

Submit 1 Copy To Appropriate District Office  
District I – (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II – (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III – (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV – (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-015-45546                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br>Way South State Com                                         |
| 8. Well Number 706H                                                                                 |
| 9. OGRID Number<br>229137                                                                           |
| 10. Pool name or Wildcat<br>Purple Sage; Wolfcamp 98220                                             |

|                                                                                                                                                                                                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)                 |  |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                         |  |
| 2. Name of Operator<br>COG Operating LLC                                                                                                                                                                               |  |
| 3. Address of Operator<br>600 W. Illinois Ave., Midland, TX 79701                                                                                                                                                      |  |
| 4. Well Location<br>Unit Letter <u>G</u> : <u>240</u> feet from the <u>North</u> line and <u>1425</u> feet from the <u>East</u> line<br>Section <u>31</u> Township <u>26S</u> Range <u>28E</u> NMPM County <u>Eddy</u> |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3099' GR                                                                                                                                                         |  |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO:                        |                                                  | SUBSEQUENT REPORT OF:                            |                                          |
|------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/>        | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input checked="" type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>          | CASING/CEMENT JOB <input type="checkbox"/>       |                                          |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |                                                  |                                                  |                                          |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |                                                  |                                                  |                                          |
| OTHER: <input type="checkbox"/>                |                                                  | OTHER: <input type="checkbox"/>                  |                                          |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests to change the location of this well

FROM:

SHL: 240' FSL 1425' FEL, Sec 31, T26S, R28E, Unit G  
BHL: 200' FNL 1980' FEL, Sec 19, T26S, R28E, Unit B

TO:

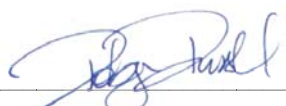
SHL: 510' FSL 2340' FEL, Sec 31, T26S, R28E, Unit G  
BHL: 200' FNL 2178' FWL, Sec 19, T26S, R28E, Unit C

Attached are the revised C102 and directional plan

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Analyst DATE 04/30/2019

Type or print name Robyn M. Russell E-mail address: Russell@concho.com PHONE: (432) 685-4385

For State Use Only

APPROVED BY:  TITLE Geologist DATE 04/10/2020

Conditions of Approval (if any):

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
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Phone: (575) 746-1283 Fax: (575) 746-9720

DISTRICT III  
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Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                            |                                      |                                    |
|----------------------------|--------------------------------------|------------------------------------|
| API Number<br>30-015-45546 | Pool Code<br>98220                   | Pool Name<br>Purple sage; Wolfcamp |
| Property Code<br>308269    | Property Name<br>WAY SOUTH STATE COM | Well Number<br>706H                |
| OGRID No.<br>229137        | Operator Name<br>COG OPERATING, LLC  | Elevation<br>3107.5'               |

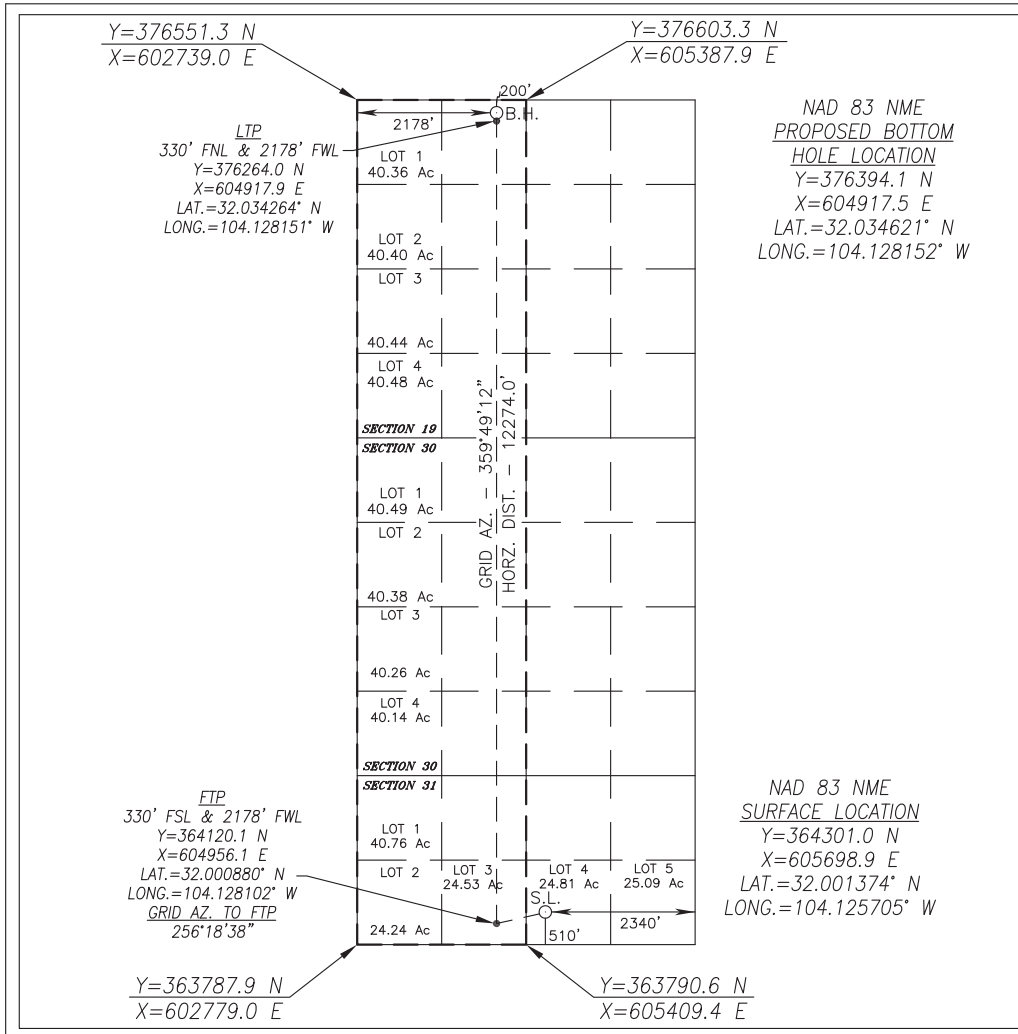
**Surface Location**

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 4             | 31      | 26-S     | 28-E  |         | 510           | SOUTH            | 2340          | EAST           | EDDY   |

