

|                            |   |  |
|----------------------------|---|--|
| Well Name: NAGEEZI UNIT    | Well Location: T24N / R9W / SEC 25 / SWSW / 36.279121 / -107.748889 | County or Parish/State: SAN JUAN / NM  |
| Well Number: 209H          | Type of Well: OIL WELL  | Allottee or Tribe Name: EASTERN NAVAJO |
| Lease Number: NMSF78860    | Unit or CA Name:  | Unit or CA Number: NMNM132981A         |
| US Well Number: 3004538300 | Operator: DJR OPERATING LLC   |  |

Notice of Intent

Sundry ID: 2785946

Type of Submission: Notice of Intent      Type of Action: APD Change

Date Sundry Submitted: 04/19/2024      Time Sundry Submitted: 08:35

Date proposed operation will begin: 04/19/2024

**Procedure Description:** DJR respectfully requests approval to change the casing and cement design for the subject well. Attached please find a Revised Drilling Plan; reflecting new casing size, set depth, and cement slurry assumptions. Please note, effective December 21, 2023, Enduring Resources, LLC & DJR Operating, LLC are wholly owned subsidiaries of Enduring Resources, LLC. Leases, rights of way, wells, and other property interests will continue to be held in their current entity names.

NOI Attachments

Procedure Description

NU\_209H\_DPR\_Rev2\_20240419083454.pdf

Well Name: NAGEEZI UNIT

Well Location: T24N / R9W / SEC 25 / SWSW / 36.279121 / -107.748889

County or Parish/State: SAN JUAN / NM

Well Number: 209H

Type of Well: OIL WELL

Allottee or Tribe Name: EASTERN NAVAJO

Lease Number: NMSF78860

Unit or CA Name:

Unit or CA Number: NMNM132981A

US Well Number:

Operator: DJR OPERATING LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: APR 19, 2024 08:35 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC

State: NM

Phone: (505) 632-3476

Email address: SFORD@ENDURINGRESOURCES.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 04/19/2024

Signature: Kenneth Rennick

|  |   |                      |   |
|--|---|----------------------|---|
| C-102<br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br>OIL CONSERVATION DIVISION | Revised July 9, 2024 |   |
|  |   | Submittal Type:      | <input checked="" type="checkbox"/> Initial Submittal<br><input type="checkbox"/> Amended Report<br><input type="checkbox"/> As Drilled |

## WELL LOCATION INFORMATION

|  |                                     |   |
|--|-------------------------------------|---|
| API Number<br>30-045-38300   | Pool Code<br>98080                  | Pool Name<br>NAGEEZI UNIT MANCOS OIL POOL   |
| Property Code<br>325268  | Property Name<br>NAGEEZI UNIT       | Well Number<br>209H   |
| OGRID No.<br>371838  | Operator Name<br>DJR OPERATING, LLC | Ground Level Elevation<br>6805'   |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |                                     | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

## Surface Location (SHL)

|         |               |                 |             |     |                               |                              |                          |                            |                    |
|---------|---------------|-----------------|-------------|-----|-------------------------------|------------------------------|--------------------------|----------------------------|--------------------|
| UL<br>M | Section<br>25 | Township<br>24N | Range<br>9W | Lot | Ft from the N/S<br>476' SOUTH | Ft from the E/W<br>345' WEST | Latitude<br>36.279121° N | Longitude<br>107.748889° W | County<br>SAN JUAN |
|---------|---------------|-----------------|-------------|-----|-------------------------------|------------------------------|--------------------------|----------------------------|--------------------|

## Bottom Hole Location (BHL)

|         |               |                 |             |     |                                |                               |                          |                            |                    |
|---------|---------------|-----------------|-------------|-----|--------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|
| UL<br>I | Section<br>22 | Township<br>24N | Range<br>9W | Lot | Ft from the N/S<br>2403' SOUTH | Ft from the E/W<br>1315' EAST | Latitude<br>36.298981° N | Longitude<br>107.772330° W | County<br>SAN JUAN |
|---------|---------------|-----------------|-------------|-----|--------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|

|  |                         |  |  |                    |
|--|-------------------------|--|--|--------------------|
| Dedicated Acres<br>PENETRATED SPACING UNIT;<br>SEC 25: SW/SW & NW/SW (40 AC.); SEC 26: SE/SE, NE/SE,<br>NW/SE, SE/NE, SW/NE, NW/NE, SE/NW, NE/NW & NW/NW<br>(360 AC.); SEC 23: SE/SW, SW/SW & NW/SW (120 AC.);<br>SEC 22: SE/SE, NE/SE & NW/SE (120 AC.) = 680 ACRES | Infill or Defining Well | Defining Well API  | Overlapping Spacing<br>Unit (Y/N)<br>N | Consolidation Code |
| Order Numbers: R-13856 R-13856A  |                         | Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |                    |

## Kick Off Point (KOP)

|         |               |                 |             |     |                               |                               |                          |                            |                    |
|---------|---------------|-----------------|-------------|-----|-------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|
| UL<br>M | Section<br>25 | Township<br>24N | Range<br>9W | Lot | Ft from the N/S<br>568' SOUTH | Ft from the E/W<br>1058' WEST | Latitude<br>36.279409° N | Longitude<br>107.746469° W | County<br>SAN JUAN |
|---------|---------------|-----------------|-------------|-----|-------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|

## Fist Take Point (FTP)

|         |               |                 |             |     |                               |                              |                          |                            |                    |
|---------|---------------|-----------------|-------------|-----|-------------------------------|------------------------------|--------------------------|----------------------------|--------------------|
| UL<br>M | Section<br>25 | Township<br>24N | Range<br>9W | Lot | Ft from the N/S<br>830' SOUTH | Ft from the E/W<br>783' WEST | Latitude<br>36.280116° N | Longitude<br>107.747403° W | County<br>SAN JUAN |
|---------|---------------|-----------------|-------------|-----|-------------------------------|------------------------------|--------------------------|----------------------------|--------------------|

## Last Take Point (LTP)

|         |               |                 |             |     |                                |                               |                          |                            |                    |
|---------|---------------|-----------------|-------------|-----|--------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|
| UL<br>I | Section<br>22 | Township<br>24N | Range<br>9W | Lot | Ft from the N/S<br>2403' SOUTH | Ft from the E/W<br>1315' EAST | Latitude<br>36.298981° N | Longitude<br>107.772330° W | County<br>SAN JUAN |
|---------|---------------|-----------------|-------------|-----|--------------------------------|-------------------------------|--------------------------|----------------------------|--------------------|

|  |  |                        |
|--|--|------------------------|
| Unitized Area or Area of Uniform Interest<br>NAGEEZI | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation |
|--|--|------------------------|

## OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Shaw-Marie Ford  
Signature

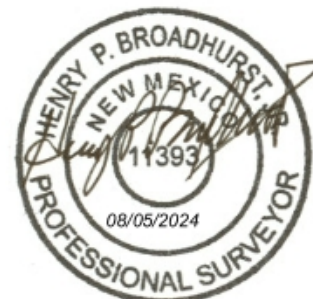
8/6/24  
Date

Shaw-Marie Ford  
Printed Name

sford@enduringresources.com  
E-mail Address

## SURVEYOR CERTIFICATIONS

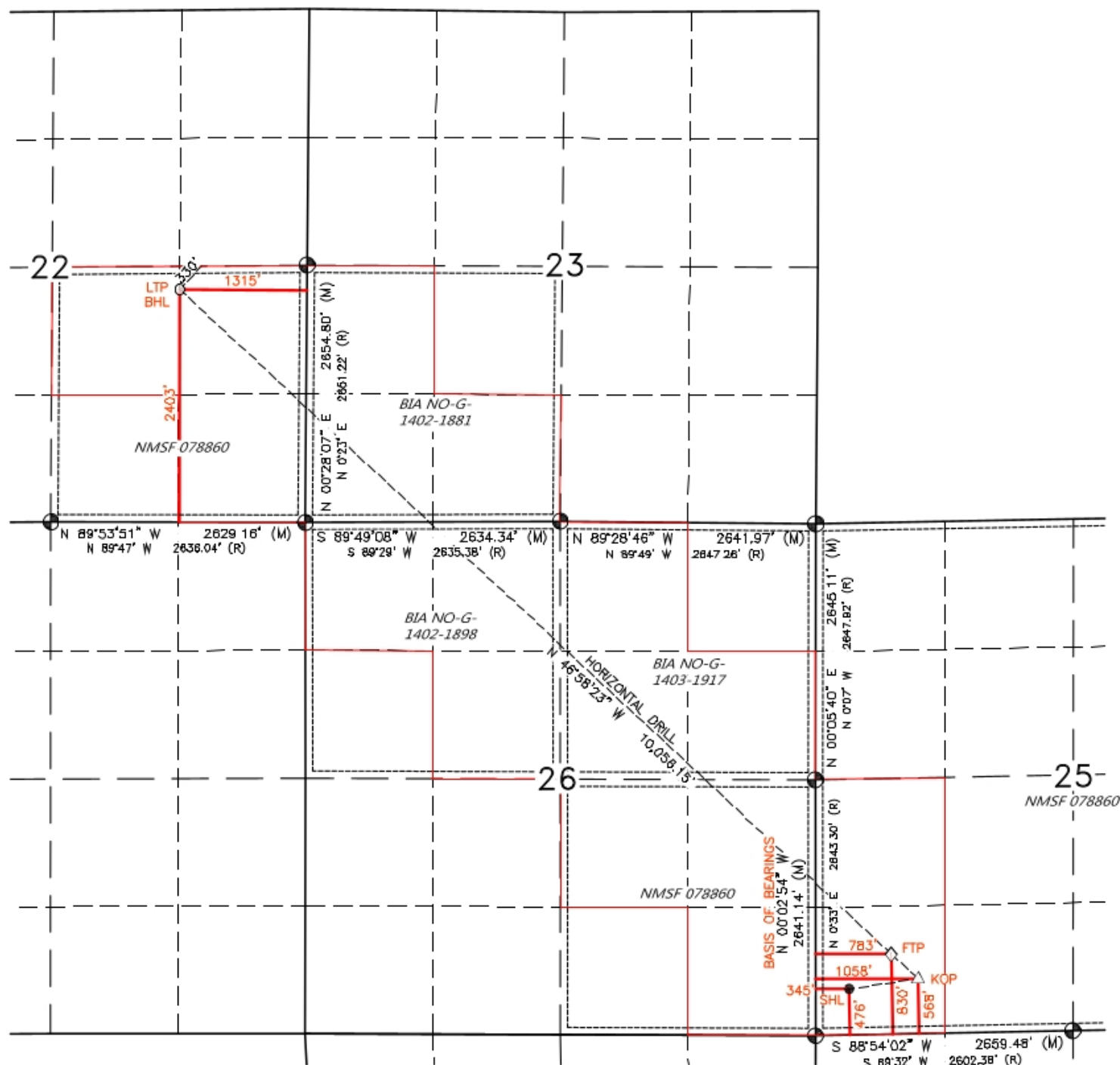
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



Signature and Seal of Professional Surveyor:

|                             |                                    |
|-----------------------------|------------------------------------|
| Certificate Number<br>11393 | Date of Survey<br>NOVEMBER 9, 2020 |
|-----------------------------|------------------------------------|

Note: 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.



**SURFACE LOCATION (SHL)** ●  
 476' FSL 345' FWL  
 SEC. 25, T24N, R9W  
 LAT. 36.279121° N (NAD83)  
 LONG. 107.748889° W (NAD83)

**KICK OFF POINT (KOP)** ▲  
 568' FSL 1058' FWL  
 SEC. 25, T24N, R9W  
 LAT. 36.279409° N (NAD83)  
 LONG. 107.746469° W (NAD83)

**FIRST TAKE POINT (FTP)** ◇  
 830' FSL 783' FWL  
 SEC. 25, T24N, R9W  
 LAT. 36.280116° N (NAD83)  
 LONG. 107.747403° W (NAD83)

**LAST TAKE POINT (LTP)** □  
 2403' FSL 1315' FWL  
 SEC. 22, T24N, R9W  
 LAT. 36.298981° N (NAD83)  
 LONG. 107.772330° W (NAD83)

**BOTTOM HOLE LOCATION (BHL)** ○  
 2403' FSL 1315' FWL  
 SEC. 22, T24N, R9W  
 LAT. 36.298981° N (NAD83)  
 LONG. 107.772330° W (NAD83)



**ENDURING RESOURCES IV, LLC**  
**6300 S SYRACUSE WAY, SUITE 525**  
**CENTENNIAL, COLORADO 80211**

**DRILLING PLAN:** *Drill, complete, and equip single lateral in the Mancos-Gallup formation*

**WELL INFORMATION:**

**Name:** NAGEEZI UNIT 209H

**API Number:** 30-045-38300

**AFE Number:** Not yet assigned

**ER Well Number:** Not yet assigned

**State:** New Mexico

**County:** San Juan

**Surface Elevation:** 6,805 ft ASL (GL) 6,830 ft ASL (KB)

**Surface Location:** 45924 Sec-Twn-Rng 476 ft FSL 345 ft FWL

36.279121 ° N latitude 107.748889 ° W longitude (NAD 83)

**BH Location:** 44828 Sec-Twn-Rng 2,403 ft FSL 1,315 ft FEL

36.298981 ° N latitude 107.77233 ° W longitude (NAD 83)

**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 35.0 miles to MM 117.0, Right (SouthWest) on IR7786 Road for 200 feet; Left (SouthEast) on new access for 0.4 miles to Nageezi M25 Pad, There are 5 wells on this location from West to East (NU 623H, NU 209H, NU 626H, NU 211H, NU 207H).

