



**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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

|                                                              |               |                                                      |              |                                                     |                                                    |                         |               |
|--------------------------------------------------------------|---------------|------------------------------------------------------|--------------|-----------------------------------------------------|----------------------------------------------------|-------------------------|---------------|
| <sup>1</sup> API Number<br>30-025-48744                      |               | <sup>2</sup> Pool Code<br>7500                       |              | <sup>3</sup> Pool Name<br>BRONCO; SAN ANDRES, SOUTH |                                                    |                         |               |
| <sup>4</sup> Property Code                                   |               | Property Name<br>BABINEAUX FEE                       |              |                                                     | <sup>6</sup> Well Number<br>2H                     |                         |               |
| <sup>7</sup> OGRID No.<br>371682                             |               | <sup>8</sup> Operator Name<br>STEWARD ENERGY II, LLC |              |                                                     | <sup>9</sup> Elevation<br>3802'                    |                         |               |
| <sup>10</sup> Surface Location                               |               |                                                      |              |                                                     |                                                    |                         |               |
| UL or lot no.<br>A                                           | Section<br>22 | Township<br>13S                                      | Range<br>38E | Lot Idn<br>341                                      | Feet from the<br>North/South line<br>NORTH<br>146  | East/West line<br>EAST  | County<br>LEA |
| <sup>11</sup> Bottom Hole Location If Different From Surface |               |                                                      |              |                                                     |                                                    |                         |               |
| UL or lot no.<br>A                                           | Section<br>15 | Township<br>13S                                      | Range<br>38E | Lot Idn<br>47                                       | Feet from the<br>North/South line<br>NORTH<br>1306 | East/West line<br>EAST  | County<br>LEA |
| <sup>12</sup> Dedicated Acres<br>320.0                       |               | <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.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>CORNER COORDINATES<br/>NAD 83, SPCS NM EAST</b><br/>A - X: 925931.71' / Y: 796968.63'<br/>B - X: 923298.37' / Y: 796935.38'<br/>C - X: 923230.68' / Y: 802188.34'<br/>D - X: 925863.78' / Y: 802219.85'</p>                                                                                                                                                                                                                                                                                                                                                                                | <p><b>CORNER COORDINATES<br/>NAD 27, SPCS NM EAST</b><br/>A - X: 884755.82' / Y: 796905.79'<br/>B - X: 882122.48' / Y: 796872.42'<br/>C - X: 882054.83' / Y: 802125.23'<br/>D - X: 884687.91' / Y: 802156.86'</p> | <p><b>BOTTOM HOLE LOCATION</b><br/>47' FNL 1306' FEL, SECTION 15<br/>11123' MEASURED DEPTH IN FEET<br/>NAD 83, SPCS NM EAST<br/>X: 924558.01' / Y: 802156.96'<br/>LAT: 33.19879047N / LON: 103.08055718W<br/>NAD 27, SPCS NM EAST<br/>X: 883382.15' / Y: 802093.91'<br/>LAT: 33.19868320N / LON: 103.08005795W</p> | <p><b>LAST TAKE POINT</b><br/>133' FNL 1306' FEL, SECTION 15<br/>11037' MEASURED DEPTH IN FEET<br/>NAD 83, SPCS NM EAST<br/>X: 924560.07' / Y: 802071.05'<br/>LAT: 33.19855434N / LON: 103.08055382W<br/>NAD 27, SPCS NM EAST<br/>X: 883384.21' / Y: 802008.00'<br/>LAT: 33.19844707N / LON: 103.08005460W</p> | <p><b>FIRST TAKE POINT</b><br/>105' FSL 1309' FEL, SECTION 15<br/>6020' MEASURED DEPTH IN FEET<br/>NAD 83, SPCS NM EAST<br/>X: 924621.76' / Y: 797057.10'<br/>LAT: 33.18477486N / LON: 103.08054839W<br/>NAD 27, SPCS NM EAST<br/>X: 883445.87' / Y: 796994.19'<br/>LAT: 33.18466756N / LON: 103.08004932W</p> | <p><b>SURFACE HOLE LOCATION</b><br/>341' FNL 146' FEL, SECTION 22<br/>NAD 83, SPCS NM EAST<br/>X: 925789.28' / Y: 796626.00'<br/>LAT: 33.18355181N / LON: 103.07674998W<br/>NAD 27, SPCS NM EAST<br/>X: 884613.40' / Y: 796563.16'<br/>LAT: 33.18344464N / LON: 103.07625101W</p> | <p><b>17 OPERATOR CERTIFICATION</b><br/>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.</p> <p>Signature: <i>[Signature]</i> Date: 7.29.21</p> <p>Printed Name: Ben Barton</p> <p>E-mail Address: ben.barton@stewardenergy.com</p> |
|  | <p><b>18 SURVEYOR CERTIFICATION</b><br/>I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.</p> <p>Date of Survey: JULY 29, 2021</p> <p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p> <p>Certificate Number: DAVID W. MYERS 11403</p> |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99990013 Convergence Angle: 00°41'16.54001"

☐ Horizontal Spacing Unit

May 25, 2021



**END OF WELL  
REPORT  
FOR**

**Steward Energy  
Babineaux Fee 2H  
Lea County, NM  
DM-2021-087-SED-T-NM**



**PLAN vs ACTUAL**

**SURVEYS**

**BOTTOM HOLE ASSEMBLIES**

## Steward Energy II, LLC

## DrilTech, LLC

Lea County, NM (NAD 83) NM East Zone  
Babineaux Fee 2H  
Babineaux Fee 2H  
Wellbore #1  
Plan #3

