

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

|                                                                                                                                                                                                                       |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><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.)         |  | WELL API NO. 30-015-49492                                                                           |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                        |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>Silverback Operating II, LLC                                                                                                                                                                   |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>IH10 West, Suite 201<br>San Antonio, TX 78257                                                                                                                                               |  | 7. Lease Name or Unit Agreement Name<br>Schudde 27                                                  |
| 4. Well Location<br>Unit Letter <u>D</u> : <u>272</u> feet from the <u>North</u> line and <u>400</u> feet from the <u>West</u> line<br>Section <u>26</u> Township <u>18S</u> Range <u>26E</u> NMPM County <u>Eddy</u> |  | 8. Well Number 101H                                                                                 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3313' GL                                                                                                                                                        |  | 9. OGRID Number 330968                                                                              |
| 10. Pool name or Wildcat<br>Atoka; Glorieta-Yeso [3250]                                                                                                                                                               |  |                                                                                                     |

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.

Silverback Operating requests to change the well name from "Schudde 27 #101H" to "Shudde 27 #101H". Please see the attached revised C102 and Directional Plan that reflect the correct well name.

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 Cory Walk TITLE Agent DATE 05-10-2022

Type or print name Cory Walk E-mail address: cory@permitswest.com PHONE: 505-466-8120

**For State Use Only**

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 5/13/2022

Conditions of Approval (if any):

**DISTRICT I**1625 N. French Dr., Hobbs, N.M. 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720**DISTRICT II**811 S. First St., Artesia, N.M. 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720**DISTRICT III**1000 Rio Brazos Rd., Aztec, N.M. 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170**DISTRICT IV**1220 S. St. Francis Dr., Santa Fe, N.M. 87505  
Phone: (505) 478-3460 Fax: (505) 478-3462State of New Mexico  
Energy, Minerals & Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate  
District Office☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                   |                                                       |
|------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-015-49492</b> | <sup>2</sup> Pool Code<br><b>3250</b>                             | <sup>3</sup> Pool Name<br><b>Atoka; Glorieta-Yeso</b> |
| <sup>4</sup> Property Code<br><b>332811</b>    | <sup>5</sup> Property Name<br><b>Shudde 27</b>                    | <sup>6</sup> Well Number<br><b>101H</b>               |
| <sup>7</sup> GRID No.<br><b>330968</b>         | <sup>8</sup> Operator Name<br><b>Silverback Operating II, LLC</b> | <sup>9</sup> Elevation<br><b>3313</b>                 |

<sup>10</sup> Surface Location

| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>D</b>      | <b>26</b> | <b>18 S</b> | <b>26 E</b> |         | <b>272</b>    | <b>North</b>     | <b>400</b>    | <b>West</b>    | <b>Eddy</b> |

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

| UL or lot no. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>D</b>      | <b>27</b> | <b>18 S</b> | <b>26 E</b> |         | <b>330</b>    | <b>North</b>     | <b>100</b>    | <b>West</b>    | <b>Eddy</b> |

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

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

**16**

**Legend:**

- = Surface Location
- = Bottom Hole Location
- △ = First Take Point (FTP)
- = Last Take Point (LTP)
- ⊙ = Found Rebar
- ⊗ = Found Spike At Hwy.
- ⊕ = Found 1" Iron Pipe
- ◇ = Cotton Spindle in Hwy.
- ▣ = Found 8x6x6 Limestone
- = Calc. Corner

**SURFACE LOCATION**  
NAD 83 NMSPC ZONE 3001  
Y= 627604.61 N  
X= 533154.60 E  
LAT.= 32.7253217° N  
LONG.= 104.3599424° W

**FIRST TAKE POINT**  
NAD 83 NMSPC ZONE 3001  
Y= 627548.19 N  
X= 532654.35 E  
LAT.= 32.7251663° N  
LONG.= 104.3615691° W

**LAST TAKE POINT**  
NAD 83 NMSPC ZONE 3001  
Y= 627572.45 N  
X= 527561.61 E  
LAT.= 32.7252282° N  
LONG.= 104.3781296° W

**BOTTOM HOLE LOCATION**  
NAD 83 NMSPC ZONE 3001  
Y= 627572.45 N  
X= 527561.61 E  
LAT.= 32.7252282° N  
LONG.= 104.3781296° W

**17 OPERATOR CERTIFICATION**

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

*Cory Walk* **5/10/2022**

Signature **Cory Walk** Date

Printed Name **cory@permitswest.com**

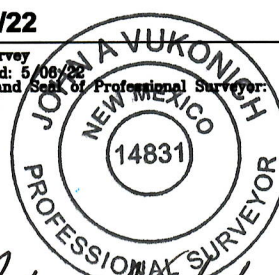
E-mail Address

**18 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.

**2/27/22**

Date of Survey  
Plat Revised: 5/08/22  
Signature and Seal of Professional Surveyor:

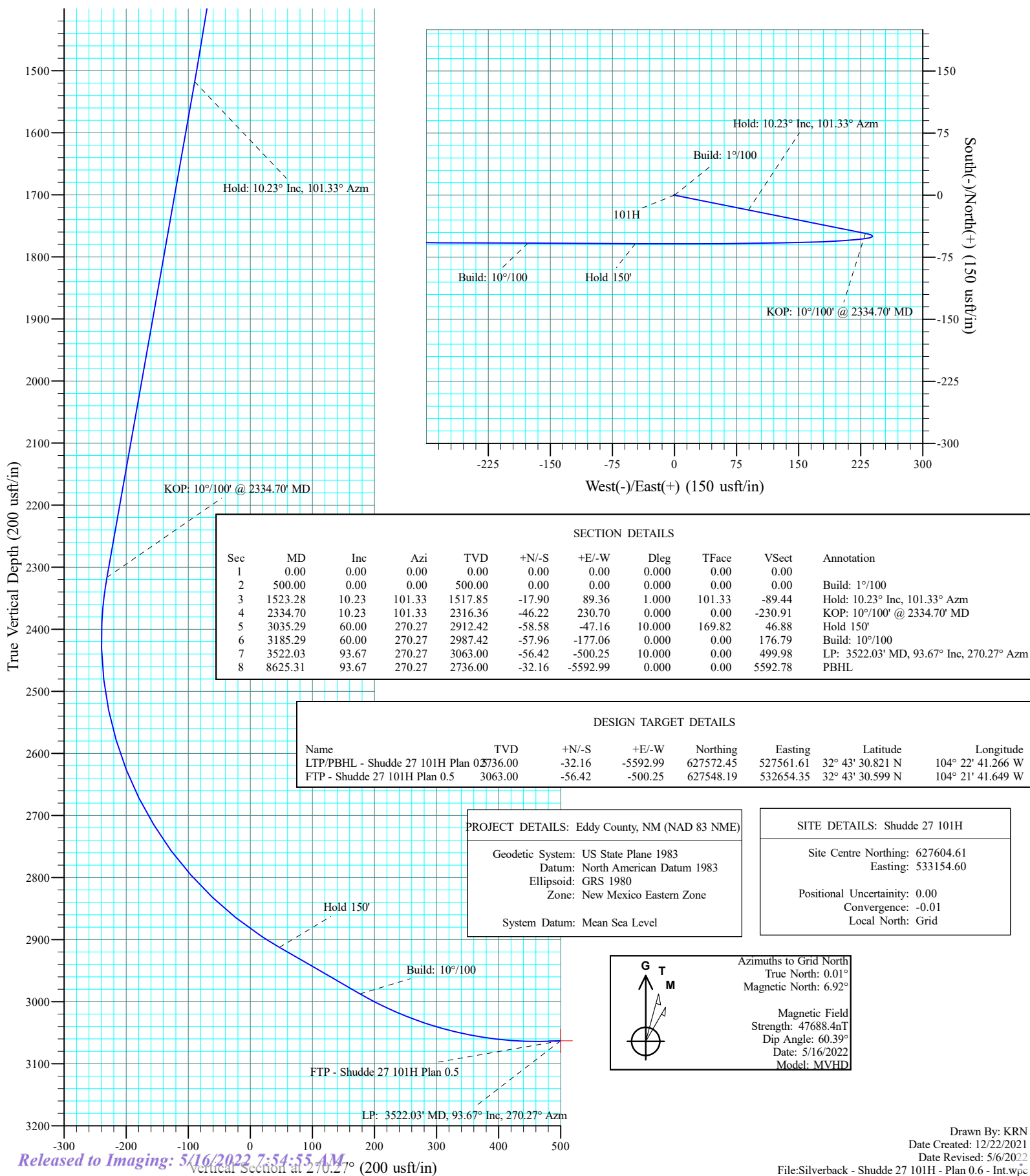


*John A. Vukovich* **5/9/22**

Certificate Number **14831**



Shudde 27 101H  
Eddy County, NM (NAD 83 NME)  
Job No. WT-22-095  
Plan 0.6





# Silverback Exploration

Shudde 27 101H  
Eddy County, NM (NAD 83 NME)  
Job No. WT-22-095  
Plan 0.6



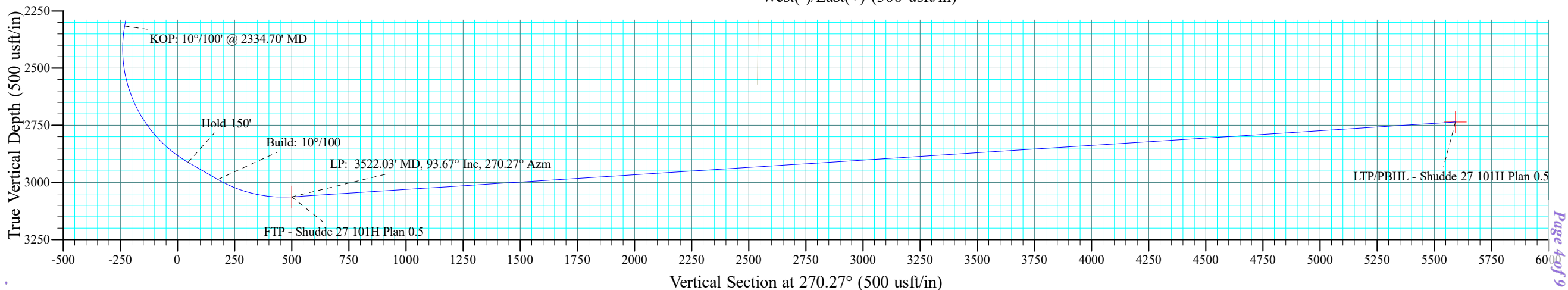
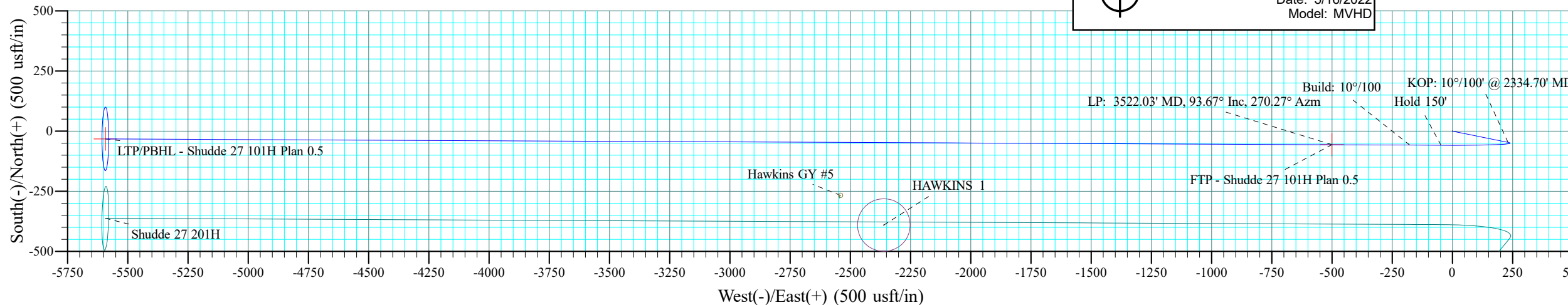
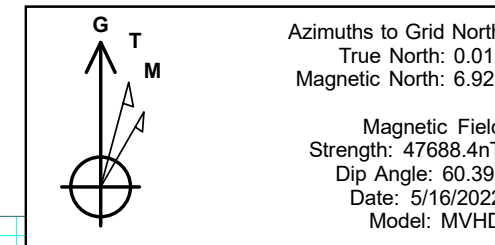
| SECTION DETAILS |         |       |        |         |        |          |        |        |         |                                                                                                                                                                  |
|-----------------|---------|-------|--------|---------|--------|----------|--------|--------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CC              | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W    | Dleg   | TFace  | VSect   | Target                                                                                                                                                           |
|                 | 0.00    | 0.00  | 0.00   | 0.00    | 0.00   | 0.00     | 0.000  | 0.00   | 0.00    |                                                                                                                                                                  |
|                 | 500.00  | 0.00  | 0.00   | 500.00  | 0.00   | 0.00     | 0.000  | 0.00   | 0.00    |                                                                                                                                                                  |
|                 | 1523.28 | 10.23 | 101.33 | 1517.85 | -17.90 | 89.36    | 1.000  | 101.33 | -89.44  |                                                                                                                                                                  |
|                 | 2334.70 | 10.23 | 101.33 | 2316.36 | -46.22 | 230.70   | 0.000  | 0.00   | -230.91 |                                                                                                                                                                  |
|                 | 3035.29 | 60.00 | 270.27 | 2912.42 | -58.58 | -47.16   | 10.000 | 169.82 | 46.88   |                                                                                                                                                                  |
|                 | 3185.29 | 60.00 | 270.27 | 2987.42 | -57.96 | -177.06  | 0.000  | 0.00   | 176.79  |                                                                                                                                                                  |