**Bottom Hole Location If Different From Surface**

| UL or lot No.             | Section         | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| C                         | 19              | 26-S               | 28-E      |         | 200           | NORTH            | 2178          | WEST           | EDDY   |
| Dedicated Acres<br>772.48 | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

  
Signature Date

Robyn M. Russell  
Printed Name

Russell@concho.com  
E-mail Address

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 28, 2019

Date of Survey

Signature & Seal of Professional Surveyor



3/19/19  
Certificate No. CHAD HARCROW 17777  
W.O. #19-304 DRAWN BY: AM

# **NORTHERN DELAWARE BASIN**

**EDDY COUNTY, NM**

**ATLAS**

**WAY SOUTH ST COM #706H**

**OWB**

**Plan: PWP0**

## **Standard Planning Report**

**23 April, 2019**

## Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM_Users               | <b>Local Co-ordinate Reference:</b> | Well WAY SOUTH ST COM #706H           |
| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | EDDY COUNTY, NM                      |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                       |       |           |                 |            |                   |        |
|-----------------------|-------|-----------|-----------------|------------|-------------------|--------|
| Site                  | ATLAS |           |                 |            |                   |        |
| Site Position:        |       | Northing: | 371,480.80 usft | Latitude:  | 32° 1' 15.933 N   |        |
| From:                 | Map   | Easting:  | 573,599.60 usft | Longitude: | 104° 5' 45.086 W  |        |
| Position Uncertainty: |       | 0.0 usft  | Slot Radius:    | 13-3/16 "  | Grid Convergence: | 0.13 ° |

| Well                 | WAY SOUTH ST COM #706H |               |                     |                 |               |                  |
|----------------------|------------------------|---------------|---------------------|-----------------|---------------|------------------|
| Well Position        | +N/-S                  | -7,236.6 usft | Northing:           | 364,244.20 usft | Latitude:     | 32° 0' 4.500 N   |
|                      | +E/-W                  | -9,085.5 usft | Easting:            | 564,514.10 usft | Longitude:    | 104° 7' 30.782 W |
| Position Uncertainty |                        | 3.0 usft      | Wellhead Elevation: |                 | Ground Level: | 3,107.5 usft     |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OWB               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 4/23/2019          | 6.99                   | 59.75                | 47,559.79404763            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | PWP0                           |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.0                            | 0.0                 | 0.0                  | 356.30               |

|                                 |                        |                          |                            |                |
|---------------------------------|------------------------|--------------------------|----------------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 4/23/2019                |                            |                |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>           | <b>Remarks</b> |
| 1                               | 0.0                    | 8,674.0 PWP0 (OWB)       | MWD                        |                |
|                                 |                        |                          | OWSG MWD - Standard        |                |
| 2                               | 8,674.0                | 21,458.0 PWP0 (OWB)      | MWD+IFR1+MS                |                |
|                                 |                        |                          | OWSG MWD + IFR1 + Multi-St |                |

## Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
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| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                     |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target              |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 2,250.0               | 5.00            | 235.00      | 2,249.7               | -6.3         | -8.9         | 2.00                    | 2.00                   | 0.00                  | 235.00  |                     |
| 8,323.4               | 5.00            | 235.00      | 8,300.0               | -309.9       | -442.5       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 8,573.4               | 0.00            | 0.00        | 8,549.7               | -316.1       | -451.5       | 2.00                    | -2.00                  | 0.00                  | 180.00  |                     |
| 8,673.7               | 0.00            | 0.00        | 8,650.0               | -316.1       | -451.5       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 9,569.8               | 89.60           | 339.30      | 9,223.0               | 216.2        | -652.6       | 10.00                   | 10.00                  | 0.00                  | 339.30  |                     |
| 10,082.8              | 89.60           | 359.82      | 9,226.6               | 717.9        | -745.1       | 4.00                    | 0.00                   | 4.00                  | 90.07   |                     |
| 21,458.0              | 89.60           | 359.82      | 9,306.0               | 12,092.8     | -781.1       | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL-Way South St ( |

# Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
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| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0               | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0               | 2.00            | 235.00      | 2,100.0               | -1.0         | -1.4         | -0.9                    | 2.00                    | 2.00                   | 0.00                  |
| 2,200.0               | 4.00            | 235.00      | 2,199.8               | -4.0         | -5.7         | -3.6                    | 2.00                    | 2.00                   | 0.00                  |
| 2,250.0               | 5.00            | 235.00      | 2,249.7               | -6.3         | -8.9         | -5.7                    | 2.00                    | 2.00                   | 0.00                  |
| 2,300.0               | 5.00            | 235.00      | 2,299.5               | -8.8         | -12.5        | -7.9                    | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0               | 5.00            | 235.00      | 2,399.1               | -13.8        | -19.6        | -12.5                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0               | 5.00            | 235.00      | 2,498.7               | -18.8        | -26.8        | -17.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 5.00            | 235.00      | 2,598.4               | -23.7        | -33.9        | -21.5                   | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 5.00            | 235.00      | 2,698.0               | -28.7        | -41.1        | -26.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 5.00            | 235.00      | 2,797.6               | -33.7        | -48.2        | -30.6                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 5.00            | 235.00      | 2,897.2               | -38.7        | -55.3        | -35.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 5.00            | 235.00      | 2,996.8               | -43.7        | -62.5        | -39.6                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 5.00            | 235.00      | 3,096.4               | -48.7        | -69.6        | -44.2                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 5.00            | 235.00      | 3,196.1               | -53.7        | -76.8        | -48.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 5.00            | 235.00      | 3,295.7               | -58.7        | -83.9        | -53.2                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 5.00            | 235.00      | 3,395.3               | -63.7        | -91.0        | -57.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 5.00            | 235.00      | 3,494.9               | -68.7        | -98.2        | -62.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 5.00            | 235.00      | 3,594.5               | -73.7        | -105.3       | -66.8                   | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 5.00            | 235.00      | 3,694.2               | -78.7        | -112.5       | -71.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 5.00            | 235.00      | 3,793.8               | -83.7        | -119.6       | -75.9                   | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 5.00            | 235.00      | 3,893.4               | -88.7        | -126.7       | -80.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 5.00            | 235.00      | 3,993.0               | -93.7        | -133.9       | -84.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 5.00            | 235.00      | 4,092.6               | -98.7        | -141.0       | -89.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 5.00            | 235.00      | 4,192.3               | -103.7       | -148.1       | -94.0                   | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 5.00            | 235.00      | 4,291.9               | -108.7       | -155.3       | -98.5                   | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 5.00            | 235.00      | 4,391.5               | -113.7       | -162.4       | -103.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 5.00            | 235.00      | 4,491.1               | -118.7       | -169.6       | -107.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 5.00            | 235.00      | 4,590.7               | -123.7       | -176.7       | -112.1                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 5.00            | 235.00      | 4,690.4               | -128.7       | -183.8       | -116.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 5.00            | 235.00      | 4,790.0               | -133.7       | -191.0       | -121.1                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 5.00            | 235.00      | 4,889.6               | -138.7       | -198.1       | -125.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 5.00            | 235.00      | 4,989.2               | -143.7       | -205.3       | -130.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 5.00            | 235.00      | 5,088.8               | -148.7       | -212.4       | -134.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 5.00            | 235.00      | 5,188.5               | -153.7       | -219.5       | -139.3                  | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM_Users               | <b>Local Co-ordinate Reference:</b> | Well WAY SOUTH ST COM #706H           |
| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Planned Survey             |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)      | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,300.0                    | 5.00            | 235.00      | 5,288.1               | -158.7       | -226.7       | -143.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                    | 5.00            | 235.00      | 5,387.7               | -163.7       | -233.8       | -148.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0                    | 5.00            | 235.00      | 5,487.3               | -168.7       | -241.0       | -152.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0                    | 5.00            | 235.00      | 5,586.9               | -173.7       | -248.1       | -157.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0                    | 5.00            | 235.00      | 5,686.6               | -178.7       | -255.2       | -161.9                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0                    | 5.00            | 235.00      | 5,786.2               | -183.7       | -262.4       | -166.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                    | 5.00            | 235.00      | 5,885.8               | -188.7       | -269.5       | -171.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                    | 5.00            | 235.00      | 5,985.4               | -193.7       | -276.7       | -175.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                    | 5.00            | 235.00      | 6,085.0               | -198.7       | -283.8       | -180.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                    | 5.00            | 235.00      | 6,184.7               | -203.7       | -290.9       | -184.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                    | 5.00            | 235.00      | 6,284.3               | -208.7       | -298.1       | -189.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                    | 5.00            | 235.00      | 6,383.9               | -213.7       | -305.2       | -193.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0                    | 5.00            | 235.00      | 6,483.5               | -218.7       | -312.4       | -198.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                    | 5.00            | 235.00      | 6,583.1               | -223.7       | -319.5       | -202.7                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                    | 5.00            | 235.00      | 6,682.7               | -228.7       | -326.6       | -207.2                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                    | 5.00            | 235.00      | 6,782.4               | -233.7       | -333.8       | -211.7                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                    | 5.00            | 235.00      | 6,882.0               | -238.7       | -340.9       | -216.2                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                    | 5.00            | 235.00      | 6,981.6               | -243.7       | -348.1       | -220.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                    | 5.00            | 235.00      | 7,081.2               | -248.7       | -355.2       | -225.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                    | 5.00            | 235.00      | 7,180.8               | -253.7       | -362.3       | -229.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                    | 5.00            | 235.00      | 7,280.5               | -258.7       | -369.5       | -234.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                    | 5.00            | 235.00      | 7,380.1               | -263.7       | -376.6       | -238.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0                    | 5.00            | 235.00      | 7,479.7               | -268.7       | -383.7       | -243.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                    | 5.00            | 235.00      | 7,579.3               | -273.7       | -390.9       | -247.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0                    | 5.00            | 235.00      | 7,678.9               | -278.7       | -398.0       | -252.5                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                    | 5.00            | 235.00      | 7,778.6               | -283.7       | -405.2       | -257.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                    | 5.00            | 235.00      | 7,878.2               | -288.7       | -412.3       | -261.5                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                    | 5.00            | 235.00      | 7,977.8               | -293.7       | -419.4       | -266.1                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                    | 5.00            | 235.00      | 8,077.4               | -298.7       | -426.6       | -270.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0                    | 5.00            | 235.00      | 8,177.0               | -303.7       | -433.7       | -275.1                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0                    | 5.00            | 235.00      | 8,276.7               | -308.7       | -440.9       | -279.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,323.4                    | 5.00            | 235.00      | 8,300.0               | -309.9       | -442.5       | -280.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0                    | 3.47            | 235.00      | 8,376.4               | -313.1       | -447.2       | -283.6                  | 2.00                    | -2.00                  | 0.00                  |
| 8,500.0                    | 1.47            | 235.00      | 8,476.3               | -315.6       | -450.7       | -285.9                  | 2.00                    | -2.00                  | 0.00                  |
| 8,573.4                    | 0.00            | 0.00        | 8,549.7               | -316.1       | -451.5       | -286.4                  | 2.00                    | -2.00                  | 0.00                  |
| 8,600.0                    | 0.00            | 0.00        | 8,576.3               | -316.1       | -451.5       | -286.4                  | 0.00                    | 0.00                   | 0.00                  |
| 8,673.7                    | 0.00            | 0.00        | 8,650.0               | -316.1       | -451.5       | -286.4                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0                    | 2.63            | 339.30      | 8,676.2               | -315.6       | -451.7       | -285.8                  | 10.00                   | 10.00                  | 0.00                  |
| 8,750.0                    | 7.62            | 339.30      | 8,726.0               | -311.4       | -453.3       | -281.5                  | 10.00                   | 10.00                  | 0.00                  |
| 8,800.0                    | 12.62           | 339.30      | 8,775.2               | -303.2       | -456.4       | -273.1                  | 10.00                   | 10.00                  | 0.00                  |
| 8,850.0                    | 17.62           | 339.30      | 8,823.5               | -291.0       | -461.0       | -260.6                  | 10.00                   | 10.00                  | 0.00                  |
| 8,900.0                    | 22.62           | 339.30      | 8,870.4               | -274.9       | -467.0       | -244.2                  | 10.00                   | 10.00                  | 0.00                  |
| 8,950.0                    | 27.62           | 339.30      | 8,915.7               | -255.0       | -474.6       | -223.9                  | 10.00                   | 10.00                  | 0.00                  |
| 9,000.0                    | 32.62           | 339.30      | 8,958.9               | -231.6       | -483.4       | -199.9                  | 10.00                   | 10.00                  | 0.00                  |
| 9,050.0                    | 37.62           | 339.30      | 8,999.8               | -204.7       | -493.6       | -172.4                  | 10.00                   | 10.00                  | 0.00                  |
| 9,100.0                    | 42.62           | 339.30      | 9,038.0               | -174.5       | -505.0       | -141.6                  | 10.00                   | 10.00                  | 0.00                  |
| 9,150.0                    | 47.62           | 339.30      | 9,073.3               | -141.4       | -517.5       | -107.7                  | 10.00                   | 10.00                  | 0.00                  |
| 9,200.0                    | 52.62           | 339.30      | 9,105.3               | -105.5       | -531.0       | -71.1                   | 10.00                   | 10.00                  | 0.00                  |
| 9,250.0                    | 57.62           | 339.30      | 9,133.9               | -67.2        | -545.5       | -31.9                   | 10.00                   | 10.00                  | 0.00                  |
| 9,262.6                    | 58.88           | 339.30      | 9,140.5               | -57.2        | -549.3       | -21.6                   | 10.00                   | 10.00                  | 0.00                  |
| FTP-Way South St Com #706H |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,300.0                    | 62.62           | 339.30      | 9,158.8               | -26.6        | -560.9       | 9.6                     | 10.00                   | 10.00                  | 0.00                  |
| 9,350.0                    | 67.62           | 339.30      | 9,179.8               | 15.8         | -576.9       | 53.0                    | 10.00                   | 10.00                  | 0.00                  |

# Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM_Users               | <b>Local Co-ordinate Reference:</b> | Well WAY SOUTH ST COM #706H           |
| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,400.0               | 72.62           | 339.30      | 9,196.8               | 59.8         | -593.5       | 97.9                    | 10.00                   | 10.00                  | 0.00                  |
| 9,450.0               | 77.62           | 339.30      | 9,209.7               | 105.0        | -610.6       | 144.1                   | 10.00                   | 10.00                  | 0.00                  |
| 9,500.0               | 82.62           | 339.30      | 9,218.3               | 151.0        | -628.0       | 191.2                   | 10.00                   | 10.00                  | 0.00                  |
| 9,550.0               | 87.62           | 339.30      | 9,222.5               | 197.6        | -645.6       | 238.8                   | 10.00                   | 10.00                  | 0.00                  |
| 9,569.8               | 89.60           | 339.30      | 9,223.0               | 216.2        | -652.6       | 257.8                   | 10.00                   | 10.00                  | 0.00                  |
| 9,600.0               | 89.60           | 340.51      | 9,223.2               | 244.5        | -663.0       | 286.7                   | 4.00                    | 0.00                   | 4.00                  |
| 9,700.0               | 89.60           | 344.51      | 9,223.9               | 339.8        | -693.0       | 383.8                   | 4.00                    | 0.00                   | 4.00                  |
| 9,800.0               | 89.59           | 348.51      | 9,224.6               | 437.1        | -716.3       | 482.3                   | 4.00                    | 0.00                   | 4.00                  |
| 9,900.0               | 89.59           | 352.51      | 9,225.3               | 535.7        | -732.8       | 581.8                   | 4.00                    | 0.00                   | 4.00                  |
| 10,000.0              | 89.60           | 356.51      | 9,226.0               | 635.2        | -742.4       | 681.7                   | 4.00                    | 0.00                   | 4.00                  |
| 10,082.8              | 89.60           | 359.82      | 9,226.6               | 717.9        | -745.1       | 764.4                   | 4.00                    | 0.00                   | 4.00                  |
| 10,100.0              | 89.60           | 359.82      | 9,226.7               | 735.1        | -745.1       | 781.6                   | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 89.60           | 359.82      | 9,227.4               | 835.1        | -745.4       | 881.4                   | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 89.60           | 359.82      | 9,228.1               | 935.1        | -745.7       | 981.2                   | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 89.60           | 359.82      | 9,228.8               | 1,035.1      | -746.1       | 1,081.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 89.60           | 359.82      | 9,229.5               | 1,135.1      | -746.4       | 1,180.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 89.60           | 359.82      | 9,230.2               | 1,235.1      | -746.7       | 1,280.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 89.60           | 359.82      | 9,230.9               | 1,335.1      | -747.0       | 1,380.5                 | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 89.60           | 359.82      | 9,231.6               | 1,435.1      | -747.3       | 1,480.3                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 89.60           | 359.82      | 9,232.3               | 1,535.1      | -747.6       | 1,580.1                 | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 89.60           | 359.82      | 9,233.0               | 1,635.1      | -748.0       | 1,679.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 89.60           | 359.82      | 9,233.7               | 1,735.1      | -748.3       | 1,779.7                 | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 89.60           | 359.82      | 9,234.4               | 1,835.1      | -748.6       | 1,879.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 89.60           | 359.82      | 9,235.1               | 1,935.1      | -748.9       | 1,979.3                 | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 89.60           | 359.82      | 9,235.8               | 2,035.1      | -749.2       | 2,079.2                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 89.60           | 359.82      | 9,236.5               | 2,135.1      | -749.5       | 2,179.0                 | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 89.60           | 359.82      | 9,237.2               | 2,235.1      | -749.9       | 2,278.8                 | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 89.60           | 359.82      | 9,237.9               | 2,335.1      | -750.2       | 2,378.6                 | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 89.60           | 359.82      | 9,238.6               | 2,435.1      | -750.5       | 2,478.4                 | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 89.60           | 359.82      | 9,239.3               | 2,535.1      | -750.8       | 2,578.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 89.60           | 359.82      | 9,240.0               | 2,635.1      | -751.1       | 2,678.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0              | 89.60           | 359.82      | 9,240.7               | 2,735.1      | -751.4       | 2,777.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0              | 89.60           | 359.82      | 9,241.4               | 2,835.1      | -751.8       | 2,877.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0              | 89.60           | 359.82      | 9,242.1               | 2,935.1      | -752.1       | 2,977.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0              | 89.60           | 359.82      | 9,242.8               | 3,035.1      | -752.4       | 3,077.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0              | 89.60           | 359.82      | 9,243.5               | 3,135.1      | -752.7       | 3,177.1                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0              | 89.60           | 359.82      | 9,244.2               | 3,235.1      | -753.0       | 3,276.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0              | 89.60           | 359.82      | 9,244.9               | 3,335.1      | -753.3       | 3,376.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0              | 89.60           | 359.82      | 9,245.6               | 3,435.1      | -753.7       | 3,476.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 89.60           | 359.82      | 9,246.3               | 3,535.0      | -754.0       | 3,576.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 89.60           | 359.82      | 9,247.0               | 3,635.0      | -754.3       | 3,676.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 89.60           | 359.82      | 9,247.7               | 3,735.0      | -754.6       | 3,775.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 89.60           | 359.82      | 9,248.4               | 3,835.0      | -754.9       | 3,875.7                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 89.60           | 359.82      | 9,249.1               | 3,935.0      | -755.2       | 3,975.5                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 89.60           | 359.82      | 9,249.8               | 4,035.0      | -755.6       | 4,075.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 89.60           | 359.82      | 9,250.5               | 4,135.0      | -755.9       | 4,175.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 89.60           | 359.82      | 9,251.2               | 4,235.0      | -756.2       | 4,275.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 89.60           | 359.82      | 9,251.9               | 4,335.0      | -756.5       | 4,374.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 89.60           | 359.82      | 9,252.6               | 4,435.0      | -756.8       | 4,474.6                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 89.60           | 359.82      | 9,253.3               | 4,535.0      | -757.2       | 4,574.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 89.60           | 359.82      | 9,254.0               | 4,635.0      | -757.5       | 4,674.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 89.60           | 359.82      | 9,254.7               | 4,735.0      | -757.8       | 4,774.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 89.60           | 359.82      | 9,255.4               | 4,835.0      | -758.1       | 4,873.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 89.60           | 359.82      | 9,256.0               | 4,935.0      | -758.4       | 4,973.6                 | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM_Users               | <b>Local Co-ordinate Reference:</b> | Well WAY SOUTH ST COM #706H           |
| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,400.0              | 89.60           | 359.82      | 9,256.7               | 5,035.0      | -758.7       | 5,073.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 89.60           | 359.82      | 9,257.4               | 5,135.0      | -759.1       | 5,173.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 89.60           | 359.82      | 9,258.1               | 5,235.0      | -759.4       | 5,273.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 89.60           | 359.82      | 9,258.8               | 5,335.0      | -759.7       | 5,372.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 89.60           | 359.82      | 9,259.5               | 5,435.0      | -760.0       | 5,472.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 89.60           | 359.82      | 9,260.2               | 5,535.0      | -760.3       | 5,572.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 89.60           | 359.82      | 9,260.9               | 5,635.0      | -760.6       | 5,672.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 89.60           | 359.82      | 9,261.6               | 5,735.0      | -761.0       | 5,772.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 89.60           | 359.82      | 9,262.3               | 5,835.0      | -761.3       | 5,871.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 89.60           | 359.82      | 9,263.0               | 5,935.0      | -761.6       | 5,971.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 89.60           | 359.82      | 9,263.7               | 6,035.0      | -761.9       | 6,071.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 89.60           | 359.82      | 9,264.4               | 6,135.0      | -762.2       | 6,171.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 89.60           | 359.82      | 9,265.1               | 6,235.0      | -762.5       | 6,271.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 89.60           | 359.82      | 9,265.8               | 6,335.0      | -762.9       | 6,371.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 89.60           | 359.82      | 9,266.5               | 6,435.0      | -763.2       | 6,470.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 89.60           | 359.82      | 9,267.2               | 6,535.0      | -763.5       | 6,570.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 89.60           | 359.82      | 9,267.9               | 6,635.0      | -763.8       | 6,670.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 89.60           | 359.82      | 9,268.6               | 6,735.0      | -764.1       | 6,770.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 89.60           | 359.82      | 9,269.3               | 6,835.0      | -764.4       | 6,870.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 89.60           | 359.82      | 9,270.0               | 6,934.9      | -764.8       | 6,969.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 89.60           | 359.82      | 9,270.7               | 7,034.9      | -765.1       | 7,069.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 89.60           | 359.82      | 9,271.4               | 7,134.9      | -765.4       | 7,169.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 89.60           | 359.82      | 9,272.1               | 7,234.9      | -765.7       | 7,269.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 89.60           | 359.82      | 9,272.8               | 7,334.9      | -766.0       | 7,369.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 89.60           | 359.82      | 9,273.5               | 7,434.9      | -766.3       | 7,468.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 89.60           | 359.82      | 9,274.2               | 7,534.9      | -766.7       | 7,568.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 89.60           | 359.82      | 9,274.9               | 7,634.9      | -767.0       | 7,668.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 89.60           | 359.82      | 9,275.6               | 7,734.9      | -767.3       | 7,768.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 89.60           | 359.82      | 9,276.3               | 7,834.9      | -767.6       | 7,868.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 89.60           | 359.82      | 9,277.0               | 7,934.9      | -767.9       | 7,967.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 89.60           | 359.82      | 9,277.7               | 8,034.9      | -768.2       | 8,067.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 89.60           | 359.82      | 9,278.4               | 8,134.9      | -768.6       | 8,167.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 89.60           | 359.82      | 9,279.1               | 8,234.9      | -768.9       | 8,267.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 89.60           | 359.82      | 9,279.8               | 8,334.9      | -769.2       | 8,367.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 89.60           | 359.82      | 9,280.5               | 8,434.9      | -769.5       | 8,467.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 89.60           | 359.82      | 9,281.2               | 8,534.9      | -769.8       | 8,566.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 89.60           | 359.82      | 9,281.9               | 8,634.9      | -770.1       | 8,666.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 89.60           | 359.82      | 9,282.6               | 8,734.9      | -770.5       | 8,766.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 89.60           | 359.82      | 9,283.3               | 8,834.9      | -770.8       | 8,866.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 89.60           | 359.82      | 9,284.0               | 8,934.9      | -771.1       | 8,966.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 89.60           | 359.82      | 9,284.7               | 9,034.9      | -771.4       | 9,065.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 89.60           | 359.82      | 9,285.4               | 9,134.9      | -771.7       | 9,165.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 89.60           | 359.82      | 9,286.1               | 9,234.9      | -772.0       | 9,265.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 89.60           | 359.82      | 9,286.8               | 9,334.9      | -772.4       | 9,365.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 89.60           | 359.82      | 9,287.5               | 9,434.9      | -772.7       | 9,465.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 89.60           | 359.82      | 9,288.1               | 9,534.9      | -773.0       | 9,564.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 89.60           | 359.82      | 9,288.8               | 9,634.9      | -773.3       | 9,664.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 89.60           | 359.82      | 9,289.5               | 9,734.9      | -773.6       | 9,764.5                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 89.60           | 359.82      | 9,290.2               | 9,834.9      | -773.9       | 9,864.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 89.60           | 359.82      | 9,290.9               | 9,934.9      | -774.3       | 9,964.1                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 89.60           | 359.82      | 9,291.6               | 10,034.9     | -774.6       | 10,063.9                | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 89.60           | 359.82      | 9,292.3               | 10,134.9     | -774.9       | 10,163.7                | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 89.60           | 359.82      | 9,293.0               | 10,234.9     | -775.2       | 10,263.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 89.60           | 359.82      | 9,293.7               | 10,334.8     | -775.5       | 10,363.3                | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Database:</b> | EDM_Users               | <b>Local Co-ordinate Reference:</b> | Well WAY SOUTH ST COM #706H           |
| <b>Company:</b>  | NORTHERN DELAWARE BASIN | <b>TVD Reference:</b>               | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Project:</b>  | EDDY COUNTY, NM         | <b>MD Reference:</b>                | RKB=3107.5+29 @ 3136.5usft (NORAM 21) |
| <b>Site:</b>     | ATLAS                   | <b>North Reference:</b>             | Grid                                  |
| <b>Well:</b>     | WAY SOUTH ST COM #706H  | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Wellbore:</b> | OWB                     |                                     |                                       |
| <b>Design:</b>   | PWP0                    |                                     |                                       |