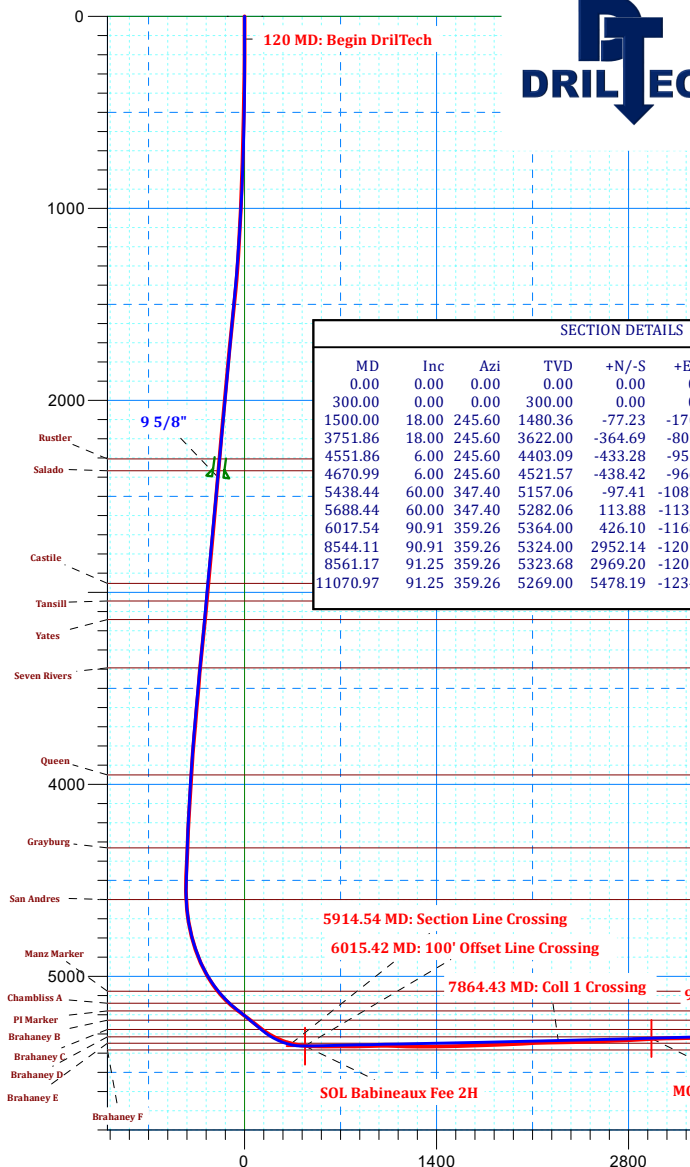


## SURFACE LOCATION

US State Plane 1983  
New Mexico Eastern Zone  
Elevation: GL 3802' + RKB 13' @ 3815.00ft  
Northing 796626.00 Easting 925789.29 Latitude 33.184 Longitude -103.077

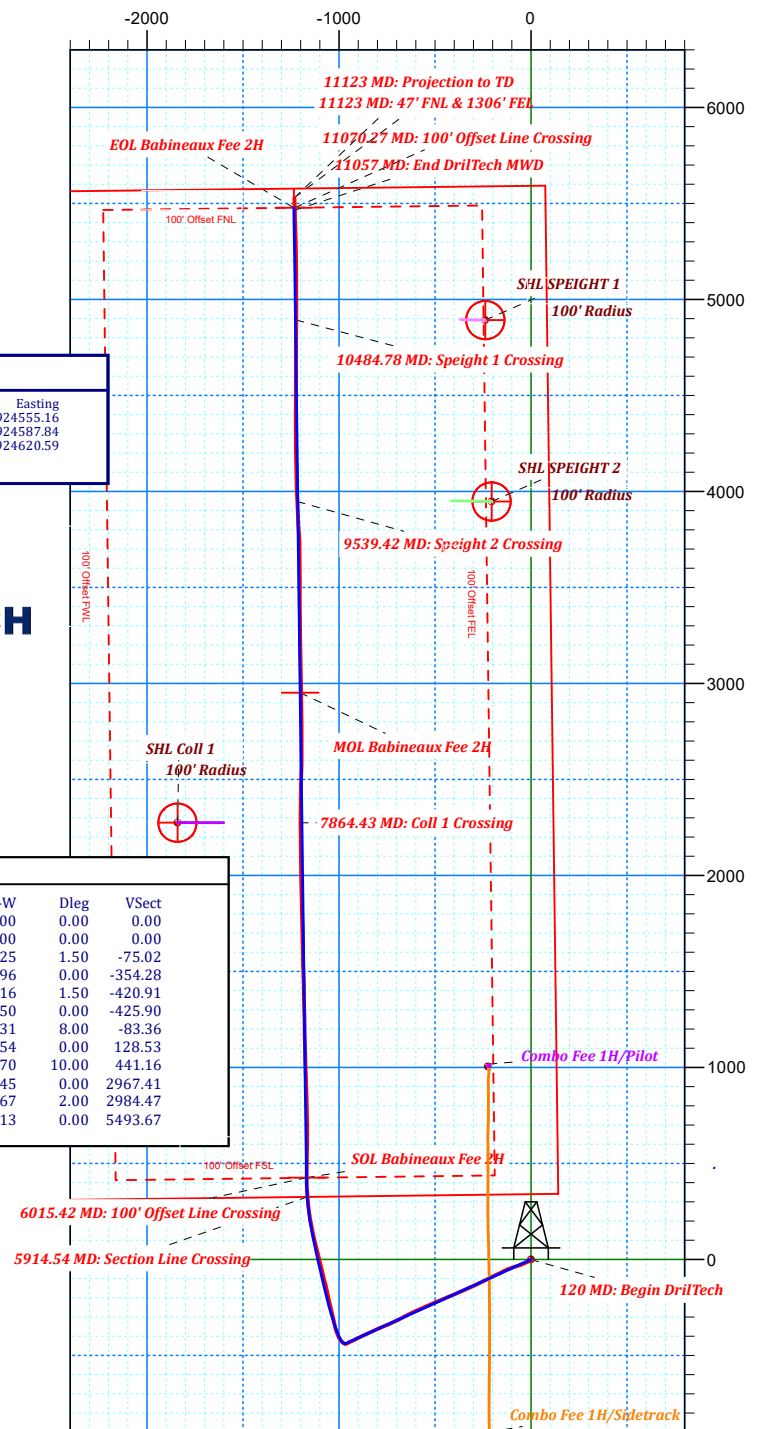
## WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                 | TVD     | +N/-S   | +E/-W    | Northing  | Easting   |
|----------------------|---------|---------|----------|-----------|-----------|
| EOL Babineaux Fee 2H | 5269.00 | 5478.19 | -1234.13 | 802104.18 | 924555.16 |
| MOL Babineaux Fee 2H | 5324.00 | 2952.14 | -1201.45 | 799578.13 | 924587.84 |
| SOL Babineaux Fee 2H | 5364.00 | 426.10  | -1168.70 | 797052.10 | 924620.59 |



## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W    | Dleg  | Vsect   |
|----------|-------|--------|---------|---------|----------|-------|---------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00     | 0.00  | 0.00    |
| 300.00   | 0.00  | 0.00   | 300.00  | 0.00    | 0.00     | 0.00  | 0.00    |
| 1500.00  | 18.00 | 245.60 | 1480.36 | -77.23  | -170.25  | 1.50  | -75.02  |
| 3751.86  | 18.00 | 245.60 | 3622.00 | -364.69 | -803.96  | 0.00  | -354.28 |
| 4551.86  | 6.00  | 245.60 | 4403.09 | -433.28 | -955.16  | 1.50  | -420.91 |
| 4670.99  | 6.00  | 245.60 | 4521.57 | -438.42 | -966.50  | 0.00  | -425.90 |
| 5438.44  | 60.00 | 347.40 | 5157.06 | -97.41  | -1087.31 | 8.00  | -83.36  |
| 5688.44  | 60.00 | 347.40 | 5282.06 | 113.88  | -1134.54 | 0.00  | 128.53  |
| 6017.54  | 90.91 | 359.26 | 5364.00 | 426.10  | -1168.70 | 10.00 | 441.16  |
| 8544.11  | 90.91 | 359.26 | 5324.00 | 2952.14 | -1201.45 | 0.00  | 2967.41 |
| 8561.17  | 91.25 | 359.26 | 5323.68 | 2969.20 | -1201.67 | 2.00  | 2984.47 |
| 11070.97 | 91.25 | 359.26 | 5269.00 | 5478.19 | -1234.13 | 0.00  | 5493.67 |



Vertical Section at 359.26° (1400 ft/in)

# **Steward Energy II, LLC**

**Lea County, NM (NAD 83) NM East Zone**

**Babineaux Fee 2H**

**Babineaux Fee 2H**

**Wellbore #1**

**Design: Wellbore #1**

## **Standard Survey Report**

**24 May, 2021**

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD 83) NM East Zone |                      |                |
| <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              |                      |                |

|                              |                  |                     |                 |
|------------------------------|------------------|---------------------|-----------------|
| <b>Site</b>                  | Babineaux Fee 2H |                     |                 |
| <b>Site Position:</b>        |                  | <b>Northing:</b>    | 796,626.00 usft |
| <b>From:</b>                 | Map              | <b>Easting:</b>     | 925,789.29 usft |
| <b>Position Uncertainty:</b> | 0.00 ft          | <b>Slot Radius:</b> | 13.200 in       |
|                              |                  | <b>Latitude:</b>    | 33.184          |
|                              |                  | <b>Longitude:</b>   | -103.077        |

|                             |                  |                            |                                  |
|-----------------------------|------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Babineaux Fee 2H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>     | 0.00 ft                    | <b>Northing:</b> 796,626.00 usft |
|                             | <b>+E/-W</b>     | 0.00 ft                    | <b>Easting:</b> 925,789.29 usft  |
| <b>Position Uncertainty</b> | 0.00 ft          | <b>Wellhead Elevation:</b> | ft                               |
| <b>Grid Convergence:</b>    | 0.69 °           | <b>Ground Level:</b>       | 3,802.00 ft                      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 5/14/2021          | 6.39                   | 60.84                | 48,116.12871163            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | Wellbore #1                  |                   |                   |                      |      |
| <b>Audit Notes:</b>      |                              |                   |                   |                      |      |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>     | ACTUAL            | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 359.26               |      |

|                       |                |                            |                  |                    |  |
|-----------------------|----------------|----------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 5/24/2021                  |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>   | <b>Tool Name</b> | <b>Description</b> |  |
| 120.00                | 11,123.00      | DrilTech MWD (Wellbore #1) | MWD              | MWD - Standard     |  |

|                               |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
|-------------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Survey</b>                 |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| <b>Measured Depth (ft)</b>    | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 0.00                          | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                         | 0.00                        | 0.00                       |  |
| 120.00                        | 0.35                   | 93.15              | 120.00                     | -0.02             | 0.37              | -0.02                        | 0.29                         | 0.29                        | 0.00                       |  |
| <b>120 MD: Begin DrilTech</b> |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| 215.00                        | 0.62                   | 114.86             | 215.00                     | -0.25             | 1.12              | -0.27                        | 0.34                         | 0.28                        | 22.85                      |  |
| 306.00                        | 1.23                   | 193.52             | 305.99                     | -1.41             | 1.34              | -1.43                        | 1.39                         | 0.67                        | 86.44                      |  |
| 398.00                        | 1.76                   | 228.59             | 397.96                     | -3.30             | 0.05              | -3.30                        | 1.12                         | 0.58                        | 38.12                      |  |
| 490.00                        | 2.73                   | 239.40             | 489.89                     | -5.35             | -2.90             | -5.32                        | 1.15                         | 1.05                        | 11.75                      |  |
| 581.00                        | 4.04                   | 245.20             | 580.72                     | -7.80             | -7.67             | -7.70                        | 1.49                         | 1.44                        | 6.37                       |  |
| 676.00                        | 5.98                   | 244.06             | 675.36                     | -11.37            | -15.16            | -11.17                       | 2.04                         | 2.04                        | -1.20                      |  |
| 771.00                        | 7.03                   | 246.43             | 769.74                     | -15.86            | -24.94            | -15.54                       | 1.14                         | 1.11                        | 2.49                       |  |