|                 | 3522.03 | 93.67 | 270.27 | 3063.00 | -56.42 | -500.25  | 10.000 | 0.00   | 499.98  | FTP - Shudde 27 101H Plan 0.5                                                                                                                                    |
|                 | 8625.31 | 93.67 | 270.27 | 2736.00 | -32.16 | -5592.99 | 0.000  | 0.00   | 5592.78 | LTP/PBHL - Shudde 27 101H Plan 0.5                                                                                                                               |
|                 |         |       |        |         |        |          |        |        |         | Build: 1°/100<br>Hold: 10.23° Inc, 101.33° Azm<br>KOP: 10°/100' @ 2334.70' MD<br>Hold 150'<br>Build: 10°/100<br>LP: 3522.03' MD, 93.67° Inc, 270.27° Azm<br>PBHL |

| SITE DETAILS: Shudde 27 101H |           |
|------------------------------|-----------|
| Site Centre Northing:        | 627604.61 |
| Easting:                     | 533154.60 |
| Positional Uncertainty:      | 0.00      |
| Convergence:                 | -0.01     |
| Local North:                 | Grid      |

| PROJECT DETAILS: Eddy County, NM (NAD 83 NME) |                           |
|-----------------------------------------------|---------------------------|
| Geodetic System:                              | US State Plane 1983       |
| Datum:                                        | North American Datum 1983 |
| Ellipsoid:                                    | GRS 1980                  |
| Zone:                                         | New Mexico Eastern Zone   |
| System Datum:                                 | Mean Sea Level            |

| DESIGN TARGET DETAILS              |         |        |          |           |           |                  |                   |  |
|------------------------------------|---------|--------|----------|-----------|-----------|------------------|-------------------|--|
| Name                               | TVD     | +N/-S  | +E/-W    | Northing  | Easting   | Latitude         | Longitude         |  |
| LTP/PBHL - Shudde 27 101H Plan 0.5 | 2736.00 | -32.16 | -5592.99 | 627572.45 | 527561.61 | 32° 43' 30.821 N | 104° 22' 41.266 W |  |
| FTP - Shudde 27 101H Plan 0.5      | 3063.00 | -56.42 | -500.25  | 627548.19 | 532654.35 | 32° 43' 30.599 N | 104° 21' 41.649 W |  |

Drawn By: KRN  
Date Created: 12/22/2021  
Date Revised: 5/6/2022  
File:Silverback - Shudde 27 101H -  
Plan 0.6.wpc





