                                                                                                 | 9486.04        | 9484.69           | 344.27                  | 21.46              | 21.35              | 28.00                 | 5747.18       | 5794.03       | 123.69 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16300.00                                                                                                                 | 9485.31        | 9483.96           | 344.29                  | 21.46              | 21.35              | 28.00                 | 5846.69       | 5893.59       | 125.65 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16400.00                                                                                                                 | 9484.59        | 9483.24           | 344.31                  | 21.47              | 21.35              | 27.99                 | 5946.20       | 5993.17       | 127.60 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16500.00                                                                                                                 | 9483.90        | 9482.54           | 344.33                  | 21.47              | 21.35              | 27.99                 | 6045.73       | 6092.76       | 129.55 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16600.00                                                                                                                 | 9483.23        | 9481.87           | 344.34                  | 21.47              | 21.35              | 27.99                 | 6145.27       | 6192.36       | 131.49 | MWD (Wft<br>MWD Svy<br>ST00) |      |
| 16700.00                                                                                                                 | 9482.57        | 9481.21           | 344.36                  | 21.47              | 21.35              | 27.98                 | 6244.82       | 6291.98       | 133.42 | MWD (Wft<br>MWD Svy<br>ST00) |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra Federal Com 1H ST00 (s)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |                        |      |
|--------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|------------------------|------|
| Pri MD<br>(US ft)                                                                                                        | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool            | Risk |
| 16800.00                                                                                                                 | 9481.94        | 9480.57           | 344.38                  | 21.47              | 21.35              | 27.98                 | 6344.38       | 6391.60       | 135.35 | MWD (Wft MWD Svy ST00) |      |
| 16900.00                                                                                                                 | 9481.32        | 9479.95           | 344.40                  | 21.47              | 21.35              | 27.98                 | 6443.95       | 6491.24       | 137.27 | MWD (Wft MWD Svy ST00) |      |
| 17000.00                                                                                                                 | 9480.72        | 9479.35           | 344.41                  | 21.47              | 21.36              | 27.98                 | 6543.53       | 6590.89       | 139.19 | MWD (Wft MWD Svy ST00) |      |
| 17100.00                                                                                                                 | 9480.13        | 9478.76           | 344.43                  | 21.47              | 21.36              | 27.97                 | 6643.13       | 6690.54       | 141.09 | MWD (Wft MWD Svy ST00) |      |
| 17200.00                                                                                                                 | 9479.57        | 9478.19           | 344.45                  | 21.47              | 21.36              | 27.97                 | 6742.72       | 6790.21       | 142.99 | MWD (Wft MWD Svy ST00) |      |
| 17300.00                                                                                                                 | 9479.01        | 9477.64           | 344.46                  | 21.47              | 21.36              | 27.97                 | 6842.33       | 6889.89       | 144.89 | MWD (Wft MWD Svy ST00) |      |
| 17400.00                                                                                                                 | 9478.48        | 9477.10           | 344.48                  | 21.47              | 21.36              | 27.96                 | 6941.95       | 6989.57       | 146.78 | MWD (Wft MWD Svy ST00) |      |
| 17500.00                                                                                                                 | 9477.95        | 9476.57           | 344.49                  | 21.47              | 21.36              | 27.96                 | 7041.57       | 7089.26       | 148.66 | MWD (Wft MWD Svy ST00) |      |
| 17600.00                                                                                                                 | 9477.44        | 9476.06           | 344.50                  | 21.47              | 21.36              | 27.96                 | 7141.20       | 7188.96       | 150.53 | MWD (Wft MWD Svy ST00) |      |
| 17700.00                                                                                                                 | 9476.94        | 9475.56           | 344.52                  | 21.47              | 21.36              | 27.96                 | 7240.84       | 7288.67       | 152.40 | MWD (Wft MWD Svy ST00) |      |
| 17800.00                                                                                                                 | 9476.46        | 9475.08           | 344.53                  | 21.47              | 21.36              | 27.96                 | 7340.49       | 7388.39       | 154.25 | MWD (Wft MWD Svy ST00) |      |
| 17900.00                                                                                                                 | 9475.98        | 9474.60           | 344.54                  | 21.47              | 21.36              | 27.95                 | 7440.14       | 7488.11       | 156.11 | MWD (Wft MWD Svy ST00) |      |
| 17996.84                                                                                                                 | 9475.54        | 9474.15           | 344.56                  | 21.47              | 21.36              | 27.95                 | 7536.64       | 7584.68       | 157.89 | MWD (Wft MWD Svy ST00) |      |

| Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |             |      |
|------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|-------------|------|
| Pri MD<br>(US ft)                                                                                                      | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool | Risk |
| 0.00                                                                                                                   | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 12132.84      | 12154.37      | 564.49 | MWD         |      |
| 100.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 12032.12      | 12055.91      | 506.66 | MWD         |      |
| 200.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11933.68      | 11957.48      | 502.30 | MWD         |      |
| 300.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11835.26      | 11859.08      | 497.82 | MWD         |      |
| 400.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11736.86      | 11760.70      | 493.24 | MWD         |      |
| 500.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11638.48      | 11662.35      | 488.55 | MWD         |      |
| 600.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11540.13      | 11564.03      | 483.71 | MWD         |      |
| 700.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11441.79      | 11465.74      | 478.71 | MWD         |      |
| 800.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11343.48      | 11367.48      | 473.65 | MWD         |      |
| 900.00                                                                                                                 | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11245.20      | 11269.25      | 468.53 | MWD         |      |
| 1000.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11146.94      | 11171.05      | 463.36 | MWD         |      |
| 1100.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 11048.71      | 11072.88      | 458.14 | MWD         |      |
| 1200.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10950.51      | 10974.75      | 452.90 | MWD         |      |
| 1300.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10852.35      | 10876.64      | 447.63 | MWD         |      |
| 1400.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10754.21      | 10778.58      | 442.34 | MWD         |      |
| 1500.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10656.11      | 10680.55      | 437.03 | MWD         |      |
| 1600.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10558.04      | 10582.56      | 431.72 | MWD         |      |
| 1700.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10460.01      | 10484.60      | 426.40 | MWD         |      |
| 1800.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10362.02      | 10386.68      | 421.08 | MWD         |      |
| 1900.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10264.06      | 10288.81      | 415.70 | MWD         |      |
| 2000.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10166.13      | 10190.97      | 410.29 | MWD         |      |
| 2100.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 10068.25      | 10093.18      | 404.90 | MWD         |      |
| 2200.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9970.41       | 9995.43       | 399.41 | MWD         |      |
| 2300.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9872.60       | 9897.73       | 393.90 | MWD         |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |             |      |
|------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|-------------|------|
| Pri MD<br>(US ft)                                                                                                      | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool | Risk |
| 2400.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9774.84       | 9800.07       | 388.40 | MWD         |      |
| 2500.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9677.12       | 9702.46       | 382.93 | MWD         |      |
| 2600.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9579.46       | 9604.90       | 377.48 | MWD         |      |
| 2700.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9481.84       | 9507.39       | 372.05 | MWD         |      |
| 2800.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9384.27       | 9409.93       | 366.65 | MWD         |      |
| 2900.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9286.75       | 9312.53       | 361.27 | MWD         |      |
| 3000.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9189.29       | 9215.18       | 355.92 | MWD         |      |
| 3100.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 9091.88       | 9117.89       | 350.60 | MWD         |      |
| 3200.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 8994.53       | 9020.66       | 345.31 | MWD         |      |
| 3300.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 8897.25       | 8923.49       | 340.04 | MWD         |      |
| 3400.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 8800.02       | 8826.38       | 334.80 | MWD         |      |
| 3500.00                                                                                                                | 11968.19       | 11973.07          | 5.48                    | 26.40              | 26.08              | 41.46                 | 8702.85       | 8729.34       | 329.59 | MWD         |      |
| 3600.00                                                                                                                | 11968.19       | 11973.07          | 6.34                    | 26.40              | 26.08              | 41.46                 | 8605.55       | 8632.16       | 324.38 | MWD         |      |
| 3700.00                                                                                                                | 11968.19       | 11973.07          | 6.84                    | 26.40              | 26.08              | 41.46                 | 8507.90       | 8534.64       | 319.21 | MWD         |      |
| 3800.00                                                                                                                | 11968.19       | 11973.07          | 7.43                    | 26.40              | 26.08              | 41.46                 | 8409.94       | 8436.80       | 314.08 | MWD         |      |
| 3900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 8311.84       | 8338.82       | 309.00 | MWD         |      |
| 4000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 8213.78       | 8240.89       | 303.97 | MWD         |      |
| 4100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 8115.77       | 8143.01       | 298.98 | MWD         |      |
| 4200.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 8017.81       | 8045.18       | 293.97 | MWD         |      |
| 4300.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7919.90       | 7947.40       | 288.95 | MWD         |      |
| 4400.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7822.04       | 7849.68       | 284.01 | MWD         |      |
| 4500.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7724.24       | 7752.02       | 279.06 | MWD         |      |
| 4600.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7626.50       | 7654.42       | 274.20 | MWD         |      |
| 4700.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7528.82       | 7556.88       | 269.32 | MWD         |      |
| 4800.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7431.20       | 7459.40       | 264.46 | MWD         |      |
| 4900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7333.64       | 7362.00       | 259.64 | MWD         |      |
| 5000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7236.16       | 7264.66       | 254.86 | MWD         |      |
| 5100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7138.74       | 7167.40       | 250.11 | MWD         |      |
| 5200.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 7041.40       | 7070.21       | 245.39 | MWD         |      |
| 5300.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6944.14       | 6973.11       | 240.70 | MWD         |      |
| 5400.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6846.95       | 6876.08       | 236.05 | MWD         |      |
| 5500.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6749.85       | 6779.15       | 231.43 | MWD         |      |
| 5600.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6652.84       | 6682.30       | 226.84 | MWD         |      |
| 5700.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6555.92       | 6585.55       | 222.28 | MWD         |      |
| 5800.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6459.10       | 6488.89       | 217.76 | MWD         |      |
| 5900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6362.37       | 6392.34       | 213.28 | MWD         |      |
| 6000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6265.75       | 6295.90       | 208.83 | MWD         |      |
| 6100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6169.24       | 6199.57       | 204.42 | MWD         |      |
| 6200.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 6072.85       | 6103.36       | 200.04 | MWD         |      |
| 6300.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5976.57       | 6007.27       | 195.70 | MWD         |      |
| 6400.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5880.43       | 5911.31       | 191.40 | MWD         |      |
| 6500.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5784.41       | 5815.49       | 187.13 | MWD         |      |
| 6600.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5688.54       | 5719.81       | 182.91 | MWD         |      |
| 6700.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5592.81       | 5624.28       | 178.73 | MWD         |      |
| 6800.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5497.22       | 5528.91       | 174.46 | MWD         |      |
| 6900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5401.78       | 5433.70       | 170.23 | MWD         |      |
| 7000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5306.52       | 5338.67       | 166.05 | MWD         |      |
| 7100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5211.44       | 5243.83       | 161.91 | MWD         |      |
| 7200.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5116.55       | 5149.18       | 157.82 | MWD         |      |
| 7300.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 5021.86       | 5054.73       | 153.77 | MWD         |      |
| 7400.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4927.39       | 4960.51       | 149.78 | MWD         |      |
| 7500.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4833.14       | 4866.51       | 145.83 | MWD         |      |
| 7600.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4739.13       | 4772.76       | 141.93 | MWD         |      |
| 7700.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4645.38       | 4679.27       | 138.08 | MWD         |      |
| 7800.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4551.88       | 4586.05       | 134.22 | MWD         |      |
| 7900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4458.67       | 4493.12       | 130.42 | MWD         |      |
| 8000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4365.77       | 4400.51       | 126.67 | MWD         |      |
| 8100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4273.19       | 4308.22       | 122.97 | MWD         |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |        |             |      |
|------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|--------|-------------|------|
| Pri MD<br>(US ft)                                                                                                      | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF     | Survey Tool | Risk |
| 8200.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4180.95       | 4216.29       | 119.33 | MWD         |      |
| 8300.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 4089.09       | 4124.73       | 115.74 | MWD         |      |
| 8400.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3997.63       | 4033.57       | 112.21 | MWD         |      |
| 8500.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3906.58       | 3942.84       | 108.74 | MWD         |      |
| 8600.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3816.00       | 3852.57       | 105.33 | MWD         |      |
| 8700.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3725.87       | 3762.79       | 101.91 | MWD         |      |
| 8800.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3636.24       | 3673.54       | 98.49  | MWD         |      |
| 8900.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3547.18       | 3584.86       | 95.14  | MWD         |      |
| 9000.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3458.72       | 3496.79       | 91.86  | MWD         |      |
| 9100.00                                                                                                                | 11968.19       | 11973.07          | 7.46                    | 26.40              | 26.08              | 41.46                 | 3370.92       | 3409.37       | 88.65  | MWD         |      |
| 9200.00                                                                                                                | 12513.00       | 14127.96          | 170.06                  | 42.00              | 25.63              | 51.27                 | 3281.33       | 3320.86       | 84.00  | MWD         |      |
| 9300.00                                                                                                                | 12513.00       | 14124.56          | 163.03                  | 41.96              | 25.62              | 51.25                 | 3181.17       | 3220.92       | 81.03  | MWD         |      |
| 9400.00                                                                                                                | 12513.00       | 14122.91          | 134.52                  | 41.93              | 25.61              | 51.23                 | 3080.96       | 3120.94       | 78.07  | MWD         |      |
| 9500.00                                                                                                                | 12513.00       | 14125.38          | 184.90                  | 41.97              | 25.62              | 51.25                 | 2980.81       | 3021.03       | 75.12  | MWD         |      |
| 9600.00                                                                                                                | 12513.00       | 14143.60          | 181.82                  | 42.22              | 25.69              | 51.39                 | 2882.35       | 2922.84       | 72.20  | MWD         |      |
| 9700.00                                                                                                                | 12513.00       | 14178.60          | 181.17                  | 42.71              | 25.82              | 51.65                 | 2788.50       | 2829.30       | 69.34  | MWD         |      |
| 9800.00                                                                                                                | 12513.00       | 14229.30          | 180.89                  | 43.43              | 26.01              | 52.03                 | 2702.04       | 2743.26       | 66.55  | MWD         |      |
| 9900.00                                                                                                                | 12513.00       | 14294.18          | 180.75                  | 44.36              | 26.26              | 52.54                 | 2625.69       | 2667.33       | 64.06  | MWD         |      |
| 10000.00                                                                                                               | 12513.00       | 14371.26          | 180.66                  | 45.48              | 26.57              | 53.15                 | 2561.83       | 2603.82       | 62.00  | MWD         |      |
| 10100.00                                                                                                               | 12513.00       | 14458.19          | 180.61                  | 46.76              | 26.93              | 53.87                 | 2512.10       | 2554.66       | 60.02  | MWD         |      |
| 10200.00                                                                                                               | 12513.00       | 14552.35          | 180.58                  | 48.17              | 27.33              | 54.66                 | 2478.36       | 2521.35       | 58.65  | MWD         |      |
| 10300.00                                                                                                               | 12513.00       | 14650.85          | 180.57                  | 49.67              | 27.76              | 55.52                 | 2461.23       | 2504.88       | 57.38  | MWD         |      |
| 10400.00                                                                                                               | 12513.00       | 14750.81          | 180.57                  | 51.20              | 28.20              | 56.42                 | 2458.95       | 2503.13       | 56.66  | MWD         |      |
| 10500.00                                                                                                               | 12512.88       | 14856.44          | 180.57                  | 52.85              | 28.69              | 57.39                 | 2458.05       | 2503.01       | 55.67  | MWD         |      |
| 10600.00                                                                                                               | 12512.65       | 14956.44          | 180.57                  | 54.42              | 29.17              | 58.33                 | 2457.19       | 2502.78       | 54.89  | MWD         |      |
| 10700.00                                                                                                               | 12512.43       | 15056.44          | 180.57                  | 56.01              | 29.65              | 59.29                 | 2456.15       | 2502.56       | 53.93  | MWD         |      |
| 10800.00                                                                                                               | 12512.20       | 15156.44          | 180.57                  | 57.62              | 30.14              | 60.27                 | 2455.11       | 2502.33       | 52.99  | MWD         |      |
| 10900.00                                                                                                               | 12511.97       | 15256.44          | 180.57                  | 59.24              | 30.64              | 61.28                 | 2454.09       | 2502.11       | 52.11  | MWD         |      |
| 11000.00                                                                                                               | 12511.75       | 15356.44          | 180.57                  | 60.86              | 31.15              | 62.30                 | 2453.07       | 2501.88       | 51.25  | MWD         |      |
| 11100.00                                                                                                               | 12511.52       | 15456.44          | 180.57                  | 62.50              | 31.67              | 63.34                 | 2452.00       | 2501.66       | 50.38  | MWD         |      |
| 11200.00                                                                                                               | 12511.30       | 15556.44          | 180.57                  | 64.15              | 32.20              | 64.39                 | 2450.84       | 2501.43       | 49.44  | MWD         |      |
| 11300.00                                                                                                               | 12511.07       | 15656.44          | 180.57                  | 65.81              | 32.73              | 65.46                 | 2449.65       | 2501.21       | 48.51  | MWD         |      |
| 11400.00                                                                                                               | 12510.85       | 15756.44          | 180.57                  | 67.48              | 33.28              | 66.55                 | 2448.40       | 2500.98       | 47.56  | MWD         |      |
| 11500.00                                                                                                               | 12510.62       | 15856.44          | 180.57                  | 69.16              | 33.83              | 67.65                 | 2447.15       | 2500.76       | 46.66  | MWD         |      |
| 11600.00                                                                                                               | 12510.40       | 15956.44          | 180.57                  | 70.84              | 34.39              | 68.76                 | 2445.94       | 2500.53       | 45.81  | MWD         |      |
| 11700.00                                                                                                               | 12510.17       | 16056.44          | 180.57                  | 72.53              | 34.95              | 69.89                 | 2444.67       | 2500.30       | 44.94  | MWD         |      |
| 11800.00                                                                                                               | 12509.95       | 16156.44          | 180.57                  | 74.23              | 35.52              | 71.03                 | 2443.37       | 2500.08       | 44.08  | MWD         |      |
| 11900.00                                                                                                               | 12509.72       | 16256.44          | 180.57                  | 75.93              | 36.10              | 72.18                 | 2442.09       | 2499.85       | 43.27  | MWD         |      |
| 12000.00                                                                                                               | 12509.50       | 16356.44          | 180.57                  | 77.64              | 36.68              | 73.35                 | 2440.77       | 2499.63       | 42.47  | MWD         |      |
| 12100.00                                                                                                               | 12509.27       | 16456.44          | 180.57                  | 79.35              | 37.26              | 74.52                 | 2439.41       | 2499.40       | 41.66  | MWD         |      |
| 12200.00                                                                                                               | 12509.05       | 16556.44          | 180.57                  | 81.07              | 37.86              | 75.70                 | 2438.14       | 2499.18       | 40.95  | MWD         |      |
| 12300.00                                                                                                               | 12508.82       | 16656.44          | 180.57                  | 82.80              | 38.45              | 76.90                 | 2436.70       | 2498.95       | 40.14  | MWD         |      |
| 12400.00                                                                                                               | 12508.60       | 16756.44          | 180.57                  | 84.53              | 39.05              | 78.10                 | 2435.39       | 2498.73       | 39.45  | MWD         |      |
| 12500.00                                                                                                               | 12508.37       | 16856.44          | 180.57                  | 86.26              | 39.66              | 79.31                 | 2433.95       | 2498.50       | 38.70  | MWD         |      |
| 12600.00                                                                                                               | 12508.15       | 16956.44          | 180.57                  | 87.99              | 40.27              | 80.53                 | 2432.53       | 2498.28       | 38.00  | MWD         |      |
| 12700.00                                                                                                               | 12507.92       | 17056.44          | 180.57                  | 89.73              | 40.88              | 81.76                 | 2431.15       | 2498.05       | 37.34  | MWD         |      |
| 12800.00                                                                                                               | 12507.70       | 17156.44          | 180.57                  | 91.48              | 41.50              | 83.00                 | 2429.79       | 2497.83       | 36.71  | MWD         |      |
| 12900.00                                                                                                               | 12507.47       | 17256.44          | 180.57                  | 93.22              | 42.12              | 84.24                 | 2428.29       | 2497.60       | 36.03  | MWD         |      |
| 13000.00                                                                                                               | 12507.24       | 17356.44          | 180.57                  | 94.97              | 42.75              | 85.49                 | 2426.79       | 2497.38       | 35.38  | MWD         |      |
| 13100.00                                                                                                               | 12507.02       | 17456.44          | 180.57                  | 96.72              | 43.38              | 86.75                 | 2425.29       | 2497.15       | 34.75  | MWD         |      |
| 13200.00                                                                                                               | 12506.79       | 17556.44          | 180.57                  | 98.48              | 44.01              | 88.01                 | 2423.80       | 2496.93       | 34.15  | MWD         |      |
| 13300.00                                                                                                               | 12506.57       | 17656.44          | 180.57                  | 100.24             | 44.65              | 89.28                 | 2422.31       | 2496.70       | 33.56  | MWD         |      |
| 13400.00                                                                                                               | 12506.34       | 17756.44          | 180.57                  | 102.00             | 45.28              | 90.56                 | 2420.81       | 2496.48       | 32.99  | MWD         |      |
| 13500.00                                                                                                               | 12506.12       | 17856.44          | 180.57                  | 103.76             | 45.92              | 91.84                 | 2419.31       | 2496.25       | 32.45  | MWD         |      |
| 13600.00                                                                                                               | 12505.89       | 17956.44          | 180.57                  | 105.52             | 46.57              | 93.13                 | 2417.81       | 2496.02       | 31.91  | MWD         |      |
| 13700.00                                                                                                               | 12505.67       | 18056.44          | 180.57                  | 107.29             | 47.21              | 94.42                 | 2416.30       | 2495.80       | 31.40  | MWD         |      |
| 13800.00                                                                                                               | 12505.44       | 18156.44          | 180.57                  | 109.06             | 47.86              | 95.72                 | 2414.79       | 2495.57       | 30.89  | MWD         |      |
| 13900.00                                                                                                               | 12505.22       | 18256.44          | 180.57                  | 110.83             | 48.51              | 97.02                 | 2413.27       | 2495.35       | 30.40  | MWD         |      |