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 866.00              | 8.44            | 248.54      | 863.88              | -20.73     | -36.76     | -20.26                | 1.51                  | 1.48                 | 2.22                |
| 961.00              | 10.02           | 249.33      | 957.65              | -26.20     | -50.98     | -25.54                | 1.67                  | 1.66                 | 0.83                |
| 1,056.00            | 11.08           | 251.44      | 1,051.04            | -32.03     | -67.36     | -31.15                | 1.19                  | 1.12                 | 2.22                |
| 1,151.00            | 12.66           | 252.67      | 1,144.00            | -38.03     | -85.96     | -36.92                | 1.68                  | 1.66                 | 1.29                |
| 1,246.00            | 14.25           | 248.89      | 1,236.40            | -45.35     | -106.80    | -43.96                | 1.91                  | 1.67                 | -3.98               |
| 1,341.00            | 15.83           | 245.82      | 1,328.14            | -54.86     | -129.53    | -53.19                | 1.86                  | 1.66                 | -3.23               |
| 1,435.00            | 17.59           | 243.97      | 1,418.17            | -66.35     | -154.00    | -64.36                | 1.96                  | 1.87                 | -1.97               |
| 1,530.00            | 18.11           | 243.53      | 1,508.59            | -79.23     | -180.11    | -76.90                | 0.57                  | 0.55                 | -0.46               |
| 1,625.00            | 18.20           | 242.57      | 1,598.86            | -92.65     | -206.50    | -89.97                | 0.33                  | 0.09                 | -1.01               |
| 1,720.00            | 17.94           | 243.71      | 1,689.18            | -105.96    | -232.78    | -102.95               | 0.46                  | -0.27                | 1.20                |
| 1,816.00            | 18.47           | 244.50      | 1,780.37            | -119.06    | -259.76    | -115.69               | 0.61                  | 0.55                 | 0.82                |
| 1,908.00            | 18.03           | 247.14      | 1,867.75            | -130.86    | -286.04    | -127.16               | 1.02                  | -0.48                | 2.87                |
| 2,004.00            | 18.11           | 245.11      | 1,959.01            | -142.91    | -313.26    | -138.86               | 0.66                  | 0.08                 | -2.11               |
| 2,099.00            | 18.47           | 245.20      | 2,049.21            | -155.44    | -340.32    | -151.03               | 0.38                  | 0.38                 | 0.09                |
| 2,192.00            | 18.20           | 245.64      | 2,137.49            | -167.61    | -366.92    | -162.86               | 0.33                  | -0.29                | 0.47                |
| 2,287.00            | 17.50           | 247.05      | 2,227.92            | -179.30    | -393.59    | -174.20               | 0.87                  | -0.74                | 1.48                |
| 2,382.00            | 17.41           | 247.66      | 2,318.55            | -190.27    | -419.89    | -184.83               | 0.21                  | -0.09                | 0.64                |
| 2,424.00            | 17.41           | 246.70      | 2,358.62            | -195.14    | -431.47    | -189.56               | 0.68                  | 0.00                 | -2.29               |
| 2,528.00            | 17.15           | 246.61      | 2,457.93            | -207.39    | -459.83    | -201.43               | 0.25                  | -0.25                | -0.09               |
| 2,591.00            | 17.50           | 246.78      | 2,518.07            | -214.81    | -477.06    | -208.63               | 0.56                  | 0.56                 | 0.27                |
| 2,686.00            | 17.41           | 245.91      | 2,608.69            | -226.24    | -503.16    | -219.72               | 0.29                  | -0.09                | -0.92               |
| 2,780.00            | 18.38           | 250.30      | 2,698.15            | -236.98    | -529.96    | -230.11               | 1.77                  | 1.03                 | 4.67                |
| 2,875.00            | 18.38           | 245.55      | 2,788.31            | -248.23    | -557.69    | -241.00               | 1.58                  | 0.00                 | -5.00               |
| 2,969.00            | 18.64           | 247.40      | 2,877.45            | -260.13    | -585.05    | -252.55               | 0.68                  | 0.28                 | 1.97                |
| 3,064.00            | 18.64           | 243.62      | 2,967.47            | -272.71    | -612.67    | -264.78               | 1.27                  | 0.00                 | -3.98               |
| 3,158.00            | 17.85           | 241.16      | 3,056.74            | -286.34    | -638.75    | -278.06               | 1.17                  | -0.84                | -2.62               |
| 3,253.00            | 17.23           | 242.21      | 3,147.32            | -299.92    | -663.95    | -291.32               | 0.73                  | -0.65                | 1.11                |
| 3,349.00            | 16.62           | 243.80      | 3,239.17            | -312.61    | -688.85    | -303.69               | 0.80                  | -0.64                | 1.66                |
| 3,443.00            | 17.32           | 244.59      | 3,329.07            | -324.55    | -713.55    | -315.31               | 0.78                  | 0.74                 | 0.84                |
| 3,539.00            | 17.67           | 247.14      | 3,420.63            | -336.34    | -739.88    | -326.76               | 0.88                  | 0.36                 | 2.66                |
| 3,633.00            | 17.50           | 246.70      | 3,510.24            | -347.47    | -766.01    | -337.55               | 0.23                  | -0.18                | -0.47               |
| 3,727.00            | 17.32           | 248.28      | 3,599.94            | -358.24    | -791.99    | -347.98               | 0.54                  | -0.19                | 1.68                |
| 3,822.00            | 17.15           | 244.32      | 3,690.67            | -369.55    | -817.75    | -358.95               | 1.25                  | -0.18                | -4.17               |
| 3,917.00            | 15.56           | 243.80      | 3,781.83            | -381.24    | -841.81    | -370.34               | 1.68                  | -1.67                | -0.55               |
| 4,012.00            | 13.81           | 244.85      | 3,873.72            | -391.69    | -863.51    | -380.50               | 1.86                  | -1.84                | 1.11                |
| 4,106.00            | 12.05           | 244.59      | 3,965.33            | -400.67    | -882.53    | -389.24               | 1.87                  | -1.87                | -0.28               |
| 4,201.00            | 11.34           | 246.70      | 4,058.36            | -408.62    | -900.06    | -396.96               | 0.87                  | -0.75                | 2.22                |
| 4,296.00            | 10.29           | 243.09      | 4,151.67            | -416.15    | -916.21    | -404.28               | 1.31                  | -1.11                | -3.80               |
| 4,390.00            | 9.67            | 246.43      | 4,244.25            | -423.11    | -930.93    | -411.05               | 0.90                  | -0.66                | 3.55                |
| 4,485.00            | 8.00            | 242.57      | 4,338.12            | -429.34    | -944.11    | -417.11               | 1.86                  | -1.76                | -4.06               |
| 4,580.00            | 6.51            | 237.29      | 4,432.36            | -435.30    | -954.51    | -422.94               | 1.72                  | -1.57                | -5.56               |
| 4,612.00            | 6.33            | 238.61      | 4,464.16            | -437.20    | -957.54    | -424.80               | 0.73                  | -0.56                | 4.13                |
| 4,643.00            | 5.63            | 244.85      | 4,494.99            | -438.74    | -960.38    | -426.30               | 3.08                  | -2.26                | 20.13               |