# Aim Directional Services, LLC

## Planning Report



|                  |                                 |                                     |                                |
|------------------|---------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | RTOC- EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 101H                      |
| <b>Company:</b>  | Silverback Exploration          | <b>TVD Reference:</b>               | Well @ 3337.75usft (18.75' KB) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)    | <b>MD Reference:</b>                | Well @ 3337.75usft (18.75' KB) |
| <b>Site:</b>     | Shudde 27 101H                  | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | 101H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Planning                        |                                     |                                |
| <b>Design:</b>   | Plan 0.6                        |                                     |                                |

|                    |                              |                      |                |
|--------------------|------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM (NAD 83 NME) |                      |                |
| <b>Map System:</b> | US State Plane 1983          | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983    |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone      |                      |                |

|                       |           |                |                 |                   |                   |
|-----------------------|-----------|----------------|-----------------|-------------------|-------------------|
| Site                  |           | Shudde 27 101H |                 |                   |                   |
| Site Position:        |           | Northing:      | 627,604.61 usft | Latitude:         | 32° 43' 31.158 N  |
| From:                 | Map       | Easting:       | 533,154.60 usft | Longitude:        | 104° 21' 35.793 W |
| Position Uncertainty: | 0.00 usft | Slot Radius:   | 13-3/16 "       | Grid Convergence: | -0.01 °           |

|                      |       |           |                     |                 |               |                   |
|----------------------|-------|-----------|---------------------|-----------------|---------------|-------------------|
| Well                 | 101H  |           |                     |                 |               |                   |
| Well Position        | +N/-S | 0.00 usft | Northing:           | 627,604.61 usft | Latitude:     | 32° 43' 31.158 N  |
|                      | +E/-W | 0.00 usft | Easting:            | 533,154.60 usft | Longitude:    | 104° 21' 35.793 W |
| Position Uncertainty |       | 0.00 usft | Wellhead Elevation: |                 | Ground Level: | 3,319.00 usft     |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Planning          |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | MVHD              | 5/16/2022          | 6.90                   | 60.39                | 47,688.421                 |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan 0.6                       |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                | 0.00                 | 270.27               |

|                                 |                        |                          |                     |                 |
|---------------------------------|------------------------|--------------------------|---------------------|-----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 5/5/2022                 |                     |                 |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>    | <b>Remarks</b>  |
| 1                               | 0.00                   | 8,625.31                 | Plan 0.6 (Planning) | MWD+HRGM        |
|                                 |                        |                          |                     | OWSG MWD + HRGM |

|                              |                        |                    |                              |                     |                     |                              |                             |                            |                |                           |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|------------------------------|-----------------------------|----------------------------|----------------|---------------------------|
| <b>Plan Sections</b>         |                        |                    |                              |                     |                     |                              |                             |                            |                |                           |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> | <b>TFO (°)</b> | <b>Target</b>             |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.000                        | 0.000                       | 0.000                      | 0.00           |                           |
| 500.00                       | 0.00                   | 0.00               | 500.00                       | 0.00                | 0.00                | 0.000                        | 0.000                       | 0.000                      | 0.00           |                           |
| 1,523.28                     | 10.23                  | 101.33             | 1,517.85                     | -17.90              | 89.36               | 1.000                        | 1.000                       | 0.000                      | 101.33         |                           |
| 2,334.70                     | 10.23                  | 101.33             | 2,316.36                     | -46.22              | 230.70              | 0.000                        | 0.000                       | 0.000                      | 0.00           |                           |
| 3,035.29                     | 60.00                  | 270.27             | 2,912.42                     | -58.58              | -47.16              | 10.000                       | 7.104                       | 24.115                     | 169.82         |                           |
| 3,185.29                     | 60.00                  | 270.27             | 2,987.42                     | -57.96              | -177.06             | 0.000                        | 0.000                       | 0.000                      | 0.00           |                           |
| 3,522.03                     | 93.67                  | 270.27             | 3,063.00                     | -56.42              | -500.25             | 10.000                       | 10.000                      | 0.000                      | 0.00           | FTP - Shudde 27 101H      |
| 8,625.31                     | 93.67                  | 270.27             | 2,736.00                     | -32.16              | -5,592.99           | 0.000                        | 0.000                       | 0.000                      | 0.00           | LTP/PBHL - Shudde 27 101H |



# Aim Directional Services, LLC

## Planning Report



|                  |                                 |                                     |                                |
|------------------|---------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | RTOC- EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 101H                      |
| <b>Company:</b>  | Silverback Exploration          | <b>TVD Reference:</b>               | Well @ 3337.75usft (18.75' KB) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)    | <b>MD Reference:</b>                | Well @ 3337.75usft (18.75' KB) |
| <b>Site:</b>     | Shudde 27 101H                  | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | 101H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Planning                        |                                     |                                |
| <b>Design:</b>   | Plan 0.6                        |                                     |                                |