## SD Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 71H Lat (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |             |      |
|------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|-------------|------|
| Pri MD<br>(US ft)                                                                                                      | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk |
| 14000.00                                                                                                               | 12504.99       | 18356.44          | 180.57                  | 112.60             | 49.17              | 98.32                 | 2411.75       | 2495.12       | 29.93 | MWD         |      |
| 14100.00                                                                                                               | 12504.77       | 18456.43          | 180.57                  | 114.38             | 49.82              | 99.64                 | 2410.23       | 2494.90       | 29.47 | MWD         |      |
| 14200.00                                                                                                               | 12504.54       | 18556.43          | 180.57                  | 116.15             | 50.48              | 100.95                | 2408.69       | 2494.67       | 29.02 | MWD         |      |
| 14300.00                                                                                                               | 12504.32       | 18656.43          | 180.57                  | 117.93             | 51.14              | 102.27                | 2407.14       | 2494.45       | 28.57 | MWD         |      |
| 14400.00                                                                                                               | 12504.09       | 18756.43          | 180.57                  | 119.71             | 51.80              | 103.60                | 2405.57       | 2494.22       | 28.14 | MWD         |      |
| 14500.00                                                                                                               | 12503.87       | 18856.43          | 180.57                  | 121.49             | 52.47              | 104.92                | 2404.00       | 2494.00       | 27.71 | MWD         |      |
| 14600.00                                                                                                               | 12503.64       | 18956.43          | 180.57                  | 123.27             | 53.13              | 106.25                | 2402.43       | 2493.77       | 27.30 | MWD         |      |
| 14700.00                                                                                                               | 12503.42       | 19056.43          | 180.57                  | 125.05             | 53.80              | 107.59                | 2400.85       | 2493.55       | 26.90 | MWD         |      |
| 14800.00                                                                                                               | 12503.19       | 19156.43          | 180.57                  | 126.84             | 54.47              | 108.93                | 2399.27       | 2493.32       | 26.51 | MWD         |      |
| 14900.00                                                                                                               | 12502.96       | 19256.43          | 180.57                  | 128.62             | 55.14              | 110.27                | 2397.69       | 2493.10       | 26.13 | MWD         |      |
| 15000.00                                                                                                               | 12502.74       | 19356.43          | 180.57                  | 130.41             | 55.81              | 111.61                | 2396.10       | 2492.87       | 25.76 | MWD         |      |
| 15100.00                                                                                                               | 12502.51       | 19456.43          | 180.57                  | 132.20             | 56.49              | 112.96                | 2394.52       | 2492.65       | 25.40 | MWD         |      |
| 15200.00                                                                                                               | 12502.29       | 19556.43          | 180.57                  | 133.99             | 57.16              | 114.31                | 2392.92       | 2492.42       | 25.05 | MWD         |      |
| 15300.00                                                                                                               | 12502.06       | 19656.43          | 180.57                  | 135.78             | 57.84              | 115.66                | 2391.33       | 2492.20       | 24.71 | MWD         |      |
| 15400.00                                                                                                               | 12501.84       | 19756.43          | 180.57                  | 137.57             | 58.52              | 117.02                | 2389.74       | 2491.97       | 24.38 | MWD         |      |
| 15500.00                                                                                                               | 12501.61       | 19856.43          | 180.57                  | 139.36             | 59.19              | 118.38                | 2388.14       | 2491.75       | 24.05 | MWD         |      |
| 15600.00                                                                                                               | 12501.39       | 19956.43          | 180.57                  | 141.15             | 59.88              | 119.74                | 2386.54       | 2491.52       | 23.73 | MWD         |      |
| 15700.00                                                                                                               | 12501.16       | 20056.43          | 180.57                  | 142.94             | 60.56              | 121.10                | 2384.94       | 2491.29       | 23.42 | MWD         |      |
| 15800.00                                                                                                               | 12500.94       | 20156.43          | 180.57                  | 144.74             | 61.24              | 122.47                | 2383.33       | 2491.07       | 23.12 | MWD         |      |
| 15900.00                                                                                                               | 12500.71       | 20256.43          | 180.57                  | 146.53             | 61.92              | 123.84                | 2381.72       | 2490.84       | 22.83 | MWD         |      |
| 16000.00                                                                                                               | 12500.49       | 20356.43          | 180.57                  | 148.33             | 62.61              | 125.21                | 2380.11       | 2490.62       | 22.54 | MWD         |      |
| 16100.00                                                                                                               | 12500.26       | 20456.43          | 180.57                  | 150.13             | 63.30              | 126.58                | 2378.50       | 2490.39       | 22.26 | MWD         |      |
| 16200.00                                                                                                               | 12500.04       | 20556.43          | 180.57                  | 151.92             | 63.98              | 127.96                | 2376.89       | 2490.17       | 21.98 | MWD         |      |
| 16300.00                                                                                                               | 12499.81       | 20656.43          | 180.57                  | 153.72             | 64.67              | 129.33                | 2375.28       | 2489.94       | 21.71 | MWD         |      |
| 16400.00                                                                                                               | 12499.59       | 20756.43          | 180.57                  | 155.52             | 65.36              | 130.71                | 2373.66       | 2489.72       | 21.45 | MWD         |      |
| 16500.00                                                                                                               | 12499.36       | 20856.43          | 180.57                  | 157.32             | 66.05              | 132.09                | 2372.04       | 2489.49       | 21.20 | MWD         |      |
| 16600.00                                                                                                               | 12499.14       | 20956.43          | 180.57                  | 159.12             | 66.74              | 133.48                | 2370.42       | 2489.27       | 20.95 | MWD         |      |
| 16700.00                                                                                                               | 12498.91       | 21056.43          | 180.57                  | 160.92             | 67.44              | 134.86                | 2368.80       | 2489.04       | 20.70 | MWD         |      |
| 16800.00                                                                                                               | 12498.68       | 21156.43          | 180.57                  | 162.72             | 68.13              | 136.25                | 2367.18       | 2488.82       | 20.46 | MWD         |      |
| 16900.00                                                                                                               | 12498.46       | 21256.43          | 180.58                  | 164.53             | 68.82              | 137.63                | 2365.55       | 2488.59       | 20.23 | MWD         |      |
| 17000.00                                                                                                               | 12498.23       | 21356.43          | 180.58                  | 166.33             | 69.52              | 139.02                | 2363.92       | 2488.37       | 20.00 | MWD         |      |
| 17100.00                                                                                                               | 12498.01       | 21456.43          | 180.58                  | 168.13             | 70.21              | 140.41                | 2362.30       | 2488.14       | 19.77 | MWD         |      |
| 17200.00                                                                                                               | 12497.78       | 21556.43          | 180.58                  | 169.93             | 70.91              | 141.81                | 2360.67       | 2487.92       | 19.55 | MWD         |      |
| 17300.00                                                                                                               | 12497.56       | 21656.43          | 180.58                  | 171.74             | 71.61              | 143.20                | 2359.04       | 2487.69       | 19.34 | MWD         |      |
| 17400.00                                                                                                               | 12497.33       | 21756.43          | 180.58                  | 173.54             | 72.30              | 144.60                | 2357.41       | 2487.47       | 19.13 | MWD         |      |
| 17500.00                                                                                                               | 12497.11       | 21856.43          | 180.58                  | 175.35             | 73.00              | 145.99                | 2355.77       | 2487.24       | 18.92 | MWD         |      |
| 17600.00                                                                                                               | 12496.88       | 21956.43          | 180.58                  | 177.15             | 73.70              | 147.39                | 2354.14       | 2487.01       | 18.72 | MWD         |      |
| 17700.00                                                                                                               | 12496.66       | 22056.43          | 180.58                  | 178.96             | 74.40              | 148.79                | 2352.50       | 2486.79       | 18.52 | MWD         |      |
| 17800.00                                                                                                               | 12496.43       | 22156.43          | 180.58                  | 180.77             | 75.10              | 150.19                | 2350.87       | 2486.56       | 18.32 | MWD         |      |
| 17900.00                                                                                                               | 12496.21       | 22256.43          | 180.58                  | 182.57             | 75.80              | 151.59                | 2349.23       | 2486.34       | 18.13 | MWD         |      |
| 17996.84                                                                                                               | 12496.00       | 22347.61          | 180.58                  | 184.22             | 76.44              | 152.87                | 2347.70       | 2486.13       | 17.96 | MWD         |      |
| Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH)     |                |                   |                         |                    |                    |                       |               |               |       |             |      |
| Pri MD<br>(US ft)                                                                                                      | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk |
| 0.00                                                                                                                   | 0.00           | 2.00              | 179.60                  | 0.00               | 0.00               | 0.10                  | 49.35         | 49.99         | 77.90 | MWD         |      |
| 100.00                                                                                                                 | 100.00         | 102.00            | 179.60                  | 0.12               | 0.12               | 4.60                  | 49.13         | 49.99         | 57.81 | MWD         |      |
| 200.00                                                                                                                 | 200.00         | 202.00            | 179.60                  | 0.34               | 0.34               | 4.62                  | 48.68         | 49.99         | 38.04 | MWD         |      |
| 300.00                                                                                                                 | 300.00         | 302.00            | 179.60                  | 0.57               | 0.57               | 4.65                  | 48.23         | 49.99         | 28.34 | MWD         |      |
| 400.00                                                                                                                 | 400.00         | 402.00            | 179.60                  | 0.79               | 0.79               | 4.70                  | 47.78         | 49.99         | 22.59 | MWD         |      |
| 500.00                                                                                                                 | 500.00         | 502.00            | 179.60                  | 1.02               | 1.02               | 4.75                  | 47.33         | 49.99         | 18.77 | MWD         |      |
| 600.00                                                                                                                 | 600.00         | 602.00            | 179.60                  | 1.24               | 1.24               | 4.81                  | 46.88         | 49.99         | 16.06 | MWD         |      |
| 700.00                                                                                                                 | 700.00         | 702.00            | 179.60                  | 1.47               | 1.47               | 4.89                  | 46.43         | 49.99         | 14.03 | MWD         |      |
| 800.00                                                                                                                 | 800.00         | 802.00            | 179.60                  | 1.69               | 1.69               | 4.97                  | 45.98         | 49.99         | 12.46 | MWD         |      |
| 900.00                                                                                                                 | 900.00         | 902.00            | 179.60                  | 1.92               | 1.92               | 5.06                  | 45.53         | 49.99         | 11.21 | MWD         |      |
| 1000.00                                                                                                                | 1000.00        | 1002.00           | 179.60                  | 2.14               | 2.14               | 5.16                  | 45.08         | 49.99         | 10.18 | MWD         |      |
| 1100.00                                                                                                                | 1100.00        | 1102.00           | 179.60                  | 2.36               | 2.36               | 5.27                  | 44.63         | 49.99         | 9.33  | MWD         |      |
| 1200.00                                                                                                                | 1200.00        | 1202.00           | 179.60                  | 2.59               | 2.59               | 5.38                  | 44.18         | 49.99         | 8.60  | MWD         |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |      |             |      |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|------|-------------|------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk |
| 1300.00                                                                                                            | 1300.00        | 1302.00           | 179.60                  | 2.81               | 2.81               | 5.50                  | 43.73         | 49.99         | 7.99 | MWD         |      |
| 1400.00                                                                                                            | 1400.00        | 1402.00           | 179.60                  | 3.04               | 3.04               | 5.63                  | 43.28         | 49.99         | 7.45 | MWD         |      |
| 1500.00                                                                                                            | 1500.00        | 1502.00           | 179.60                  | 3.26               | 3.26               | 5.76                  | 42.83         | 49.99         | 6.98 | MWD         |      |
| 1600.00                                                                                                            | 1600.00        | 1602.00           | 179.60                  | 3.49               | 3.49               | 5.89                  | 42.38         | 49.99         | 6.57 | MWD         |      |
| 1700.00                                                                                                            | 1700.00        | 1702.00           | 179.60                  | 3.71               | 3.71               | 6.03                  | 41.93         | 49.99         | 6.20 | MWD         |      |
| 1800.00                                                                                                            | 1800.00        | 1802.00           | 179.60                  | 3.94               | 3.94               | 6.18                  | 41.48         | 49.99         | 5.88 | MWD         |      |
| 1900.00                                                                                                            | 1900.00        | 1902.00           | 179.60                  | 4.16               | 4.16               | 6.32                  | 41.03         | 49.99         | 5.58 | MWD         |      |
| 2000.00                                                                                                            | 2000.00        | 2002.00           | 179.60                  | 4.39               | 4.39               | 6.47                  | 40.58         | 49.99         | 5.31 | MWD         |      |
| 2100.00                                                                                                            | 2100.00        | 2102.00           | 179.60                  | 4.61               | 4.61               | 6.63                  | 40.14         | 49.99         | 5.07 | MWD         |      |
| 2200.00                                                                                                            | 2200.00        | 2202.00           | 179.60                  | 4.84               | 4.84               | 6.79                  | 39.69         | 49.99         | 4.85 | MWD         |      |
| 2300.00                                                                                                            | 2300.00        | 2302.00           | 179.60                  | 5.06               | 5.06               | 6.95                  | 39.24         | 49.99         | 4.65 | MWD         |      |
| 2400.00                                                                                                            | 2400.00        | 2402.00           | 179.60                  | 5.29               | 5.29               | 7.11                  | 38.79         | 49.99         | 4.46 | MWD         |      |
| 2500.00                                                                                                            | 2500.00        | 2502.00           | 179.60                  | 5.51               | 5.51               | 7.28                  | 38.34         | 49.99         | 4.29 | MWD         |      |
| 2600.00                                                                                                            | 2600.00        | 2602.00           | 179.60                  | 5.74               | 5.74               | 7.45                  | 37.89         | 49.99         | 4.13 | MWD         |      |
| 2700.00                                                                                                            | 2700.00        | 2702.00           | 179.60                  | 5.96               | 5.96               | 7.62                  | 37.44         | 49.99         | 3.98 | MWD         |      |
| 2800.00                                                                                                            | 2800.00        | 2802.00           | 179.60                  | 6.19               | 6.19               | 7.79                  | 36.99         | 49.99         | 3.84 | MWD         |      |
| 2900.00                                                                                                            | 2900.00        | 2902.00           | 179.60                  | 6.41               | 6.41               | 7.97                  | 36.54         | 49.99         | 3.72 | MWD         |      |
| 3000.00                                                                                                            | 3000.00        | 3002.00           | 179.60                  | 6.64               | 6.64               | 8.15                  | 36.09         | 49.99         | 3.60 | MWD         |      |
| 3100.00                                                                                                            | 3100.00        | 3102.00           | 179.60                  | 6.86               | 6.86               | 8.33                  | 35.64         | 49.99         | 3.48 | MWD         |      |
| 3200.00                                                                                                            | 3200.00        | 3202.00           | 179.60                  | 7.09               | 7.09               | 8.52                  | 35.19         | 49.99         | 3.38 | MWD         |      |
| 3300.00                                                                                                            | 3300.00        | 3302.00           | 179.60                  | 7.31               | 7.31               | 8.71                  | 34.74         | 49.99         | 3.28 | MWD         |      |
| 3400.00                                                                                                            | 3400.00        | 3402.00           | 179.60                  | 7.53               | 7.53               | 8.90                  | 34.29         | 49.99         | 3.18 | MWD         |      |
| 3500.00                                                                                                            | 3500.00        | 3502.00           | 179.60                  | 7.76               | 7.76               | 9.09                  | 33.84         | 49.99         | 3.10 | MWD         |      |
| 3600.00                                                                                                            | 3599.99        | 3601.99           | 180.02                  | 7.98               | 7.98               | 9.29                  | 34.28         | 50.86         | 3.07 | MWD         |      |
| 3700.00                                                                                                            | 3699.96        | 3701.96           | 180.02                  | 8.21               | 8.21               | 9.49                  | 36.45         | 53.48         | 3.14 | MWD         |      |
| 3800.00                                                                                                            | 3799.86        | 3801.86           | 180.02                  | 8.43               | 8.43               | 9.69                  | 40.37         | 57.84         | 3.31 | MWD         |      |
| 3900.00                                                                                                            | 3899.72        | 3901.72           | 180.01                  | 8.66               | 8.66               | 9.89                  | 45.24         | 63.16         | 3.52 | MWD         |      |
| 4000.00                                                                                                            | 3999.58        | 4001.58           | 180.01                  | 8.88               | 8.88               | 10.10                 | 50.09         | 68.48         | 3.72 | MWD         |      |
| 4100.00                                                                                                            | 4099.44        | 4101.44           | 180.01                  | 9.11               | 9.11               | 10.31                 | 54.96         | 73.80         | 3.92 | MWD         |      |
| 4200.00                                                                                                            | 4199.30        | 4201.30           | 180.01                  | 9.33               | 9.33               | 10.52                 | 59.83         | 79.12         | 4.10 | MWD         |      |
| 4300.00                                                                                                            | 4299.16        | 4301.16           | 180.01                  | 9.56               | 9.56               | 10.74                 | 64.71         | 84.44         | 4.28 | MWD         |      |
| 4400.00                                                                                                            | 4399.01        | 4401.01           | 180.01                  | 9.78               | 9.78               | 10.96                 | 69.56         | 89.76         | 4.44 | MWD         |      |
| 4500.00                                                                                                            | 4498.87        | 4500.87           | 180.01                  | 10.00              | 10.00              | 11.18                 | 74.44         | 95.08         | 4.61 | MWD         |      |
| 4600.00                                                                                                            | 4598.73        | 4600.73           | 180.01                  | 10.23              | 10.23              | 11.41                 | 79.30         | 100.39        | 4.76 | MWD         |      |
| 4700.00                                                                                                            | 4698.59        | 4700.59           | 180.01                  | 10.45              | 10.45              | 11.64                 | 84.18         | 105.71        | 4.91 | MWD         |      |
| 4800.00                                                                                                            | 4798.45        | 4800.45           | 180.01                  | 10.68              | 10.68              | 11.87                 | 89.06         | 111.03        | 5.05 | MWD         |      |
| 4900.00                                                                                                            | 4898.31        | 4900.31           | 180.01                  | 10.90              | 10.90              | 12.11                 | 93.95         | 116.35        | 5.19 | MWD         |      |