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

| Survey                            |                 |             |                     |            |            |                       |                       |                      |                     |  |
|-----------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)               | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 4,675.00                          | 5.63            | 268.14      | 4,526.84            | -439.45    | -963.37    | -426.97               | 7.09                  | 0.00                 | 72.78               |  |
| 4,706.00                          | 6.42            | 285.28      | 4,557.67            | -439.05    | -966.56    | -426.53               | 6.31                  | 2.55                 | 55.29               |  |
| 4,738.00                          | 8.18            | 290.47      | 4,589.41            | -437.78    | -970.42    | -425.21               | 5.87                  | 5.50                 | 16.22               |  |
| 4,770.00                          | 9.76            | 298.99      | 4,621.02            | -435.67    | -974.92    | -423.04               | 6.44                  | 4.94                 | 26.63               |  |
| 4,802.00                          | 12.05           | 306.64      | 4,652.44            | -432.36    | -979.98    | -419.67               | 8.45                  | 7.16                 | 23.91               |  |
| 4,833.00                          | 13.81           | 316.83      | 4,682.66            | -427.73    | -985.11    | -414.97               | 9.27                  | 5.68                 | 32.87               |  |
| 4,865.00                          | 15.56           | 323.78      | 4,713.61            | -421.48    | -990.26    | -408.66               | 7.75                  | 5.47                 | 21.72               |  |
| 4,896.00                          | 17.67           | 327.38      | 4,743.32            | -414.16    | -995.25    | -401.27               | 7.57                  | 6.81                 | 11.61               |  |
| 4,928.00                          | 19.87           | 332.30      | 4,773.62            | -405.25    | -1,000.40  | -392.30               | 8.46                  | 6.88                 | 15.38               |  |
| 4,960.00                          | 21.98           | 335.64      | 4,803.50            | -394.98    | -1,005.40  | -381.96               | 7.57                  | 6.59                 | 10.44               |  |
| 4,991.00                          | 24.45           | 338.54      | 4,831.99            | -383.72    | -1,010.14  | -370.65               | 8.78                  | 7.97                 | 9.35                |  |
| 5,023.00                          | 26.56           | 343.29      | 4,860.88            | -370.71    | -1,014.62  | -357.57               | 9.18                  | 6.59                 | 14.84               |  |
| 5,054.00                          | 28.58           | 346.63      | 4,888.36            | -356.85    | -1,018.33  | -343.67               | 8.20                  | 6.52                 | 10.77               |  |
| 5,086.00                          | 31.22           | 347.77      | 4,916.10            | -341.30    | -1,021.85  | -328.07               | 8.44                  | 8.25                 | 3.56                |  |
| 5,117.00                          | 33.77           | 347.24      | 4,942.24            | -325.04    | -1,025.46  | -311.77               | 8.28                  | 8.23                 | -1.71               |  |
| 5,149.00                          | 36.32           | 346.72      | 4,968.44            | -307.14    | -1,029.60  | -293.82               | 8.02                  | 7.97                 | -1.63               |  |
| 5,181.00                          | 39.31           | 347.33      | 4,993.71            | -288.02    | -1,034.00  | -274.64               | 9.42                  | 9.34                 | 1.91                |  |
| 5,211.00                          | 41.50           | 346.89      | 5,016.56            | -269.07    | -1,038.34  | -255.64               | 7.36                  | 7.30                 | -1.47               |  |
| 5,243.00                          | 44.05           | 347.33      | 5,040.04            | -247.89    | -1,043.19  | -234.39               | 8.02                  | 7.97                 | 1.38                |  |
| 5,274.00                          | 46.69           | 347.33      | 5,061.82            | -226.36    | -1,048.02  | -212.81               | 8.52                  | 8.52                 | 0.00                |  |
| 5,306.00                          | 49.24           | 347.42      | 5,083.24            | -203.17    | -1,053.22  | -189.55               | 7.97                  | 7.97                 | 0.28                |  |
| 5,337.00                          | 51.62           | 346.72      | 5,102.99            | -179.88    | -1,058.57  | -166.20               | 7.87                  | 7.68                 | -2.26               |  |
| 5,369.00                          | 54.61           | 346.45      | 5,122.20            | -154.99    | -1,064.51  | -141.23               | 9.37                  | 9.34                 | -0.84               |  |
| 5,402.00                          | 57.86           | 346.19      | 5,140.53            | -128.34    | -1,070.99  | -114.50               | 9.87                  | 9.85                 | -0.79               |  |
| 5,433.00                          | 60.67           | 346.28      | 5,156.38            | -102.46    | -1,077.33  | -88.54                | 9.07                  | 9.06                 | 0.29                |  |
| 5,464.00                          | 61.29           | 346.19      | 5,171.41            | -76.13     | -1,083.78  | -62.13                | 2.02                  | 2.00                 | -0.29               |  |
| 5,496.00                          | 61.55           | 346.36      | 5,186.72            | -48.83     | -1,090.45  | -34.75                | 0.94                  | 0.81                 | 0.53                |  |
| 5,527.00                          | 61.55           | 346.36      | 5,201.49            | -22.35     | -1,096.88  | -8.18                 | 0.00                  | 0.00                 | 0.00                |  |
| 5,559.00                          | 61.64           | 346.54      | 5,216.71            | 5.02       | -1,103.47  | 19.27                 | 0.57                  | 0.28                 | 0.56                |  |
| 5,591.00                          | 61.47           | 346.28      | 5,231.95            | 32.37      | -1,110.08  | 46.70                 | 0.89                  | -0.53                | -0.81               |  |
| 5,622.00                          | 61.38           | 346.36      | 5,246.78            | 58.82      | -1,116.52  | 73.23                 | 0.37                  | -0.29                | 0.26                |  |
| 5,654.00                          | 61.55           | 346.28      | 5,262.07            | 86.13      | -1,123.17  | 100.63                | 0.57                  | 0.53                 | -0.25               |  |
| 5,685.00                          | 61.99           | 346.45      | 5,276.73            | 112.68     | -1,129.61  | 127.26                | 1.50                  | 1.42                 | 0.55                |  |
| 5,717.00                          | 64.46           | 347.59      | 5,291.15            | 140.51     | -1,136.02  | 155.17                | 8.35                  | 7.72                 | 3.56                |  |
| 5,747.00                          | 67.62           | 348.56      | 5,303.33            | 167.33     | -1,141.68  | 182.06                | 10.94                 | 10.53                | 3.23                |  |
| 5,779.00                          | 70.08           | 349.97      | 5,314.87            | 196.65     | -1,147.24  | 211.45                | 8.72                  | 7.69                 | 4.41                |  |
| 5,811.00                          | 71.75           | 350.85      | 5,325.34            | 226.47     | -1,152.28  | 241.33                | 5.83                  | 5.22                 | 2.75                |  |
| 5,842.00                          | 74.22           | 352.69      | 5,334.41            | 255.80     | -1,156.52  | 270.72                | 9.78                  | 7.97                 | 5.94                |  |
| 5,873.00                          | 76.85           | 354.36      | 5,342.15            | 285.63     | -1,159.90  | 300.58                | 9.96                  | 8.48                 | 5.39                |  |
| 5,905.00                          | 78.96           | 355.42      | 5,348.86            | 316.79     | -1,162.68  | 331.78                | 7.35                  | 6.59                 | 3.31                |  |
| 5,914.54                          | 79.64           | 355.66      | 5,350.63            | 326.14     | -1,163.41  | 341.13                | 7.53                  | 7.09                 | 2.56                |  |
| 5914.54 MD: Section Line Crossing |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,936.00                          | 81.16           | 356.21      | 5,354.21            | 347.24     | -1,164.91  | 362.26                | 7.53                  | 7.10                 | 2.54                |  |
| 5,968.00                          | 83.27           | 357.53      | 5,358.54            | 378.90     | -1,166.64  | 393.93                | 7.76                  | 6.59                 | 4.13                |  |