| Planned Survey                       |                 |             |                       |              |              |                         |                       |                      |                     |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00                                 | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| 100.00                               | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| 200.00                               | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| 300.00                               | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| 400.00                               | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| 500.00                               | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.000                 | 0.000                | 0.000               |
| <b>Build: 1°/100</b>                 |                 |             |                       |              |              |                         |                       |                      |                     |
| 600.00                               | 1.00            | 101.33      | 599.99                | -0.17        | 0.86         | -0.86                   | 1.000                 | 1.000                | 0.000               |
| 700.00                               | 2.00            | 101.33      | 699.96                | -0.69        | 3.42         | -3.43                   | 1.000                 | 1.000                | 0.000               |
| 800.00                               | 3.00            | 101.33      | 799.86                | -1.54        | 7.70         | -7.71                   | 1.000                 | 1.000                | 0.000               |
| 900.00                               | 4.00            | 101.33      | 899.68                | -2.74        | 13.69        | -13.70                  | 1.000                 | 1.000                | 0.000               |
| 1,000.00                             | 5.00            | 101.33      | 999.37                | -4.28        | 21.38        | -21.40                  | 1.000                 | 1.000                | 0.000               |
| 1,100.00                             | 6.00            | 101.33      | 1,098.90              | -6.17        | 30.78        | -30.80                  | 1.000                 | 1.000                | 0.000               |
| 1,200.00                             | 7.00            | 101.33      | 1,198.26              | -8.39        | 41.88        | -41.91                  | 1.000                 | 1.000                | 0.000               |
| 1,300.00                             | 8.00            | 101.33      | 1,297.40              | -10.95       | 54.67        | -54.72                  | 1.000                 | 1.000                | 0.000               |
| 1,400.00                             | 9.00            | 101.33      | 1,396.30              | -13.86       | 69.17        | -69.23                  | 1.000                 | 1.000                | 0.000               |
| 1,500.00                             | 10.00           | 101.33      | 1,494.93              | -17.10       | 85.35        | -85.43                  | 1.000                 | 1.000                | 0.000               |
| 1,523.28                             | 10.23           | 101.33      | 1,517.85              | -17.90       | 89.36        | -89.44                  | 1.000                 | 1.000                | 0.000               |
| <b>Hold: 10.23° Inc, 101.33° Azm</b> |                 |             |                       |              |              |                         |                       |                      |                     |
| 1,600.00                             | 10.23           | 101.33      | 1,593.35              | -20.58       | 102.72       | -102.82                 | 0.000                 | 0.000                | 0.000               |
| 1,700.00                             | 10.23           | 101.33      | 1,691.76              | -24.07       | 120.14       | -120.25                 | 0.000                 | 0.000                | 0.000               |
| 1,800.00                             | 10.23           | 101.33      | 1,790.17              | -27.56       | 137.56       | -137.69                 | 0.000                 | 0.000                | 0.000               |
| 1,900.00                             | 10.23           | 101.33      | 1,888.58              | -31.05       | 154.98       | -155.12                 | 0.000                 | 0.000                | 0.000               |
| 2,000.00                             | 10.23           | 101.33      | 1,986.99              | -34.54       | 172.40       | -172.56                 | 0.000                 | 0.000                | 0.000               |
| 2,100.00                             | 10.23           | 101.33      | 2,085.40              | -38.03       | 189.82       | -189.99                 | 0.000                 | 0.000                | 0.000               |
| 2,200.00                             | 10.23           | 101.33      | 2,183.80              | -41.52       | 207.23       | -207.43                 | 0.000                 | 0.000                | 0.000               |
| 2,300.00                             | 10.23           | 101.33      | 2,282.21              | -45.01       | 224.65       | -224.86                 | 0.000                 | 0.000                | 0.000               |
| 2,334.70                             | 10.23           | 101.33      | 2,316.36              | -46.22       | 230.70       | -230.91                 | 0.000                 | 0.000                | 0.000               |
| <b>KOP: 10°/100' @ 2334.70' MD</b>   |                 |             |                       |              |              |                         |                       |                      |                     |
| 2,350.00                             | 8.73            | 103.11      | 2,331.45              | -46.75       | 233.16       | -233.38                 | 10.000                | -9.816               | 11.639              |
| 2,400.00                             | 3.97            | 118.18      | 2,381.13              | -48.43       | 238.39       | -238.61                 | 10.000                | -9.512               | 30.136              |
| 2,450.00                             | 2.31            | 220.29      | 2,431.09              | -50.02       | 239.26       | -239.50                 | 10.000                | -3.323               | 204.226             |
| 2,500.00                             | 6.70            | 255.81      | 2,480.93              | -51.50       | 235.78       | -236.02                 | 10.000                | 8.773                | 71.033              |
| 2,550.00                             | 11.59           | 262.51      | 2,530.28              | -52.88       | 227.97       | -228.21                 | 10.000                | 9.787                | 13.400              |
| 2,600.00                             | 16.55           | 265.25      | 2,578.76              | -54.12       | 215.88       | -216.13                 | 10.000                | 9.914                | 5.478               |
| 2,650.00                             | 21.53           | 266.75      | 2,626.01              | -55.23       | 199.62       | -199.87                 | 10.000                | 9.953                | 2.999               |
| 2,700.00                             | 26.51           | 267.70      | 2,671.67              | -56.20       | 179.29       | -179.56                 | 10.000                | 9.970                | 1.914               |
| 2,750.00                             | 31.50           | 268.37      | 2,715.38              | -57.02       | 155.07       | -155.34                 | 10.000                | 9.979                | 1.344               |
| 2,800.00                             | 36.49           | 268.88      | 2,756.82              | -57.68       | 127.13       | -127.40                 | 10.000                | 9.984                | 1.009               |
| 2,850.00                             | 41.49           | 269.28      | 2,795.67              | -58.18       | 95.69        | -95.96                  | 10.000                | 9.988                | 0.796               |
| 2,900.00                             | 46.48           | 269.60      | 2,831.64              | -58.52       | 60.97        | -61.25                  | 10.000                | 9.990                | 0.653               |
| 2,950.00                             | 51.48           | 269.88      | 2,864.45              | -58.68       | 23.26        | -23.54                  | 10.000                | 9.991                | 0.553               |
| 3,000.00                             | 56.47           | 270.12      | 2,893.84              | -58.68       | -17.16       | 16.89                   | 10.000                | 9.992                | 0.481               |
| 3,035.29                             | 60.00           | 270.27      | 2,912.42              | -58.58       | -47.16       | 46.88                   | 10.000                | 9.993                | 0.434               |
| <b>Hold 150'</b>                     |                 |             |                       |              |              |                         |                       |                      |                     |
| 3,100.00                             | 60.00           | 270.27      | 2,944.77              | -58.31       | -103.20      | 102.93                  | 0.000                 | 0.000                | 0.000               |
| 3,185.29                             | 60.00           | 270.27      | 2,987.42              | -57.96       | -177.06      | 176.79                  | 0.000                 | 0.000                | 0.000               |
| <b>Build: 10°/100</b>                |                 |             |                       |              |              |                         |                       |                      |                     |
| 3,200.00                             | 61.47           | 270.27      | 2,994.61              | -57.90       | -189.90      | 189.62                  | 10.000                | 10.000               | 0.000               |
| 3,250.00                             | 66.47           | 270.27      | 3,016.54              | -57.68       | -234.81      | 234.54                  | 10.000                | 10.000               | 0.000               |
| 3,300.00                             | 71.47           | 270.27      | 3,034.48              | -57.46       | -281.46      | 281.19                  | 10.000                | 10.000               | 0.000               |
| 3,350.00                             | 76.47           | 270.27      | 3,048.28              | -57.23       | -329.51      | 329.23                  | 10.000                | 10.000               | 0.000               |
| 3,400.00                             | 81.47           | 270.27      | 3,057.84              | -57.00       | -378.57      | 378.29                  | 10.000                | 10.000               | 0.000               |