| 5000.00                                                                                                            | 4998.16        | 5000.16           | 180.01                  | 11.13              | 11.13              | 12.35                 | 98.81         | 121.67        | 5.32 | MWD         |      |
| 5100.00                                                                                                            | 5098.02        | 5100.02           | 180.01                  | 11.35              | 11.35              | 12.60                 | 103.67        | 126.99        | 5.45 | MWD         |      |
| 5200.00                                                                                                            | 5197.88        | 5199.88           | 180.01                  | 11.58              | 11.58              | 12.85                 | 108.54        | 132.31        | 5.57 | MWD         |      |
| 5300.00                                                                                                            | 5297.74        | 5299.74           | 180.01                  | 11.80              | 11.80              | 13.10                 | 113.40        | 137.63        | 5.68 | MWD         |      |
| 5400.00                                                                                                            | 5397.60        | 5399.60           | 180.01                  | 12.03              | 12.03              | 13.35                 | 118.27        | 142.95        | 5.79 | MWD         |      |
| 5500.00                                                                                                            | 5497.46        | 5499.46           | 180.01                  | 12.25              | 12.25              | 13.61                 | 123.14        | 148.27        | 5.90 | MWD         |      |
| 5600.00                                                                                                            | 5597.31        | 5599.31           | 180.01                  | 12.47              | 12.47              | 13.88                 | 128.00        | 153.59        | 6.00 | MWD         |      |
| 5700.00                                                                                                            | 5697.17        | 5699.17           | 180.01                  | 12.70              | 12.70              | 14.15                 | 132.87        | 158.90        | 6.10 | MWD         |      |
| 5800.00                                                                                                            | 5797.03        | 5799.03           | 180.01                  | 12.92              | 12.92              | 14.42                 | 137.74        | 164.22        | 6.20 | MWD         |      |
| 5900.00                                                                                                            | 5896.89        | 5898.89           | 180.01                  | 13.15              | 13.15              | 14.70                 | 142.60        | 169.54        | 6.29 | MWD         |      |
| 6000.00                                                                                                            | 5996.75        | 5998.75           | 180.01                  | 13.37              | 13.37              | 14.98                 | 147.47        | 174.86        | 6.38 | MWD         |      |
| 6100.00                                                                                                            | 6096.61        | 6098.61           | 180.01                  | 13.60              | 13.60              | 15.27                 | 152.34        | 180.18        | 6.47 | MWD         |      |
| 6200.00                                                                                                            | 6196.47        | 6198.47           | 180.01                  | 13.82              | 13.82              | 15.56                 | 157.21        | 185.50        | 6.56 | MWD         |      |
| 6300.00                                                                                                            | 6296.32        | 6298.32           | 180.00                  | 14.05              | 14.05              | 15.85                 | 162.07        | 190.82        | 6.64 | MWD         |      |
| 6400.00                                                                                                            | 6396.18        | 6398.18           | 180.00                  | 14.27              | 14.27              | 16.15                 | 166.94        | 196.14        | 6.72 | MWD         |      |
| 6500.00                                                                                                            | 6496.04        | 6498.04           | 180.00                  | 14.49              | 14.49              | 16.46                 | 171.81        | 201.46        | 6.80 | MWD         |      |
| 6600.00                                                                                                            | 6595.90        | 6597.90           | 180.00                  | 14.72              | 14.72              | 16.77                 | 176.68        | 206.78        | 6.87 | MWD         |      |
| 6700.00                                                                                                            | 6695.76        | 6697.76           | 180.00                  | 14.94              | 14.94              | 17.08                 | 181.55        | 212.10        | 6.94 | MWD         |      |
| 6800.00                                                                                                            | 6795.62        | 6797.62           | 180.00                  | 15.17              | 15.17              | 17.40                 | 186.41        | 217.41        | 7.01 | MWD         |      |
| 6900.00                                                                                                            | 6895.47        | 6897.47           | 180.00                  | 15.39              | 15.39              | 17.73                 | 191.28        | 222.73        | 7.08 | MWD         |      |
| 7000.00                                                                                                            | 6995.33        | 6997.33           | 180.00                  | 15.62              | 15.62              | 18.05                 | 196.15        | 228.05        | 7.15 | MWD         |      |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |      |             |      |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|------|-------------|------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk |
| 7100.00                                                                                                            | 7095.19        | 7097.19           | 180.00                  | 15.84              | 15.84              | 18.39                 | 201.02        | 233.37        | 7.21 | MWD         |      |
| 7200.00                                                                                                            | 7195.05        | 7197.05           | 180.00                  | 16.07              | 16.07              | 18.73                 | 205.88        | 238.69        | 7.28 | MWD         |      |
| 7300.00                                                                                                            | 7294.91        | 7296.91           | 180.00                  | 16.29              | 16.29              | 19.07                 | 210.75        | 244.01        | 7.34 | MWD         |      |
| 7400.00                                                                                                            | 7394.77        | 7396.77           | 180.00                  | 16.51              | 16.51              | 19.42                 | 215.62        | 249.33        | 7.40 | MWD         |      |
| 7500.00                                                                                                            | 7494.63        | 7496.63           | 180.00                  | 16.74              | 16.74              | 19.78                 | 220.49        | 254.65        | 7.45 | MWD         |      |
| 7600.00                                                                                                            | 7594.48        | 7596.48           | 180.00                  | 16.96              | 16.96              | 20.14                 | 225.35        | 259.97        | 7.51 | MWD         |      |
| 7700.00                                                                                                            | 7694.34        | 7696.34           | 180.00                  | 17.19              | 17.19              | 20.50                 | 230.22        | 265.29        | 7.57 | MWD         |      |
| 7800.00                                                                                                            | 7794.20        | 7796.20           | 180.00                  | 17.41              | 17.41              | 20.87                 | 235.09        | 270.61        | 7.62 | MWD         |      |
| 7900.00                                                                                                            | 7894.06        | 7896.06           | 180.00                  | 17.64              | 17.64              | 21.25                 | 239.96        | 275.92        | 7.67 | MWD         |      |
| 8000.00                                                                                                            | 7993.92        | 7995.92           | 180.00                  | 17.86              | 17.86              | 21.63                 | 244.82        | 281.24        | 7.72 | MWD         |      |
| 8100.00                                                                                                            | 8093.78        | 8095.78           | 180.00                  | 18.09              | 18.09              | 22.02                 | 249.69        | 286.56        | 7.77 | MWD         |      |
| 8200.00                                                                                                            | 8193.63        | 8195.63           | 180.00                  | 18.31              | 18.31              | 22.41                 | 254.56        | 291.88        | 7.82 | MWD         |      |
| 8300.00                                                                                                            | 8293.49        | 8295.49           | 180.00                  | 18.53              | 18.53              | 22.81                 | 259.43        | 297.20        | 7.87 | MWD         |      |
| 8400.00                                                                                                            | 8393.35        | 8395.35           | 180.00                  | 18.76              | 18.76              | 23.21                 | 264.29        | 302.52        | 7.91 | MWD         |      |
| 8500.00                                                                                                            | 8493.21        | 8495.21           | 180.00                  | 18.98              | 18.98              | 23.62                 | 269.16        | 307.84        | 7.96 | MWD         |      |
| 8600.00                                                                                                            | 8593.07        | 8595.07           | 180.00                  | 19.21              | 19.21              | 24.04                 | 274.03        | 313.16        | 8.00 | MWD         |      |
| 8700.00                                                                                                            | 8692.93        | 8694.93           | 180.00                  | 19.43              | 19.43              | 24.46                 | 278.90        | 318.48        | 8.05 | MWD         |      |
| 8800.00                                                                                                            | 8792.78        | 8794.78           | 180.00                  | 19.66              | 19.66              | 24.88                 | 283.76        | 323.80        | 8.09 | MWD         |      |
| 8900.00                                                                                                            | 8892.64        | 8894.64           | 180.00                  | 19.88              | 19.88              | 25.31                 | 288.63        | 329.12        | 8.13 | MWD         |      |
| 9000.00                                                                                                            | 8992.50        | 8994.50           | 180.00                  | 20.11              | 20.11              | 25.75                 | 293.50        | 334.43        | 8.17 | MWD         |      |
| 9100.00                                                                                                            | 9092.32        | 9094.32           | 180.00                  | 20.34              | 20.34              | 26.19                 | 298.37        | 339.75        | 8.21 | MWD         |      |
| 9200.00                                                                                                            | 9192.17        | 9194.17           | 180.00                  | 20.57              | 20.57              | 26.63                 | 303.24        | 345.07        | 8.25 | MWD         |      |
| 9300.00                                                                                                            | 9292.02        | 9294.02           | 180.00                  | 20.80              | 20.80              | 27.07                 | 308.11        | 350.39        | 8.29 | MWD         |      |
| 9400.00                                                                                                            | 9391.87        | 9393.87           | 180.00                  | 21.03              | 21.03              | 27.51                 | 312.98        | 355.71        | 8.33 | MWD         |      |
| 9500.00                                                                                                            | 9491.72        | 9493.72           | 180.00                  | 21.26              | 21.26              | 27.95                 | 317.85        | 361.03        | 8.37 | MWD         |      |
| 9600.00                                                                                                            | 9591.57        | 9593.57           | 180.00                  | 21.49              | 21.49              | 28.39                 | 322.72        | 366.35        | 8.41 | MWD         |      |
| 9700.00                                                                                                            | 9691.42        | 9693.42           | 180.00                  | 21.72              | 21.72              | 28.83                 | 327.59        | 371.67        | 8.45 | MWD         |      |
| 9800.00                                                                                                            | 9791.27        | 9793.27           | 180.00                  | 21.95              | 21.95              | 29.27                 | 332.46        | 376.99        | 8.49 | MWD         |      |
| 9900.00                                                                                                            | 9891.12        | 9893.12           | 180.00                  | 22.18              | 22.18              | 29.71                 | 337.33        | 382.31        | 8.53 | MWD         |      |
| 10000.00                                                                                                           | 9990.97        | 9992.97           | 180.00                  | 22.41              | 22.41              | 30.15                 | 342.20        | 387.63        | 8.57 | MWD         |      |
| 10100.00                                                                                                           | 10090.82       | 10092.82          | 180.00                  | 22.64              | 22.64              | 30.59                 | 347.07        | 392.95        | 8.61 | MWD         |      |
| 10200.00                                                                                                           | 10190.67       | 10192.67          | 180.00                  | 22.87              | 22.87              | 31.03                 | 351.94        | 398.27        | 8.65 | MWD         |      |
| 10300.00                                                                                                           | 10290.52       | 10292.52          | 180.00                  | 23.10              | 23.10              | 31.47                 | 356.81        | 403.59        | 8.69 | MWD         |      |
| 10400.00                                                                                                           | 10390.37       | 10392.37          | 180.00                  | 23.33              | 23.33              | 31.91                 | 361.68        | 408.91        | 8.73 | MWD         |      |
| 10500.00                                                                                                           | 10490.22       | 10492.22          | 180.00                  | 23.56              | 23.56              | 32.35                 | 366.55        | 414.23        | 8.77 | MWD         |      |
| 10600.00                                                                                                           | 10590.07       | 10592.07          | 180.00                  | 23.79              | 23.79              | 32.79                 | 371.42        | 419.55        | 8.81 | MWD         |      |
| 10700.00                                                                                                           | 10689.92       | 10691.92          | 180.00                  | 24.02              | 24.02              | 33.23                 | 376.29        | 424.87        | 8.85 | MWD         |      |
| 10800.00                                                                                                           | 10789.77       | 10791.77          | 180.00                  | 24.25              | 24.25              | 33.67                 | 381.16        | 430.19        | 8.89 | MWD         |      |
| 10900.00                                                                                                           | 10889.62       | 10891.62          | 180.00                  | 24.48              | 24.48              | 34.11                 | 386.03        | 435.51        | 8.93 | MWD         |      |
| 11000.00                                                                                                           | 10989.47       | 10991.47          | 180.00                  | 24.71              | 24.71              | 34.55                 | 390.90        | 440.83        | 8.97 | MWD         |      |
| 11100.00                                                                                                           | 11089.32       | 11091.32          | 180.00                  | 24.94              | 24.94              | 34.99                 | 395.77        | 446.15        | 9.01 | MWD         |      |
| 11200.00                                                                                                           | 11189.17       | 11191.17          | 180.00                  | 25.17              | 25.17              | 35.43                 | 400.64        | 451.47        | 9.05 | MWD         |      |
| 11300.00                                                                                                           | 11289.02       | 11291.02          | 180.00                  | 25.40              | 25.40              | 35.87                 | 405.51        | 456.79        | 9.09 | MWD         |      |
| 11400.00                                                                                                           | 11388.87       | 11390.87          | 180.00                  | 25.63              | 25.63              | 36.31                 | 410.38        | 462.11        | 9.13 | MWD         |      |
| 11500.00                                                                                                           | 11488.72       | 11490.72          | 180.00                  | 25.86              | 25.86              | 36.75                 | 415.25        | 467.43        | 9.17 | MWD         |      |
| 11600.00                                                                                                           | 11588.57       | 11590.57          | 180.00                  | 26.09              | 26.09              | 37.19                 | 420.12        | 472.75        | 9.21 | MWD         |      |
| 11700.00                                                                                                           | 11688.42       | 11690.42          | 180.00                  | 26.32              | 26.32              | 37.63                 | 424.99        | 478.07        | 9.25 | MWD         |      |
| 11800.00                                                                                                           | 11788.27       | 11790.27          | 180.00                  | 26.55              | 26.55              | 38.07                 | 429.86        | 483.39        | 9.29 | MWD         |      |
| 11900.00                                                                                                           | 11888.12       | 11890.12          | 180.00                  | 26.78              | 26.78              | 38.51                 | 434.73        | 488.71        | 9.33 | MWD         |      |
| 12000.00                                                                                                           | 11987.97       | 11989.97          | 180.00                  | 27.01              | 27.01              | 38.95                 | 439.60        | 494.03        | 9.37 | MWD         |      |
| 12100.00                                                                                                           | 12087.82       | 12089.82          | 180.00                  | 27.24              | 27.24              | 39.39                 | 444.47        | 499.35        | 9.41 | MWD         |      |
| 12200.00                                                                                                           | 12187.67       | 12189.67          | 180.00                  | 27.47              | 27.47              | 39.83                 | 449.34        | 504.67        | 9.45 | MWD         |      |
| 12300.00                                                                                                           | 12287.52       | 12289.52          | 180.00                  | 27.70              | 27.70              | 40.27                 | 454.21        | 510.00        | 9.49 | MWD         |      |
| 12400.00                                                                                                           | 12387.37       | 12389.37          | 180.00                  | 27.93              | 27.93              | 40.71                 | 459.08        | 515.32        | 9.53 | MWD         |      |
| 12500.00                                                                                                           | 12487.22       | 12489.22          | 180.00                  | 28.16              | 28.16              | 41.15                 | 463.95        | 520.64        | 9.57 | MWD         |      |
| 12600.00                                                                                                           | 12587.07       | 12589.07          | 180.00                  | 28.39              | 28.39              | 41.59                 | 468.82        | 525.96        | 9.61 | MWD         |      |
| 12700.00                                                                                                           | 12686.92       | 12688.92          | 180.00                  | 28.62              | 28.62              | 42.03                 | 473.69        | 531.28        | 9.65 | MWD         |      |
| 12800.00                                                                                                           | 12786.77       | 12788.77          | 180.00                  | 28.85              | 28.85              | 42.47                 | 478.56        | 536.60        | 9.69 | MWD         |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 21H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |             |         |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|-------------|---------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk    |
| 12900.00                                                                                                           | 9572.00        | 12106.17          | 0.00                    | 54.42              | 23.95              | 47.90                 | 386.78        | 438.00        | 8.55  | MWD         |         |
| 13000.00                                                                                                           | 9572.00        | 12206.17          | 0.00                    | 56.10              | 24.55              | 49.10                 | 385.52        | 438.00        | 8.35  | MWD         |         |
| 13100.00                                                                                                           | 9572.00        | 12306.17          | 0.00                    | 57.80              | 25.16              | 50.31                 | 384.27        | 438.00        | 8.15  | MWD         |         |
| 13200.00                                                                                                           | 9572.00        | 12406.17          | 0.00                    | 59.51              | 25.77              | 51.54                 | 383.02        | 438.00        | 7.97  | MWD         |         |
| 13300.00                                                                                                           | 9572.00        | 12506.17          | 0.00                    | 61.22              | 26.39              | 52.78                 | 381.77        | 438.00        | 7.79  | MWD         |         |
| 13400.00                                                                                                           | 9572.00        | 12606.17          | 0.00                    | 62.94              | 27.01              | 54.03                 | 380.52        | 438.00        | 7.62  | MWD         |         |
| 13500.00                                                                                                           | 9572.00        | 12706.17          | 0.00                    | 64.66              | 27.65              | 55.29                 | 379.26        | 438.00        | 7.46  | MWD         |         |
| 13600.00                                                                                                           | 9572.00        | 12806.17          | 0.00                    | 66.39              | 28.28              | 56.56                 | 377.99        | 438.00        | 7.30  | MWD         |         |
| 13700.00                                                                                                           | 9572.00        | 12906.17          | 0.00                    | 68.13              | 28.92              | 57.84                 | 376.72        | 438.00        | 7.15  | MWD         |         |
| 13800.00                                                                                                           | 9572.00        | 13006.17          | 0.00                    | 69.87              | 29.57              | 59.13                 | 375.44        | 438.00        | 7.00  | MWD         |         |
| 13900.00                                                                                                           | 9572.00        | 13106.17          | 0.00                    | 71.61              | 30.22              | 60.43                 | 374.15        | 438.00        | 6.86  | MWD         |         |
| 14000.00                                                                                                           | 9572.00        | 13206.17          | 0.00                    | 73.36              | 30.87              | 61.74                 | 372.86        | 438.00        | 6.72  | MWD         |         |
| 14100.00                                                                                                           | 9572.00        | 13306.17          | 0.00                    | 75.11              | 31.52              | 63.05                 | 371.56        | 438.00        | 6.59  | MWD         |         |
| 14200.00                                                                                                           | 9572.00        | 13406.17          | 0.00                    | 76.87              | 32.18              | 64.37                 | 370.25        | 438.00        | 6.47  | MWD         |         |
| 14300.00                                                                                                           | 9572.00        | 13506.17          | 0.00                    | 78.62              | 32.85              | 65.69                 | 368.93        | 438.00        | 6.34  | MWD         |         |