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

| Survey                                       |                 |             |                     |            |            |                       |                       |                      |                     |
|----------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                          | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 6,000.00                                     | 85.30           | 359.46      | 5,361.73            | 410.72     | -1,167.48  | 425.77                | 8.73                  | 6.34                 | 6.03                |
| 6,015.42                                     | 86.34           | 359.87      | 5,362.85            | 426.10     | -1,167.57  | 441.15                | 7.23                  | 6.73                 | 2.64                |
| <b>6015.42 MD: 100' Offset Line Crossing</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,030.00                                     | 87.32           | 0.25        | 5,363.66            | 440.66     | -1,167.55  | 455.70                | 7.23                  | 6.73                 | 2.63                |
| 6,062.00                                     | 88.02           | 1.31        | 5,364.96            | 472.63     | -1,167.12  | 487.66                | 3.97                  | 2.19                 | 3.31                |
| 6,093.00                                     | 89.34           | 0.87        | 5,365.67            | 503.61     | -1,166.53  | 518.64                | 4.49                  | 4.26                 | -1.42               |
| 6,125.00                                     | 90.31           | 0.78        | 5,365.77            | 535.61     | -1,166.07  | 550.63                | 3.04                  | 3.03                 | -0.28               |
| 6,188.00                                     | 90.22           | 0.95        | 5,365.48            | 598.60     | -1,165.12  | 613.60                | 0.31                  | -0.14                | 0.27                |
| 6,283.00                                     | 90.04           | 359.37      | 5,365.27            | 693.60     | -1,164.85  | 708.59                | 1.67                  | -0.19                | -1.66               |
| 6,378.00                                     | 90.13           | 357.79      | 5,365.12            | 788.57     | -1,167.20  | 803.58                | 1.67                  | 0.09                 | -1.66               |
| 6,472.00                                     | 91.01           | 358.23      | 5,364.19            | 882.50     | -1,170.47  | 897.55                | 1.05                  | 0.94                 | 0.47                |
| 6,567.00                                     | 90.48           | 358.67      | 5,362.95            | 977.46     | -1,173.04  | 992.53                | 0.73                  | -0.56                | 0.46                |
| 6,662.00                                     | 88.90           | 358.49      | 5,363.47            | 1,072.43   | -1,175.39  | 1,087.52              | 1.67                  | -1.66                | -0.19               |
| 6,754.00                                     | 88.81           | 359.20      | 5,365.31            | 1,164.39   | -1,177.25  | 1,179.50              | 0.78                  | -0.10                | 0.77                |
| 6,845.00                                     | 89.52           | 358.05      | 5,366.63            | 1,255.35   | -1,179.43  | 1,270.48              | 1.49                  | 0.78                 | -1.26               |
| 6,937.00                                     | 90.40           | 358.84      | 5,366.70            | 1,347.32   | -1,181.93  | 1,362.47              | 1.29                  | 0.96                 | 0.86                |
| 7,029.00                                     | 91.28           | 358.93      | 5,365.35            | 1,439.29   | -1,183.72  | 1,454.46              | 0.96                  | 0.96                 | 0.10                |
| 7,120.00                                     | 90.75           | 357.97      | 5,363.74            | 1,530.24   | -1,186.18  | 1,545.43              | 1.20                  | -0.58                | -1.05               |
| 7,212.00                                     | 91.19           | 358.93      | 5,362.18            | 1,622.19   | -1,188.67  | 1,637.41              | 1.15                  | 0.48                 | 1.04                |
| 7,303.00                                     | 91.89           | 358.84      | 5,359.73            | 1,713.14   | -1,190.44  | 1,728.37              | 0.78                  | 0.77                 | -0.10               |
| 7,395.00                                     | 90.92           | 359.11      | 5,357.48            | 1,805.10   | -1,192.08  | 1,820.34              | 1.09                  | -1.05                | 0.29                |
| 7,486.00                                     | 91.19           | 358.67      | 5,355.80            | 1,896.06   | -1,193.84  | 1,911.32              | 0.57                  | 0.30                 | -0.48               |
| 7,600.00                                     | 92.86           | 358.58      | 5,351.77            | 2,009.96   | -1,196.58  | 2,025.24              | 1.47                  | 1.46                 | -0.08               |
| 7,695.00                                     | 92.15           | 358.84      | 5,347.62            | 2,104.84   | -1,198.71  | 2,120.15              | 0.80                  | -0.75                | 0.27                |
| 7,789.00                                     | 90.84           | 359.20      | 5,345.17            | 2,198.79   | -1,200.32  | 2,214.11              | 1.45                  | -1.39                | 0.38                |
| 7,864.43                                     | 90.20           | 0.60        | 5,344.49            | 2,274.22   | -1,200.45  | 2,289.53              | 2.05                  | -0.85                | 1.86                |
| <b>7864.43 MD: Coll 1 Crossing</b>           |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,883.00                                     | 90.04           | 0.95        | 5,344.45            | 2,292.78   | -1,200.20  | 2,308.09              | 2.05                  | -0.85                | 1.86                |
| 7,978.00                                     | 90.75           | 1.13        | 5,343.79            | 2,387.77   | -1,198.47  | 2,403.05              | 0.77                  | 0.75                 | 0.19                |
| 8,073.00                                     | 91.45           | 1.66        | 5,341.97            | 2,482.72   | -1,196.16  | 2,497.96              | 0.92                  | 0.74                 | 0.56                |
| 8,168.00                                     | 91.54           | 0.69        | 5,339.49            | 2,577.67   | -1,194.21  | 2,592.87              | 1.03                  | 0.09                 | -1.02               |
| 8,262.00                                     | 91.89           | 359.55      | 5,336.68            | 2,671.62   | -1,194.02  | 2,686.82              | 1.27                  | 0.37                 | -1.21               |
| 8,357.00                                     | 91.89           | 359.37      | 5,333.54            | 2,766.57   | -1,194.91  | 2,781.77              | 0.19                  | 0.00                 | -0.19               |
| 8,451.00                                     | 92.33           | 359.64      | 5,330.08            | 2,860.50   | -1,195.72  | 2,875.70              | 0.55                  | 0.47                 | 0.29                |
| 8,546.00                                     | 91.80           | 359.46      | 5,326.66            | 2,955.43   | -1,196.47  | 2,970.64              | 0.59                  | -0.56                | -0.19               |
| 8,642.00                                     | 90.40           | 358.49      | 5,324.82            | 3,051.40   | -1,198.19  | 3,066.62              | 1.77                  | -1.46                | -1.01               |
| 8,737.00                                     | 90.84           | 358.49      | 5,323.79            | 3,146.36   | -1,200.69  | 3,161.60              | 0.46                  | 0.46                 | 0.00                |
| 8,832.00                                     | 91.63           | 359.99      | 5,321.74            | 3,241.32   | -1,201.95  | 3,256.58              | 1.78                  | 0.83                 | 1.58                |
| 8,925.00                                     | 91.54           | 359.46      | 5,319.17            | 3,334.29   | -1,202.40  | 3,349.54              | 0.58                  | -0.10                | -0.57               |
| 9,021.00                                     | 92.24           | 359.81      | 5,316.00            | 3,430.23   | -1,203.01  | 3,445.48              | 0.82                  | 0.73                 | 0.36                |
| 9,115.00                                     | 91.01           | 359.20      | 5,313.34            | 3,524.19   | -1,203.82  | 3,539.44              | 1.46                  | -1.31                | -0.65               |
| 9,210.00                                     | 91.63           | 359.90      | 5,311.15            | 3,619.16   | -1,204.56  | 3,634.42              | 0.98                  | 0.65                 | 0.74                |
| 9,304.00                                     | 91.36           | 359.02      | 5,308.70            | 3,713.12   | -1,205.45  | 3,728.38              | 0.98                  | -0.29                | -0.94               |