# Aim Directional Services, LLC

## Planning Report



|                  |                                 |                                     |                                |
|------------------|---------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | RTOC- EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 101H                      |
| <b>Company:</b>  | Silverback Exploration          | <b>TVD Reference:</b>               | Well @ 3337.75usft (18.75' KB) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)    | <b>MD Reference:</b>                | Well @ 3337.75usft (18.75' KB) |
| <b>Site:</b>     | Shudde 27 101H                  | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | 101H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Planning                        |                                     |                                |
| <b>Design:</b>   | Plan 0.6                        |                                     |                                |

| Planned Survey                           |                 |             |                       |              |              |                         |                       |                      |                     |  |
|------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 3,450.00                                 | 86.47           | 270.27      | 3,063.09              | -56.76       | -428.27      | 428.00                  | 10.000                | 10.000               | 0.000               |  |
| 3,500.00                                 | 91.47           | 270.27      | 3,063.99              | -56.52       | -478.25      | 477.98                  | 10.000                | 10.000               | 0.000               |  |
| 3,522.03                                 | 93.67           | 270.27      | 3,063.00              | -56.42       | -500.25      | 499.98                  | 10.000                | 10.000               | 0.000               |  |
| LP: 3522.03' MD, 93.67° Inc, 270.27° Azm |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 3,600.00                                 | 93.67           | 270.27      | 3,058.00              | -56.05       | -578.06      | 577.79                  | 0.000                 | 0.000                | 0.000               |  |
| 3,700.00                                 | 93.67           | 270.27      | 3,051.60              | -55.57       | -677.86      | 677.59                  | 0.000                 | 0.000                | 0.000               |  |
| 3,800.00                                 | 93.67           | 270.27      | 3,045.19              | -55.10       | -777.65      | 777.38                  | 0.000                 | 0.000                | 0.000               |  |
| 3,900.00                                 | 93.67           | 270.27      | 3,038.78              | -54.62       | -877.44      | 877.18                  | 0.000                 | 0.000                | 0.000               |  |
| 4,000.00                                 | 93.67           | 270.27      | 3,032.37              | -54.15       | -977.24      | 976.97                  | 0.000                 | 0.000                | 0.000               |  |
| 4,100.00                                 | 93.67           | 270.27      | 3,025.97              | -53.67       | -1,077.03    | 1,076.77                | 0.000                 | 0.000                | 0.000               |  |
| 4,200.00                                 | 93.67           | 270.27      | 3,019.56              | -53.20       | -1,176.82    | 1,176.56                | 0.000                 | 0.000                | 0.000               |  |
| 4,300.00                                 | 93.67           | 270.27      | 3,013.15              | -52.72       | -1,276.62    | 1,276.35                | 0.000                 | 0.000                | 0.000               |  |
| 4,400.00                                 | 93.67           | 270.27      | 3,006.74              | -52.25       | -1,376.41    | 1,376.15                | 0.000                 | 0.000                | 0.000               |  |
| 4,500.00                                 | 93.67           | 270.27      | 3,000.34              | -51.77       | -1,476.20    | 1,475.94                | 0.000                 | 0.000                | 0.000               |  |
| 4,600.00                                 | 93.67           | 270.27      | 2,993.93              | -51.30       | -1,576.00    | 1,575.74                | 0.000                 | 0.000                | 0.000               |  |
| 4,700.00                                 | 93.67           | 270.27      | 2,987.52              | -50.82       | -1,675.79    | 1,675.53                | 0.000                 | 0.000                | 0.000               |  |
| 4,800.00                                 | 93.67           | 270.27      | 2,981.11              | -50.34       | -1,775.58    | 1,775.33                | 0.000                 | 0.000                | 0.000               |  |
| 4,900.00                                 | 93.67           | 270.27      | 2,974.70              | -49.87       | -1,875.38    | 1,875.12                | 0.000                 | 0.000                | 0.000               |  |
| 5,000.00                                 | 93.67           | 270.27      | 2,968.30              | -49.39       | -1,975.17    | 1,974.92                | 0.000                 | 0.000                | 0.000               |  |
| 5,100.00                                 | 93.67           | 270.27      | 2,961.89              | -48.92       | -2,074.96    | 2,074.71                | 0.000                 | 0.000                | 0.000               |  |
| 5,200.00                                 | 93.67           | 270.27      | 2,955.48              | -48.44       | -2,174.76    | 2,174.50                | 0.000                 | 0.000                | 0.000               |  |
| 5,300.00                                 | 93.67           | 270.27      | 2,949.07              | -47.97       | -2,274.55    | 2,274.30                | 0.000                 | 0.000                | 0.000               |  |
| 5,400.00                                 | 93.67           | 270.27      | 2,942.67              | -47.49       | -2,374.34    | 2,374.09                | 0.000                 | 0.000                | 0.000               |  |
| 5,500.00                                 | 93.67           | 270.27      | 2,936.26              | -47.02       | -2,474.14    | 2,473.89                | 0.000                 | 0.000                | 0.000               |  |