| 14400.00                                                                                                           | 9572.00        | 13606.17          | 0.00                    | 80.39              | 33.51              | 67.02                 | 367.59        | 438.00        | 6.22  | MWD         |         |
| 14500.00                                                                                                           | 9572.00        | 13706.17          | 0.00                    | 82.15              | 34.18              | 68.36                 | 366.24        | 438.00        | 6.10  | MWD         |         |
| 14600.00                                                                                                           | 9572.00        | 13806.17          | 0.00                    | 83.92              | 34.85              | 69.70                 | 364.89        | 438.00        | 5.99  | MWD         |         |
| 14700.00                                                                                                           | 9572.00        | 13906.17          | 0.00                    | 85.69              | 35.52              | 71.05                 | 363.53        | 438.00        | 5.88  | MWD         |         |
| 14800.00                                                                                                           | 9572.00        | 14006.17          | 0.00                    | 87.46              | 36.20              | 72.40                 | 362.17        | 438.00        | 5.78  | MWD         |         |
| 14900.00                                                                                                           | 9572.00        | 14106.17          | 0.00                    | 89.23              | 36.88              | 73.76                 | 360.81        | 438.00        | 5.67  | MWD         |         |
| 15000.00                                                                                                           | 9572.00        | 14206.17          | 0.00                    | 91.01              | 37.56              | 75.12                 | 359.45        | 438.00        | 5.58  | MWD         |         |
| 15100.00                                                                                                           | 9572.00        | 14306.17          | 0.00                    | 92.79              | 38.24              | 76.48                 | 358.08        | 438.00        | 5.48  | MWD         |         |
| 15200.00                                                                                                           | 9572.00        | 14406.17          | 0.00                    | 94.57              | 38.92              | 77.85                 | 356.70        | 438.00        | 5.39  | MWD         |         |
| 15300.00                                                                                                           | 9572.00        | 14506.17          | 0.00                    | 96.35              | 39.61              | 79.22                 | 355.33        | 438.00        | 5.30  | MWD         |         |
| 15400.00                                                                                                           | 9572.00        | 14606.17          | 0.00                    | 98.14              | 40.30              | 80.59                 | 353.95        | 438.00        | 5.21  | MWD         |         |
| 15500.00                                                                                                           | 9572.00        | 14706.17          | 0.00                    | 99.92              | 40.99              | 81.97                 | 352.57        | 438.00        | 5.13  | MWD         |         |
| 15600.00                                                                                                           | 9572.00        | 14806.17          | 0.00                    | 101.71             | 41.68              | 83.35                 | 351.19        | 438.00        | 5.05  | MWD         |         |
| 15700.00                                                                                                           | 9572.00        | 14906.17          | 0.00                    | 103.50             | 42.37              | 84.74                 | 349.80        | 438.00        | 4.97  | MWD         |         |
| 15800.00                                                                                                           | 9572.00        | 15006.17          | 0.00                    | 105.29             | 43.06              | 86.12                 | 348.41        | 438.00        | 4.89  | MWD         |         |
| 15900.00                                                                                                           | 9572.00        | 15106.17          | 0.00                    | 107.08             | 43.76              | 87.51                 | 347.02        | 438.00        | 4.81  | MWD         |         |
| 16000.00                                                                                                           | 9572.00        | 15206.17          | 0.00                    | 108.87             | 44.45              | 88.90                 | 345.63        | 438.00        | 4.74  | MWD         |         |
| 16100.00                                                                                                           | 9572.00        | 15306.17          | 0.00                    | 110.66             | 45.15              | 90.30                 | 344.23        | 438.00        | 4.67  | MWD         |         |
| 16200.00                                                                                                           | 9572.00        | 15406.17          | 0.00                    | 112.46             | 45.85              | 91.69                 | 342.83        | 438.00        | 4.60  | MWD         |         |
| 16300.00                                                                                                           | 9572.00        | 15506.17          | 0.00                    | 114.25             | 46.55              | 93.09                 | 341.43        | 438.00        | 4.54  | MWD         |         |
| 16400.00                                                                                                           | 9572.00        | 15606.17          | 0.00                    | 116.05             | 47.25              | 94.49                 | 340.03        | 438.00        | 4.47  | MWD         |         |
| 16500.00                                                                                                           | 9572.00        | 15706.17          | 0.00                    | 117.84             | 47.95              | 95.90                 | 338.63        | 438.00        | 4.41  | MWD         |         |
| 16600.00                                                                                                           | 9572.00        | 15806.17          | 0.00                    | 119.64             | 48.65              | 97.30                 | 337.23        | 438.00        | 4.35  | MWD         |         |
| 16700.00                                                                                                           | 9572.00        | 15906.17          | 0.00                    | 121.44             | 49.35              | 98.71                 | 335.82        | 438.00        | 4.29  | MWD         |         |
| 16800.00                                                                                                           | 9572.00        | 16006.17          | 0.00                    | 123.24             | 50.06              | 100.11                | 334.41        | 438.00        | 4.23  | MWD         |         |
| 16900.00                                                                                                           | 9572.00        | 16106.17          | 0.00                    | 125.04             | 50.76              | 101.52                | 333.00        | 438.00        | 4.17  | MWD         |         |
| 17000.00                                                                                                           | 9572.00        | 16206.17          | 0.00                    | 126.84             | 51.47              | 102.94                | 331.59        | 438.00        | 4.12  | MWD         |         |
| 17100.00                                                                                                           | 9572.00        | 16306.17          | 0.00                    | 128.65             | 52.17              | 104.35                | 330.18        | 438.00        | 4.06  | MWD         |         |
| 17200.00                                                                                                           | 9572.00        | 16406.17          | 0.00                    | 130.45             | 52.88              | 105.76                | 328.76        | 438.00        | 4.01  | MWD         |         |
| 17300.00                                                                                                           | 9572.00        | 16506.17          | 0.00                    | 132.25             | 53.59              | 107.18                | 327.35        | 438.00        | 3.96  | MWD         |         |
| 17400.00                                                                                                           | 9572.00        | 16606.17          | 0.00                    | 134.06             | 54.30              | 108.59                | 325.93        | 438.00        | 3.91  | MWD         |         |
| 17500.00                                                                                                           | 9572.00        | 16706.17          | 0.00                    | 135.86             | 55.01              | 110.01                | 324.51        | 438.00        | 3.86  | MWD         |         |
| 17600.00                                                                                                           | 9572.00        | 16806.17          | 0.00                    | 137.67             | 55.72              | 111.43                | 323.09        | 438.00        | 3.81  | MWD         |         |
| 17700.00                                                                                                           | 9572.00        | 16906.17          | 0.00                    | 139.47             | 56.43              | 112.85                | 321.67        | 438.00        | 3.77  | MWD         |         |
| 17800.00                                                                                                           | 9572.00        | 17006.17          | 0.00                    | 141.28             | 57.14              | 114.28                | 320.25        | 438.00        | 3.72  | MWD         |         |
| 17900.00                                                                                                           | 9572.00        | 17106.17          | 0.00                    | 143.09             | 57.85              | 115.70                | 318.83        | 438.00        | 3.68  | MWD         |         |
| 17996.84                                                                                                           | 9572.00        | 17203.00          | 0.00                    | 144.84             | 58.54              | 117.08                | 317.45        | 438.00        | 3.63  | MWD         |         |
| Secondary Well: Fighting Okra 18-19 Fed 41H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |             |         |
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk    |
| 0.00                                                                                                               | 3.00           | 0.00              | 359.54                  | 0.00               | 0.00               | 0.00                  | 29.38         | 30.10         | 41.64 | MWD         |         |
| 100.00                                                                                                             | 100.00         | 97.00             | 359.54                  | 0.11               | 0.11               | 4.46                  | 29.01         | 29.95         | 31.86 | MWD         | CC (Lo) |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 41H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |       |             |                 |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|-------|-------------|-----------------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF    | Survey Tool | Risk            |
| 200.00                                                                                                             | 200.00         | 197.00            | 359.54                  | 0.33               | 0.33               | 4.62                  | 28.56         | 29.95         | 21.60 | MWD         | CC (Lo)         |
| 300.00                                                                                                             | 300.00         | 297.00            | 359.54                  | 0.56               | 0.56               | 4.65                  | 28.12         | 29.95         | 16.31 | MWD         | CC (Lo)         |
| 400.00                                                                                                             | 400.00         | 397.00            | 359.54                  | 0.78               | 0.78               | 4.69                  | 27.67         | 29.95         | 13.11 | MWD         | CC (Lo)         |
| 500.00                                                                                                             | 500.00         | 497.00            | 359.54                  | 1.00               | 1.00               | 4.75                  | 27.22         | 29.95         | 10.95 | MWD         | CC (Lo)         |
| 600.00                                                                                                             | 600.00         | 597.00            | 359.54                  | 1.23               | 1.23               | 4.81                  | 26.77         | 29.95         | 9.41  | MWD         | CC (Lo)         |
| 700.00                                                                                                             | 700.00         | 697.00            | 359.54                  | 1.45               | 1.45               | 4.88                  | 26.32         | 29.95         | 8.24  | MWD         | CC (Lo)         |
| 800.00                                                                                                             | 800.00         | 797.00            | 359.54                  | 1.68               | 1.68               | 4.97                  | 25.87         | 29.95         | 7.33  | MWD         | CC (Lo)         |
| 900.00                                                                                                             | 900.00         | 897.00            | 359.54                  | 1.90               | 1.90               | 5.06                  | 25.42         | 29.95         | 6.61  | MWD         | CC (Lo)         |
| 1000.00                                                                                                            | 1000.00        | 997.00            | 359.54                  | 2.13               | 2.13               | 5.16                  | 24.97         | 29.95         | 6.01  | MWD         | CC (Lo)         |
| 1100.00                                                                                                            | 1100.00        | 1097.00           | 359.54                  | 2.35               | 2.35               | 5.27                  | 24.52         | 29.95         | 5.51  | MWD         | CC (Lo)         |
| 1200.00                                                                                                            | 1200.00        | 1197.00           | 359.54                  | 2.58               | 2.58               | 5.38                  | 24.07         | 29.95         | 5.09  | MWD         | CC (Lo)         |
| 1300.00                                                                                                            | 1300.00        | 1297.00           | 359.54                  | 2.80               | 2.80               | 5.50                  | 23.62         | 29.95         | 4.73  | MWD         | CC (Lo)         |
| 1400.00                                                                                                            | 1400.00        | 1397.00           | 359.54                  | 3.03               | 3.03               | 5.62                  | 23.17         | 29.95         | 4.42  | MWD         | CC (Lo)         |
| 1500.00                                                                                                            | 1500.00        | 1497.00           | 359.54                  | 3.25               | 3.25               | 5.75                  | 22.72         | 29.95         | 4.14  | MWD         | CC (Lo)         |
| 1600.00                                                                                                            | 1600.00        | 1597.00           | 359.54                  | 3.48               | 3.48               | 5.89                  | 22.27         | 29.95         | 3.90  | MWD         | CC (Lo)         |
| 1700.00                                                                                                            | 1700.00        | 1697.00           | 359.54                  | 3.70               | 3.70               | 6.03                  | 21.82         | 29.95         | 3.68  | MWD         | CC (Lo)         |
| 1800.00                                                                                                            | 1800.00        | 1797.00           | 359.54                  | 3.93               | 3.93               | 6.17                  | 21.37         | 29.95         | 3.49  | MWD         | CC (Lo)         |
| 1900.00                                                                                                            | 1900.00        | 1897.00           | 359.54                  | 4.15               | 4.15               | 6.32                  | 20.92         | 29.95         | 3.32  | MWD         | CC (Lo)         |
| 2000.00                                                                                                            | 2000.00        | 1997.00           | 359.54                  | 4.38               | 4.38               | 6.47                  | 20.47         | 29.95         | 3.16  | MWD         | CC (Lo)         |
| 2100.00                                                                                                            | 2100.00        | 2097.00           | 359.54                  | 4.60               | 4.60               | 6.62                  | 20.02         | 29.95         | 3.02  | MWD         | CC (Lo)         |
| 2200.00                                                                                                            | 2200.00        | 2197.00           | 359.54                  | 4.83               | 4.83               | 6.78                  | 19.57         | 29.95         | 2.89  | MWD         | CC (Lo)         |
| 2300.00                                                                                                            | 2300.00        | 2297.00           | 359.54                  | 5.05               | 5.05               | 6.94                  | 19.12         | 29.95         | 2.77  | MWD         | CC (Lo)         |
| 2400.00                                                                                                            | 2400.00        | 2397.00           | 359.54                  | 5.28               | 5.28               | 7.10                  | 18.67         | 29.95         | 2.66  | MWD         | CC (Lo)         |
| 2500.00                                                                                                            | 2500.00        | 2497.00           | 359.54                  | 5.50               | 5.50               | 7.27                  | 18.22         | 29.95         | 2.55  | MWD         | CC (Lo)         |
| 2600.00                                                                                                            | 2600.00        | 2597.00           | 359.54                  | 5.73               | 5.73               | 7.44                  | 17.78         | 29.95         | 2.46  | MWD         | SF(Lo); CC (Lo) |
| 2700.00                                                                                                            | 2700.00        | 2697.00           | 359.54                  | 5.95               | 5.95               | 7.61                  | 17.33         | 29.95         | 2.37  | MWD         | SF(Lo); CC (Lo) |
| 2800.00                                                                                                            | 2800.00        | 2797.00           | 359.54                  | 6.17               | 6.17               | 7.78                  | 16.88         | 29.95         | 2.29  | MWD         | SF(Lo); CC (Lo) |
| 2900.00                                                                                                            | 2900.00        | 2897.00           | 359.54                  | 6.40               | 6.40               | 7.96                  | 16.43         | 29.95         | 2.21  | MWD         | SF(Lo); CC (Lo) |
| 3000.00                                                                                                            | 3000.00        | 2997.00           | 359.54                  | 6.62               | 6.62               | 8.14                  | 15.98         | 29.95         | 2.14  | MWD         | SF(Lo); CC (Lo) |
| 3100.00                                                                                                            | 3100.00        | 3097.00           | 359.54                  | 6.85               | 6.85               | 8.32                  | 15.53         | 29.95         | 2.08  | MWD         | SF(Lo); CC (Lo) |
| 3200.00                                                                                                            | 3200.00        | 3197.00           | 359.54                  | 7.07               | 7.07               | 8.51                  | 15.08         | 29.95         | 2.01  | MWD         | SF(Lo); CC (Lo) |
| 3300.00                                                                                                            | 3300.00        | 3297.00           | 359.54                  | 7.30               | 7.30               | 8.70                  | 14.63         | 29.95         | 1.95  | MWD         | SF(Lo); CC (Lo) |
| 3400.00                                                                                                            | 3399.48        | 3396.49           | 359.46                  | 7.52               | 7.52               | 8.89                  | 15.01         | 30.77         | 1.95  | MWD         | SF(Lo)          |
| 3500.00                                                                                                            | 3498.86        | 3495.90           | 359.24                  | 7.74               | 7.74               | 9.08                  | 17.12         | 33.31         | 2.06  | MWD         | SF(Lo)          |
| 3600.00                                                                                                            | 3598.11        | 3595.24           | 359.33                  | 7.97               | 7.96               | 9.27                  | 20.13         | 36.72         | 2.21  | MWD         | SF(Lo)          |
| 3700.00                                                                                                            | 3697.20        | 3694.51           | 358.94                  | 8.19               | 8.18               | 9.47                  | 23.08         | 40.12         | 2.35  | MWD         | SF(Lo)          |
| 3800.00                                                                                                            | 3796.12        | 3793.73           | 358.48                  | 8.41               | 8.39               | 9.66                  | 26.05         | 43.50         | 2.49  | MWD         | SF(Lo)          |
| 3900.00                                                                                                            | 3895.08        | 3893.13           | 358.01                  | 8.64               | 8.61               | 9.86                  | 29.66         | 47.57         | 2.66  | MWD         |                 |
| 4000.00                                                                                                            | 3994.50        | 3993.03           | 357.60                  | 8.87               | 8.84               | 10.07                 | 33.65         | 52.03         | 2.83  | MWD         |                 |
| 4100.00                                                                                                            | 4093.93        | 4092.93           | 357.26                  | 9.10               | 9.06               | 10.28                 | 37.69         | 56.48         | 3.00  | MWD         |                 |
| 4200.00                                                                                                            | 4193.35        | 4192.83           | 356.97                  | 9.34               | 9.29               | 10.49                 | 41.70         | 60.94         | 3.17  | MWD         |                 |
| 4300.00                                                                                                            | 4292.77        | 4292.73           | 356.72                  | 9.58               | 9.52               | 10.71                 | 45.70         | 65.40         | 3.32  | MWD         |                 |
| 4400.00                                                                                                            | 4392.20        | 4392.63           | 356.51                  | 9.82               | 9.74               | 10.93                 | 49.71         | 69.86         | 3.47  | MWD         |                 |
| 4500.00                                                                                                            | 4491.62        | 4492.53           | 356.31                  | 10.06              | 9.97               | 11.15                 | 53.70         | 74.33         | 3.60  | MWD         |                 |
| 4600.00                                                                                                            | 4591.04        | 4592.43           | 356.14                  | 10.31              | 10.20              | 11.38                 | 57.74         | 78.79         | 3.74  | MWD         |                 |
| 4700.00                                                                                                            | 4690.46        | 4692.33           | 355.99                  | 10.55              | 10.43              | 11.61                 | 61.73         | 83.25         | 3.87  | MWD         |                 |
| 4800.00                                                                                                            | 4789.89        | 4792.23           | 355.85                  | 10.80              | 10.65              | 11.85                 | 65.72         | 87.72         | 3.99  | MWD         |                 |
| 4900.00                                                                                                            | 4889.31        | 4892.13           | 355.73                  | 11.05              | 10.88              | 12.08                 | 69.73         | 92.18         | 4.11  | MWD         |                 |
| 5000.00                                                                                                            | 4988.73        | 4992.03           | 355.62                  | 11.30              | 11.11              | 12.33                 | 73.74         | 96.65         | 4.22  | MWD         |                 |
| 5100.00                                                                                                            | 5088.16        | 5091.93           | 355.52                  | 11.56              | 11.34              | 12.57                 | 77.75         | 101.11        | 4.33  | MWD         |                 |
| 5200.00                                                                                                            | 5187.58        | 5191.83           | 355.42                  | 11.81              | 11.57              | 12.82                 | 81.76         | 105.58        | 4.43  | MWD         |                 |
| 5300.00                                                                                                            | 5287.00        | 5291.73           | 355.34                  | 12.07              | 11.80              | 13.07                 | 85.77         | 110.04        | 4.53  | MWD         |                 |
| 5400.00                                                                                                            | 5386.43        | 5391.63           | 355.26                  | 12.32              | 12.03              | 13.33                 | 89.78         | 114.51        | 4.63  | MWD         |                 |

## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 41H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |      |             |      |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|------|-------------|------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk |
| 5500.00                                                                                                            | 5485.85        | 5491.53           | 355.18                  | 12.58              | 12.26              | 13.59                 | 93.79         | 118.98        | 4.72 | MWD         |      |
| 5600.00                                                                                                            | 5585.27        | 5591.43           | 355.12                  | 12.84              | 12.49              | 13.86                 | 97.80         | 123.44        | 4.81 | MWD         |      |
| 5700.00                                                                                                            | 5684.70        | 5691.33           | 355.05                  | 13.10              | 12.72              | 14.13                 | 101.81        | 127.91        | 4.90 | MWD         |      |
| 5800.00                                                                                                            | 5784.12        | 5791.23           | 354.99                  | 13.36              | 12.95              | 14.40                 | 105.82        | 132.38        | 4.99 | MWD         |      |
| 5900.00                                                                                                            | 5883.54        | 5891.13           | 354.94                  | 13.62              | 13.18              | 14.68                 | 109.84        | 136.84        | 5.07 | MWD         |      |
| 6000.00                                                                                                            | 5982.97        | 5991.03           | 354.89                  | 13.88              | 13.41              | 14.96                 | 113.85        | 141.31        | 5.15 | MWD         |      |
| 6100.00                                                                                                            | 6082.39        | 6090.93           | 354.84                  | 14.14              | 13.64              | 15.25                 | 117.86        | 145.78        | 5.22 | MWD         |      |
| 6200.00                                                                                                            | 6181.81        | 6190.83           | 354.79                  | 14.41              | 13.88              | 15.54                 | 121.87        | 150.24        | 5.30 | MWD         |      |
| 6300.00                                                                                                            | 6281.24        | 6290.73           | 354.75                  | 14.67              | 14.11              | 15.83                 | 125.88        | 154.71        | 5.37 | MWD         |      |
| 6400.00                                                                                                            | 6380.66        | 6390.63           | 354.71                  | 14.94              | 14.34              | 16.13                 | 129.89        | 159.18        | 5.44 | MWD         |      |
| 6500.00                                                                                                            | 6480.08        | 6490.53           | 354.67                  | 15.20              | 14.57              | 16.44                 | 133.91        | 163.65        | 5.50 | MWD         |      |
| 6600.00                                                                                                            | 6579.51        | 6590.43           | 354.64                  | 15.47              | 14.80              | 16.75                 | 137.92        | 168.11        | 5.57 | MWD         |      |
| 6700.00                                                                                                            | 6678.93        | 6690.33           | 354.60                  | 15.73              | 15.03              | 17.06                 | 141.93        | 172.58        | 5.63 | MWD         |      |
| 6800.00                                                                                                            | 6778.35        | 6790.23           | 354.57                  | 16.00              | 15.27              | 17.38                 | 145.94        | 177.05        | 5.69 | MWD         |      |
| 6900.00                                                                                                            | 6877.77        | 6890.13           | 354.54                  | 16.27              | 15.50              | 17.71                 | 149.95        | 181.52        | 5.75 | MWD         |      |
| 7000.00                                                                                                            | 6977.20        | 6990.03           | 354.51                  | 16.53              | 15.73              | 18.04                 | 153.96        | 185.98        | 5.81 | MWD         |      |
| 7100.00                                                                                                            | 7076.62        | 7089.93           | 354.48                  | 16.80              | 15.96              | 18.37                 | 157.97        | 190.45        | 5.86 | MWD         |      |
| 7200.00                                                                                                            | 7176.04        | 7189.83           | 354.45                  | 17.07              | 16.19              | 18.71                 | 161.98        | 194.92        | 5.92 | MWD         |      |
| 7300.00                                                                                                            | 7275.47        | 7289.73           | 354.43                  | 17.34              | 16.43              | 19.06                 | 165.99        | 199.39        | 5.97 | MWD         |      |
| 7400.00                                                                                                            | 7374.89        | 7389.63           | 354.40                  | 17.61              | 16.66              | 19.40                 | 170.00        | 203.86        | 6.02 | MWD         |      |
| 7500.00                                                                                                            | 7474.31        | 7489.53           | 354.38                  | 17.88              | 16.89              | 19.76                 | 174.02        | 208.32        | 6.07 | MWD         |      |
| 7600.00                                                                                                            | 7573.74        | 7589.43           | 354.36                  | 18.15              | 17.12              | 20.12                 | 178.03        | 212.79        | 6.12 | MWD         |      |
| 7700.00                                                                                                            | 7673.16        | 7689.33           | 354.33                  | 18.42              | 17.36              | 20.48                 | 182.04        | 217.26        | 6.17 | MWD         |      |
| 7800.00                                                                                                            | 7772.58        | 7789.23           | 354.31                  | 18.69              | 17.59              | 20.85                 | 186.05        | 221.73        | 6.21 | MWD         |      |
| 7900.00                                                                                                            | 7872.01        | 7889.13           | 354.29                  | 18.96              | 17.82              | 21.23                 | 190.06        | 226.20        | 6.26 | MWD         |      |
| 8000.00                                                                                                            | 7971.43        | 7989.03           | 354.28                  | 19.23              | 18.05              | 21.61                 | 194.07        | 230.66        | 6.30 | MWD         |      |
| 8100.00                                                                                                            | 8070.85        | 8088.93           | 354.26                  | 19.50              | 18.29              | 22.00                 | 198.08        | 235.13        | 6.35 | MWD         |      |
| 8200.00                                                                                                            | 8170.28        | 8188.83           | 354.24                  | 19.77              | 18.52              | 22.39                 | 202.09        | 239.60        | 6.39 | MWD         |      |
| 8300.00                                                                                                            | 8269.70        | 8288.73           | 354.22                  | 20.05              | 18.75              | 22.79                 | 206.10        | 244.07        | 6.43 | MWD         |      |
| 8400.00                                                                                                            | 8369.12        | 8388.63           | 354.21                  | 20.32              | 18.99              | 23.19                 | 210.11        | 248.54        | 6.47 | MWD         |      |
| 8500.00                                                                                                            | 8468.55        | 8488.53           | 354.19                  | 20.59              | 19.22              | 23.60                 | 214.12        | 253.00        | 6.51 | MWD         |      |
| 8600.00                                                                                                            | 8567.97        | 8588.43           | 354.17                  | 20.86              | 19.45              | 24.01                 | 218.13        | 257.47        | 6.54 | MWD         |      |
| 8700.00                                                                                                            | 8667.39        | 8688.33           | 354.16                  | 21.14              | 19.69              | 24.43                 | 222.14        | 261.94        | 6.58 | MWD         |      |
| 8800.00                                                                                                            | 8766.82        | 8788.23           | 354.15                  | 21.41              | 19.92              | 24.85                 | 226.15        | 266.41        | 6.62 | MWD         |      |
| 8900.00                                                                                                            | 8866.24        | 8888.13           | 354.13                  | 21.68              | 20.15              | 25.28                 | 230.16        | 270.88        | 6.65 | MWD         |      |
| 9000.00                                                                                                            | 8965.66        | 8988.03           | 354.12                  | 21.96              | 20.38              | 25.72                 | 234.17        | 275.35        | 6.69 | MWD         |      |
| 9100.00                                                                                                            | 9065.08        | 9089.43           | 354.10                  | 22.23              | 20.62              | 26.17                 | 238.10        | 279.74        | 6.72 | MWD         |      |
| 9200.00                                                                                                            | 9171.32        | 9194.53           | 354.08                  | 22.45              | 20.81              | 26.64                 | 241.00        | 283.07        | 6.73 | MWD         |      |
| 9300.00                                                                                                            | 9276.27        | 9299.70           | 354.07                  | 22.66              | 20.99              | 27.11                 | 243.73        | 286.16        | 6.74 | MWD         |      |
| 9400.00                                                                                                            | 9381.38        | 9404.93           | 354.08                  | 22.85              | 21.17              | 27.60                 | 246.37        | 289.16        | 6.76 | MWD         |      |
| 9500.00                                                                                                            | 9486.50        | 9510.09           | 174.12                  | 23.04              | 21.35              | 28.09                 | 251.31        | 294.43        | 6.83 | MWD         |      |
| 9600.00                                                                                                            | 9589.99        | 9613.59           | 174.30                  | 23.21              | 21.51              | 28.58                 | 270.09        | 313.53        | 7.22 | MWD         |      |
| 9700.00                                                                                                            | 9805.05        | 9833.66           | 175.00                  | 23.29              | 20.77              | 29.55                 | 289.72        | 331.60        | 7.92 | MWD         |      |
| 9800.00                                                                                                            | 10000.58       | 10069.14          | 175.53                  | 22.96              | 18.43              | 30.37                 | 289.36        | 326.61        | 8.77 | MWD         |      |
| 9900.00                                                                                                            | 10120.14       | 10282.56          | 175.91                  | 22.63              | 16.25              | 30.97                 | 267.09        | 299.90        | 9.14 | MWD         |      |
| 10000.00                                                                                                           | 10165.09       | 10459.62          | 176.19                  | 22.64              | 15.66              | 31.49                 | 226.28        | 257.56        | 8.23 | MWD         |      |
| 10100.00                                                                                                           | 10169.35       | 10568.63          | 176.50                  | 22.82              | 15.90              | 31.86                 | 179.63        | 211.26        | 6.68 | MWD         |      |
| 10200.00                                                                                                           | 10171.37       | 10663.44          | 177.03                  | 23.11              | 16.09              | 32.25                 | 147.92        | 179.86        | 5.63 | MWD         |      |
| 10300.00                                                                                                           | 10173.49       | 10762.23          | 177.86                  | 23.55              | 16.31              | 32.71                 | 133.09        | 165.40        | 5.12 | MWD         |      |
| 10400.00                                                                                                           | 10175.63       | 10862.16          | 178.87                  | 24.12              | 16.57              | 33.24                 | 132.98        | 165.70        | 5.06 | MWD         |      |
| 10500.00                                                                                                           | 10177.70       | 10963.38          | 179.85                  | 24.81              | 16.88              | 33.82                 | 134.55        | 167.72        | 5.06 | MWD         |      |
| 10600.00                                                                                                           | 10178.00       | 11065.67          | 179.99                  | 25.59              | 17.23              | 34.47                 | 134.21        | 168.00        | 4.97 | MWD         |      |
| 10700.00                                                                                                           | 10178.00       | 11165.67          | 179.99                  | 26.48              | 17.57              | 35.15                 | 133.57        | 168.00        | 4.88 | MWD         |      |
| 10800.00                                                                                                           | 10178.00       | 11265.67          | 179.99                  | 27.47              | 17.94              | 35.88                 | 132.91        | 168.00        | 4.79 | MWD         |      |
| 10900.00                                                                                                           | 10178.00       | 11365.67          | 179.99                  | 28.55              | 18.32              | 36.65                 | 132.22        | 168.00        | 4.70 | MWD         |      |
| 11000.00                                                                                                           | 10178.00       | 11465.67          | 179.99                  | 29.70              | 18.73              | 37.46                 | 131.52        | 168.00        | 4.61 | MWD         |      |
| 11100.00                                                                                                           | 10178.00       | 11565.67          | 179.99                  | 30.92              | 19.16              | 38.31                 | 130.69        | 168.00        | 4.50 | MWD         |      |
| 11200.00                                                                                                           | 10178.00       | 11665.67          | 179.99                  | 32.19              | 19.60              | 39.20                 | 129.87        | 168.00        | 4.41 | MWD         |      |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 41H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |      |             |        |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|------|-------------|--------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk   |
| 11300.00                                                                                                           | 10178.00       | 11765.67          | 179.99                  | 33.51              | 20.06              | 40.12                 | 129.07        | 168.00        | 4.31 | MWD         |        |
| 11400.00                                                                                                           | 10178.00       | 11865.67          | 179.99                  | 34.88              | 20.54              | 41.08                 | 128.09        | 168.00        | 4.21 | MWD         |        |
| 11500.00                                                                                                           | 10178.00       | 11965.67          | 179.99                  | 36.30              | 21.03              | 42.06                 | 127.12        | 168.00        | 4.11 | MWD         |        |
| 11600.00                                                                                                           | 10178.00       | 12065.67          | 179.99                  | 37.74              | 21.53              | 43.07                 | 126.26        | 168.00        | 4.02 | MWD         |        |
| 11700.00                                                                                                           | 10178.00       | 12165.67          | 179.99                  | 39.22              | 22.05              | 44.11                 | 125.18        | 168.00        | 3.92 | MWD         |        |
| 11800.00                                                                                                           | 10178.00       | 12265.67          | 179.99                  | 40.73              | 22.58              | 45.17                 | 124.15        | 168.00        | 3.83 | MWD         |        |
| 11900.00                                                                                                           | 10178.00       | 12365.67          | 179.99                  | 42.26              | 23.12              | 46.25                 | 123.17        | 168.00        | 3.75 | MWD         |        |
| 12000.00                                                                                                           | 10178.00       | 12465.67          | 179.99                  | 43.81              | 23.68              | 47.35                 | 122.03        | 168.00        | 3.65 | MWD         |        |
| 12100.00                                                                                                           | 10178.00       | 12565.67          | 179.99                  | 45.39              | 24.24              | 48.47                 | 120.92        | 168.00        | 3.57 | MWD         |        |
| 12200.00                                                                                                           | 10178.00       | 12665.67          | 179.99                  | 46.98              | 24.81              | 49.62                 | 119.95        | 168.00        | 3.50 | MWD         |        |
| 12300.00                                                                                                           | 10178.00       | 12765.67          | 179.99                  | 48.59              | 25.39              | 50.77                 | 118.70        | 168.00        | 3.41 | MWD         |        |
| 12400.00                                                                                                           | 10178.00       | 12865.67          | 179.99                  | 50.22              | 25.97              | 51.95                 | 117.58        | 168.00        | 3.33 | MWD         |        |
| 12500.00                                                                                                           | 10178.00       | 12965.67          | 179.99                  | 51.85              | 26.57              | 53.13                 | 116.36        | 168.00        | 3.25 | MWD         |        |
| 12600.00                                                                                                           | 10178.00       | 13065.67          | 179.99                  | 53.50              | 27.17              | 54.33                 | 115.18        | 168.00        | 3.18 | MWD         |        |
| 12700.00                                                                                                           | 10178.00       | 13165.67          | 179.99                  | 55.17              | 27.77              | 55.55                 | 114.04        | 168.00        | 3.11 | MWD         |        |
| 12800.00                                                                                                           | 10178.00       | 13265.67          | 179.99                  | 56.84              | 28.39              | 56.77                 | 112.94        | 168.00        | 3.05 | MWD         |        |
| 12900.00                                                                                                           | 10178.00       | 13365.67          | 179.99                  | 58.52              | 29.01              | 58.01                 | 111.65        | 168.00        | 2.98 | MWD         |        |
| 13000.00                                                                                                           | 10178.00       | 13465.67          | 179.99                  | 60.21              | 29.63              | 59.26                 | 110.36        | 168.00        | 2.91 | MWD         |        |
| 13100.00                                                                                                           | 10178.00       | 13565.67          | 179.99                  | 61.91              | 30.26              | 60.52                 | 109.08        | 168.00        | 2.85 | MWD         |        |
| 13200.00                                                                                                           | 10178.00       | 13665.67          | 179.99                  | 63.61              | 30.89              | 61.78                 | 107.80        | 168.00        | 2.79 | MWD         |        |
| 13300.00                                                                                                           | 10178.00       | 13765.67          | 179.99                  | 65.32              | 31.53              | 63.06                 | 106.53        | 168.00        | 2.73 | MWD         |        |
| 13400.00                                                                                                           | 10178.00       | 13865.67          | 179.99                  | 67.04              | 32.17              | 64.34                 | 105.26        | 168.00        | 2.68 | MWD         |        |
| 13500.00                                                                                                           | 10178.00       | 13965.67          | 180.00                  | 68.76              | 32.82              | 65.63                 | 103.99        | 168.00        | 2.62 | MWD         |        |
| 13600.00                                                                                                           | 10178.00       | 14065.67          | 180.00                  | 70.49              | 33.47              | 66.93                 | 102.71        | 168.00        | 2.57 | MWD         |        |
| 13700.00                                                                                                           | 10178.00       | 14165.67          | 180.00                  | 72.22              | 34.12              | 68.24                 | 101.44        | 168.00        | 2.52 | MWD         |        |
| 13800.00                                                                                                           | 10178.00       | 14265.67          | 180.00                  | 73.96              | 34.77              | 69.55                 | 100.16        | 168.00        | 2.48 | MWD         | SF(Lo) |
| 13900.00                                                                                                           | 10178.00       | 14365.67          | 180.00                  | 75.70              | 35.43              | 70.87                 | 98.87         | 168.00        | 2.43 | MWD         | SF(Lo) |
| 14000.00                                                                                                           | 10178.00       | 14465.67          | 180.00                  | 77.45              | 36.09              | 72.19                 | 97.58         | 168.00        | 2.39 | MWD         | SF(Lo) |
| 14100.00                                                                                                           | 10178.00       | 14565.67          | 180.00                  | 79.20              | 36.76              | 73.52                 | 96.28         | 168.00        | 2.34 | MWD         | SF(Lo) |
| 14200.00                                                                                                           | 10178.00       | 14665.67          | 180.00                  | 80.95              | 37.43              | 74.85                 | 94.99         | 168.00        | 2.30 | MWD         | SF(Lo) |
| 14300.00                                                                                                           | 10178.00       | 14765.67          | 180.00                  | 82.71              | 38.10              | 76.19                 | 93.67         | 168.00        | 2.26 | MWD         | SF(Lo) |
| 14400.00                                                                                                           | 10178.00       | 14865.67          | 180.00                  | 84.47              | 38.77              | 77.53                 | 92.33         | 168.00        | 2.22 | MWD         | SF(Lo) |
| 14500.00                                                                                                           | 10178.00       | 14965.67          | 180.00                  | 86.23              | 39.44              | 78.88                 | 90.99         | 168.00        | 2.18 | MWD         | SF(Lo) |
| 14600.00                                                                                                           | 10178.00       | 15065.67          | 180.00                  | 88.00              | 40.12              | 80.23                 | 89.65         | 168.00        | 2.14 | MWD         | SF(Lo) |
| 14700.00                                                                                                           | 10178.00       | 15165.67          | 180.00                  | 89.76              | 40.80              | 81.59                 | 88.31         | 168.00        | 2.11 | MWD         | SF(Lo) |
| 14800.00                                                                                                           | 10178.00       | 15265.67          | 180.00                  | 91.53              | 41.48              | 82.95                 | 86.96         | 168.00        | 2.07 | MWD         | SF(Lo) |
| 14900.00                                                                                                           | 10178.00       | 15365.67          | 180.00                  | 93.30              | 42.16              | 84.31                 | 85.61         | 168.00        | 2.04 | MWD         | SF(Lo) |
| 15000.00                                                                                                           | 10178.00       | 15465.67          | 180.00                  | 95.08              | 42.84              | 85.68                 | 84.23         | 168.00        | 2.01 | MWD         | SF(Lo) |
| 15100.00                                                                                                           | 10178.00       | 15565.67          | 180.00                  | 96.85              | 43.53              | 87.05                 | 82.85         | 168.00        | 1.97 | MWD         | SF(Lo) |
| 15200.00                                                                                                           | 10178.00       | 15665.67          | 180.00                  | 98.63              | 44.21              | 88.42                 | 81.47         | 168.00        | 1.94 | MWD         | SF(Lo) |
| 15300.00                                                                                                           | 10178.00       | 15765.67          | 180.00                  | 100.41             | 44.90              | 89.80                 | 80.08         | 168.00        | 1.91 | MWD         | SF(Lo) |
| 15400.00                                                                                                           | 10178.00       | 15865.67          | 180.00                  | 102.19             | 45.59              | 91.18                 | 78.69         | 168.00        | 1.88 | MWD         | SF(Lo) |
| 15500.00                                                                                                           | 10178.00       | 15965.67          | 180.00                  | 103.98             | 46.28              | 92.56                 | 77.30         | 168.00        | 1.85 | MWD         | SF(Lo) |
| 15600.00                                                                                                           | 10178.00       | 16065.67          | 180.00                  | 105.76             | 46.97              | 93.95                 | 75.91         | 168.00        | 1.82 | MWD         | SF(Lo) |
| 15700.00                                                                                                           | 10178.00       | 16165.67          | 180.00                  | 107.55             | 47.67              | 95.33                 | 74.52         | 168.00        | 1.80 | MWD         | SF(Lo) |
| 15800.00                                                                                                           | 10178.00       | 16265.67          | 180.00                  | 109.33             | 48.36              | 96.72                 | 73.13         | 168.00        | 1.77 | MWD         | SF(Lo) |
| 15900.00                                                                                                           | 10178.00       | 16365.67          | 180.00                  | 111.12             | 49.06              | 98.11                 | 71.73         | 168.00        | 1.75 | MWD         | SF(Lo) |
| 16000.00                                                                                                           | 10178.00       | 16465.67          | 180.00                  | 112.91             | 49.75              | 99.51                 | 70.33         | 168.00        | 1.72 | MWD         | SF(Lo) |
| 16100.00                                                                                                           | 10178.00       | 16565.67          | 180.00                  | 114.70             | 50.45              | 100.90                | 68.93         | 168.00        | 1.70 | MWD         | SF(Lo) |
| 16200.00                                                                                                           | 10178.00       | 16665.67          | 180.00                  | 116.49             | 51.15              | 102.30                | 67.53         | 168.00        | 1.67 | MWD         | SF(Lo) |
| 16300.00                                                                                                           | 10178.00       | 16765.67          | 180.00                  | 118.29             | 51.85              | 103.70                | 66.12         | 168.00        | 1.65 | MWD         | SF(Lo) |
| 16400.00                                                                                                           | 10178.00       | 16865.67          | 180.00                  | 120.08             | 52.55              | 105.10                | 64.72         | 168.00        | 1.63 | MWD         | SF(Lo) |
| 16500.00                                                                                                           | 10178.00       | 16965.67          | 180.00                  | 121.88             | 53.25              | 106.50                | 63.31         | 168.00        | 1.60 | MWD         | SF(Lo) |
| 16600.00                                                                                                           | 10178.00       | 17065.67          | 180.00                  | 123.67             | 53.95              | 107.91                | 61.91         | 168.00        | 1.58 | MWD         | SF(Lo) |
| 16700.00                                                                                                           | 10178.00       | 17165.67          | 180.00                  | 125.47             | 54.66              | 109.32                | 60.50         | 168.00        | 1.56 | MWD         | SF(Lo) |
| 16800.00                                                                                                           | 10178.00       | 17265.67          | 180.00                  | 127.27             | 55.36              | 110.72                | 59.08         | 168.00        | 1.54 | MWD         | SF(Lo) |
| 16900.00                                                                                                           | 10178.00       | 17365.67          | 180.00                  | 129.07             | 56.07              | 112.13                | 57.67         | 168.00        | 1.52 | MWD         | SF(Lo) |
| 17000.00                                                                                                           | 10178.00       | 17465.67          | 180.00                  | 130.87             | 56.77              | 113.54                | 56.26         | 168.00        | 1.50 | MWD         | SF(Lo) |