**GEOLOGIC AND RESERVOIR INFORMATION:**

| <b>Prognosis:</b> | <b>Formation Tops</b> | <b>TVD (ft ASL)</b> | <b>TVD (ft KB)</b> | <b>MD (ft KB)</b> | <b>O / G / W</b> | <b>Pressure</b>    |
|-------------------|-----------------------|---------------------|--------------------|-------------------|------------------|--------------------|
|                   | Ojo Alamo             | 5,995               | 835                | 835               | W                | normal             |
|                   | Kirtland              | 5,867               | 963                | 963               | W                | normal             |
|                   | Fruitland             | 5,590               | 1,240              | 1,240             | G, W             | sub                |
|                   | Pictured Cliffs       | 5,247               | 1,583              | 1,583             | G, W             | sub                |
|                   | Lewis                 | 5,130               | 1,700              | 1,701             | G, W             | normal             |
|                   | Chacra                | 4,847               | 1,983              | 1,992             | G, W             | normal             |
|                   | Cliff House           | 3,771               | 3,059              | 3,107             | G, W             | sub                |
|                   | Menefee               | 3,741               | 3,089              | 3,139             | G, W             | normal             |
|                   | Point Lookout         | 2,792               | 4,038              | 4,123             | G, W             | normal             |
|                   | Mancos                | 2,592               | 4,238              | 4,328             | O,G              | sub (~0.38)        |
|                   | Gallup (MNCS_A)       | 2,222               | 4,608              | 4,699             | O,G              | sub (~0.38)        |
|                   | MNCS_B                | 2,142               | 4,688              | 4,779             | O,G              | sub (~0.38)        |
|                   | MNCS_C                | 2,039               | 4,791              | 4,882             | O,G              | sub (~0.38)        |
|                   | MNCS_Cms              | 1,997               | 4,833              | 4,924             | O,G              | sub (~0.38)        |
|                   | MNCS_D                | 1,880               | 4,950              | 5,045             | O,G              | sub (~0.38)        |
|                   | <b>FTP TARGET</b>     | <b>1,544</b>        | <b>5,286</b>       | <b>5,538</b>      | <b>O,G</b>       | <b>sub (~0.38)</b> |
|                   | <b>PROJECTED TD</b>   | <b>1,467</b>        | <b>5,363</b>       | <b>15,599</b>     | <b>O,G</b>       | <b>sub (~0.38)</b> |

**Surface:** Nacimiento

**Oil & Gas Zones:** Several gas bearing zones will be encountered; target formation is the Gallup

**Pressure:** Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations

Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft

**Maximum anticipated BH pressure, assuming maximum pressure gradient:** 2,310 psi

**Maximum anticipated surface pressure, assuming partially evacuated hole:** 1,140 psi

**Temperature:** Maximum anticipated BHT is 125° F or less



**H2S INFORMATION:**

**H2S Zones:** Encountering hydrogen-sulfide bearing zones is NOT anticipated.

**Safety:** Sensors and alarms will be placed in the substructure, on the rig floor, above the pits, and at the shakers.

**LOGGING, CORING, AND TESTING:**

**Mud Logs:** None planned; remote geo-steering from drill out of 7" casing to TD; gas detection from drillout of 9-5/8" casing to TD.

**MWD / LWD:** Gamma Ray from drillout of 9-5/8" casing to TD

**Open Hole Logs:** None planned

**Testing:** None planned

**Coring:** None planned

**Cased Hole Logs:** CBL on 7" casing from deepest free-fall depth to surface

**DRILLING RIG INFORMATION:**

**Contractor:** Ensign

**Rig No.:** 140

**Draw Works:** Pacific Rim 1500AC (1,500 hp)

**Mast:** Process MFG Corp Swing Up Triple (136 ft, 750,000 lbs)

**Top Drive:** Tesco 400-EXI-600 (400 ton)

**Prime Movers:** 3 - CAT 3512C (1,350 hp)

**Pumps:** 2 - Gardner Denver PZ-11 (7,500 psi)

**BOPE 1:** T3 Annular & Shaffer double gate ram (11", 5,000 psi)

**BOPE 2:** T3 annular(11", 5,000 psi)

**Choke** 3", 5,000 psi

**KB-GL (ft):** 23.5

**Note:** Actual drilling rig may vary depending on availability at time the well is scheduled to be drilled.

**BOPE REQUIREMENTS:**

*See attached diagram for details regarding BOPE specifications and configuration.*

- 1) Rig will be equipped with upper and lower kelly cocks with handles available.
- 2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.
- 2) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.
- 3) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.
- 4) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.
- 5) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device. The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

**FLUIDS AND SOLIDS CONTROL PROGRAM:**

**Fluid Measurement:**

Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

**Closed-Loop System:**

A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimize the amount of fluids and solids that require disposal.

**Fluid Disposal:** Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

**Solids Disposal:** Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

**Fluid Program:** See "Detailed Drilling Plan" section and attached Newpark mud program for additional details.

## DETAILED DRILLING PLAN:

**SURFACE:** Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.

|            |    |              |                      |        |
|------------|----|--------------|----------------------|--------|
| 0 ft (MD)  | to | 350 ft (MD)  | Hole Section Length: | 350 ft |
| 0 ft (TVD) | to | 350 ft (TVD) | Casing Required:     | 350 ft |

*Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.*

| Fluid: | Type        | MW (ppg) | FL<br>(mL/30 min) | PV (cp) | YP<br>(lb/100 sqft) | pH  | Comments |
|--------|-------------|----------|-------------------|---------|---------------------|-----|----------|
|        | Fresh Water | 8.4      | N/C               | 2-Aug   | 45,628              | 9.0 | Spud mud |

**Hole Size:** 12-1/4"**Bit / Motor:** Mill Tooth or PDC, no motor**MWD / Survey:** No MWD, deviation survey**Logging:** None**Casing Specs:**

| Specs     | 9.625 | 36.0 | K-55 | STC | 2,020 | 3,520 | 564,000 | 423,000 |
|-----------|-------|------|------|-----|-------|-------|---------|---------|
| Loading   |       |      |      |     | 153   | 1,136 | 110,988 | 110,988 |
| Min. S.F. |       |      |      |     | 13.21 | 3.10  | 5.08    | 3.81    |

*Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient**Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling**intermediate hole and 8.4 ppg equivalent external pressure gradient**Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull***MU Torque (ft lbs):** Minumum: 3,400 Optimum: 4,530 Maximum: 5,660**Casing Summary:** Float shoe, 1 jt casing, float collar, casing to surface**Centralizers:** 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

| Cement:  | Type      | Weight (ppg) | Yield<br>(cuft/sk) | Water<br>(gal/sk) | Hole Cap.<br>(cuft/ft) | % Excess | Planned TOC<br>(ft MD) | Total Cmt<br>(sx) | Total Cmt (cu<br>ft) |
|----------|-----------|--------------|--------------------|-------------------|------------------------|----------|------------------------|-------------------|----------------------|
| Redi-Mix | TYPE I-II | 14.5         | 1.61               | 7.41              | 0.3132                 | 50%      | 0                      | 114               | 184                  |

*Calculated cement volumes assume gauge hole and the excess noted in table*

Csg ID

8.921

*Mesa Ready Mix or first available*

Shoe Track L

44

**Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.**



**INTERMEDIATE:** Drill as per directional plan to casing setting depth, run casing, cement casing to surface.

|              |    |                |                      |          |
|--------------|----|----------------|----------------------|----------|
| 350 ft (MD)  | to | 5,638 ft (MD)  | Hole Section Length: | 5,288 ft |
| 350 ft (TVD) | to | 5,312 ft (TVD) | Casing Required:     | 5,638 ft |

| Fluid: | Type       | MW (ppg)  | FL<br>(mL/30 min) | PV (cp) | YP<br>(lb/100 sqft) | pH          | Comments |
|--------|------------|-----------|-------------------|---------|---------------------|-------------|----------|
|        | LSND (KCI) | 8.8 - 9.2 | 15                | 14-Aug  | 12-Jun              | 10.8 - 11.2 | No OBM   |

**Hole Size:** 8.75

**Bit / Motor:** 8-3/4" PDC bit w/mud motor

**MWD / Survey:** MWD Survey with inclination and azimuth survey (every 100' at a minimum), GR optional

**Logging:** None

**Pressure Test:** NU BOPE and test (as noted above); pressure test 13-3/8" casing to 1,500 psi for 30 minutes.

| Casing Specs: |   | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body<br>(lbs) | Tens. Conn<br>(lbs) |
|---------------|---|------------|-------|-------|----------------|-------------|---------------------|---------------------|
| Specs         | 7 | 26.0       | K-55  | LTC   | 4,320          | 4,980       | 415,000             | 367,000             |
| Loading       |   |            |       |       | 2,320          | 1,444       | 227,832             | 227,832             |
| Min. S.F.     |   |            |       |       | 1.86           | 3.45        | 1.82                | 1.61                |

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling  
production hole and 8.4 ppg equivalent external pressure gradient

Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

**MU Torque (ft lbs):** Minumum: 3,400 Optimum: 4,530 Maximum: 5,660

**Centralizers:** 1 per joint in non-vertical hole; 1 per 2-joints in vertical hole

| Cement: | Type          | Weight (ppg) | Yield<br>(cuft/sk) | Water<br>(gal/sk) | % Excess | Planned TOC<br>(ft MD) | Total Cmt<br>(sx) | Total Cmt (cu<br>ft) |
|---------|---------------|--------------|--------------------|-------------------|----------|------------------------|-------------------|----------------------|
| Lead    | III:POZ Blend | 12.5         | 2.140              | 12.05             | 70%      | 0                      | 490               | 1,049                |
| Tail    | Type III      | 14.6         | 1.380              | 6.64              | 20%      | 4,228                  | 191               | 264                  |

|                  |         |         |                                      |              |       |
|------------------|---------|---------|--------------------------------------|--------------|-------|
| Annular Capacity | 0.16681 | cuft/ft | 7" casing x 9-5/8" casing annulus    | Shoe Track L | 44    |
|                  | 0.1503  | cuft/ft | 9-5/8" casing x 12-1/4" hole annulus | Casing ID    | 6.276 |
|                  | 0.2148  | cuft/ft | 7" casing casing volume              |              |       |

Calculated cement volumes assume gauge hole and the excess noted in table

Drake Intermediate Cementing Program

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

**PRODUCTION:** Drill to TD following directional plan, run casing, cement casing to surface.

|                                |    |                |                      |           |
|--------------------------------|----|----------------|----------------------|-----------|
| 5,638 ft (MD)                  | to | 15,599 ft (MD) | Hole Section Length: | 9,961 ft  |
| 5,312 ft (TVD)                 | to | 5,363 ft (TVD) | Casing Required:     | 10,111 ft |
| Estimated KOP:                 |    | 4,838 ft (MD)  | 4,748 ft (TVD)       |           |
| Estimated Liner Top:           |    | 5,488 ft (MD)  | 5,267 ft (TVD)       |           |
| Estimated Landing Point (FTP): |    | 5,538 ft (MD)  | 5,286 ft (TVD)       |           |
| Estimated Lateral Length:      |    | 10,061 ft (MD) |                      |           |

| Fluid: | Type | MW (ppg)  | FL (mL/30') | PV (cp) | YP (lb/100 sqft) | pH    | Comments   | Comments           |
|--------|------|-----------|-------------|---------|------------------|-------|------------|--------------------|
|        | WBM  | 8.7 - 9.0 | NC          | 20.00   | ±2               | 9-9.5 | prod water | OBM as contingency |

**Hole Size:** 6.125**Bit / Motor:** 6-1/8" PDC bit w/mud motor**MWD / Survey:** MWD with GR, inclination, and azimuth (survey every joint from KOP to Landing Point and survey every 100' minimum before KOP and after Landing Point)**Logging:** GR MWD for entire section, no mud-log or cuttings sampling, no OH WL logs**Pressure Test:** NU BOPE and test (as noted above); pressure test 9-5/8" casing to 1,500 psi for 30 minutes.

| Liner/Casing Specs: | Size (in) | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------------|-----------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs               | 4.500     | 11.6       | P-110 | BTC   | 7,560          | 10,690      | 367,000          | 385,000          |
| Loading             |           |            |       |       | 2,649          | 8,807       | 256,142          | 256,142          |
| Min. S.F.           |           |            |       |       | 2.85           | 1.21        | 1.43             | 1.50             |

Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)

Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden fluid with 8.4 ppg equivalent external pressure gradient.

Tension: buoyed weight in 9.0 ppg fluid with 100,000 lbs over-pull. Tension calculations assume vertical hole to approximate drag in lateral.

**MU Torque (ft lbs):** Minimum: BTC Optimum: BTC Maximum: BTC**Centralizers:** Centralizer count and placement may be adjusted based on well conditions and as-drilled surveys.

| Cement:      | Type              | Weight (ppg) | Yield | Water | % Excess | Planned TOC | Total Cmt | Total Cmt (cu) |
|--------------|-------------------|--------------|-------|-------|----------|-------------|-----------|----------------|
| Spacer       | IntegraGuard Star | 11           |       | 31.6  |          | 0           | 60 bbls   |                |
| Tail         | G:POZ blend       | 13.3         | 1.560 | 7.70  | 25%      | 5,488       | 795       | 1,240          |
| Displacement | 212               | est bbls     |       |       |          |             |           |                |

|                    |         |         |   |
|--------------------|---------|---------|---|
| Annular Capacities | 0.1044  | cuft/ft | 4-1/2" casing x 7" casing annulus       |
|                    | 0.09417 | cuft/ft | 4-1/2" casing x 6-1/8" hole annulus     |
|                    | 0.0873  | cuft/ft | 4-1/2" casing volume est shoe jt ft 100 |
|                    | 0.0102  | bbls/ft | 4" DP capacity                          |

Calculated cement volumes assume gauge hole and the excess noted in table

American Cementing Liner &amp; Production Blend

|                  |                               |                              |                     |                          |                           |                       |                                  |  |
|------------------|-------------------------------|------------------------------|---------------------|--------------------------|---------------------------|-----------------------|----------------------------------|--|
|                  | Avis 616                      | IntegraGuard Star            |                     |                          |                           |                       |                                  |  |
| S-8 Silica Flour | viscosifier 11.6              | FP24 Defoamer .5             | Plus 3K LCM 15      | SS201 Surfactant 1       |                           |                       |                                  |  |
| Spacer           | 163.7 lbs/bbl                 | lb/bbl                       | lb/bbl              | gal/bbl                  |                           |                       |                                  |  |
|                  |                               | Bentonite                    |                     | IntegraGuard             |                           | FP24 Defoamer         |                                  |  |
| Lead/Tail        | ASTM Type I/II                | BA90 Bonding Agent 5.0 lb/sx | Viscosifier 8% BWOB | FL24 Fluid Loss .5% BWOB | GW86 Viscosifier .1% BWOB | R7C Retarder .2% BWOB | 0.3% BWOB, Anti-Static .01 lb/sx |  |
|                  |                               |                              | Bentonite           |                          | IntegraGuard              |                       | FP24 Defoamer .3% BWOB,          |  |
| Type G 50%       | Pozzolan Fly Ash Extender 50% | BA90 Bonding Agent 3.0 lb/sx | Viscosifier 4% BWOB | FL24 Fluid Loss .4% BWOB | GW86 Viscosifier .1% BWOB | R3 Retarder BWOB      | .5% IntegraSeal 0.25 lb/sx       |  |

**Notify NMOCD & BLM if cement is not circulated to surface.****Note:** This well will not be considered an unorthodox well location as defined by NMAC19.15.16.15.C.5. As defined in**FINISH WELL:** ND BOP, cap well, RDMO.