| Planned Survey              |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)       | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 19,800.0                    | 89.60           | 359.82      | 9,294.4               | 10,434.8     | -775.8       | 10,463.2                | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0                    | 89.60           | 359.82      | 9,295.1               | 10,534.8     | -776.2       | 10,563.0                | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0                    | 89.60           | 359.82      | 9,295.8               | 10,634.8     | -776.5       | 10,662.8                | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0                    | 89.60           | 359.82      | 9,296.5               | 10,734.8     | -776.8       | 10,762.6                | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0                    | 89.60           | 359.82      | 9,297.2               | 10,834.8     | -777.1       | 10,862.4                | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0                    | 89.60           | 359.82      | 9,297.9               | 10,934.8     | -777.4       | 10,962.2                | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0                    | 89.60           | 359.82      | 9,298.6               | 11,034.8     | -777.7       | 11,062.0                | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0                    | 89.60           | 359.82      | 9,299.3               | 11,134.8     | -778.1       | 11,161.8                | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0                    | 89.60           | 359.82      | 9,300.0               | 11,234.8     | -778.4       | 11,261.6                | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0                    | 89.60           | 359.82      | 9,300.7               | 11,334.8     | -778.7       | 11,361.4                | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0                    | 89.60           | 359.82      | 9,301.4               | 11,434.8     | -779.0       | 11,461.3                | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0                    | 89.60           | 359.82      | 9,302.1               | 11,534.8     | -779.3       | 11,561.1                | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0                    | 89.60           | 359.82      | 9,302.8               | 11,634.8     | -779.6       | 11,660.9                | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0                    | 89.60           | 359.82      | 9,303.5               | 11,734.8     | -780.0       | 11,760.7                | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0                    | 89.60           | 359.82      | 9,304.2               | 11,834.8     | -780.3       | 11,860.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0                    | 89.60           | 359.82      | 9,304.9               | 11,934.8     | -780.6       | 11,960.3                | 0.00                    | 0.00                   | 0.00                  |
| 21,328.0                    | 89.60           | 359.82      | 9,305.1               | 11,962.8     | -780.7       | 11,988.3                | 0.00                    | 0.00                   | 0.00                  |
| LTP-Way South St Com #706H  |                 |             |                       |              |              |                         |                         |                        |                       |
| 21,400.0                    | 89.60           | 359.82      | 9,305.6               | 12,034.8     | -780.9       | 12,060.1                | 0.00                    | 0.00                   | 0.00                  |
| 21,458.0                    | 89.60           | 359.82      | 9,306.0               | 12,092.8     | -781.1       | 12,118.0                | 0.00                    | 0.00                   | 0.00                  |
| PBHL-Way South St Com #706H |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                             |               |              |            |              |              |                 |                |                |                  |
|--------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|----------------|------------------|
| Target Name                                                                                | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude       | Longitude        |
| - hit/miss target                                                                          |               |              |            |              |              |                 |                |                |                  |
| - Shape                                                                                    |               |              |            |              |              |                 |                |                |                  |
| FTP-Way South St Com                                                                       | 0.00          | 0.00         | 9,223.0    | -180.9       | -742.7       | 364,063.30      | 563,771.40     | 32° 0' 2.724 N | 104° 7' 39.411 W |
| - plan misses target center by 243.9usft at 9262.6usft MD (9140.5 TVD, -57.2 N, -549.3 E)  |               |              |            |              |              |                 |                |                |                  |
| - Circle (radius 50.0)                                                                     |               |              |            |              |              |                 |                |                |                  |
| PBHL-Way South St Cor                                                                      | -0.40         | 179.82       | 9,306.0    | 12,092.8     | -781.1       | 376,337.00      | 563,733.00     | 32° 2' 4.193 N | 104° 7' 39.585 W |
| - plan hits target center                                                                  |               |              |            |              |              |                 |                |                |                  |
| - Rectangle (sides W100.0 H12,273.7 D20.0)                                                 |               |              |            |              |              |                 |                |                |                  |
| LTP-Way South St Com                                                                       | 0.00          | 0.00         | 9,306.0    | 11,962.8     | -780.7       | 376,207.00      | 563,733.40     | 32° 2' 2.907 N | 104° 7' 39.584 W |
| - plan misses target center by 0.9usft at 21328.0usft MD (9305.1 TVD, 11962.8 N, -780.7 E) |               |              |            |              |              |                 |                |                |                  |
| - Point                                                                                    |               |              |            |              |              |                 |                |                |                  |