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

| Survey                                                                |                 |             |                     |            |            |                       |                       |                      |                     |  |
|-----------------------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)                                                   | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 9,399.00                                                              | 89.87           | 356.38      | 5,307.68            | 3,808.03   | -1,209.26  | 3,823.33              | 3.19                  | -1.57                | -2.78               |  |
| 9,494.00                                                              | 90.84           | 357.53      | 5,307.09            | 3,902.89   | -1,214.31  | 3,918.25              | 1.58                  | 1.02                 | 1.21                |  |
| 9,539.42                                                              | 91.09           | 357.70      | 5,306.32            | 3,948.27   | -1,216.20  | 3,963.64              | 0.67                  | 0.55                 | 0.37                |  |
| <b>9539.42 MD: Speight 2 Crossing</b>                                 |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 9,588.00                                                              | 91.36           | 357.88      | 5,305.28            | 3,996.80   | -1,218.07  | 4,012.20              | 0.67                  | 0.55                 | 0.37                |  |
| 9,683.00                                                              | 91.71           | 357.79      | 5,302.74            | 4,091.70   | -1,221.66  | 4,107.13              | 0.38                  | 0.37                 | -0.09               |  |
| 9,776.00                                                              | 92.33           | 359.46      | 5,299.46            | 4,184.61   | -1,223.89  | 4,200.07              | 1.91                  | 0.67                 | 1.80                |  |
| 9,871.00                                                              | 92.86           | 359.72      | 5,295.16            | 4,279.51   | -1,224.57  | 4,294.97              | 0.62                  | 0.56                 | 0.27                |  |
| 9,966.00                                                              | 92.15           | 359.72      | 5,291.01            | 4,374.41   | -1,225.03  | 4,389.87              | 0.75                  | -0.75                | 0.00                |  |
| 10,060.00                                                             | 91.36           | 0.25        | 5,288.13            | 4,468.37   | -1,225.06  | 4,483.82              | 1.01                  | -0.84                | 0.56                |  |
| 10,155.00                                                             | 90.13           | 0.60        | 5,286.89            | 4,563.36   | -1,224.35  | 4,578.79              | 1.35                  | -1.29                | 0.37                |  |
| 10,250.00                                                             | 90.84           | 0.87        | 5,286.09            | 4,658.35   | -1,223.13  | 4,673.75              | 0.80                  | 0.75                 | 0.28                |  |
| 10,345.00                                                             | 90.75           | 359.99      | 5,284.77            | 4,753.33   | -1,222.42  | 4,768.72              | 0.93                  | -0.09                | -0.93               |  |
| 10,440.00                                                             | 91.80           | 0.43        | 5,282.66            | 4,848.31   | -1,222.07  | 4,863.69              | 1.20                  | 1.11                 | 0.46                |  |
| 10,484.78                                                             | 91.30           | 0.39        | 5,281.44            | 4,893.07   | -1,221.75  | 4,908.44              | 1.12                  | -1.12                | -0.10               |  |
| <b>10484.78 MD: Speight 1 Crossing</b>                                |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 10,534.00                                                             | 90.75           | 0.34        | 5,280.56            | 4,942.28   | -1,221.44  | 4,957.64              | 1.12                  | -1.12                | -0.10               |  |
| 10,629.00                                                             | 91.01           | 0.16        | 5,279.11            | 5,037.27   | -1,221.03  | 5,052.62              | 0.33                  | 0.27                 | -0.19               |  |
| 10,723.00                                                             | 90.66           | 359.11      | 5,277.74            | 5,131.25   | -1,221.63  | 5,146.60              | 1.18                  | -0.37                | -1.12               |  |
| 10,817.00                                                             | 91.98           | 358.76      | 5,275.57            | 5,225.21   | -1,223.37  | 5,240.58              | 1.45                  | 1.40                 | -0.37               |  |
| 10,912.00                                                             | 91.19           | 358.41      | 5,272.94            | 5,320.14   | -1,225.72  | 5,335.53              | 0.91                  | -0.83                | -0.37               |  |
| 11,007.00                                                             | 91.63           | 358.32      | 5,270.60            | 5,415.08   | -1,228.43  | 5,430.49              | 0.47                  | 0.46                 | -0.09               |  |
| 11,057.00                                                             | 92.24           | 358.67      | 5,268.92            | 5,465.03   | -1,229.74  | 5,480.46              | 1.41                  | 1.22                 | 0.70                |  |
| <b>11057 MD: End DrillTech MWD</b>                                    |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 11,070.27                                                             | 92.24           | 358.67      | 5,268.40            | 5,478.29   | -1,230.05  | 5,493.72              | 0.00                  | 0.00                 | 0.00                |  |
| <b>11070.27 MD: 100' Offset Line Crossing</b>                         |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 11,123.00                                                             | 92.24           | 358.67      | 5,266.34            | 5,530.96   | -1,231.27  | 5,546.40              | 0.00                  | 0.00                 | 0.00                |  |
| <b>11123 MD: Projection to TD - 11123 MD: 47' FNL &amp; 1306' FEL</b> |                 |             |                     |            |            |                       |                       |                      |                     |  |