**COMPLETION AND PRODUCTION PLAN:**

**Est Lateral Length:** 9,961  
**Est Frac Inform:** 42 Frac Stages 160,000 bbls slick water 12,950,000 lbs proppant  
**Frac:** 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)  
**Flowback:** Flow back through production tubing as pressures allow  
**Production:** Produce through production tubing via gas-lift into permanent production and storage facilities

**ESTIMATED START DATES:**

**Drilling:** 5/16/2024  
**Completion:** 7/15/2024  
**Production:** 8/29/2024

**Prepared by:** Greg Olson 1/25/2024  
**Updated:** Greg Olson 4/11/2024



Well: Nageezi Unit 209H  
Site: Nageezi Unit (207, 209, 211, 623 & 626)  
Project: San Juan County, New Mexico NAD83 NM W  
Design: rev0  
Rig:

DESIGN TARGET DETAILS

Name: Nageezi 209H 0 VS  
Nageezi 209H BHL 2403 FSL 1315 FEL  
Nageezi 209H PPP/POE 830 FSL 783 FWL

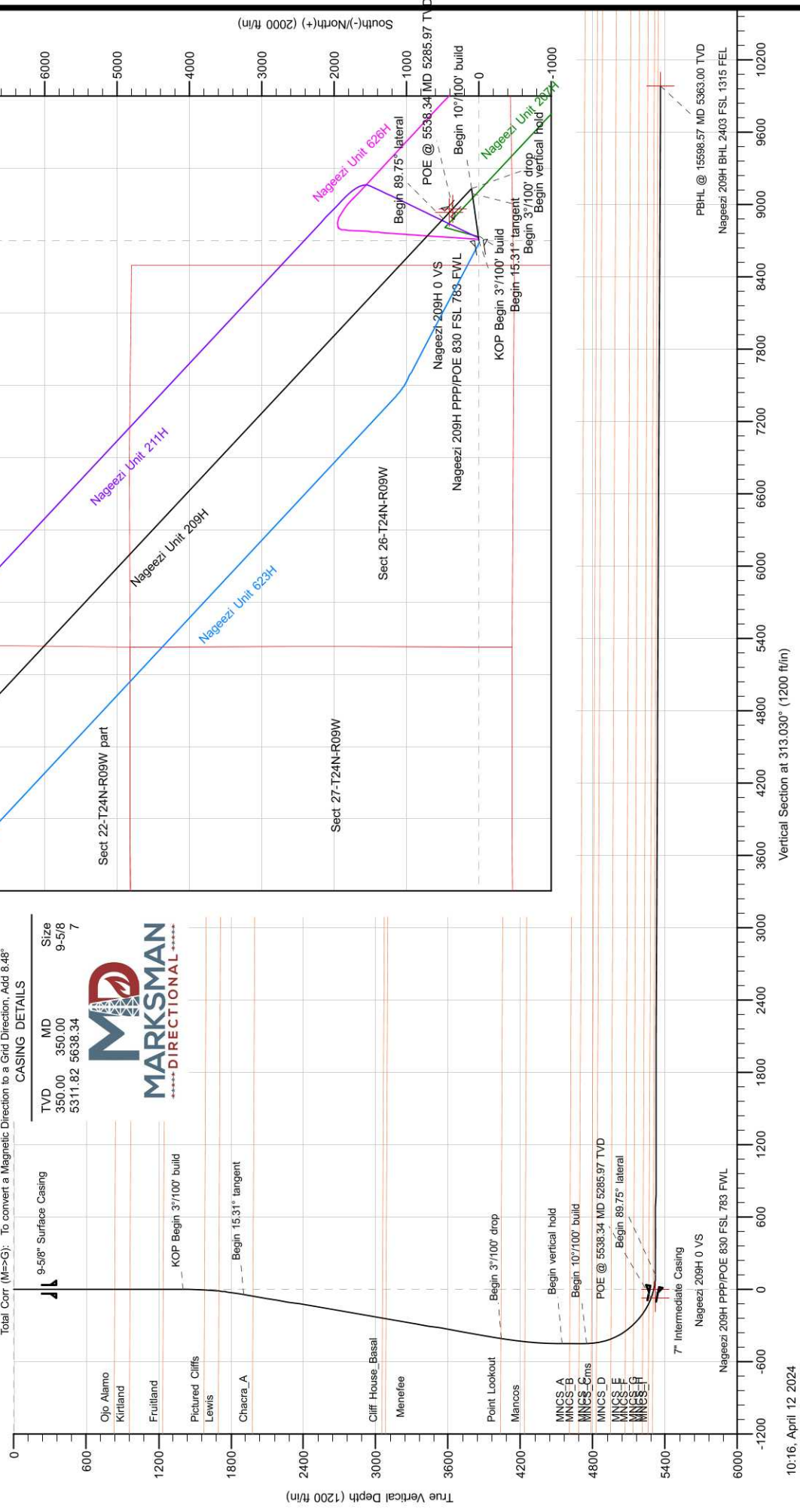
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Western Zone  
System Datum: Mean Sea Level  
Depth Reference: RKB=8805+25 @ 6830.00ft

Surface location:  
Northing: 1920910.10  
Easting: 2747980.92  
Latitude: 36.27912100  
Longitude: -107.74888900

Total Corr (M>G): To convert a Magnetic Direction to a Grid Direction, Add 8.48°

CASING DETAILS

| TVD     | MD      | Size  |
|---------|---------|-------|
| 350.00  | 350.00  | 9-5/8 |
| 5311.82 | 5638.34 | 7     |





## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | San Juan County, New Mexico NAD83 NM W |                      |                |
| <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 Western Zone                |                      |                |

|                       |   |              |                   |            |               |
|-----------------------|---|--------------|-------------------|------------|---------------|
| Site                  | Nageezi Unit (207, 209, 211, 623 & 626) |              |                   |            |               |
| Site Position:        |   | Northing:    | 1,920,927.26 usft | Latitude:  | 36.27916800   |
| From:                 | Lat/Long                                | Easting:     | 2,748,038.68 usft | Longitude: | -107.74869300 |
| Position Uncertainty: | 0.00 ft                                 | Slot Radius: | 13-3/16 "         |            |               |

|                      |   |         |                     |                   |               |               |
|----------------------|---|---------|---------------------|-------------------|---------------|---------------|
| Well                 | Nageezi Unit 209H, Surf loc: 476 FSL 345 FWL Section 25-T24N-R09W |         |                     |                   |               |               |
| Well Position        | +N/-S   | 0.00 ft | Northing:           | 1,920,910.10 usft | Latitude:     | 36.27912100   |
|                      | +E/-W   | 0.00 ft | Easting:            | 2,747,980.92 usft | Longitude:    | -107.74888900 |
| Position Uncertainty |   | 0.00 ft | Wellhead Elevation: | ft                | Ground Level: | 6,805.00 ft   |
| Grid Convergence:    |   | 0.05 °  |                     |                   |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 2/5/2024           | 8.53                   | 62.73                | 49,067.03051851            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | rev0                         |                   |                   |                      |      |
| <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) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 313.030              |      |

|                                 |                      |                          |                      |                     |  |
|---------------------------------|----------------------|--------------------------|----------------------|---------------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>          | 4/12/2024                |                      |                     |  |
| <b>Depth From (ft)</b>          | <b>Depth To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>     | <b>Remarks</b>      |  |
| 1                               | 0.00                 | 15,598.57                | rev0 (Original Hole) | MWD                 |  |
|                                 |                      |                          |                      | OWSG MWD - Standard |  |





Planning Report

|           |   |                              |                         |
|-----------|---|------------------------------|-------------------------|
| Database: | DT_Mar1724_v17                          | Local Co-ordinate Reference: | Well Nageezi Unit 209H  |
| Company:  | Enduring Resources LLC                  | TVD Reference:               | RKB=6805+25 @ 6830.00ft |
| Project:  | San Juan County, New Mexico NAD83 NM W  | MD Reference:                | RKB=6805+25 @ 6830.00ft |
| Site:     | Nageezi Unit (207, 209, 211, 623 & 626) | North Reference:             | Grid                    |
| Well:     | Nageezi Unit 209H                       | Survey Calculation Method:   | Minimum Curvature       |
| Wellbore: | Original Hole                           |                              |                         |
| Design:   | rev0                                    |                              |                         |

| Plan Sections       |                 |             |                     |            |            |                       |                      |                     |         |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target              |
| 0.00                | 0.00            | 0.000       | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 1,400.00            | 0.00            | 0.000       | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 1,910.22            | 15.31           | 81.599      | 1,904.17            | 9.90       | 67.02      | 3.00                  | 3.00                 | 0.00                | 81.60   |                     |
| 4,128.12            | 15.31           | 81.599      | 4,043.40            | 95.44      | 646.23     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 4,638.34            | 0.00            | 0.005       | 4,547.57            | 105.34     | 713.25     | 3.00                  | -3.00                | 0.00                | 180.00  |                     |
| 4,838.34            | 0.00            | 0.005       | 4,747.57            | 105.34     | 713.25     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 5,538.34            | 70.00           | 313.030     | 5,285.97            | 362.59     | 437.67     | 10.00                 | 10.00                | 0.00                | 313.03  |                     |
| 5,735.87            | 89.75           | 313.027     | 5,320.52            | 494.63     | 296.22     | 10.00                 | 10.00                | 0.00                | -0.01   |                     |
| 15,598.57           | 89.75           | 313.027     | 5,363.00            | 7,224.37   | -6,913.61  | 0.00                  | 0.00                 | 0.00                | 0.00    | Nageezi 209H BHL 24 |





## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned 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) |
| 0.00                    | 0.00            | 0.000       | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00                  | 0.00            | 0.000       | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 200.00                  | 0.00            | 0.000       | 200.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 300.00                  | 0.00            | 0.000       | 300.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 350.00                  | 0.00            | 0.000       | 350.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 9-5/8" Surface Casing   |                 |             |                     |            |            |                       |                       |                      |                     |
| 400.00                  | 0.00            | 0.000       | 400.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 500.00                  | 0.00            | 0.000       | 500.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 600.00                  | 0.00            | 0.000       | 600.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 700.00                  | 0.00            | 0.000       | 700.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 800.00                  | 0.00            | 0.000       | 800.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 835.00                  | 0.00            | 0.000       | 835.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| Ojo Alamo               |                 |             |                     |            |            |                       |                       |                      |                     |
| 900.00                  | 0.00            | 0.000       | 900.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 963.00                  | 0.00            | 0.000       | 963.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| Kirtland                |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,000.00                | 0.00            | 0.000       | 1,000.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,100.00                | 0.00            | 0.000       | 1,100.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,200.00                | 0.00            | 0.000       | 1,200.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,240.00                | 0.00            | 0.000       | 1,240.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| Fruitland               |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,300.00                | 0.00            | 0.000       | 1,300.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.00                | 0.00            | 0.000       | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| KOP Begin 3°/100' build |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,500.00                | 3.00            | 81.599      | 1,499.95            | 0.38       | 2.59       | -1.63                 | 3.00                  | 3.00                 | 0.00                |
| 1,583.26                | 5.50            | 81.599      | 1,582.98            | 1.28       | 8.69       | -5.48                 | 3.00                  | 3.00                 | 0.00                |
| Pictured Cliffs         |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,600.00                | 6.00            | 81.599      | 1,599.63            | 1.53       | 10.35      | -6.52                 | 3.00                  | 3.00                 | 0.00                |
| 1,700.00                | 9.00            | 81.599      | 1,698.77            | 3.44       | 23.26      | -14.66                | 3.00                  | 3.00                 | 0.00                |
| 1,701.18                | 9.04            | 81.599      | 1,699.94            | 3.46       | 23.44      | -14.78                | 3.00                  | 3.00                 | 0.00                |
| Lewis                   |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,800.00                | 12.00           | 81.599      | 1,797.08            | 6.10       | 41.29      | -26.02                | 3.00                  | 3.00                 | 0.00                |
| 1,900.00                | 15.00           | 81.599      | 1,894.31            | 9.51       | 64.38      | -40.57                | 3.00                  | 3.00                 | 0.00                |
| 1,910.22                | 15.31           | 81.599      | 1,904.17            | 9.90       | 67.02      | -42.24                | 3.00                  | 3.00                 | 0.00                |
| Begin 15.31° tangent    |                 |             |                     |            |            |                       |                       |                      |                     |
| 1,991.69                | 15.31           | 81.599      | 1,982.76            | 13.04      | 88.30      | -55.65                | 0.00                  | 0.00                 | 0.00                |
| Chacra_A                |                 |             |                     |            |            |                       |                       |                      |                     |
| 2,000.00                | 15.31           | 81.599      | 1,990.77            | 13.36      | 90.47      | -57.01                | 0.00                  | 0.00                 | 0.00                |
| 2,100.00                | 15.31           | 81.599      | 2,087.22            | 17.22      | 116.58     | -73.47                | 0.00                  | 0.00                 | 0.00                |
| 2,200.00                | 15.31           | 81.599      | 2,183.67            | 21.08      | 142.70     | -89.93                | 0.00                  | 0.00                 | 0.00                |
| 2,300.00                | 15.31           | 81.599      | 2,280.13            | 24.93      | 168.81     | -106.39               | 0.00                  | 0.00                 | 0.00                |
| 2,400.00                | 15.31           | 81.599      | 2,376.58            | 28.79      | 194.93     | -122.85               | 0.00                  | 0.00                 | 0.00                |
| 2,500.00                | 15.31           | 81.599      | 2,473.03            | 32.65      | 221.04     | -139.30               | 0.00                  | 0.00                 | 0.00                |
| 2,600.00                | 15.31           | 81.599      | 2,569.48            | 36.50      | 247.16     | -155.76               | 0.00                  | 0.00                 | 0.00                |
| 2,700.00                | 15.31           | 81.599      | 2,665.94            | 40.36      | 273.27     | -172.22               | 0.00                  | 0.00                 | 0.00                |
| 2,800.00                | 15.31           | 81.599      | 2,762.39            | 44.22      | 299.39     | -188.68               | 0.00                  | 0.00                 | 0.00                |
| 2,900.00                | 15.31           | 81.599      | 2,858.84            | 48.07      | 325.50     | -205.14               | 0.00                  | 0.00                 | 0.00                |
| 3,000.00                | 15.31           | 81.599      | 2,955.29            | 51.93      | 351.62     | -221.60               | 0.00                  | 0.00                 | 0.00                |
| 3,100.00                | 15.31           | 81.599      | 3,051.75            | 55.79      | 377.73     | -238.05               | 0.00                  | 0.00                 | 0.00                |
| 3,107.47                | 15.31           | 81.599      | 3,058.96            | 56.08      | 379.69     | -239.28               | 0.00                  | 0.00                 | 0.00                |
| Cliff House_Basal       |                 |             |                     |            |            |                       |                       |                      |                     |
| 3,138.55                | 15.31           | 81.599      | 3,088.93            | 57.27      | 387.80     | -244.40               | 0.00                  | 0.00                 | 0.00                |
| Menefee                 |                 |             |                     |            |            |                       |                       |                      |                     |



## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned 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) |  |
| 3,200.00                    | 15.31           | 81.599      | 3,148.20            | 59.64      | 403.85     | -254.51               | 0.00                  | 0.00                 | 0.00                |  |
| 3,300.00                    | 15.31           | 81.599      | 3,244.65            | 63.50      | 429.96     | -270.97               | 0.00                  | 0.00                 | 0.00                |  |
| 3,400.00                    | 15.31           | 81.599      | 3,341.11            | 67.36      | 456.08     | -287.43               | 0.00                  | 0.00                 | 0.00                |  |
| 3,500.00                    | 15.31           | 81.599      | 3,437.56            | 71.22      | 482.19     | -303.89               | 0.00                  | 0.00                 | 0.00                |  |
| 3,600.00                    | 15.31           | 81.599      | 3,534.01            | 75.07      | 508.31     | -320.34               | 0.00                  | 0.00                 | 0.00                |  |
| 3,700.00                    | 15.31           | 81.599      | 3,630.46            | 78.93      | 534.42     | -336.80               | 0.00                  | 0.00                 | 0.00                |  |
| 3,800.00                    | 15.31           | 81.599      | 3,726.92            | 82.79      | 560.54     | -353.26               | 0.00                  | 0.00                 | 0.00                |  |
| 3,900.00                    | 15.31           | 81.599      | 3,823.37            | 86.64      | 586.65     | -369.72               | 0.00                  | 0.00                 | 0.00                |  |
| 4,000.00                    | 15.31           | 81.599      | 3,919.82            | 90.50      | 612.77     | -386.18               | 0.00                  | 0.00                 | 0.00                |  |
| 4,100.00                    | 15.31           | 81.599      | 4,016.27            | 94.36      | 638.88     | -402.64               | 0.00                  | 0.00                 | 0.00                |  |
| 4,122.76                    | 15.31           | 81.599      | 4,038.23            | 95.23      | 644.83     | -406.38               | 0.00                  | 0.00                 | 0.00                |  |
| <b>Point Lookout</b>        |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,128.12                    | 15.31           | 81.599      | 4,043.40            | 95.44      | 646.23     | -407.26               | 0.00                  | 0.00                 | 0.00                |  |
| <b>Begin 3°/100' drop</b>   |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,200.00                    | 13.15           | 81.599      | 4,113.07            | 98.02      | 663.71     | -418.28               | 3.00                  | -3.00                | 0.00                |  |
| 4,300.00                    | 10.15           | 81.599      | 4,211.00            | 100.97     | 683.68     | -430.87               | 3.00                  | -3.00                | 0.00                |  |
| 4,327.51                    | 9.32            | 81.599      | 4,238.11            | 101.65     | 688.28     | -433.77               | 3.00                  | -3.00                | 0.00                |  |
| <b>Mancos</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,400.00                    | 7.15            | 81.599      | 4,309.85            | 103.17     | 698.56     | -440.24               | 3.00                  | -3.00                | 0.00                |  |
| 4,500.00                    | 4.15            | 81.599      | 4,409.35            | 104.61     | 708.30     | -446.38               | 3.00                  | -3.00                | 0.00                |  |
| 4,600.00                    | 1.15            | 81.599      | 4,509.23            | 105.28     | 712.87     | -449.26               | 3.00                  | -3.00                | 0.00                |  |
| 4,638.34                    | 0.00            | 0.005       | 4,547.57            | 105.34     | 713.25     | -449.50               | 3.00                  | -3.00                | 0.00                |  |
| <b>Begin vertical hold</b>  |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,698.81                    | 0.00            | 0.000       | 4,608.04            | 105.34     | 713.25     | -449.50               | 0.00                  | 0.00                 | 0.00                |  |
| <b>MNCS_A</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,700.00                    | 0.00            | 0.000       | 4,609.23            | 105.34     | 713.25     | -449.50               | 0.00                  | 0.00                 | 0.00                |  |
| 4,778.81                    | 0.00            | 0.000       | 4,688.04            | 105.34     | 713.25     | -449.50               | 0.00                  | 0.00                 | 0.00                |  |
| <b>MNCS_B</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,800.00                    | 0.00            | 0.000       | 4,709.23            | 105.34     | 713.25     | -449.50               | 0.00                  | 0.00                 | 0.00                |  |
| 4,838.34                    | 0.00            | 0.000       | 4,747.57            | 105.34     | 713.25     | -449.50               | 0.00                  | 0.00                 | 0.00                |  |
| <b>Begin 10°/100' build</b> |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,850.00                    | 1.17            | 313.030     | 4,759.23            | 105.42     | 713.16     | -449.38               | 10.00                 | 10.00                | 0.00                |  |
| 4,881.86                    | 4.35            | 313.030     | 4,791.05            | 106.47     | 712.04     | -447.85               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_C</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,900.00                    | 6.17            | 313.030     | 4,809.11            | 107.60     | 710.83     | -446.19               | 10.00                 | 10.00                | 0.00                |  |
| 4,924.16                    | 8.58            | 313.030     | 4,833.07            | 109.72     | 708.56     | -443.09               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_Cms</b>             |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,950.00                    | 11.17           | 313.030     | 4,858.52            | 112.74     | 705.32     | -438.66               | 10.00                 | 10.00                | 0.00                |  |
| 5,000.00                    | 16.17           | 313.030     | 4,907.09            | 120.80     | 696.69     | -426.85               | 10.00                 | 10.00                | 0.00                |  |
| 5,045.45                    | 20.71           | 313.030     | 4,950.20            | 130.61     | 686.18     | -412.47               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_D</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,050.00                    | 21.17           | 313.030     | 4,954.45            | 131.72     | 685.00     | -410.85               | 10.00                 | 10.00                | 0.00                |  |
| 5,100.00                    | 26.17           | 313.030     | 5,000.23            | 145.41     | 670.33     | -390.78               | 10.00                 | 10.00                | 0.00                |  |
| 5,150.00                    | 31.17           | 313.030     | 5,044.09            | 161.77     | 652.80     | -366.81               | 10.00                 | 10.00                | 0.00                |  |
| 5,181.37                    | 34.30           | 313.030     | 5,070.47            | 173.34     | 640.40     | -349.84               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_E</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,200.00                    | 36.17           | 313.030     | 5,085.69            | 180.68     | 632.55     | -339.10               | 10.00                 | 10.00                | 0.00                |  |
| 5,250.00                    | 41.17           | 313.030     | 5,124.72            | 201.99     | 609.72     | -307.87               | 10.00                 | 10.00                | 0.00                |  |
| 5,268.87                    | 43.05           | 313.030     | 5,138.71            | 210.62     | 600.47     | -295.22               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_F</b>               |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,300.00                    | 46.17           | 313.030     | 5,160.87            | 225.54     | 584.49     | -273.36               | 10.00                 | 10.00                | 0.00                |  |
| 5,350.00                    | 51.17           | 313.030     | 5,193.88            | 251.15     | 557.05     | -235.83               | 10.00                 | 10.00                | 0.00                |  |
| 5,383.45                    | 54.51           | 313.030     | 5,214.09            | 269.34     | 537.57     | -209.17               | 10.00                 | 10.00                | 0.00                |  |





## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned 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) |  |
| <b>MNCS_G</b>                       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,400.00                            | 56.17           | 313.030     | 5,223.50            | 278.62     | 527.62     | -195.56               | 10.00                 | 10.00                | 0.00                |  |
| 5,450.00                            | 61.17           | 313.030     | 5,249.49            | 307.76     | 496.41     | -152.87               | 10.00                 | 10.00                | 0.00                |  |
| 5,482.75                            | 64.44           | 313.030     | 5,264.46            | 327.63     | 475.12     | -123.74               | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_H</b>                       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,500.00                            | 66.17           | 313.030     | 5,271.67            | 338.33     | 463.66     | -108.07               | 10.00                 | 10.00                | 0.00                |  |
| 5,538.34                            | 70.00           | 313.030     | 5,285.97            | 362.59     | 437.67     | -72.51                | 10.00                 | 10.00                | 0.00                |  |
| <b>POE @ 5538.34 MD 5285.97 TVD</b> |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,550.00                            | 71.17           | 313.030     | 5,289.85            | 370.10     | 429.63     | -61.51                | 10.00                 | 10.00                | 0.00                |  |
| 5,584.03                            | 74.57           | 313.029     | 5,299.87            | 392.29     | 405.86     | -29.00                | 10.00                 | 10.00                | 0.00                |  |
| <b>MNCS_I</b>                       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,600.00                            | 76.17           | 313.029     | 5,303.91            | 402.83     | 394.57     | -13.54                | 10.00                 | 10.00                | 0.00                |  |
| 5,638.34                            | 80.00           | 313.029     | 5,311.82            | 428.42     | 367.15     | 23.96                 | 10.00                 | 10.00                | 0.00                |  |
| <b>7" Intermediate Casing</b>       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,650.00                            | 81.17           | 313.029     | 5,313.73            | 436.27     | 358.74     | 35.47                 | 10.00                 | 10.00                | 0.00                |  |
| 5,700.00                            | 86.17           | 313.028     | 5,319.25            | 470.17     | 322.42     | 85.14                 | 10.00                 | 10.00                | 0.00                |  |
| 5,735.87                            | 89.75           | 313.027     | 5,320.52            | 494.63     | 296.22     | 120.99                | 10.00                 | 10.00                | 0.00                |  |
| <b>Begin 89.75° lateral</b>         |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,800.00                            | 89.75           | 313.027     | 5,320.80            | 538.39     | 249.34     | 185.12                | 0.00                  | 0.00                 | 0.00                |  |
| 5,900.00                            | 89.75           | 313.027     | 5,321.23            | 606.62     | 176.24     | 285.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,000.00                            | 89.75           | 313.027     | 5,321.66            | 674.85     | 103.14     | 385.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,100.00                            | 89.75           | 313.027     | 5,322.09            | 743.09     | 30.04      | 485.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,200.00                            | 89.75           | 313.027     | 5,322.52            | 811.32     | -43.07     | 585.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,300.00                            | 89.75           | 313.027     | 5,322.95            | 879.56     | -116.17    | 685.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,400.00                            | 89.75           | 313.027     | 5,323.38            | 947.79     | -189.27    | 785.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,500.00                            | 89.75           | 313.027     | 5,323.81            | 1,016.03   | -262.37    | 885.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,600.00                            | 89.75           | 313.027     | 5,324.24            | 1,084.26   | -335.47    | 985.11                | 0.00                  | 0.00                 | 0.00                |  |
| 6,700.00                            | 89.75           | 313.027     | 5,324.67            | 1,152.49   | -408.58    | 1,085.11              | 0.00                  | 0.00                 | 0.00                |  |
| 6,800.00                            | 89.75           | 313.027     | 5,325.11            | 1,220.73   | -481.68    | 1,185.11              | 0.00                  | 0.00                 | 0.00                |  |
| 6,900.00                            | 89.75           | 313.027     | 5,325.54            | 1,288.96   | -554.78    | 1,285.11              | 0.00                  | 0.00                 | 0.00                |  |
| 7,000.00                            | 89.75           | 313.027     | 5,325.97            | 1,357.20   | -627.88    | 1,385.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,100.00                            | 89.75           | 313.027     | 5,326.40            | 1,425.43   | -700.98    | 1,485.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,200.00                            | 89.75           | 313.027     | 5,326.83            | 1,493.67   | -774.09    | 1,585.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,300.00                            | 89.75           | 313.027     | 5,327.26            | 1,561.90   | -847.19    | 1,685.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,400.00                            | 89.75           | 313.027     | 5,327.69            | 1,630.13   | -920.29    | 1,785.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,500.00                            | 89.75           | 313.027     | 5,328.12            | 1,698.37   | -993.39    | 1,885.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,600.00                            | 89.75           | 313.027     | 5,328.55            | 1,766.60   | -1,066.49  | 1,985.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,700.00                            | 89.75           | 313.027     | 5,328.98            | 1,834.84   | -1,139.60  | 2,085.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,800.00                            | 89.75           | 313.027     | 5,329.41            | 1,903.07   | -1,212.70  | 2,185.10              | 0.00                  | 0.00                 | 0.00                |  |
| 7,900.00                            | 89.75           | 313.027     | 5,329.84            | 1,971.30   | -1,285.80  | 2,285.10              | 0.00                  | 0.00                 | 0.00                |  |
| 8,000.00                            | 89.75           | 313.027     | 5,330.27            | 2,039.54   | -1,358.90  | 2,385.10              | 0.00                  | 0.00                 | 0.00                |  |
| 8,100.00                            | 89.75           | 313.027     | 5,330.70            | 2,107.77   | -1,432.00  | 2,485.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,200.00                            | 89.75           | 313.027     | 5,331.14            | 2,176.01   | -1,505.11  | 2,585.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,300.00                            | 89.75           | 313.027     | 5,331.57            | 2,244.24   | -1,578.21  | 2,685.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,400.00                            | 89.75           | 313.027     | 5,332.00            | 2,312.48   | -1,651.31  | 2,785.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,500.00                            | 89.75           | 313.027     | 5,332.43            | 2,380.71   | -1,724.41  | 2,885.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,600.00                            | 89.75           | 313.027     | 5,332.86            | 2,448.94   | -1,797.51  | 2,985.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,700.00                            | 89.75           | 313.027     | 5,333.29            | 2,517.18   | -1,870.62  | 3,085.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,800.00                            | 89.75           | 313.027     | 5,333.72            | 2,585.41   | -1,943.72  | 3,185.09              | 0.00                  | 0.00                 | 0.00                |  |
| 8,900.00                            | 89.75           | 313.027     | 5,334.15            | 2,653.65   | -2,016.82  | 3,285.09              | 0.00                  | 0.00                 | 0.00                |  |
| 9,000.00                            | 89.75           | 313.027     | 5,334.58            | 2,721.88   | -2,089.92  | 3,385.09              | 0.00                  | 0.00                 | 0.00                |  |
| 9,100.00                            | 89.75           | 313.027     | 5,335.01            | 2,790.12   | -2,163.02  | 3,485.09              | 0.00                  | 0.00                 | 0.00                |  |
| 9,200.00                            | 89.75           | 313.027     | 5,335.44            | 2,858.35   | -2,236.13  | 3,585.08              | 0.00                  | 0.00                 | 0.00                |  |



## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned 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) |  |
| 9,300.00            | 89.75           | 313.027     | 5,335.87            | 2,926.58   | -2,309.23  | 3,685.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,400.00            | 89.75           | 313.027     | 5,336.30            | 2,994.82   | -2,382.33  | 3,785.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,500.00            | 89.75           | 313.027     | 5,336.73            | 3,063.05   | -2,455.43  | 3,885.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,600.00            | 89.75           | 313.027     | 5,337.16            | 3,131.29   | -2,528.53  | 3,985.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,700.00            | 89.75           | 313.027     | 5,337.60            | 3,199.52   | -2,601.64  | 4,085.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,800.00            | 89.75           | 313.027     | 5,338.03            | 3,267.76   | -2,674.74  | 4,185.08              | 0.00                  | 0.00                 | 0.00                |  |
| 9,900.00            | 89.75           | 313.027     | 5,338.46            | 3,335.99   | -2,747.84  | 4,285.08              | 0.00                  | 0.00                 | 0.00                |  |
| 10,000.00           | 89.75           | 313.027     | 5,338.89            | 3,404.22   | -2,820.94  | 4,385.08              | 0.00                  | 0.00                 | 0.00                |  |
| 10,100.00           | 89.75           | 313.027     | 5,339.32            | 3,472.46   | -2,894.04  | 4,485.08              | 0.00                  | 0.00                 | 0.00                |  |
| 10,200.00           | 89.75           | 313.027     | 5,339.75            | 3,540.69   | -2,967.15  | 4,585.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,300.00           | 89.75           | 313.027     | 5,340.18            | 3,608.93   | -3,040.25  | 4,685.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,400.00           | 89.75           | 313.027     | 5,340.61            | 3,677.16   | -3,113.35  | 4,785.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,500.00           | 89.75           | 313.027     | 5,341.04            | 3,745.40   | -3,186.45  | 4,885.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,600.00           | 89.75           | 313.027     | 5,341.47            | 3,813.63   | -3,259.55  | 4,985.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,700.00           | 89.75           | 313.027     | 5,341.90            | 3,881.86   | -3,332.65  | 5,085.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,800.00           | 89.75           | 313.027     | 5,342.33            | 3,950.10   | -3,405.76  | 5,185.07              | 0.00                  | 0.00                 | 0.00                |  |
| 10,900.00           | 89.75           | 313.027     | 5,342.76            | 4,018.33   | -3,478.86  | 5,285.07              | 0.00                  | 0.00                 | 0.00                |  |
| 11,000.00           | 89.75           | 313.027     | 5,343.19            | 4,086.57   | -3,551.96  | 5,385.07              | 0.00                  | 0.00                 | 0.00                |  |
| 11,100.00           | 89.75           | 313.027     | 5,343.63            | 4,154.80   | -3,625.06  | 5,485.07              | 0.00                  | 0.00                 | 0.00                |  |
| 11,200.00           | 89.75           | 313.027     | 5,344.06            | 4,223.04   | -3,698.16  | 5,585.07              | 0.00                  | 0.00                 | 0.00                |  |
| 11,300.00           | 89.75           | 313.027     | 5,344.49            | 4,291.27   | -3,771.27  | 5,685.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,400.00           | 89.75           | 313.027     | 5,344.92            | 4,359.50   | -3,844.37  | 5,785.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,500.00           | 89.75           | 313.027     | 5,345.35            | 4,427.74   | -3,917.47  | 5,885.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,600.00           | 89.75           | 313.027     | 5,345.78            | 4,495.97   | -3,990.57  | 5,985.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,700.00           | 89.75           | 313.027     | 5,346.21            | 4,564.21   | -4,063.67  | 6,085.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,800.00           | 89.75           | 313.027     | 5,346.64            | 4,632.44   | -4,136.78  | 6,185.06              | 0.00                  | 0.00                 | 0.00                |  |
| 11,900.00           | 89.75           | 313.027     | 5,347.07            | 4,700.68   | -4,209.88  | 6,285.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,000.00           | 89.75           | 313.027     | 5,347.50            | 4,768.91   | -4,282.98  | 6,385.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,100.00           | 89.75           | 313.027     | 5,347.93            | 4,837.14   | -4,356.08  | 6,485.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,200.00           | 89.75           | 313.027     | 5,348.36            | 4,905.38   | -4,429.18  | 6,585.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,300.00           | 89.75           | 313.027     | 5,348.79            | 4,973.61   | -4,502.29  | 6,685.06              | 0.00                  | 0.00                 | 0.00                |  |
| 12,400.00           | 89.75           | 313.027     | 5,349.22            | 5,041.85   | -4,575.39  | 6,785.05              | 0.00                  | 0.00                 | 0.00                |  |
| 12,500.00           | 89.75           | 313.027     | 5,349.65            | 5,110.08   | -4,648.49  | 6,885.05              | 0.00                  | 0.00                 | 0.00                |  |
| 12,600.00           | 89.75           | 313.027     | 5,350.09            | 5,178.32   | -4,721.59  | 6,985.05              | 0.00                  | 0.00                 | 0.00                |  |
| 12,700.00           | 89.75           | 313.027     | 5,350.52            | 5,246.55   | -4,794.69  | 7,085.05              | 0.00                  | 0.00                 | 0.00                |  |
| 12,800.00           | 89.75           | 313.027     | 5,350.95            | 5,314.78   | -4,867.80  | 7,185.05              | 0.00                  | 0.00                 | 0.00                |  |
| 12,900.00           | 89.75           | 313.027     | 5,351.38            | 5,383.02   | -4,940.90  | 7,285.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,000.00           | 89.75           | 313.027     | 5,351.81            | 5,451.25   | -5,014.00  | 7,385.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,100.00           | 89.75           | 313.027     | 5,352.24            | 5,519.49   | -5,087.10  | 7,485.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,200.00           | 89.75           | 313.027     | 5,352.67            | 5,587.72   | -5,160.20  | 7,585.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,300.00           | 89.75           | 313.027     | 5,353.10            | 5,655.96   | -5,233.31  | 7,685.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,400.00           | 89.75           | 313.027     | 5,353.53            | 5,724.19   | -5,306.41  | 7,785.05              | 0.00                  | 0.00                 | 0.00                |  |
| 13,500.00           | 89.75           | 313.027     | 5,353.96            | 5,792.42   | -5,379.51  | 7,885.04              | 0.00                  | 0.00                 | 0.00                |  |
| 13,600.00           | 89.75           | 313.027     | 5,354.39            | 5,860.66   | -5,452.61  | 7,985.04              | 0.00                  | 0.00                 | 0.00                |  |
| 13,700.00           | 89.75           | 313.027     | 5,354.82            | 5,928.89   | -5,525.71  | 8,085.04              | 0.00                  | 0.00                 | 0.00                |  |
| 13,800.00           | 89.75           | 313.027     | 5,355.25            | 5,997.13   | -5,598.82  | 8,185.04              | 0.00                  | 0.00                 | 0.00                |  |
| 13,900.00           | 89.75           | 313.027     | 5,355.68            | 6,065.36   | -5,671.92  | 8,285.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,000.00           | 89.75           | 313.027     | 5,356.12            | 6,133.59   | -5,745.02  | 8,385.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,100.00           | 89.75           | 313.027     | 5,356.55            | 6,201.83   | -5,818.12  | 8,485.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,200.00           | 89.75           | 313.027     | 5,356.98            | 6,270.06   | -5,891.22  | 8,585.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,300.00           | 89.75           | 313.027     | 5,357.41            | 6,338.30   | -5,964.33  | 8,685.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,400.00           | 89.75           | 313.027     | 5,357.84            | 6,406.53   | -6,037.43  | 8,785.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,500.00           | 89.75           | 313.027     | 5,358.27            | 6,474.77   | -6,110.53  | 8,885.04              | 0.00                  | 0.00                 | 0.00                |  |
| 14,600.00           | 89.75           | 313.027     | 5,358.70            | 6,543.00   | -6,183.63  | 8,985.03              | 0.00                  | 0.00                 | 0.00                |  |





## Planning Report

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned 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) |
| 14,700.00                      | 89.75           | 313.027     | 5,359.13            | 6,611.23   | -6,256.73  | 9,085.03              | 0.00                  | 0.00                 | 0.00                |
| 14,800.00                      | 89.75           | 313.027     | 5,359.56            | 6,679.47   | -6,329.84  | 9,185.03              | 0.00                  | 0.00                 | 0.00                |
| 14,900.00                      | 89.75           | 313.027     | 5,359.99            | 6,747.70   | -6,402.94  | 9,285.03              | 0.00                  | 0.00                 | 0.00                |
| 15,000.00                      | 89.75           | 313.027     | 5,360.42            | 6,815.94   | -6,476.04  | 9,385.03              | 0.00                  | 0.00                 | 0.00                |
| 15,100.00                      | 89.75           | 313.027     | 5,360.85            | 6,884.17   | -6,549.14  | 9,485.03              | 0.00                  | 0.00                 | 0.00                |
| 15,200.00                      | 89.75           | 313.027     | 5,361.28            | 6,952.41   | -6,622.24  | 9,585.03              | 0.00                  | 0.00                 | 0.00                |
| 15,300.00                      | 89.75           | 313.027     | 5,361.71            | 7,020.64   | -6,695.35  | 9,685.03              | 0.00                  | 0.00                 | 0.00                |
| 15,400.00                      | 89.75           | 313.027     | 5,362.14            | 7,088.87   | -6,768.45  | 9,785.03              | 0.00                  | 0.00                 | 0.00                |
| 15,500.00                      | 89.75           | 313.027     | 5,362.58            | 7,157.11   | -6,841.55  | 9,885.03              | 0.00                  | 0.00                 | 0.00                |
| 15,598.57                      | 89.75           | 313.027     | 5,363.00            | 7,224.37   | -6,913.61  | 9,983.60              | 0.00                  | 0.00                 | 0.00                |
| PBLH @ 15598.57 MD 5363.00 TVD |                 |             |                     |            |            |                       |                       |                      |                     |

| Casing Points       |                     |                        |                     |                   |
|---------------------|---------------------|------------------------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name                   | Casing Diameter (") | Hole Diameter (") |
| 350.00              | 350.00              | 9-5/8" Surface Casing  | 9-5/8               | 12-1/4            |
| 5,638.34            | 5,311.82            | 7" Intermediate Casing | 7                   | 8-1/2             |

| Formations          |                     |                   |           |         |                   |
|---------------------|---------------------|-------------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name              | Lithology | Dip (°) | Dip Direction (°) |
| 835.00              | 835.00              | Ojo Alamo         |           | 0.25    | 313.030           |
| 963.00              | 963.00              | Kirtland          |           | 0.25    | 313.030           |
| 1,240.00            | 1,240.00            | Fruitland         |           | 0.25    | 313.030           |
| 1,583.26            | 1,582.98            | Pictured Cliffs   |           | 0.25    | 313.030           |
| 1,701.18            | 1,699.94            | Lewis             |           | 0.25    | 313.030           |
| 1,991.69            | 1,982.76            | Chacra_A          |           | 0.25    | 313.030           |
| 3,107.47            | 3,058.96            | Cliff House_Basal |           | 0.25    | 313.030           |
| 3,138.55            | 3,088.93            | Menefee           |           | 0.25    | 313.030           |
| 4,122.76            | 4,038.23            | Point Lookout     |           | 0.25    | 313.030           |
| 4,327.51            | 4,238.11            | Mancos            |           | 0.25    | 313.030           |
| 4,698.81            | 4,608.04            | MNCS_A            |           | 0.25    | 313.030           |
| 4,778.81            | 4,688.04            | MNCS_B            |           | 0.25    | 313.030           |
| 4,881.86            | 4,791.05            | MNCS_C            |           | 0.25    | 313.030           |
| 4,924.16            | 4,833.07            | MNCS_Cms          |           | 0.25    | 313.030           |
| 5,045.45            | 4,950.20            | MNCS_D            |           | 0.25    | 313.030           |
| 5,181.37            | 5,070.47            | MNCS_E            |           | 0.25    | 313.030           |
| 5,268.87            | 5,138.71            | MNCS_F            |           | 0.25    | 313.030           |
| 5,383.45            | 5,214.09            | MNCS_G            |           | 0.25    | 313.030           |
| 5,482.75            | 5,264.46            | MNCS_H            |           | 0.25    | 313.030           |
| 5,584.03            | 5,299.87            | MNCS_I            |           | 0.25    | 313.030           |



Planning Report

|           |   |                              |                         |
|-----------|---|------------------------------|-------------------------|
| Database: | DT_Mar1724_v17                          | Local Co-ordinate Reference: | Well Nageezi Unit 209H  |
| Company:  | Enduring Resources LLC                  | TVD Reference:               | RKB=6805+25 @ 6830.00ft |
| Project:  | San Juan County, New Mexico NAD83 NM W  | MD Reference:                | RKB=6805+25 @ 6830.00ft |
| Site:     | Nageezi Unit (207, 209, 211, 623 & 626) | North Reference:             | Grid                    |
| Well:     | Nageezi Unit 209H                       | Survey Calculation Method:   | Minimum Curvature       |
| Wellbore: | Original Hole                           |                              |                         |
| Design:   | rev0                                    |                              |                         |

| Plan Annotations          |                           |                   |               |                                |
|---------------------------|---------------------------|-------------------|---------------|--------------------------------|
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates |               | Comment                        |
|                           |                           | +N/-S<br>(ft)     | +E/-W<br>(ft) |                                |
| 1,400.00                  | 1,400.00                  | 0.00              | 0.00          | KOP Begin 3°/100' build        |
| 1,910.22                  | 1,904.17                  | 9.90              | 67.02         | Begin 15.31° tangent           |
| 4,128.12                  | 4,043.40                  | 95.44             | 646.23        | Begin 3°/100' drop             |
| 4,638.34                  | 4,547.57                  | 105.34            | 713.25        | Begin vertical hold            |
| 4,838.34                  | 4,747.57                  | 105.34            | 713.25        | Begin 10°/100' build           |
| 5,538.34                  | 5,285.97                  | 362.59            | 437.67        | POE @ 5538.34 MD 5285.97 TVD   |
| 5,735.87                  | 5,320.52                  | 494.63            | 296.22        | Begin 89.75° lateral           |
| 15,598.57                 | 5,363.00                  | 7,224.37          | -6,913.61     | PBHL @ 15598.57 MD 5363.00 TVD |





## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | San Juan County, New Mexico NAD83 NM W |                      |                |
| <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 Western Zone                |                      |                |

|                       |   |              |                   |            |               |
|-----------------------|---|--------------|-------------------|------------|---------------|
| Site                  | Nageezi Unit (207, 209, 211, 623 & 626) |              |                   |            |               |
| Site Position:        |   | Northing:    | 1,920,927.26 usft | Latitude:  | 36.27916800   |
| From:                 | Lat/Long                                | Easting:     | 2,748,038.68 usft | Longitude: | -107.74869300 |
| Position Uncertainty: | 0.00 ft                                 | Slot Radius: | 13-3/16 "         |            |               |

| Well                 |       | Nageezi Unit 209H, Surf loc: 476 FSL 345 FWL Section 25-T24N-R09W |                     |                   |               |               |
|----------------------|-------|---|---------------------|-------------------|---------------|---------------|
| Well Position        | +N/-S | 0.00 ft   | Northing:           | 1,920,910.10 usft | Latitude:     | 36.27912100   |
|                      | +E/-W | 0.00 ft   | Easting:            | 2,747,980.92 usft | Longitude:    | -107.74888900 |
| Position Uncertainty |       | 0.00 ft   | Wellhead Elevation: | ft                | Ground Level: | 6,805.00 ft   |
| Grid Convergence:    |       | 0.05 °  |                     |                   |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 2/5/2024           | 8.53                   | 62.73                | 49,067.03051851            |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | rev0                         |                   |                      |                      |
| <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) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 313.030              |

|                                 |                      |                                |                     |                |
|---------------------------------|----------------------|--------------------------------|---------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>          | 4/12/2024                      |                     |                |
| <b>Depth From (ft)</b>          | <b>Depth To (ft)</b> | <b>Survey (Wellbore)</b>       | <b>Tool Name</b>    | <b>Remarks</b> |
| 1                               | 0.00                 | 15,598.57 rev0 (Original Hole) | MWD                 |                |
|                                 |                      |                                | OWSG MWD - Standard |                |