| 5,600.00                                 | 93.67           | 270.27      | 2,929.85              | -46.54       | -2,573.93    | 2,573.68                | 0.000                 | 0.000                | 0.000               |  |
| 5,700.00                                 | 93.67           | 270.27      | 2,923.44              | -46.07       | -2,673.72    | 2,673.48                | 0.000                 | 0.000                | 0.000               |  |
| 5,800.00                                 | 93.67           | 270.27      | 2,917.04              | -45.59       | -2,773.52    | 2,773.27                | 0.000                 | 0.000                | 0.000               |  |
| 5,900.00                                 | 93.67           | 270.27      | 2,910.63              | -45.12       | -2,873.31    | 2,873.07                | 0.000                 | 0.000                | 0.000               |  |
| 6,000.00                                 | 93.67           | 270.27      | 2,904.22              | -44.64       | -2,973.10    | 2,972.86                | 0.000                 | 0.000                | 0.000               |  |
| 6,100.00                                 | 93.67           | 270.27      | 2,897.81              | -44.16       | -3,072.90    | 3,072.66                | 0.000                 | 0.000                | 0.000               |  |
| 6,200.00                                 | 93.67           | 270.27      | 2,891.41              | -43.69       | -3,172.69    | 3,172.45                | 0.000                 | 0.000                | 0.000               |  |
| 6,300.00                                 | 93.67           | 270.27      | 2,885.00              | -43.21       | -3,272.48    | 3,272.24                | 0.000                 | 0.000                | 0.000               |  |
| 6,400.00                                 | 93.67           | 270.27      | 2,878.59              | -42.74       | -3,372.28    | 3,372.04                | 0.000                 | 0.000                | 0.000               |  |
| 6,500.00                                 | 93.67           | 270.27      | 2,872.18              | -42.26       | -3,472.07    | 3,471.83                | 0.000                 | 0.000                | 0.000               |  |
| 6,600.00                                 | 93.67           | 270.27      | 2,865.77              | -41.79       | -3,571.86    | 3,571.63                | 0.000                 | 0.000                | 0.000               |  |
| 6,700.00                                 | 93.67           | 270.27      | 2,859.37              | -41.31       | -3,671.66    | 3,671.42                | 0.000                 | 0.000                | 0.000               |  |
| 6,800.00                                 | 93.67           | 270.27      | 2,852.96              | -40.84       | -3,771.45    | 3,771.22                | 0.000                 | 0.000                | 0.000               |  |
| 6,900.00                                 | 93.67           | 270.27      | 2,846.55              | -40.36       | -3,871.24    | 3,871.01                | 0.000                 | 0.000                | 0.000               |  |
| 7,000.00                                 | 93.67           | 270.27      | 2,840.14              | -39.89       | -3,971.04    | 3,970.81                | 0.000                 | 0.000                | 0.000               |  |
| 7,100.00                                 | 93.67           | 270.27      | 2,833.74              | -39.41       | -4,070.83    | 4,070.60                | 0.000                 | 0.000                | 0.000               |  |
| 7,200.00                                 | 93.67           | 270.27      | 2,827.33              | -38.94       | -4,170.62    | 4,170.39                | 0.000                 | 0.000                | 0.000               |  |
| 7,300.00                                 | 93.67           | 270.27      | 2,820.92              | -38.46       | -4,270.42    | 4,270.19                | 0.000                 | 0.000                | 0.000               |  |
| 7,400.00                                 | 93.67           | 270.27      | 2,814.51              | -37.98       | -4,370.21    | 4,369.98                | 0.000                 | 0.000                | 0.000               |  |
| 7,500.00                                 | 93.67           | 270.27      | 2,808.11              | -37.51       | -4,470.00    | 4,469.78                | 0.000                 | 0.000                | 0.000               |  |
| 7,600.00                                 | 93.67           | 270.27      | 2,801.70              | -37.03       | -4,569.80    | 4,569.57                | 0.000                 | 0.000                | 0.000               |  |
| 7,700.00                                 | 93.67           | 270.27      | 2,795.29              | -36.56       | -4,669.59    | 4,669.37                | 0.000                 | 0.000                | 0.000               |  |
| 7,800.00                                 | 93.67           | 270.27      | 2,788.88              | -36.08       | -4,769.38    | 4,769.16                | 0.000                 | 0.000                | 0.000               |  |
| 7,900.00                                 | 93.67           | 270.27      | 2,782.48              | -35.61       | -4,869.18    | 4,868.96                | 0.000                 | 0.000                | 0.000               |  |
| 8,000.00                                 | 93.67           | 270.27      | 2,776.07              | -35.13       | -4,968.97    | 4,968.75                | 0.000                 | 0.000                | 0.000               |  |
| 8,100.00                                 | 93.67           | 270.27      | 2,769.66              | -34.66       | -5,068.77    | 5,068.55                | 0.000                 | 0.000                | 0.000               |  |
| 8,200.00                                 | 93.67           | 270.27      | 2,763.25              | -34.18       | -5,168.56    | 5,168.34                | 0.000                 | 0.000                | 0.000               |  |
| 8,300.00                                 | 93.67           | 270.27      | 2,756.84              | -33.71       | -5,268.35    | 5,268.13                | 0.000                 | 0.000                | 0.000               |  |
| 8,400.00                                 | 93.67           | 270.27      | 2,750.44              | -33.23       | -5,368.15    | 5,367.93                | 0.000                 | 0.000                | 0.000               |  |