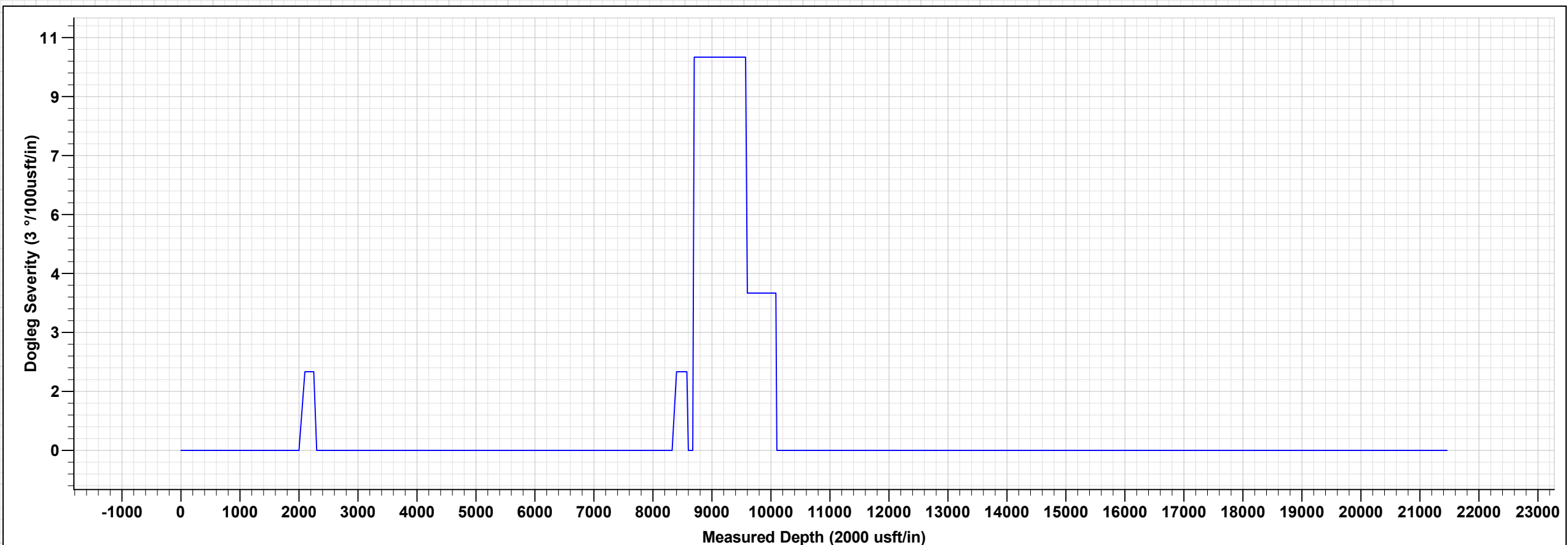
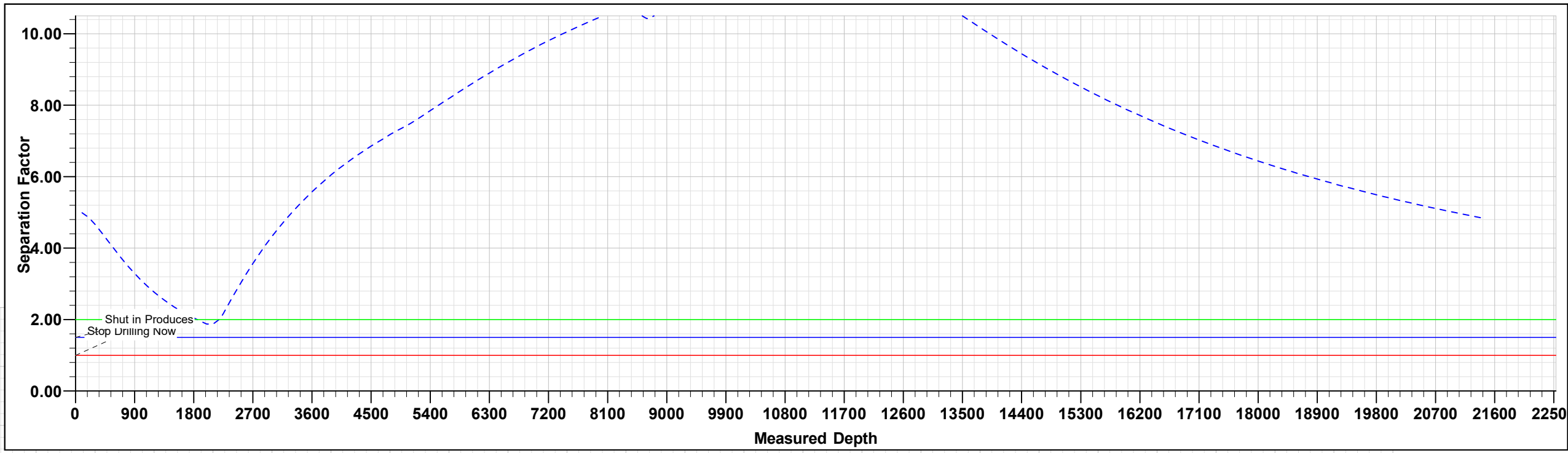
| Plan Annotations      |                       |                   |              |                                  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                          |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                  |
| 2,000.0               | 2,000.0               | 0.0               | 0.0          | Start Build 2.00                 |
| 2,250.0               | 2,249.7               | -6.3              | -8.9         | Start 6073.4 hold at 2250.0 MD   |
| 8,323.4               | 8,300.0               | -309.9            | -442.5       | Start Drop -2.00                 |
| 8,573.4               | 8,549.7               | -316.1            | -451.5       | Start 100.3 hold at 8573.4 MD    |
| 8,673.7               | 8,650.0               | -316.1            | -451.5       | Start Build 10.00                |
| 9,569.8               | 9,223.0               | 216.2             | -652.6       | Start DLS 4.00 TFO 90.07         |
| 10,082.8              | 9,226.6               | 717.9             | -745.1       | Start 11375.2 hold at 10082.8 MD |
| 21,458.0              | 9,306.0               | 12,092.8          | -781.1       | TD at 21458.0                    |