## 5D Anti-Collision Report

| Secondary Well: Fighting Okra 18-19 Fed 41H (p)(TVD relative to Kelly Bushing)(All Azimuth Relative to GRID NORTH) |                |                   |                         |                    |                    |                       |               |               |      |             |         |
|--------------------------------------------------------------------------------------------------------------------|----------------|-------------------|-------------------------|--------------------|--------------------|-----------------------|---------------|---------------|------|-------------|---------|
| Pri MD<br>(US ft)                                                                                                  | TVD<br>(US ft) | Sec MD<br>(US ft) | T.Face to<br>Sec<br>(°) | S.Major<br>(US ft) | S.Minor<br>(US ft) | TVD Spread<br>(US ft) | ES<br>(US ft) | CC<br>(US ft) | SF   | Survey Tool | Risk    |
| 17100.00                                                                                                           | 10178.00       | 17565.67          | 180.00                  | 132.67             | 57.48              | 114.96                | 54.84         | 168.00        | 1.48 | MWD         | SF(Med) |
| 17200.00                                                                                                           | 10178.00       | 17665.67          | 180.00                  | 134.47             | 58.19              | 116.37                | 53.43         | 168.00        | 1.47 | MWD         | SF(Med) |
| 17300.00                                                                                                           | 10178.00       | 17765.67          | 180.00                  | 136.27             | 58.89              | 117.79                | 52.01         | 168.00        | 1.45 | MWD         | SF(Med) |
| 17400.00                                                                                                           | 10178.00       | 17865.67          | 180.00                  | 138.07             | 59.60              | 119.20                | 50.59         | 168.00        | 1.43 | MWD         | SF(Med) |
| 17500.00                                                                                                           | 10178.00       | 17965.67          | 180.00                  | 139.87             | 60.31              | 120.62                | 49.17         | 168.00        | 1.41 | MWD         | SF(Med) |
| 17600.00                                                                                                           | 10178.00       | 18065.67          | 180.00                  | 141.68             | 61.02              | 122.04                | 47.75         | 168.00        | 1.40 | MWD         | SF(Med) |
| 17700.00                                                                                                           | 10178.00       | 18165.67          | 180.00                  | 143.48             | 61.73              | 123.46                | 46.33         | 168.00        | 1.38 | MWD         | SF(Med) |
| 17800.00                                                                                                           | 10178.00       | 18265.67          | 180.00                  | 145.29             | 62.44              | 124.88                | 44.91         | 168.00        | 1.36 | MWD         | SF(Med) |
| 17900.00                                                                                                           | 10178.00       | 18365.67          | 180.00                  | 147.09             | 63.15              | 126.30                | 43.49         | 168.00        | 1.35 | MWD         | SF(Med) |
| 17996.84                                                                                                           | 10178.00       | 18462.51          | 180.00                  | 148.84             | 63.84              | 127.68                | 42.11         | 168.00        | 1.33 | MWD         | SF(Med) |

**5D Plan Report**

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**Devon Energy**

**Field Name:** *Lea Co, NM Nad 83 NMEZ*  
**Site Name:** *Fighting Okra 18-19 Fed 21H,31H,41H Pad*  
**Well Name:** *Fighting Okra 18-19 Fed 31H*  
**Plan:** *P1:V4*

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26 September 2017





## Fighting Okra 18-19 Fed 31H

|                                                               |                                                                |                              |                             |                                     |
|---------------------------------------------------------------|----------------------------------------------------------------|------------------------------|-----------------------------|-------------------------------------|
| Field Name:<br><br>Lea Co, NM Nad<br>83 NMEZ                  | Map Units: US ft                                               |                              | Company Name: Devon Energy  |                                     |
|                                                               | Vertical Reference Datum (VRD): Mean Sea Level                 |                              |                             |                                     |
|                                                               | Projected Coordinate System: NAD83 / New Mexico East (ftUS)    |                              |                             |                                     |
|                                                               | Comment:                                                       |                              |                             |                                     |
| Site:<br><br>Fighting Okra<br>18-19 Fed<br>21H,31H,41H<br>Pad | Units: US ft                                                   | North Reference: Grid        | Convergence Angle: 0.43     |                                     |
|                                                               | Position:                                                      | Northing: 380827.97 US ft    | Latitude: 32° 2' 39.64"     |                                     |
|                                                               |                                                                | Easting: 794436.89 US ft     | Longitude: -103° 30' 59.30" |                                     |
|                                                               | Elevation above MSL:3358.00 US ft                              |                              |                             |                                     |
|                                                               | Comment:                                                       |                              |                             |                                     |
| Slot:<br><br>Fighting Okra<br>18-19 Fed 31H                   | Position (Relative to Site Centre)                             |                              |                             |                                     |
|                                                               | +N/-S: 0.00 US ft                                              | Northing: 380827.97 US ft    | Latitude: 32°2'39.64"       |                                     |
|                                                               | +E/-W: 0.00 US ft                                              | Easting: 794436.89 US ft     | Longitude: -103°30'59.30"   |                                     |
|                                                               | Slot TVD Reference: Ground Elevation                           |                              |                             |                                     |
|                                                               | Elevation above MSL: 3358.00 US ft                             |                              |                             |                                     |
| Comment:                                                      |                                                                |                              |                             |                                     |
| Well:<br><br>Fighting Okra<br>18-19 Fed 31H                   | Type:Main well                                                 |                              | UWI:                        | Plan:P1:V4                          |
|                                                               | File Number:                                                   | Comment:                     |                             |                                     |
|                                                               | Closure Distance:7924.91US ft                                  |                              | Closure Azimuth:179.58°     |                                     |
|                                                               | Vertical Section: Position of Origin (Relative to Slot centre) |                              |                             |                                     |
|                                                               | +N/-S: 0.00 US ft                                              |                              | +E/-W: 0.00 US ft           | Az: 179.58°                         |
|                                                               | Magnetic Parameters:                                           |                              |                             |                                     |
|                                                               | Model: BGGM                                                    | Field Strength:<br>48041.7nT | Declination: 7.20°          | Dip: 59.91°<br>Date:<br>15/Oct/2015 |

|                                                                     |                           |                       |
|---------------------------------------------------------------------|---------------------------|-----------------------|
| <b>Drill floor: Plan: P1:V4</b>                                     |                           |                       |
| <b>Rig Height (Kelly Bushing):</b> Elevation above MSL: 27.00 US ft | <b>Inclination:</b> 0.00° | <b>Azimuth:</b> 0.00° |
|                                                                     |                           |                       |

| Target set: Fighting Okra 18-19 Fed 31H Comment: |        |             |                  |                  |                 |                |         |
|--------------------------------------------------|--------|-------------|------------------|------------------|-----------------|----------------|---------|
| Target Name:                                     | Shape: | TVD (US ft) | N.Offset (US ft) | E.Offset (US ft) | Northing (USft) | Easting (USft) | Comment |
| VP                                               | Cuboid | 9434.04     | 299.99           | -2.20            | 381127.96       | 794434.69      |         |
| PBHL 31H                                         | Cuboid | 10007.00    | -7924.70         | 58.13            | 372903.27       | 794495.02      |         |

Wellpath created using minimum curvature.



## SD Plan Report

**Tie Point:**  
**MD:** 0.00USFt      **Inclination:** 0.00°      **Azimuth:** 0.00°      **TVD:** 0.00USFt      **North Offset:** 0.00USFt      **East Offset:** 0.00USFt

**Salient Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)**

| MD<br>(US ft) | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | VS<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) | DLS<br>(°/100US ft) | Comment                 |
|---------------|------------|-----------|----------------|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|-------------------------|
| 0.00          | 0.00       | 0.00      | 0.00           | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                         |
| 3500.00       | 0.00       | 0.00      | 3500.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                | Nudge- @ 1°<br>DLS      |
| 3804.91       | 3.05       | 359.58    | 3804.76        | -8.11         | 8.11                | -0.06               | 380836.08           | 794436.83          | 1.00                | Hold                    |
| 9139.97       | 3.05       | 359.58    | 9132.28        | -291.89       | 291.88              | -2.14               | 381119.85           | 794434.75          | 0.00                | Drop- @ 1°<br>DLS       |
| 9444.88       | 0.00       | 0.00      | 9437.04        | -300.00       | 299.99              | -2.20               | 381127.96           | 794434.69          | 1.00                | KOP- Build @<br>10° DLS |
| 10344.88      | 90.00      | 179.58    | 10010.00       | 272.96        | -272.95             | 2.00                | 380555.02           | 794438.89          | 10.00               | Landing Pt              |
| 17996.84      | 90.00      | 179.58    | 10010.00       | 7924.91       | -7924.70            | 58.13               | 372903.27           | 794495.02          | 0.00                | PBHL 31H                |

**Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing)**

| MD<br>(US ft) | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | VS<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) | DLS<br>(°/100US ft) | Comment            |
|---------------|------------|-----------|----------------|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|--------------------|
| 0.00          | 0.00       | 0.00      | 0.00           | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 100.00        | 0.00       | 0.00      | 100.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 200.00        | 0.00       | 0.00      | 200.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 300.00        | 0.00       | 0.00      | 300.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 400.00        | 0.00       | 0.00      | 400.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 500.00        | 0.00       | 0.00      | 500.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 600.00        | 0.00       | 0.00      | 600.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 700.00        | 0.00       | 0.00      | 700.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 800.00        | 0.00       | 0.00      | 800.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 900.00        | 0.00       | 0.00      | 900.00         | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1000.00       | 0.00       | 0.00      | 1000.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1100.00       | 0.00       | 0.00      | 1100.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1200.00       | 0.00       | 0.00      | 1200.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1300.00       | 0.00       | 0.00      | 1300.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1400.00       | 0.00       | 0.00      | 1400.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1500.00       | 0.00       | 0.00      | 1500.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1600.00       | 0.00       | 0.00      | 1600.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1700.00       | 0.00       | 0.00      | 1700.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1800.00       | 0.00       | 0.00      | 1800.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 1900.00       | 0.00       | 0.00      | 1900.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2000.00       | 0.00       | 0.00      | 2000.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2100.00       | 0.00       | 0.00      | 2100.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2200.00       | 0.00       | 0.00      | 2200.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2300.00       | 0.00       | 0.00      | 2300.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2400.00       | 0.00       | 0.00      | 2400.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2500.00       | 0.00       | 0.00      | 2500.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2600.00       | 0.00       | 0.00      | 2600.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2700.00       | 0.00       | 0.00      | 2700.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2800.00       | 0.00       | 0.00      | 2800.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 2900.00       | 0.00       | 0.00      | 2900.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3000.00       | 0.00       | 0.00      | 3000.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3100.00       | 0.00       | 0.00      | 3100.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3200.00       | 0.00       | 0.00      | 3200.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3300.00       | 0.00       | 0.00      | 3300.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3400.00       | 0.00       | 0.00      | 3400.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                |                    |
| 3500.00       | 0.00       | 0.00      | 3500.00        | -0.00         | 0.00                | 0.00                | 380827.97           | 794436.89          | 0.00                | Nudge- @ 1°<br>DLS |
| 3600.00       | 1.00       | 359.58    | 3599.99        | -0.87         | 0.87                | -0.01               | 380828.84           | 794436.88          | 1.00                |                    |
| 3700.00       | 2.00       | 359.58    | 3699.96        | -3.49         | 3.49                | -0.03               | 380831.46           | 794436.86          | 1.00                |                    |
| 3800.00       | 3.00       | 359.58    | 3799.86        | -7.85         | 7.85                | -0.06               | 380835.82           | 794436.83          | 1.00                |                    |
| 3804.91       | 3.05       | 359.58    | 3804.76        | -8.11         | 8.11                | -0.06               | 380836.08           | 794436.83          | 1.00                | Hold               |
| 3900.00       | 3.05       | 359.58    | 3899.72        | -13.17        | 13.17               | -0.10               | 380841.14           | 794436.79          | 0.00                |                    |
| 4000.00       | 3.05       | 359.58    | 3999.58        | -18.49        | 18.49               | -0.14               | 380846.46           | 794436.75          | 0.00                |                    |