# Aim Directional Services, LLC

## Planning Report



|                  |                                 |                                     |                                |
|------------------|---------------------------------|-------------------------------------|--------------------------------|
| <b>Database:</b> | RTOC- EDM 5000.1 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 101H                      |
| <b>Company:</b>  | Silverback Exploration          | <b>TVD Reference:</b>               | Well @ 3337.75usft (18.75' KB) |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)    | <b>MD Reference:</b>                | Well @ 3337.75usft (18.75' KB) |
| <b>Site:</b>     | Shudde 27 101H                  | <b>North Reference:</b>             | Grid                           |
| <b>Well:</b>     | 101H                            | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Wellbore:</b> | Planning                        |                                     |                                |
| <b>Design:</b>   | Plan 0.6                        |                                     |                                |

### Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| 8,500.00              | 93.67           | 270.27      | 2,744.03              | -32.76       | -5,467.94    | 5,467.72                | 0.000                 | 0.000                | 0.000               |
| 8,600.00              | 93.67           | 270.27      | 2,737.62              | -32.28       | -5,567.73    | 5,567.52                | 0.000                 | 0.000                | 0.000               |
| 8,625.31              | 93.67           | 270.27      | 2,736.00              | -32.16       | -5,592.99    | 5,592.78                | 0.000                 | 0.000                | 0.000               |
| PBHL                  |                 |             |                       |              |              |                         |                       |                      |                     |

### 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                   |               |              |            |              |              |                 |                |                  |                   |
| LTP/PBHL - Shudde 2       | 0.00          | 360.00       | 2,736.00   | -32.16       | -5,592.99    | 627,572.45      | 527,561.61     | 32° 43' 30.821 N | 104° 22' 41.266 W |
| - plan hits target center |               |              |            |              |              |                 |                |                  |                   |
| - Point                   |               |              |            |              |              |                 |                |                  |                   |
| FTP - Shudde 27 101H      | 0.00          | 360.00       | 3,063.00   | -56.42       | -500.25      | 627,548.19      | 532,654.35     | 32° 43' 30.599 N | 104° 21' 41.649 W |
| - plan hits target center |               |              |            |              |              |                 |                |                  |                   |
| - Point                   |               |              |            |              |              |                 |                |                  |                   |

### Casing Points

| Measured Depth (usft) | Vertical Depth (usft) | Name   | Casing Diameter (") | Hole Diameter (") |
|-----------------------|-----------------------|--------|---------------------|-------------------|
| 1,201.75              | 1,200.00              | Casing | 9-5/8               | 12-1/4            |

### Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                  |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                          |
| 500.00                | 500.00                | 0.00              | 0.00         | Build: 1°/100                            |
| 1,523.28              | 1,517.85              | -17.90            | 89.36        | Hold: 10.23° Inc, 101.33° Azm            |
| 2,334.70              | 2,316.36              | -46.22            | 230.70       | KOP: 10°/100' @ 2334.70' MD              |
| 3,035.29              | 2,912.42              | -58.58            | -47.16       | Hold 150'                                |
| 3,185.29              | 2,987.42              | -57.96            | -177.06      | Build: 10°/100                           |
| 3,522.03              | 3,063.00              | -56.42            | -500.25      | LP: 3522.03' MD, 93.67° Inc, 270.27° Azm |
| 8,625.31              | 2,736.00              | -32.16            | -5,592.99    | PBHL                                     |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 105655

CONDITIONS

|                                                                                            |                                                      |
|--------------------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>Silverback Operating II, LLC<br>IH10 West, Suite 201<br>San Antonio, TX 78257 | OGRID:<br>330968                                     |
|                                                                                            | Action Number:<br>105655                             |
|                                                                                            | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition                                       | Condition Date |
|------------|-------------------------------------------------|----------------|
| kpickford  | Adhere to previous NMOCD Conditions of Approval | 5/13/2022      |