Project: EDDY COUNTY, NM  
Site: ATLAS  
Well: WAY SOUTH ST COM #706H  
Wellbore: OWB  
Design: PWP  
GL: 3107.5  
RKB=3107.5+29 @ 3136.5usft (NORAM 21)



| WELL DETAILS: WAY SOUTH ST COM #706H |       |           |           |                |                  |
|--------------------------------------|-------|-----------|-----------|----------------|------------------|
| +N/-S                                | +E/-W | Northing  | Easting   | Latitude       | Longitude        |
| 0.0                                  | 0.0   | 364244.20 | 564514.10 | 32° 0' 4.500 N | 104° 7' 30.782 W |

| DESIGN TARGET DETAILS       |        |         |        |           |           |                |                  |
|-----------------------------|--------|---------|--------|-----------|-----------|----------------|------------------|
| Name                        | TVD    | +N/-S   | +E/-W  | Northing  | Easting   | Latitude       | Longitude        |
| FTP-Way South St Com #706H  | 9223.0 | -180.9  | -742.7 | 364063.30 | 563771.40 | 32° 0' 2.724 N | 104° 7' 39.411 W |
| LTP-Way South St Com #706H  | 9306.0 | 11962.8 | -780.7 | 376207.00 | 563733.40 | 32° 2' 2.907 N | 104° 7' 39.584 W |
| PBHL-Way South St Com #706H | 9306.0 | 12092.8 | -781.1 | 376337.00 | 563733.00 | 32° 2' 4.193 N | 104° 7' 39.585 W |



| WAY SOUTH ST COM #706H |       |        |        |         |        |       |        |         |                                  |
|------------------------|-------|--------|--------|---------|--------|-------|--------|---------|----------------------------------|
| MD                     | Inc   | Azi    | TVD    | +N/-S   | +E/-W  | Dleg  | TFace  | Vsect   | Annotation                       |
| 0.0                    | 0.00  | 0.00   | 0.0    | 0.0     | 0.0    | 0.00  | 0.00   | 0.0     |                                  |
| 2000.0                 | 0.00  | 0.00   | 2000.0 | 0.0     | 0.0    | 0.00  | 0.00   | 0.0     | Start Build 2.00                 |
| 2250.0                 | 5.00  | 235.00 | 2249.7 | -6.3    | -8.9   | 2.00  | 235.00 | -5.7    | Start 6073.4 hold at 2250.0 MD   |
| 8323.4                 | 5.00  | 235.00 | 8300.0 | -309.9  | -442.5 | 0.00  | 0.00   | -280.7  | Start Drop -2.00                 |
| 8573.4                 | 0.00  | 0.00   | 8549.7 | -316.1  | -451.5 | 2.00  | 180.00 | -286.4  | Start 100.3 hold at 8573.4 MD    |
| 8573.7                 | 0.00  | 0.00   | 8550.0 | -316.1  | -451.5 | 0.00  | 0.00   | -286.4  | Start Build 10.00                |
| 9569.8                 | 89.60 | 339.30 | 9223.0 | 216.2   | -652.6 | 10.00 | 339.30 | 257.8   | Start DLS 4.00 TFO 90.07         |
| 10082.8                | 89.60 | 359.82 | 9226.6 | 717.9   | -745.1 | 4.00  | 90.07  | 764.4   | Start 11375.2 hold at 10082.8 MD |
| 21458.0                | 89.60 | 359.82 | 9306.0 | 12092.8 | -781.1 | 0.00  | 0.00   | 12118.0 | TD at 21458.0                    |