## 5D Plan Report

| Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing) |            |           |                |               |                     |                     |                     |                    |                     | Comment                 |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|-------------------------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | VS<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) | DLS<br>(°/100US ft) |                         |
| 4100.00                                                                       | 3.05       | 359.58    | 4099.44        | -23.81        | 23.81               | -0.17               | 380851.78           | 794436.72          | 0.00                |                         |
| 4200.00                                                                       | 3.05       | 359.58    | 4199.30        | -29.13        | 29.13               | -0.21               | 380857.10           | 794436.68          | 0.00                |                         |
| 4300.00                                                                       | 3.05       | 359.58    | 4299.16        | -34.45        | 34.44               | -0.25               | 380862.41           | 794436.64          | 0.00                |                         |
| 4400.00                                                                       | 3.05       | 359.58    | 4399.01        | -39.76        | 39.76               | -0.29               | 380867.73           | 794436.60          | 0.00                |                         |
| 4500.00                                                                       | 3.05       | 359.58    | 4498.87        | -45.08        | 45.08               | -0.33               | 380873.05           | 794436.56          | 0.00                |                         |
| 4600.00                                                                       | 3.05       | 359.58    | 4598.73        | -50.40        | 50.40               | -0.37               | 380878.37           | 794436.52          | 0.00                |                         |
| 4700.00                                                                       | 3.05       | 359.58    | 4698.59        | -55.72        | 55.72               | -0.41               | 380883.69           | 794436.48          | 0.00                |                         |
| 4800.00                                                                       | 3.05       | 359.58    | 4798.45        | -61.04        | 61.04               | -0.45               | 380889.01           | 794436.44          | 0.00                |                         |
| 4900.00                                                                       | 3.05       | 359.58    | 4898.31        | -66.36        | 66.36               | -0.49               | 380894.33           | 794436.40          | 0.00                |                         |
| 5000.00                                                                       | 3.05       | 359.58    | 4998.16        | -71.68        | 71.68               | -0.53               | 380899.65           | 794436.36          | 0.00                |                         |
| 5100.00                                                                       | 3.05       | 359.58    | 5098.02        | -77.00        | 77.00               | -0.56               | 380904.97           | 794436.33          | 0.00                |                         |
| 5200.00                                                                       | 3.05       | 359.58    | 5197.88        | -82.32        | 82.32               | -0.60               | 380910.29           | 794436.29          | 0.00                |                         |
| 5300.00                                                                       | 3.05       | 359.58    | 5297.74        | -87.64        | 87.63               | -0.64               | 380915.60           | 794436.25          | 0.00                |                         |
| 5400.00                                                                       | 3.05       | 359.58    | 5397.60        | -92.96        | 92.95               | -0.68               | 380920.92           | 794436.21          | 0.00                |                         |
| 5500.00                                                                       | 3.05       | 359.58    | 5497.46        | -98.27        | 98.27               | -0.72               | 380926.24           | 794436.17          | 0.00                |                         |
| 5600.00                                                                       | 3.05       | 359.58    | 5597.31        | -103.59       | 103.59              | -0.76               | 380931.56           | 794436.13          | 0.00                |                         |
| 5700.00                                                                       | 3.05       | 359.58    | 5697.17        | -108.91       | 108.91              | -0.80               | 380936.88           | 794436.09          | 0.00                |                         |
| 5800.00                                                                       | 3.05       | 359.58    | 5797.03        | -114.23       | 114.23              | -0.84               | 380942.20           | 794436.05          | 0.00                |                         |
| 5900.00                                                                       | 3.05       | 359.58    | 5896.89        | -119.55       | 119.55              | -0.88               | 380947.52           | 794436.01          | 0.00                |                         |
| 6000.00                                                                       | 3.05       | 359.58    | 5996.75        | -124.87       | 124.87              | -0.92               | 380952.84           | 794435.97          | 0.00                |                         |
| 6100.00                                                                       | 3.05       | 359.58    | 6096.61        | -130.19       | 130.19              | -0.95               | 380958.16           | 794435.94          | 0.00                |                         |
| 6200.00                                                                       | 3.05       | 359.58    | 6196.47        | -135.51       | 135.50              | -0.99               | 380963.47           | 794435.90          | 0.00                |                         |
| 6300.00                                                                       | 3.05       | 359.58    | 6296.32        | -140.83       | 140.82              | -1.03               | 380968.79           | 794435.86          | 0.00                |                         |
| 6400.00                                                                       | 3.05       | 359.58    | 6396.18        | -146.15       | 146.14              | -1.07               | 380974.11           | 794435.82          | 0.00                |                         |
| 6500.00                                                                       | 3.05       | 359.58    | 6496.04        | -151.47       | 151.46              | -1.11               | 380979.43           | 794435.78          | 0.00                |                         |
| 6600.00                                                                       | 3.05       | 359.58    | 6595.90        | -156.79       | 156.78              | -1.15               | 380984.75           | 794435.74          | 0.00                |                         |
| 6700.00                                                                       | 3.05       | 359.58    | 6695.76        | -162.10       | 162.10              | -1.19               | 380990.07           | 794435.70          | 0.00                |                         |
| 6800.00                                                                       | 3.05       | 359.58    | 6795.62        | -167.42       | 167.42              | -1.23               | 380995.39           | 794435.66          | 0.00                |                         |
| 6900.00                                                                       | 3.05       | 359.58    | 6895.47        | -172.74       | 172.74              | -1.27               | 381000.71           | 794435.62          | 0.00                |                         |
| 7000.00                                                                       | 3.05       | 359.58    | 6995.33        | -178.06       | 178.06              | -1.31               | 381006.03           | 794435.58          | 0.00                |                         |
| 7100.00                                                                       | 3.05       | 359.58    | 7095.19        | -183.38       | 183.38              | -1.34               | 381011.35           | 794435.55          | 0.00                |                         |
| 7200.00                                                                       | 3.05       | 359.58    | 7195.05        | -188.70       | 188.69              | -1.38               | 381016.66           | 794435.51          | 0.00                |                         |
| 7300.00                                                                       | 3.05       | 359.58    | 7294.91        | -194.02       | 194.01              | -1.42               | 381021.98           | 794435.47          | 0.00                |                         |
| 7400.00                                                                       | 3.05       | 359.58    | 7394.77        | -199.34       | 199.33              | -1.46               | 381027.30           | 794435.43          | 0.00                |                         |
| 7500.00                                                                       | 3.05       | 359.58    | 7494.63        | -204.66       | 204.65              | -1.50               | 381032.62           | 794435.39          | 0.00                |                         |
| 7600.00                                                                       | 3.05       | 359.58    | 7594.48        | -209.98       | 209.97              | -1.54               | 381037.94           | 794435.35          | 0.00                |                         |
| 7700.00                                                                       | 3.05       | 359.58    | 7694.34        | -215.30       | 215.29              | -1.58               | 381043.26           | 794435.31          | 0.00                |                         |
| 7800.00                                                                       | 3.05       | 359.58    | 7794.20        | -220.61       | 220.61              | -1.62               | 381048.58           | 794435.27          | 0.00                |                         |
| 7900.00                                                                       | 3.05       | 359.58    | 7894.06        | -225.93       | 225.93              | -1.66               | 381053.90           | 794435.23          | 0.00                |                         |
| 8000.00                                                                       | 3.05       | 359.58    | 7993.92        | -231.25       | 231.25              | -1.70               | 381059.22           | 794435.19          | 0.00                |                         |
| 8100.00                                                                       | 3.05       | 359.58    | 8093.78        | -236.57       | 236.57              | -1.73               | 381064.54           | 794435.16          | 0.00                |                         |
| 8200.00                                                                       | 3.05       | 359.58    | 8193.63        | -241.89       | 241.88              | -1.77               | 381069.85           | 794435.12          | 0.00                |                         |
| 8300.00                                                                       | 3.05       | 359.58    | 8293.49        | -247.21       | 247.20              | -1.81               | 381075.17           | 794435.08          | 0.00                |                         |
| 8400.00                                                                       | 3.05       | 359.58    | 8393.35        | -252.53       | 252.52              | -1.85               | 381080.49           | 794435.04          | 0.00                |                         |
| 8500.00                                                                       | 3.05       | 359.58    | 8493.21        | -257.85       | 257.84              | -1.89               | 381085.81           | 794435.00          | 0.00                |                         |
| 8600.00                                                                       | 3.05       | 359.58    | 8593.07        | -263.17       | 263.16              | -1.93               | 381091.13           | 794434.96          | 0.00                |                         |
| 8700.00                                                                       | 3.05       | 359.58    | 8692.93        | -268.49       | 268.48              | -1.97               | 381096.45           | 794434.92          | 0.00                |                         |
| 8800.00                                                                       | 3.05       | 359.58    | 8792.78        | -273.81       | 273.80              | -2.01               | 381101.77           | 794434.88          | 0.00                |                         |
| 8900.00                                                                       | 3.05       | 359.58    | 8892.64        | -279.12       | 279.12              | -2.05               | 381107.09           | 794434.84          | 0.00                |                         |
| 9000.00                                                                       | 3.05       | 359.58    | 8992.50        | -284.44       | 284.44              | -2.09               | 381112.41           | 794434.80          | 0.00                |                         |
| 9100.00                                                                       | 3.05       | 359.58    | 9092.36        | -289.76       | 289.75              | -2.12               | 381117.72           | 794434.77          | 0.00                |                         |
| 9139.97                                                                       | 3.05       | 359.58    | 9132.28        | -291.89       | 291.88              | -2.14               | 381119.85           | 794434.75          | 0.00                | Drop- @ 1°<br>DLS       |
| 9200.00                                                                       | 2.45       | 359.58    | 9192.23        | -294.77       | 294.76              | -2.16               | 381122.73           | 794434.73          | 1.00                |                         |
| 9300.00                                                                       | 1.45       | 359.58    | 9292.18        | -298.17       | 298.16              | -2.19               | 381126.13           | 794434.70          | 1.00                |                         |
| 9400.00                                                                       | 0.45       | 359.58    | 9392.16        | -299.82       | 299.82              | -2.20               | 381127.79           | 794434.69          | 1.00                |                         |
| 9444.88                                                                       | 0.00       | 0.00      | 9437.04        | -300.00       | 299.99              | -2.20               | 381127.96           | 794434.69          | 1.00                | KOP- Build @<br>10° DLS |
| 9500.00                                                                       | 5.51       | 179.58    | 9492.07        | -297.35       | 297.34              | -2.18               | 381125.31           | 794434.71          | 10.00               |                         |



## 5D Plan Report

| Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing) |            |           |                |               |                     |                     |                     |                    |                     |            |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|------------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | VS<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) | DLS<br>(°/100US ft) | Comment    |
| 9600.00                                                                       | 15.51      | 179.58    | 9590.27        | -279.13       | 279.12              | -2.05               | 381107.09           | 794434.84          | 10.00               |            |
| 9700.00                                                                       | 25.51      | 179.58    | 9683.81        | -244.13       | 244.13              | -1.79               | 381072.10           | 794435.10          | 10.00               |            |
| 9800.00                                                                       | 35.51      | 179.58    | 9769.86        | -193.43       | 193.42              | -1.42               | 381021.39           | 794435.47          | 10.00               |            |
| 9900.00                                                                       | 45.51      | 179.58    | 9845.79        | -128.55       | 128.54              | -0.94               | 380956.51           | 794435.95          | 10.00               |            |
| 10000.00                                                                      | 55.51      | 179.58    | 9909.30        | -51.47        | 51.47               | -0.38               | 380879.44           | 794436.51          | 10.00               |            |
| 10100.00                                                                      | 65.51      | 179.58    | 9958.46        | 35.46         | -35.46              | 0.26                | 380792.51           | 794437.15          | 10.00               |            |
| 10200.00                                                                      | 75.51      | 179.58    | 9991.78        | 129.62        | -129.61             | 0.95                | 380698.36           | 794437.84          | 10.00               |            |
| 10300.00                                                                      | 85.51      | 179.58    | 10008.24       | 228.12        | -228.12             | 1.67                | 380599.85           | 794438.56          | 10.00               |            |
| 10344.88                                                                      | 90.00      | 179.58    | 10010.00       | 272.96        | -272.95             | 2.00                | 380555.02           | 794438.89          | 10.00               | Landing Pt |
| 10400.00                                                                      | 90.00      | 179.58    | 10010.00       | 328.08        | -328.07             | 2.41                | 380499.90           | 794439.30          | 0.00                |            |
| 10500.00                                                                      | 90.00      | 179.58    | 10010.00       | 428.08        | -428.07             | 3.14                | 380399.90           | 794440.03          | 0.00                |            |
| 10600.00                                                                      | 90.00      | 179.58    | 10010.00       | 528.08        | -528.06             | 3.87                | 380299.91           | 794440.76          | 0.00                |            |
| 10700.00                                                                      | 90.00      | 179.58    | 10010.00       | 628.08        | -628.06             | 4.61                | 380199.91           | 794441.50          | 0.00                |            |
| 10800.00                                                                      | 90.00      | 179.58    | 10010.00       | 728.08        | -728.06             | 5.34                | 380099.91           | 794442.23          | 0.00                |            |
| 10900.00                                                                      | 90.00      | 179.58    | 10010.00       | 828.08        | -828.06             | 6.08                | 379999.91           | 794442.97          | 0.00                |            |
| 11000.00                                                                      | 90.00      | 179.58    | 10010.00       | 928.08        | -928.05             | 6.81                | 379899.92           | 794443.70          | 0.00                |            |
| 11100.00                                                                      | 90.00      | 179.58    | 10010.00       | 1028.08       | -1028.05            | 7.54                | 379799.92           | 794444.43          | 0.00                |            |
| 11200.00                                                                      | 90.00      | 179.58    | 10010.00       | 1128.08       | -1128.05            | 8.28                | 379699.92           | 794445.17          | 0.00                |            |
| 11300.00                                                                      | 90.00      | 179.58    | 10010.00       | 1228.08       | -1228.04            | 9.01                | 379599.93           | 794445.90          | 0.00                |            |
| 11400.00                                                                      | 90.00      | 179.58    | 10010.00       | 1328.08       | -1328.04            | 9.74                | 379499.93           | 794446.63          | 0.00                |            |
| 11500.00                                                                      | 90.00      | 179.58    | 10010.00       | 1428.08       | -1428.04            | 10.48               | 379399.93           | 794447.37          | 0.00                |            |
| 11600.00                                                                      | 90.00      | 179.58    | 10010.00       | 1528.08       | -1528.04            | 11.21               | 379299.93           | 794448.10          | 0.00                |            |
| 11700.00                                                                      | 90.00      | 179.58    | 10010.00       | 1628.08       | -1628.03            | 11.94               | 379199.94           | 794448.83          | 0.00                |            |
| 11800.00                                                                      | 90.00      | 179.58    | 10010.00       | 1728.08       | -1728.03            | 12.68               | 379099.94           | 794449.57          | 0.00                |            |
| 11900.00                                                                      | 90.00      | 179.58    | 10010.00       | 1828.08       | -1828.03            | 13.41               | 378999.94           | 794450.30          | 0.00                |            |
| 12000.00                                                                      | 90.00      | 179.58    | 10010.00       | 1928.08       | -1928.03            | 14.14               | 378899.94           | 794451.03          | 0.00                |            |
| 12100.00                                                                      | 90.00      | 179.58    | 10010.00       | 2028.08       | -2028.02            | 14.88               | 378799.95           | 794451.77          | 0.00                |            |
| 12200.00                                                                      | 90.00      | 179.58    | 10010.00       | 2128.08       | -2128.02            | 15.61               | 378699.95           | 794452.50          | 0.00                |            |
| 12300.00                                                                      | 90.00      | 179.58    | 10010.00       | 2228.08       | -2228.02            | 16.34               | 378599.95           | 794453.23          | 0.00                |            |
| 12400.00                                                                      | 90.00      | 179.58    | 10010.00       | 2328.08       | -2328.01            | 17.08               | 378499.96           | 794453.97          | 0.00                |            |
| 12500.00                                                                      | 90.00      | 179.58    | 10010.00       | 2428.08       | -2428.01            | 17.81               | 378399.96           | 794454.70          | 0.00                |            |
| 12600.00                                                                      | 90.00      | 179.58    | 10010.00       | 2528.08       | -2528.01            | 18.54               | 378299.96           | 794455.43          | 0.00                |            |
| 12700.00                                                                      | 90.00      | 179.58    | 10010.00       | 2628.08       | -2628.01            | 19.28               | 378199.96           | 794456.17          | 0.00                |            |
| 12800.00                                                                      | 90.00      | 179.58    | 10010.00       | 2728.08       | -2728.00            | 20.01               | 378099.97           | 794456.90          | 0.00                |            |
| 12900.00                                                                      | 90.00      | 179.58    | 10010.00       | 2828.08       | -2828.00            | 20.75               | 377999.97           | 794457.64          | 0.00                |            |
| 13000.00                                                                      | 90.00      | 179.58    | 10010.00       | 2928.08       | -2928.00            | 21.48               | 377899.97           | 794458.37          | 0.00                |            |
| 13100.00                                                                      | 90.00      | 179.58    | 10010.00       | 3028.08       | -3028.00            | 22.21               | 377799.97           | 794459.10          | 0.00                |            |
| 13200.00                                                                      | 90.00      | 179.58    | 10010.00       | 3128.08       | -3127.99            | 22.95               | 377699.98           | 794459.84          | 0.00                |            |
| 13300.00                                                                      | 90.00      | 179.58    | 10010.00       | 3228.08       | -3227.99            | 23.68               | 377599.98           | 794460.57          | 0.00                |            |
| 13400.00                                                                      | 90.00      | 179.58    | 10010.00       | 3328.08       | -3327.99            | 24.41               | 377499.98           | 794461.30          | 0.00                |            |
| 13500.00                                                                      | 90.00      | 179.58    | 10010.00       | 3428.08       | -3427.99            | 25.15               | 377399.98           | 794462.04          | 0.00                |            |
| 13600.00                                                                      | 90.00      | 179.58    | 10010.00       | 3528.08       | -3527.98            | 25.88               | 377299.99           | 794462.77          | 0.00                |            |
| 13700.00                                                                      | 90.00      | 179.58    | 10010.00       | 3628.08       | -3627.98            | 26.61               | 377199.99           | 794463.50          | 0.00                |            |
| 13800.00                                                                      | 90.00      | 179.58    | 10010.00       | 3728.08       | -3727.98            | 27.35               | 377099.99           | 794464.24          | 0.00                |            |
| 13900.00                                                                      | 90.00      | 179.58    | 10010.00       | 3828.08       | -3827.97            | 28.08               | 377000.00           | 794464.97          | 0.00                |            |
| 14000.00                                                                      | 90.00      | 179.58    | 10010.00       | 3928.08       | -3927.97            | 28.81               | 376900.00           | 794465.70          | 0.00                |            |
| 14100.00                                                                      | 90.00      | 179.58    | 10010.00       | 4028.08       | -4027.97            | 29.55               | 376800.00           | 794466.44          | 0.00                |            |
| 14200.00                                                                      | 90.00      | 179.58    | 10010.00       | 4128.08       | -4127.97            | 30.28               | 376700.00           | 794467.17          | 0.00                |            |
| 14300.00                                                                      | 90.00      | 179.58    | 10010.00       | 4228.08       | -4227.96            | 31.01               | 376600.01           | 794467.90          | 0.00                |            |
| 14400.00                                                                      | 90.00      | 179.58    | 10010.00       | 4328.08       | -4327.96            | 31.75               | 376500.01           | 794468.64          | 0.00                |            |
| 14500.00                                                                      | 90.00      | 179.58    | 10010.00       | 4428.08       | -4427.96            | 32.48               | 376400.01           | 794469.37          | 0.00                |            |
| 14600.00                                                                      | 90.00      | 179.58    | 10010.00       | 4528.08       | -4527.96            | 33.21               | 376300.01           | 794470.10          | 0.00                |            |
| 14700.00                                                                      | 90.00      | 179.58    | 10010.00       | 4628.08       | -4627.95            | 33.95               | 376200.02           | 794470.84          | 0.00                |            |
| 14800.00                                                                      | 90.00      | 179.58    | 10010.00       | 4728.08       | -4727.95            | 34.68               | 376100.02           | 794471.57          | 0.00                |            |
| 14900.00                                                                      | 90.00      | 179.58    | 10010.00       | 4828.08       | -4827.95            | 35.41               | 376000.02           | 794472.30          | 0.00                |            |
| 15000.00                                                                      | 90.00      | 179.58    | 10010.00       | 4928.08       | -4927.94            | 36.15               | 375900.03           | 794473.04          | 0.00                |            |
| 15100.00                                                                      | 90.00      | 179.58    | 10010.00       | 5028.08       | -5027.94            | 36.88               | 375800.03           | 794473.77          | 0.00                |            |
| 15200.00                                                                      | 90.00      | 179.58    | 10010.00       | 5128.08       | -5127.94            | 37.62               | 375700.03           | 794474.51          | 0.00                |            |
| 15300.00                                                                      | 90.00      | 179.58    | 10010.00       | 5228.08       | -5227.94            | 38.35               | 375600.03           | 794475.24          | 0.00                |            |