| Design Annotations  |                     |                   |            |                                        |  |
|---------------------|---------------------|-------------------|------------|----------------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                                        |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) | Comment                                |  |
| 120.00              | 120.00              | -0.02             | 0.37       | 120 MD: Begin DrillTech                |  |
| 5,914.54            | 5,350.63            | 326.14            | -1,163.41  | 5914.54 MD: Section Line Crossing      |  |
| 6,015.42            | 5,362.85            | 426.10            | -1,167.57  | 6015.42 MD: 100' Offset Line Crossing  |  |
| 7,864.43            | 5,344.49            | 2,274.22          | -1,200.45  | 7864.43 MD: Coll 1 Crossing            |  |
| 9,539.42            | 5,306.32            | 3,948.27          | -1,216.20  | 9539.42 MD: Speight 2 Crossing         |  |
| 10,484.78           | 5,281.44            | 4,893.07          | -1,221.75  | 10484.78 MD: Speight 1 Crossing        |  |
| 11,057.00           | 5,268.92            | 5,465.03          | -1,229.74  | 11057 MD: End DrillTech MWD            |  |
| 11,070.27           | 5,268.40            | 5,478.29          | -1,230.05  | 11070.27 MD: 100' Offset Line Crossing |  |
| 11,123.00           | 5,266.34            | 5,530.96          | -1,231.27  | 11123 MD: Projection to TD             |  |
| 11,123.00           | 5,266.34            | 5,530.96          | -1,231.27  | 11123 MD: 47' FNL & 1306' FEL          |  |

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Steward Energy II, LLC               | <b>Local Co-ordinate Reference:</b> | Well Babineaux Fee 2H          |
| <b>Project:</b>  | Lea County, NM (NAD 83) NM East Zone | <b>TVD Reference:</b>               | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Site:</b>     | Babineaux Fee 2H                     | <b>MD Reference:</b>                | GL 3802' + RKB 13' @ 3815.00ft |
| <b>Well:</b>     | Babineaux Fee 2H                     | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | Wellbore #1                          | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Wellbore #1                          | <b>Database:</b>                    | EDM                            |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**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**

ACKNOWLEDGMENTS

Action 40516

**ACKNOWLEDGMENTS**

|                                                                                |                                                    |
|--------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>STEWARD ENERGY II, LLC<br>2600 Dallas Parkway<br>Frisco, TX 75034 | OGRID:<br>371682                                   |
|                                                                                | Action Number:<br>40516                            |
|                                                                                | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.     |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

ACKNOWLEDGMENTS

Action 45211

**ACKNOWLEDGMENTS**

|                                                                                |                                                         |
|--------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>STEWARD ENERGY II, LLC<br>2600 Dallas Parkway<br>Frisco, TX 75034 | OGRID:<br>371682                                        |
|                                                                                | Action Number:<br>45211                                 |
|                                                                                | Action Type:<br>[C-104] Transport Authorization (C-104) |

**ACKNOWLEDGMENTS**

|                                     |                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.     |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

CONDITIONS  
  
Action 45211

CONDITIONS

|                                                                                |                                                         |
|--------------------------------------------------------------------------------|---------------------------------------------------------|
| Operator:<br>STEWARD ENERGY II, LLC<br>2600 Dallas Parkway<br>Frisco, TX 75034 | OGRID:<br>371682                                        |
|                                                                                | Action Number:<br>45211                                 |
|                                                                                | Action Type:<br>[C-104] Transport Authorization (C-104) |

CONDITIONS

| Created By | Condition                                                                                                                                             | Condition Date |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| plmartinez | Going forward submit as a C-104 Completion Packet (C-104C) and attach required documents separately according to the tags; do not upload as one scan. | 9/29/2021      |