## 5D Plan Report

| Interpolated Points: (Relative to Slot centre)(TVD relative to Kelly Bushing) |            |           |                |               |                     |                     |                     |                    |                     |          |
|-------------------------------------------------------------------------------|------------|-----------|----------------|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|----------|
| MD<br>(US ft)                                                                 | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | VS<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) | DLS<br>(°/100US ft) | Comment  |
| 15400.00                                                                      | 90.00      | 179.58    | 10010.00       | 5328.08       | -5327.93            | 39.08               | 375500.04           | 794475.97          | 0.00                |          |
| 15500.00                                                                      | 90.00      | 179.58    | 10010.00       | 5428.08       | -5427.93            | 39.82               | 375400.04           | 794476.71          | 0.00                |          |
| 15600.00                                                                      | 90.00      | 179.58    | 10010.00       | 5528.08       | -5527.93            | 40.55               | 375300.04           | 794477.44          | 0.00                |          |
| 15700.00                                                                      | 90.00      | 179.58    | 10010.00       | 5628.08       | -5627.93            | 41.28               | 375200.04           | 794478.17          | 0.00                |          |
| 15800.00                                                                      | 90.00      | 179.58    | 10010.00       | 5728.08       | -5727.92            | 42.02               | 375100.05           | 794478.91          | 0.00                |          |
| 15900.00                                                                      | 90.00      | 179.58    | 10010.00       | 5828.08       | -5827.92            | 42.75               | 375000.05           | 794479.64          | 0.00                |          |
| 16000.00                                                                      | 90.00      | 179.58    | 10010.00       | 5928.08       | -5927.92            | 43.48               | 374900.05           | 794480.37          | 0.00                |          |
| 16100.00                                                                      | 90.00      | 179.58    | 10010.00       | 6028.08       | -6027.92            | 44.22               | 374800.05           | 794481.11          | 0.00                |          |
| 16200.00                                                                      | 90.00      | 179.58    | 10010.00       | 6128.08       | -6127.91            | 44.95               | 374700.06           | 794481.84          | 0.00                |          |
| 16300.00                                                                      | 90.00      | 179.58    | 10010.00       | 6228.08       | -6227.91            | 45.68               | 374600.06           | 794482.57          | 0.00                |          |
| 16400.00                                                                      | 90.00      | 179.58    | 10010.00       | 6328.08       | -6327.91            | 46.42               | 374500.06           | 794483.31          | 0.00                |          |
| 16500.00                                                                      | 90.00      | 179.58    | 10010.00       | 6428.08       | -6427.90            | 47.15               | 374400.07           | 794484.04          | 0.00                |          |
| 16600.00                                                                      | 90.00      | 179.58    | 10010.00       | 6528.08       | -6527.90            | 47.88               | 374300.07           | 794484.77          | 0.00                |          |
| 16700.00                                                                      | 90.00      | 179.58    | 10010.00       | 6628.08       | -6627.90            | 48.62               | 374200.07           | 794485.51          | 0.00                |          |
| 16800.00                                                                      | 90.00      | 179.58    | 10010.00       | 6728.08       | -6727.90            | 49.35               | 374100.07           | 794486.24          | 0.00                |          |
| 16900.00                                                                      | 90.00      | 179.58    | 10010.00       | 6828.08       | -6827.89            | 50.08               | 374000.08           | 794486.97          | 0.00                |          |
| 17000.00                                                                      | 90.00      | 179.58    | 10010.00       | 6928.08       | -6927.89            | 50.82               | 373900.08           | 794487.71          | 0.00                |          |
| 17100.00                                                                      | 90.00      | 179.58    | 10010.00       | 7028.08       | -7027.89            | 51.55               | 373800.08           | 794488.44          | 0.00                |          |
| 17200.00                                                                      | 90.00      | 179.58    | 10010.00       | 7128.08       | -7127.89            | 52.29               | 373700.08           | 794489.18          | 0.00                |          |
| 17300.00                                                                      | 90.00      | 179.58    | 10010.00       | 7228.08       | -7227.88            | 53.02               | 373600.09           | 794489.91          | 0.00                |          |
| 17400.00                                                                      | 90.00      | 179.58    | 10010.00       | 7328.08       | -7327.88            | 53.75               | 373500.09           | 794490.64          | 0.00                |          |
| 17500.00                                                                      | 90.00      | 179.58    | 10010.00       | 7428.08       | -7427.88            | 54.49               | 373400.09           | 794491.38          | 0.00                |          |
| 17600.00                                                                      | 90.00      | 179.58    | 10010.00       | 7528.08       | -7527.87            | 55.22               | 373300.10           | 794492.11          | 0.00                |          |
| 17700.00                                                                      | 90.00      | 179.58    | 10010.00       | 7628.08       | -7627.87            | 55.95               | 373200.10           | 794492.84          | 0.00                |          |
| 17800.00                                                                      | 90.00      | 179.58    | 10010.00       | 7728.08       | -7727.87            | 56.69               | 373100.10           | 794493.58          | 0.00                |          |
| 17900.00                                                                      | 90.00      | 179.58    | 10010.00       | 7828.08       | -7827.87            | 57.42               | 373000.10           | 794494.31          | 0.00                |          |
| 17996.84                                                                      | 90.00      | 179.58    | 10010.00       | 7924.91       | -7924.70            | 58.13               | 372903.27           | 794495.02          | 0.00                | PBHL 31H |

| Formation Points: (Relative to Slot centre)(TVD relative to Kelly Bushing) |               |            |           |                |                     |                     |                     |                    |  |
|----------------------------------------------------------------------------|---------------|------------|-----------|----------------|---------------------|---------------------|---------------------|--------------------|--|
| Name                                                                       | MD<br>(US ft) | Inc<br>(°) | Az<br>(°) | TVD<br>(US ft) | N.Offset<br>(US ft) | E.Offset<br>(US ft) | Northing<br>(US ft) | Easting<br>(US ft) |  |
| 1BSSS                                                                      | N/A           | 0.00       | 0.00      | 10457.00       | 0.00                | 0.00                | 380827.97           | 794436.89          |  |
| Rustler                                                                    | 780.00        | 0.00       | 0.00      | 780.00         | 0.00                | 0.00                | 380827.97           | 794436.89          |  |
| Base of Salt                                                               | 5002.84       | 3.05       | 359.58    | 5001.00        | 71.83               | -0.53               | 380899.80           | 794436.36          |  |
| Delaware                                                                   | 5259.20       | 3.05       | 359.58    | 5257.00        | 85.46               | -0.63               | 380913.43           | 794436.26          |  |
| Lwr Brushy                                                                 | 9309.83       | 1.35       | 359.58    | 9302.00        | 298.40              | -2.19               | 381126.37           | 794434.70          |  |
| 1BSLM                                                                      | 9532.18       | 8.73       | 179.58    | 9524.00        | 293.35              | -2.15               | 381121.32           | 794434.74          |  |
| Leonard A                                                                  | 9563.69       | 11.88      | 179.58    | 9555.00        | 287.72              | -2.11               | 381115.69           | 794434.78          |  |
| Leonard B                                                                  | 10165.02      | 72.01      | 179.58    | 9982.00        | -96.03              | 0.71                | 380731.94           | 794437.60          |  |

## Devon Energy, Fighting Okra 18-19 Fed 31H

## 1. Geologic Formations

|               |         |                               |     |
|---------------|---------|-------------------------------|-----|
| TVD of target | 10,010' | Pilot hole depth              | n/a |
| MD at TD:     | 17,997' | Deepest expected fresh water: |     |

## Basin

[illegible]

\*H<sub>2</sub>S, water flows, loss of circulation, abnormal pressures, etc.

**Devon Energy, Fighting Okra 18-19 Fed 31H**

**2. Casing Program**

| Hole Size                 | Casing Interval |         | Csg. Size | Weight (lbs) | Grade  | Conn | SF Collapse | SF Burst | SF Tension         |
|---------------------------|-----------------|---------|-----------|--------------|--------|------|-------------|----------|--------------------|
|                           | From            | To      |           |              |        |      |             |          |                    |
| 17.5"                     | 0               | 930'    | 13.375"   | 48           | H-40   | STC  | 1.73        | 3.38     | 2.32               |
| 12.25"                    | 0               | 4,000'  | 9.625"    | 40           | J-55   | BTC  | 1.21        | 1.37     | 2.23               |
| 12.25"                    | 4,000'          | 5,395'  | 9.625"    | 40           | HCK-55 | BTC  | 1.33        | 2.54     | 4.28               |
| 8.75"                     | 0               | 17,997' | 5.5"      | 17           | P-110  | BTC  | 1.49        | 1.25     | 2.17               |
| BLM Minimum Safety Factor |                 |         |           |              |        |      | 1.125       | 1.00     | 1.6 Dry<br>1.8 Wet |

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

|                                                                                                                                                  | Y or N |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1                                                                     | Y      |
| Does casing meet API specifications? If no, attach casing specification sheet.                                                                   | Y      |
| Is premium or uncommon casing planned? If yes attach casing specification sheet.                                                                 | N      |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y      |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?                | Y      |
| Is well located within Capitan Reef?                                                                                                             | N      |
| If yes, does production casing cement tie back a minimum of 50' above the Reef?                                                                  |        |
| Is well within the designated 4 string boundary.                                                                                                 |        |
| Is well located in SOPA but not in R-111-P?                                                                                                      | N      |
| If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?                       |        |
| Is well located in R-111-P and SOPA?                                                                                                             | N      |
| If yes, are the first three strings cemented to surface?                                                                                         |        |
| Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?                                                                               |        |
| Is well located in high Cave/Karst?                                                                                                              | N      |
| If yes, are there two strings cemented to surface?                                                                                               |        |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?                                                           |        |
| Is well located in critical Cave/Karst?                                                                                                          | N      |
| If yes, are there three strings cemented to surface?                                                                                             |        |



# Devon Energy, Fighting Okra 18-19 Fed 31H

## 3. Cementing Program

| Casing                | # Sk             | Wt.<br>lb/<br>gal | H <sub>2</sub> O<br>gal/sk | Yld<br>ft <sup>3</sup> /<br>sack | 500#<br>Comp.<br>Strength<br>(hours) | Slurry Description                                                                                                                                    |
|-----------------------|------------------|-------------------|----------------------------|----------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13-3/8" Surface       | 1000             | 14.8              | 6.32                       | 1.33                             | 6                                    | Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake                                                                                                    |
| 9-5/8" Inter.         | 1200             | 12.9              | 9.81                       | 1.85                             | 14                                   | Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake                                |
|                       | 430              | 14.8              | 6.32                       | 1.33                             | 6                                    | Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake                                                                                                    |
| 5-1/2" Prod.          | 290              | 11.9              | 12.89                      | 2.31                             | n/a                                  | Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000                       |
|                       | 330              | 12.5              | 10.86                      | 1.96                             | 30                                   | 1 <sup>st</sup> Stage Lead: (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake               |
|                       | 2130             | 14.5              | 5.31                       | 1.2                              | 25                                   | Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite                            |
| 5-1/2" Prod Two Stage | 530              | 11.9              | 12.89                      | 2.31                             | n/a                                  | 1 <sup>st</sup> Stage Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000 |
|                       | 2130             | 14.5              | 5.31                       | 1.2                              | 25                                   | 1 <sup>st</sup> Stage Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite      |
|                       | DV Tool = 5445ft |                   |                            |                                  |                                      |                                                                                                                                                       |
|                       | 20               | 11                | 14.81                      | 2.55                             | 22                                   | 2 <sup>nd</sup> Stage Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake                                                                             |
|                       | 30               | 14.8              | 6.32                       | 1.33                             | 6                                    | 2 <sup>nd</sup> Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake                                                                              |

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

| Casing String                        | TOC                                                             | % Excess |
|--------------------------------------|-----------------------------------------------------------------|----------|
| 13-3/8" Surface                      | 0'                                                              | 100%     |
| 9-5/8" Intermediate                  | 0'                                                              | 75%      |
| 5-1/2" Production Casing             | 5195' 5050'                                                     | 25%      |
| 5-1/2" Production Casing – Two Stage | 1 <sup>st</sup> Stage = 5445ft / 2 <sup>nd</sup> Stage = 5195ft | 25%      |

5050'

## Devon Energy, Fighting Okra 18-19 Fed 31H

### 4. Pressure Control Equipment

|   |                                                                                                      |
|---|------------------------------------------------------------------------------------------------------|
| N | A variance is requested for the use of a diverter on the surface casing. See attached for schematic. |
|---|------------------------------------------------------------------------------------------------------|

| BOP installed and tested before drilling which hole? | Size?   | Min. Required WP | Type       | ✓ | Tested to:                        |
|------------------------------------------------------|---------|------------------|------------|---|-----------------------------------|
| 12-1/4"                                              | 13-5/8" | 3M               | Annular    | x | 50% of working pressure<br><br>3M |
|                                                      |         |                  | Blind Ram  |   |                                   |
|                                                      |         |                  | Pipe Ram   |   |                                   |
|                                                      |         |                  | Double Ram | x |                                   |
|                                                      |         |                  | Other*     |   |                                   |
| 8-3/4"                                               | 13-5/8" | 3M               | Annular    | x | 50% testing pressure<br><br>3M    |
|                                                      |         |                  | Blind Ram  |   |                                   |
|                                                      |         |                  | Pipe Ram   |   |                                   |
|                                                      |         |                  | Double Ram | x |                                   |
|                                                      |         |                  | Other*     |   |                                   |
|                                                      |         |                  |            |   |                                   |
|                                                      |         |                  |            |   |                                   |
|                                                      |         |                  |            |   |                                   |
|                                                      |         |                  |            |   |                                   |
|                                                      |         |                  |            |   |                                   |

\*Specify if additional ram is utilized.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

|   |                                                                                                                                                                                                                                                                                                               |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y | Formation integrity test will be performed per Onshore Order #2.<br>On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. |
| Y | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.                                                                                                                                                               |



## Devon Energy, Fighting Okra 18-19 Fed 31H

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y | Are anchors required by manufacturer?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Y | <p>A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.</p> <p>Devon proposes using a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi.</p> <ul style="list-style-type: none"> <li>• Wellhead will be installed by vendor representatives.</li> <li>• If the welding is performed by a third party, the vendor representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal.</li> <li>• Vendor representative will install the test plug for the initial BOP test.</li> <li>• Vendor will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 3M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time.</li> <li>• If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted.</li> <li>• Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating.</li> <li>• Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2.</li> </ul> <p>After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2.</p> <p>After running the 9-5/8' intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the wellhead.</p> <p>The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.</p> <p>Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.</p> |



## Devon Energy, Fighting Okra 18-19 Fed 31H

|  |                         |
|--|-------------------------|
|  | See attached schematic. |
|--|-------------------------|

### 5. Mud Program

| Depth  |         | Type            | Weight (ppg) | Viscosity | Water Loss |
|--------|---------|-----------------|--------------|-----------|------------|
| From   | To      |                 |              |           |            |
| 0      | 930'    | FW Gel          | 8.6-8.8      | 28-34     | N/C        |
| 930'   | 5,395'  | Saturated Brine | 10.0-10.2    | 28-34     | N/C        |
| 5,395' | 17,997' | Cut Brine       | 8.5-9.3      | 28-34     | N/C        |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/Pason/Visual Monitoring |
|---------------------------------------------------------|-----------------------------|

### 6. Logging and Testing Procedures

| Logging, Coring and Testing. |                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| x                            | Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |
|                              | No Logs are planned based on well control or offset log information.                                                                                        |
|                              | Drill stem test? If yes, explain                                                                                                                            |
|                              | Coring? If yes, explain                                                                                                                                     |

| Additional logs planned |             | Interval                |
|-------------------------|-------------|-------------------------|
|                         | Resistivity | Int. shoe to KOP        |
|                         | Density     | Int. shoe to KOP        |
| X                       | CBL         | Production casing       |
| X                       | Mud log     | Intermediate shoe to TD |
|                         | PEX         |                         |

Devon Energy, Fighting Okra 18-19 Fed 31H

7. Drilling Conditions

| Condition                  | Specify what type and where? |
|----------------------------|------------------------------|
| BH Pressure at deepest TVD | 4841 psi                     |
| Abnormal Temperature       | No                           |

Mitigation measure for abnormal conditions: Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H<sub>2</sub>S) monitors will be installed prior to drilling out the surface shoe. If H<sub>2</sub>S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

|   |                                |
|---|--------------------------------|
| N | H <sub>2</sub> S is present    |
| Y | H <sub>2</sub> S Plan attached |

8. Other facets of operation

Is this a walking operation? No.

Will be pre-setting casing? No.

Attachments

☒ Directional Plan

☐ Other, describe