Planning Report - Geographic

|           |   |                              |                         |
|-----------|---|------------------------------|-------------------------|
| Database: | DT_Mar1724_v17                          | Local Co-ordinate Reference: | Well Nageezi Unit 209H  |
| Company:  | Enduring Resources LLC                  | TVD Reference:               | RKB=6805+25 @ 6830.00ft |
| Project:  | San Juan County, New Mexico NAD83 NM W  | MD Reference:                | RKB=6805+25 @ 6830.00ft |
| Site:     | Nageezi Unit (207, 209, 211, 623 & 626) | North Reference:             | Grid                    |
| Well:     | Nageezi Unit 209H                       | Survey Calculation Method:   | Minimum Curvature       |
| Wellbore: | Original Hole                           |                              |                         |
| Design:   | rev0                                    |                              |                         |

| Plan Sections       |                 |             |                     |            |            |                       |                      |                     |         |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target              |
| 0.00                | 0.00            | 0.000       | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 1,400.00            | 0.00            | 0.000       | 1,400.00            | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 1,910.22            | 15.31           | 81.599      | 1,904.17            | 9.90       | 67.02      | 3.00                  | 3.00                 | 0.00                | 81.60   |                     |
| 4,128.12            | 15.31           | 81.599      | 4,043.40            | 95.44      | 646.23     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 4,638.34            | 0.00            | 0.005       | 4,547.57            | 105.34     | 713.25     | 3.00                  | -3.00                | 0.00                | 180.00  |                     |
| 4,838.34            | 0.00            | 0.005       | 4,747.57            | 105.34     | 713.25     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 5,538.34            | 70.00           | 313.030     | 5,285.97            | 362.59     | 437.67     | 10.00                 | 10.00                | 0.00                | 313.03  |                     |
| 5,735.87            | 89.75           | 313.027     | 5,320.52            | 494.63     | 296.22     | 10.00                 | 10.00                | 0.00                | -0.01   |                     |
| 15,598.57           | 89.75           | 313.027     | 5,363.00            | 7,224.37   | -6,913.61  | 0.00                  | 0.00                 | 0.00                | 0.00    | Nageezi 209H BHL 24 |



## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned Survey            |                    |                |                           |               |               |                           |                          |             |               |  |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|-------------|---------------|--|
| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Map<br>Northing<br>(usft) | Map<br>Easting<br>(usft) | Latitude    | Longitude     |  |
| 0.00                      | 0.00               | 0.000          | 0.00                      | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 100.00                    | 0.00               | 0.000          | 100.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 200.00                    | 0.00               | 0.000          | 200.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 300.00                    | 0.00               | 0.000          | 300.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 350.00                    | 0.00               | 0.000          | 350.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 9-5/8" Surface Casing     |                    |                |                           |               |               |                           |                          |             |               |  |
| 400.00                    | 0.00               | 0.000          | 400.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 500.00                    | 0.00               | 0.000          | 500.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 600.00                    | 0.00               | 0.000          | 600.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 700.00                    | 0.00               | 0.000          | 700.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 800.00                    | 0.00               | 0.000          | 800.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 835.00                    | 0.00               | 0.000          | 835.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| Ojo Alamo                 |                    |                |                           |               |               |                           |                          |             |               |  |
| 900.00                    | 0.00               | 0.000          | 900.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 963.00                    | 0.00               | 0.000          | 963.00                    | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| Kirtland                  |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,000.00                  | 0.00               | 0.000          | 1,000.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 1,100.00                  | 0.00               | 0.000          | 1,100.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 1,200.00                  | 0.00               | 0.000          | 1,200.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 1,240.00                  | 0.00               | 0.000          | 1,240.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| Fruitland                 |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,300.00                  | 0.00               | 0.000          | 1,300.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| 1,400.00                  | 0.00               | 0.000          | 1,400.00                  | 0.00          | 0.00          | 1,920,910.10              | 2,747,980.92             | 36.27912100 | -107.74888900 |  |
| KOP Begin 3"/100' build   |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,500.00                  | 3.00               | 81.599         | 1,499.95                  | 0.38          | 2.59          | 1,920,910.49              | 2,747,983.51             | 36.27912204 | -107.74888022 |  |
| 1,583.26                  | 5.50               | 81.599         | 1,582.98                  | 1.28          | 8.69          | 1,920,911.39              | 2,747,989.62             | 36.27912451 | -107.74885951 |  |
| Pictured Cliffs           |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,600.00                  | 6.00               | 81.599         | 1,599.63                  | 1.53          | 10.35         | 1,920,911.63              | 2,747,991.27             | 36.27912517 | -107.74885388 |  |
| 1,700.00                  | 9.00               | 81.599         | 1,698.77                  | 3.44          | 23.26         | 1,920,913.54              | 2,748,004.19             | 36.27913038 | -107.74881007 |  |
| 1,701.18                  | 9.04               | 81.599         | 1,699.94                  | 3.46          | 23.44         | 1,920,913.57              | 2,748,004.37             | 36.27913046 | -107.74880945 |  |
| Lewis                     |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,800.00                  | 12.00              | 81.599         | 1,797.08                  | 6.10          | 41.29         | 1,920,916.20              | 2,748,022.21             | 36.27913765 | -107.74874891 |  |
| 1,900.00                  | 15.00              | 81.599         | 1,894.31                  | 9.51          | 64.38         | 1,920,919.61              | 2,748,045.30             | 36.27914697 | -107.74867055 |  |
| 1,910.22                  | 15.31              | 81.599         | 1,904.17                  | 9.90          | 67.02         | 1,920,920.00              | 2,748,047.95             | 36.27914803 | -107.74866159 |  |
| Begin 15.31° tangent      |                    |                |                           |               |               |                           |                          |             |               |  |
| 1,991.69                  | 15.31              | 81.599         | 1,982.76                  | 13.04         | 88.30         | 1,920,923.15              | 2,748,069.22             | 36.27915661 | -107.74858939 |  |
| Chacra_A                  |                    |                |                           |               |               |                           |                          |             |               |  |
| 2,000.00                  | 15.31              | 81.599         | 1,990.77                  | 13.36         | 90.47         | 1,920,923.47              | 2,748,071.39             | 36.27915749 | -107.74858203 |  |
| 2,100.00                  | 15.31              | 81.599         | 2,087.22                  | 17.22         | 116.58        | 1,920,927.32              | 2,748,097.51             | 36.27916802 | -107.74849341 |  |
| 2,200.00                  | 15.31              | 81.599         | 2,183.67                  | 21.08         | 142.70        | 1,920,931.18              | 2,748,123.62             | 36.27917855 | -107.74840480 |  |
| 2,300.00                  | 15.31              | 81.599         | 2,280.13                  | 24.93         | 168.81        | 1,920,935.04              | 2,748,149.74             | 36.27918908 | -107.74831618 |  |
| 2,400.00                  | 15.31              | 81.599         | 2,376.58                  | 28.79         | 194.93        | 1,920,938.89              | 2,748,175.85             | 36.27919962 | -107.74822757 |  |
| 2,500.00                  | 15.31              | 81.599         | 2,473.03                  | 32.65         | 221.04        | 1,920,942.75              | 2,748,201.97             | 36.27921015 | -107.74813895 |  |
| 2,600.00                  | 15.31              | 81.599         | 2,569.48                  | 36.50         | 247.16        | 1,920,946.61              | 2,748,228.08             | 36.27922068 | -107.74805034 |  |
| 2,700.00                  | 15.31              | 81.599         | 2,665.94                  | 40.36         | 273.27        | 1,920,950.46              | 2,748,254.20             | 36.27923121 | -107.74796172 |  |
| 2,800.00                  | 15.31              | 81.599         | 2,762.39                  | 44.22         | 299.39        | 1,920,954.32              | 2,748,280.31             | 36.27924174 | -107.74787311 |  |
| 2,900.00                  | 15.31              | 81.599         | 2,858.84                  | 48.07         | 325.50        | 1,920,958.18              | 2,748,306.43             | 36.27925228 | -107.74778449 |  |
| 3,000.00                  | 15.31              | 81.599         | 2,955.29                  | 51.93         | 351.62        | 1,920,962.04              | 2,748,332.54             | 36.27926281 | -107.74769588 |  |
| 3,100.00                  | 15.31              | 81.599         | 3,051.75                  | 55.79         | 377.73        | 1,920,965.89              | 2,748,358.66             | 36.27927334 | -107.74760726 |  |
| 3,107.47                  | 15.31              | 81.599         | 3,058.96                  | 56.08         | 379.69        | 1,920,966.18              | 2,748,360.61             | 36.27927413 | -107.74760064 |  |
| Cliff House_Basal         |                    |                |                           |               |               |                           |                          |             |               |  |
| 3,138.55                  | 15.31              | 81.599         | 3,088.93                  | 57.27         | 387.80        | 1,920,967.38              | 2,748,368.73             | 36.27927740 | -107.74757310 |  |
| Menefee                   |                    |                |                           |               |               |                           |                          |             |               |  |





## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned Survey       |             |         |          |        |        |              |              |             |  |               |
|----------------------|-------------|---------|----------|--------|--------|--------------|--------------|-------------|--|---------------|
| Measured             |             |         | Vertical |        |        | Map          | Map          |             |  |               |
| Depth                | Inclination | Azimuth | Depth    | +N/-S  | +E/-W  | Northing     | Easting      |             |  |               |
| (ft)                 | (°)         | (°)     | (ft)     | (ft)   | (ft)   | (usft)       | (usft)       | Latitude    |  | Longitude     |
| 3,200.00             | 15.31       | 81.599  | 3,148.20 | 59.64  | 403.85 | 1,920,969.75 | 2,748,384.77 | 36.27928387 |  | -107.74751865 |
| 3,300.00             | 15.31       | 81.599  | 3,244.65 | 63.50  | 429.96 | 1,920,973.61 | 2,748,410.89 | 36.27929440 |  | -107.74743003 |
| 3,400.00             | 15.31       | 81.599  | 3,341.11 | 67.36  | 456.08 | 1,920,977.46 | 2,748,437.00 | 36.27930494 |  | -107.74734142 |
| 3,500.00             | 15.31       | 81.599  | 3,437.56 | 71.22  | 482.19 | 1,920,981.32 | 2,748,463.12 | 36.27931547 |  | -107.74725280 |
| 3,600.00             | 15.31       | 81.599  | 3,534.01 | 75.07  | 508.31 | 1,920,985.18 | 2,748,489.23 | 36.27932600 |  | -107.74716419 |
| 3,700.00             | 15.31       | 81.599  | 3,630.46 | 78.93  | 534.42 | 1,920,989.03 | 2,748,515.35 | 36.27933653 |  | -107.74707557 |
| 3,800.00             | 15.31       | 81.599  | 3,726.92 | 82.79  | 560.54 | 1,920,992.89 | 2,748,541.46 | 36.27934706 |  | -107.74698696 |
| 3,900.00             | 15.31       | 81.599  | 3,823.37 | 86.64  | 586.65 | 1,920,996.75 | 2,748,567.58 | 36.27935759 |  | -107.74689834 |
| 4,000.00             | 15.31       | 81.599  | 3,919.82 | 90.50  | 612.77 | 1,921,000.60 | 2,748,593.69 | 36.27936812 |  | -107.74680973 |
| 4,100.00             | 15.31       | 81.599  | 4,016.27 | 94.36  | 638.88 | 1,921,004.46 | 2,748,619.81 | 36.27937865 |  | -107.74672111 |
| 4,122.76             | 15.31       | 81.599  | 4,038.23 | 95.23  | 644.83 | 1,921,005.34 | 2,748,625.75 | 36.27938105 |  | -107.74670095 |
| Point Lookout        |             |         |          |        |        |              |              |             |  |               |
| 4,128.12             | 15.31       | 81.599  | 4,043.40 | 95.44  | 646.23 | 1,921,005.55 | 2,748,627.15 | 36.27938162 |  | -107.74669620 |
| Begin 3°/100' drop   |             |         |          |        |        |              |              |             |  |               |
| 4,200.00             | 13.15       | 81.599  | 4,113.07 | 98.02  | 663.71 | 1,921,008.13 | 2,748,644.63 | 36.27938866 |  | -107.74663689 |
| 4,300.00             | 10.15       | 81.599  | 4,211.00 | 100.97 | 683.68 | 1,921,011.08 | 2,748,664.60 | 36.27939672 |  | -107.74656911 |
| 4,327.51             | 9.32        | 81.599  | 4,238.11 | 101.65 | 688.28 | 1,921,011.76 | 2,748,669.21 | 36.27939857 |  | -107.74655350 |
| Mancos               |             |         |          |        |        |              |              |             |  |               |
| 4,400.00             | 7.15        | 81.599  | 4,309.85 | 103.17 | 698.56 | 1,921,013.27 | 2,748,679.48 | 36.27940272 |  | -107.74651863 |
| 4,500.00             | 4.15        | 81.599  | 4,409.35 | 104.61 | 708.30 | 1,921,014.71 | 2,748,689.22 | 36.27940664 |  | -107.74648559 |
| 4,600.00             | 1.15        | 81.599  | 4,509.23 | 105.28 | 712.87 | 1,921,015.39 | 2,748,693.79 | 36.27940849 |  | -107.74647007 |
| 4,638.34             | 0.00        | 0.005   | 4,547.57 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| Begin vertical hold  |             |         |          |        |        |              |              |             |  |               |
| 4,698.81             | 0.00        | 0.000   | 4,608.04 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| MNCS_A               |             |         |          |        |        |              |              |             |  |               |
| 4,700.00             | 0.00        | 0.000   | 4,609.23 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| 4,778.81             | 0.00        | 0.000   | 4,688.04 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| MNCS_B               |             |         |          |        |        |              |              |             |  |               |
| 4,800.00             | 0.00        | 0.000   | 4,709.23 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| 4,838.34             | 0.00        | 0.000   | 4,747.57 | 105.34 | 713.25 | 1,921,015.44 | 2,748,694.17 | 36.27940864 |  | -107.74646878 |
| Begin 10°/100' build |             |         |          |        |        |              |              |             |  |               |
| 4,850.00             | 1.17        | 313.030 | 4,759.23 | 105.42 | 713.16 | 1,921,015.53 | 2,748,694.09 | 36.27940886 |  | -107.74646907 |
| 4,881.86             | 4.35        | 313.030 | 4,791.05 | 106.47 | 712.04 | 1,921,016.57 | 2,748,692.97 | 36.27941174 |  | -107.74647287 |
| MNCS_C               |             |         |          |        |        |              |              |             |  |               |
| 4,900.00             | 6.17        | 313.030 | 4,809.11 | 107.60 | 710.83 | 1,921,017.71 | 2,748,691.75 | 36.27941486 |  | -107.74647699 |
| 4,924.16             | 8.58        | 313.030 | 4,833.07 | 109.72 | 708.56 | 1,921,019.82 | 2,748,689.48 | 36.27942068 |  | -107.74648467 |
| MNCS_Cms             |             |         |          |        |        |              |              |             |  |               |
| 4,950.00             | 11.17       | 313.030 | 4,858.52 | 112.74 | 705.32 | 1,921,022.85 | 2,748,686.24 | 36.27942899 |  | -107.74649565 |
| 5,000.00             | 16.17       | 313.030 | 4,907.09 | 120.80 | 696.69 | 1,921,030.90 | 2,748,677.61 | 36.27945115 |  | -107.74652492 |
| 5,045.45             | 20.71       | 313.030 | 4,950.20 | 130.61 | 686.18 | 1,921,040.71 | 2,748,667.11 | 36.27947812 |  | -107.74656053 |
| MNCS_D               |             |         |          |        |        |              |              |             |  |               |
| 5,050.00             | 21.17       | 313.030 | 4,954.45 | 131.72 | 685.00 | 1,921,041.82 | 2,748,665.92 | 36.27948117 |  | -107.74656456 |
| 5,100.00             | 26.17       | 313.030 | 5,000.23 | 145.41 | 670.33 | 1,921,055.51 | 2,748,651.25 | 36.27951881 |  | -107.74661428 |
| 5,150.00             | 31.17       | 313.030 | 5,044.09 | 161.77 | 652.80 | 1,921,071.87 | 2,748,633.72 | 36.27956380 |  | -107.74667370 |
| 5,181.37             | 34.30       | 313.030 | 5,070.47 | 173.34 | 640.40 | 1,921,083.45 | 2,748,621.32 | 36.27959563 |  | -107.74671573 |
| MNCS_E               |             |         |          |        |        |              |              |             |  |               |
| 5,200.00             | 36.17       | 313.030 | 5,085.69 | 180.68 | 632.55 | 1,921,090.78 | 2,748,613.47 | 36.27961580 |  | -107.74674236 |
| 5,250.00             | 41.17       | 313.030 | 5,124.72 | 201.99 | 609.72 | 1,921,112.09 | 2,748,590.64 | 36.27967439 |  | -107.74681975 |
| 5,268.87             | 43.05       | 313.030 | 5,138.71 | 210.62 | 600.47 | 1,921,120.72 | 2,748,581.39 | 36.27969813 |  | -107.74685110 |
| MNCS_F               |             |         |          |        |        |              |              |             |  |               |
| 5,300.00             | 46.17       | 313.030 | 5,160.87 | 225.54 | 584.49 | 1,921,135.64 | 2,748,565.41 | 36.27973915 |  | -107.74690527 |
| 5,350.00             | 51.17       | 313.030 | 5,193.88 | 251.15 | 557.05 | 1,921,161.25 | 2,748,537.98 | 36.27980957 |  | -107.74699828 |





## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned Survey                      |                 |             |                     |            |            |                     |                    |             |               |
|-------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 5,383.45                            | 54.51           | 313.030     | 5,214.09            | 269.34     | 537.57     | 1,921,179.44        | 2,748,518.49       | 36.27985958 | -107.74706432 |
| <b>MNCS_G</b>                       |                 |             |                     |            |            |                     |                    |             |               |
| 5,400.00                            | 56.17           | 313.030     | 5,223.50            | 278.62     | 527.62     | 1,921,188.73        | 2,748,508.54       | 36.27988512 | -107.74709806 |
| 5,450.00                            | 61.17           | 313.030     | 5,249.49            | 307.76     | 496.41     | 1,921,217.86        | 2,748,477.33       | 36.27996523 | -107.74720386 |
| 5,482.75                            | 64.44           | 313.030     | 5,264.46            | 327.63     | 475.12     | 1,921,237.74        | 2,748,456.04       | 36.28001988 | -107.74727604 |
| <b>MNCS_H</b>                       |                 |             |                     |            |            |                     |                    |             |               |
| 5,500.00                            | 66.17           | 313.030     | 5,271.67            | 338.33     | 463.66     | 1,921,248.43        | 2,748,444.59       | 36.28004928 | -107.74731487 |
| 5,538.34                            | 70.00           | 313.030     | 5,285.97            | 362.59     | 437.67     | 1,921,272.70        | 2,748,418.59       | 36.28011601 | -107.74740300 |
| <b>POE @ 5538.34 MD 5285.97 TVD</b> |                 |             |                     |            |            |                     |                    |             |               |
| 5,550.00                            | 71.17           | 313.030     | 5,289.85            | 370.10     | 429.63     | 1,921,280.20        | 2,748,410.55       | 36.28013664 | -107.74743025 |
| 5,584.03                            | 74.57           | 313.029     | 5,299.87            | 392.29     | 405.86     | 1,921,302.39        | 2,748,386.79       | 36.28019765 | -107.74751082 |
| <b>MNCS_I</b>                       |                 |             |                     |            |            |                     |                    |             |               |
| 5,600.00                            | 76.17           | 313.029     | 5,303.91            | 402.83     | 394.57     | 1,921,312.93        | 2,748,375.49       | 36.28022664 | -107.74754911 |
| 5,638.34                            | 80.00           | 313.029     | 5,311.82            | 428.42     | 367.15     | 1,921,338.53        | 2,748,348.07       | 36.28029702 | -107.74764206 |
| <b>7" Intermediate Casing</b>       |                 |             |                     |            |            |                     |                    |             |               |
| 5,650.00                            | 81.17           | 313.029     | 5,313.73            | 436.27     | 358.74     | 1,921,346.38        | 2,748,339.66       | 36.28031860 | -107.74767057 |
| 5,700.00                            | 86.17           | 313.028     | 5,319.25            | 470.17     | 322.42     | 1,921,380.27        | 2,748,303.35       | 36.28041181 | -107.74779368 |
| 5,735.87                            | 89.75           | 313.027     | 5,320.52            | 494.63     | 296.22     | 1,921,404.73        | 2,748,277.14       | 36.28047906 | -107.74788251 |
| <b>Begin 89.75° lateral</b>         |                 |             |                     |            |            |                     |                    |             |               |
| 5,800.00                            | 89.75           | 313.027     | 5,320.80            | 538.39     | 249.34     | 1,921,448.49        | 2,748,230.27       | 36.28059938 | -107.74804143 |
| 5,900.00                            | 89.75           | 313.027     | 5,321.23            | 606.62     | 176.24     | 1,921,516.72        | 2,748,157.16       | 36.28078700 | -107.74828925 |
| 6,000.00                            | 89.75           | 313.027     | 5,321.66            | 674.85     | 103.14     | 1,921,584.96        | 2,748,084.06       | 36.28097462 | -107.74853707 |
| 6,100.00                            | 89.75           | 313.027     | 5,322.09            | 743.09     | 30.04      | 1,921,653.19        | 2,748,010.96       | 36.28116223 | -107.74878490 |
| 6,200.00                            | 89.75           | 313.027     | 5,322.52            | 811.32     | -43.07     | 1,921,721.43        | 2,747,937.86       | 36.28134985 | -107.74903272 |
| 6,300.00                            | 89.75           | 313.027     | 5,322.95            | 879.56     | -116.17    | 1,921,789.66        | 2,747,864.76       | 36.28153747 | -107.74928055 |
| 6,400.00                            | 89.75           | 313.027     | 5,323.38            | 947.79     | -189.27    | 1,921,857.89        | 2,747,791.66       | 36.28172509 | -107.74952837 |
| 6,500.00                            | 89.75           | 313.027     | 5,323.81            | 1,016.03   | -262.37    | 1,921,926.13        | 2,747,718.55       | 36.28191271 | -107.74977620 |
| 6,600.00                            | 89.75           | 313.027     | 5,324.24            | 1,084.26   | -335.47    | 1,921,994.36        | 2,747,645.45       | 36.28210032 | -107.75002403 |
| 6,700.00                            | 89.75           | 313.027     | 5,324.67            | 1,152.49   | -408.58    | 1,922,062.60        | 2,747,572.35       | 36.28228794 | -107.75027186 |
| 6,800.00                            | 89.75           | 313.027     | 5,325.11            | 1,220.73   | -481.68    | 1,922,130.83        | 2,747,499.25       | 36.28247555 | -107.75051969 |
| 6,900.00                            | 89.75           | 313.027     | 5,325.54            | 1,288.96   | -554.78    | 1,922,199.06        | 2,747,426.15       | 36.28266317 | -107.75076753 |
| 7,000.00                            | 89.75           | 313.027     | 5,325.97            | 1,357.20   | -627.88    | 1,922,267.30        | 2,747,353.04       | 36.28285078 | -107.75101536 |
| 7,100.00                            | 89.75           | 313.027     | 5,326.40            | 1,425.43   | -700.98    | 1,922,335.53        | 2,747,279.94       | 36.28303840 | -107.75126320 |
| 7,200.00                            | 89.75           | 313.027     | 5,326.83            | 1,493.67   | -774.09    | 1,922,403.77        | 2,747,206.84       | 36.28322601 | -107.75151103 |
| 7,300.00                            | 89.75           | 313.027     | 5,327.26            | 1,561.90   | -847.19    | 1,922,472.00        | 2,747,133.74       | 36.28341362 | -107.75175887 |
| 7,400.00                            | 89.75           | 313.027     | 5,327.69            | 1,630.13   | -920.29    | 1,922,540.23        | 2,747,060.64       | 36.28360123 | -107.75200671 |
| 7,500.00                            | 89.75           | 313.027     | 5,328.12            | 1,698.37   | -993.39    | 1,922,608.47        | 2,746,987.54       | 36.28378885 | -107.75225455 |
| 7,600.00                            | 89.75           | 313.027     | 5,328.55            | 1,766.60   | -1,066.49  | 1,922,676.70        | 2,746,914.43       | 36.28397646 | -107.75250239 |
| 7,700.00                            | 89.75           | 313.027     | 5,328.98            | 1,834.84   | -1,139.60  | 1,922,744.94        | 2,746,841.33       | 36.28416407 | -107.75275023 |
| 7,800.00                            | 89.75           | 313.027     | 5,329.41            | 1,903.07   | -1,212.70  | 1,922,813.17        | 2,746,768.23       | 36.28435168 | -107.75299808 |
| 7,900.00                            | 89.75           | 313.027     | 5,329.84            | 1,971.30   | -1,285.80  | 1,922,881.41        | 2,746,695.13       | 36.28453929 | -107.75324592 |
| 8,000.00                            | 89.75           | 313.027     | 5,330.27            | 2,039.54   | -1,358.90  | 1,922,949.64        | 2,746,622.03       | 36.28472690 | -107.75349377 |
| 8,100.00                            | 89.75           | 313.027     | 5,330.70            | 2,107.77   | -1,432.00  | 1,923,017.87        | 2,746,548.92       | 36.28491451 | -107.75374162 |
| 8,200.00                            | 89.75           | 313.027     | 5,331.14            | 2,176.01   | -1,505.11  | 1,923,086.11        | 2,746,475.82       | 36.28510211 | -107.75398947 |
| 8,300.00                            | 89.75           | 313.027     | 5,331.57            | 2,244.24   | -1,578.21  | 1,923,154.34        | 2,746,402.72       | 36.28528972 | -107.75423731 |
| 8,400.00                            | 89.75           | 313.027     | 5,332.00            | 2,312.48   | -1,651.31  | 1,923,222.58        | 2,746,329.62       | 36.28547733 | -107.75448517 |
| 8,500.00                            | 89.75           | 313.027     | 5,332.43            | 2,380.71   | -1,724.41  | 1,923,290.81        | 2,746,256.52       | 36.28566494 | -107.75473302 |
| 8,600.00                            | 89.75           | 313.027     | 5,332.86            | 2,448.94   | -1,797.51  | 1,923,359.04        | 2,746,183.41       | 36.28585254 | -107.75498087 |
| 8,700.00                            | 89.75           | 313.027     | 5,333.29            | 2,517.18   | -1,870.62  | 1,923,427.28        | 2,746,110.31       | 36.28604015 | -107.75522873 |
| 8,800.00                            | 89.75           | 313.027     | 5,333.72            | 2,585.41   | -1,943.72  | 1,923,495.51        | 2,746,037.21       | 36.28622775 | -107.75547658 |
| 8,900.00                            | 89.75           | 313.027     | 5,334.15            | 2,653.65   | -2,016.82  | 1,923,563.75        | 2,745,964.11       | 36.28641536 | -107.75572444 |
| 9,000.00                            | 89.75           | 313.027     | 5,334.58            | 2,721.88   | -2,089.92  | 1,923,631.98        | 2,745,891.01       | 36.28660296 | -107.75597230 |
| 9,100.00                            | 89.75           | 313.027     | 5,335.01            | 2,790.12   | -2,163.02  | 1,923,700.22        | 2,745,817.91       | 36.28679056 | -107.75622015 |
| 9,200.00                            | 89.75           | 313.027     | 5,335.44            | 2,858.35   | -2,236.13  | 1,923,768.45        | 2,745,744.80       | 36.28697817 | -107.75646802 |





## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned Survey      |                 |             |                     |            |            |                     |                    |             |               |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 9,300.00            | 89.75           | 313.027     | 5,335.87            | 2,926.58   | -2,309.23  | 1,923,836.68        | 2,745,671.70       | 36.28716577 | -107.75671588 |
| 9,400.00            | 89.75           | 313.027     | 5,336.30            | 2,994.82   | -2,382.33  | 1,923,904.92        | 2,745,598.60       | 36.28735337 | -107.75696374 |
| 9,500.00            | 89.75           | 313.027     | 5,336.73            | 3,063.05   | -2,455.43  | 1,923,973.15        | 2,745,525.50       | 36.28754097 | -107.75721160 |
| 9,600.00            | 89.75           | 313.027     | 5,337.16            | 3,131.29   | -2,528.53  | 1,924,041.39        | 2,745,452.40       | 36.28772857 | -107.75745947 |
| 9,700.00            | 89.75           | 313.027     | 5,337.60            | 3,199.52   | -2,601.64  | 1,924,109.62        | 2,745,379.29       | 36.28791617 | -107.75770733 |
| 9,800.00            | 89.75           | 313.027     | 5,338.03            | 3,267.76   | -2,674.74  | 1,924,177.85        | 2,745,306.19       | 36.28810377 | -107.75795520 |
| 9,900.00            | 89.75           | 313.027     | 5,338.46            | 3,335.99   | -2,747.84  | 1,924,246.09        | 2,745,233.09       | 36.28829137 | -107.75820307 |
| 10,000.00           | 89.75           | 313.027     | 5,338.89            | 3,404.22   | -2,820.94  | 1,924,314.32        | 2,745,159.99       | 36.28847897 | -107.75845094 |
| 10,100.00           | 89.75           | 313.027     | 5,339.32            | 3,472.46   | -2,894.04  | 1,924,382.56        | 2,745,086.89       | 36.28866657 | -107.75869881 |
| 10,200.00           | 89.75           | 313.027     | 5,339.75            | 3,540.69   | -2,967.15  | 1,924,450.79        | 2,745,013.79       | 36.28885417 | -107.75894668 |
| 10,300.00           | 89.75           | 313.027     | 5,340.18            | 3,608.93   | -3,040.25  | 1,924,519.02        | 2,744,940.68       | 36.28904177 | -107.75919456 |
| 10,400.00           | 89.75           | 313.027     | 5,340.61            | 3,677.16   | -3,113.35  | 1,924,587.26        | 2,744,867.58       | 36.28922936 | -107.75944243 |
| 10,500.00           | 89.75           | 313.027     | 5,341.04            | 3,745.40   | -3,186.45  | 1,924,655.49        | 2,744,794.48       | 36.28941696 | -107.75969031 |
| 10,600.00           | 89.75           | 313.027     | 5,341.47            | 3,813.63   | -3,259.55  | 1,924,723.73        | 2,744,721.38       | 36.28960455 | -107.75993818 |
| 10,700.00           | 89.75           | 313.027     | 5,341.90            | 3,881.86   | -3,332.65  | 1,924,791.96        | 2,744,648.28       | 36.28979215 | -107.76018606 |
| 10,800.00           | 89.75           | 313.027     | 5,342.33            | 3,950.10   | -3,405.76  | 1,924,860.20        | 2,744,575.17       | 36.28997974 | -107.76043394 |
| 10,900.00           | 89.75           | 313.027     | 5,342.76            | 4,018.33   | -3,478.86  | 1,924,928.43        | 2,744,502.07       | 36.29016734 | -107.76068182 |
| 11,000.00           | 89.75           | 313.027     | 5,343.19            | 4,086.57   | -3,551.96  | 1,924,996.66        | 2,744,428.97       | 36.29035493 | -107.76092970 |
| 11,100.00           | 89.75           | 313.027     | 5,343.63            | 4,154.80   | -3,625.06  | 1,925,064.90        | 2,744,355.87       | 36.29054253 | -107.76117759 |
| 11,200.00           | 89.75           | 313.027     | 5,344.06            | 4,223.04   | -3,698.16  | 1,925,133.13        | 2,744,282.77       | 36.29073012 | -107.76142547 |
| 11,300.00           | 89.75           | 313.027     | 5,344.49            | 4,291.27   | -3,771.27  | 1,925,201.37        | 2,744,209.67       | 36.29091771 | -107.76167336 |
| 11,400.00           | 89.75           | 313.027     | 5,344.92            | 4,359.50   | -3,844.37  | 1,925,269.60        | 2,744,136.56       | 36.29110530 | -107.76192124 |
| 11,500.00           | 89.75           | 313.027     | 5,345.35            | 4,427.74   | -3,917.47  | 1,925,337.83        | 2,744,063.46       | 36.29129289 | -107.76216913 |
| 11,600.00           | 89.75           | 313.027     | 5,345.78            | 4,495.97   | -3,990.57  | 1,925,406.07        | 2,743,990.36       | 36.29148048 | -107.76241702 |
| 11,700.00           | 89.75           | 313.027     | 5,346.21            | 4,564.21   | -4,063.67  | 1,925,474.30        | 2,743,917.26       | 36.29166807 | -107.76266491 |
| 11,800.00           | 89.75           | 313.027     | 5,346.64            | 4,632.44   | -4,136.78  | 1,925,542.54        | 2,743,844.16       | 36.29185566 | -107.76291280 |
| 11,900.00           | 89.75           | 313.027     | 5,347.07            | 4,700.68   | -4,209.88  | 1,925,610.77        | 2,743,771.05       | 36.29204325 | -107.76316069 |
| 12,000.00           | 89.75           | 313.027     | 5,347.50            | 4,768.91   | -4,282.98  | 1,925,679.00        | 2,743,697.95       | 36.29223084 | -107.76340859 |
| 12,100.00           | 89.75           | 313.027     | 5,347.93            | 4,837.14   | -4,356.08  | 1,925,747.24        | 2,743,624.85       | 36.29241843 | -107.76365648 |
| 12,200.00           | 89.75           | 313.027     | 5,348.36            | 4,905.38   | -4,429.18  | 1,925,815.47        | 2,743,551.75       | 36.29260602 | -107.76390438 |
| 12,300.00           | 89.75           | 313.027     | 5,348.79            | 4,973.61   | -4,502.29  | 1,925,883.71        | 2,743,478.65       | 36.29279360 | -107.76415227 |
| 12,400.00           | 89.75           | 313.027     | 5,349.22            | 5,041.85   | -4,575.39  | 1,925,951.94        | 2,743,405.55       | 36.29298119 | -107.76440017 |
| 12,500.00           | 89.75           | 313.027     | 5,349.65            | 5,110.08   | -4,648.49  | 1,926,020.18        | 2,743,332.44       | 36.29316878 | -107.76464807 |
| 12,600.00           | 89.75           | 313.027     | 5,350.09            | 5,178.32   | -4,721.59  | 1,926,088.41        | 2,743,259.34       | 36.29335636 | -107.76489597 |
| 12,700.00           | 89.75           | 313.027     | 5,350.52            | 5,246.55   | -4,794.69  | 1,926,156.64        | 2,743,186.24       | 36.29354395 | -107.76514388 |
| 12,800.00           | 89.75           | 313.027     | 5,350.95            | 5,314.78   | -4,867.80  | 1,926,224.88        | 2,743,113.14       | 36.29373153 | -107.76539178 |
| 12,900.00           | 89.75           | 313.027     | 5,351.38            | 5,383.02   | -4,940.90  | 1,926,293.11        | 2,743,040.04       | 36.29391911 | -107.76563968 |
| 13,000.00           | 89.75           | 313.027     | 5,351.81            | 5,451.25   | -5,014.00  | 1,926,361.35        | 2,742,966.93       | 36.29410670 | -107.76588759 |
| 13,100.00           | 89.75           | 313.027     | 5,352.24            | 5,519.49   | -5,087.10  | 1,926,429.58        | 2,742,893.83       | 36.29429428 | -107.76613549 |
| 13,200.00           | 89.75           | 313.027     | 5,352.67            | 5,587.72   | -5,160.20  | 1,926,497.81        | 2,742,820.73       | 36.29448186 | -107.76638340 |
| 13,300.00           | 89.75           | 313.027     | 5,353.10            | 5,655.96   | -5,233.31  | 1,926,566.05        | 2,742,747.63       | 36.29466944 | -107.76663131 |
| 13,400.00           | 89.75           | 313.027     | 5,353.53            | 5,724.19   | -5,306.41  | 1,926,634.28        | 2,742,674.53       | 36.29485702 | -107.76687922 |
| 13,500.00           | 89.75           | 313.027     | 5,353.96            | 5,792.42   | -5,379.51  | 1,926,702.52        | 2,742,601.42       | 36.29504461 | -107.76712713 |
| 13,600.00           | 89.75           | 313.027     | 5,354.39            | 5,860.66   | -5,452.61  | 1,926,770.75        | 2,742,528.32       | 36.29523219 | -107.76737505 |
| 13,700.00           | 89.75           | 313.027     | 5,354.82            | 5,928.89   | -5,525.71  | 1,926,838.98        | 2,742,455.22       | 36.29541977 | -107.76762296 |
| 13,800.00           | 89.75           | 313.027     | 5,355.25            | 5,997.13   | -5,598.82  | 1,926,907.22        | 2,742,382.12       | 36.29560734 | -107.76787087 |
| 13,900.00           | 89.75           | 313.027     | 5,355.68            | 6,065.36   | -5,671.92  | 1,926,975.45        | 2,742,309.02       | 36.29579492 | -107.76811879 |
| 14,000.00           | 89.75           | 313.027     | 5,356.12            | 6,133.59   | -5,745.02  | 1,927,043.69        | 2,742,235.92       | 36.29598250 | -107.76836671 |
| 14,100.00           | 89.75           | 313.027     | 5,356.55            | 6,201.83   | -5,818.12  | 1,927,111.92        | 2,742,162.81       | 36.29617008 | -107.76861463 |
| 14,200.00           | 89.75           | 313.027     | 5,356.98            | 6,270.06   | -5,891.22  | 1,927,180.16        | 2,742,089.71       | 36.29635766 | -107.76886255 |
| 14,300.00           | 89.75           | 313.027     | 5,357.41            | 6,338.30   | -5,964.33  | 1,927,248.39        | 2,742,016.61       | 36.29654523 | -107.76911047 |
| 14,400.00           | 89.75           | 313.027     | 5,357.84            | 6,406.53   | -6,037.43  | 1,927,316.62        | 2,741,943.51       | 36.29673281 | -107.76935839 |
| 14,500.00           | 89.75           | 313.027     | 5,358.27            | 6,474.77   | -6,110.53  | 1,927,384.86        | 2,741,870.41       | 36.29692038 | -107.76960631 |
| 14,600.00           | 89.75           | 313.027     | 5,358.70            | 6,543.00   | -6,183.63  | 1,927,453.09        | 2,741,797.30       | 36.29710796 | -107.76985424 |
| 14,700.00           | 89.75           | 313.027     | 5,359.13            | 6,611.23   | -6,256.73  | 1,927,521.33        | 2,741,724.20       | 36.29729553 | -107.77010216 |





## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Planned Survey                 |                 |             |                     |            |            |                     |                    |             |               |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-------------|---------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude    | Longitude     |
| 14,800.00                      | 89.75           | 313.027     | 5,359.56            | 6,679.47   | -6,329.84  | 1,927,589.56        | 2,741,651.10       | 36.29748311 | -107.77035009 |
| 14,900.00                      | 89.75           | 313.027     | 5,359.99            | 6,747.70   | -6,402.94  | 1,927,657.79        | 2,741,578.00       | 36.29767068 | -107.77059802 |
| 15,000.00                      | 89.75           | 313.027     | 5,360.42            | 6,815.94   | -6,476.04  | 1,927,726.03        | 2,741,504.90       | 36.29785825 | -107.77084595 |
| 15,100.00                      | 89.75           | 313.027     | 5,360.85            | 6,884.17   | -6,549.14  | 1,927,794.26        | 2,741,431.80       | 36.29804583 | -107.77109388 |
| 15,200.00                      | 89.75           | 313.027     | 5,361.28            | 6,952.41   | -6,622.24  | 1,927,862.50        | 2,741,358.69       | 36.29823340 | -107.77134181 |
| 15,300.00                      | 89.75           | 313.027     | 5,361.71            | 7,020.64   | -6,695.35  | 1,927,930.73        | 2,741,285.59       | 36.29842097 | -107.77158974 |
| 15,400.00                      | 89.75           | 313.027     | 5,362.14            | 7,088.87   | -6,768.45  | 1,927,998.97        | 2,741,212.49       | 36.29860854 | -107.77183768 |
| 15,500.00                      | 89.75           | 313.027     | 5,362.58            | 7,157.11   | -6,841.55  | 1,928,067.20        | 2,741,139.39       | 36.29879611 | -107.77208561 |
| 15,598.57                      | 89.75           | 313.027     | 5,363.00            | 7,224.37   | -6,913.61  | 1,928,134.46        | 2,741,067.33       | 36.29898100 | -107.77233000 |
| PBHL @ 15598.57 MD 5363.00 TVD |                 |             |                     |            |            |                     |                    |             |               |

| Design Targets  |               |              |          |            |            |                 |                |             |               |  |
|---|---------------|--------------|----------|------------|------------|-----------------|----------------|-------------|---------------|--|
| Target Name<br>- hit/miss target<br>- Shape   | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude    | Longitude     |  |
| Nageezi 209H 0 VS<br>- plan misses target center by 12.63ft at 5616.58ft MD (5307.64 TVD, 413.85 N, 382.76 E)<br>- Point    | 0.00          | 0.000        | 5,320.00 | 412.07     | 384.66     | 1,921,322.17    | 2,748,365.58   | 36.28025205 | -107.74758270 |  |
| Nageezi 209H PPP/POE<br>- plan misses target center by 32.09ft at 5549.65ft MD (5289.74 TVD, 369.87 N, 429.87 E)<br>- Point | 0.00          | 0.000        | 5,320.00 | 362.59     | 437.67     | 1,921,272.69    | 2,748,418.59   | 36.28011600 | -107.74740300 |  |
| Nageezi 209H BHL 2400<br>- plan hits target center<br>- Point   | 0.00          | 0.000        | 5,363.00 | 7,224.37   | -6,913.61  | 1,928,134.46    | 2,741,067.33   | 36.29898100 | -107.77233000 |  |

| Casing Points       |                     |                        |  |  |  |  | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|------------------------|--|--|--|--|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name                   |  |  |  |  |                     |                   |
| 350.00              | 350.00              | 9-5/8" Surface Casing  |  |  |  |  | 9-5/8               | 12-1/4            |
| 5,638.34            | 5,311.82            | 7" Intermediate Casing |  |  |  |  | 7                   | 8-1/2             |



## Planning Report - Geographic

|                  |   |                                     |                         |
|------------------|---|-------------------------------------|-------------------------|
| <b>Database:</b> | DT_Mar1724_v17                          | <b>Local Co-ordinate Reference:</b> | Well Nageezi Unit 209H  |
| <b>Company:</b>  | Enduring Resources LLC                  | <b>TVD Reference:</b>               | RKB=6805+25 @ 6830.00ft |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W  | <b>MD Reference:</b>                | RKB=6805+25 @ 6830.00ft |
| <b>Site:</b>     | Nageezi Unit (207, 209, 211, 623 & 626) | <b>North Reference:</b>             | Grid                    |
| <b>Well:</b>     | Nageezi Unit 209H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | Original Hole                           |                                     |                         |
| <b>Design:</b>   | rev0                                    |                                     |                         |

| Formations          |                     |                   |           |         |                   |  |
|---------------------|---------------------|-------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name              | Lithology | Dip (°) | Dip Direction (°) |  |
| 835.00              | 835.00              | Ojo Alamo         |           | 0.25    | 313.030           |  |
| 963.00              | 963.00              | Kirtland          |           | 0.25    | 313.030           |  |
| 1,240.00            | 1,240.00            | Fruitland         |           | 0.25    | 313.030           |  |
| 1,583.26            | 1,582.98            | Pictured Cliffs   |           | 0.25    | 313.030           |  |
| 1,701.18            | 1,699.94            | Lewis             |           | 0.25    | 313.030           |  |
| 1,991.69            | 1,982.76            | Chacra_A          |           | 0.25    | 313.030           |  |
| 3,107.47            | 3,058.96            | Cliff House_Basal |           | 0.25    | 313.030           |  |
| 3,138.55            | 3,088.93            | Menefee           |           | 0.25    | 313.030           |  |
| 4,122.76            | 4,038.23            | Point Lookout     |           | 0.25    | 313.030           |  |
| 4,327.51            | 4,238.11            | Mancos            |           | 0.25    | 313.030           |  |
| 4,698.81            | 4,608.04            | MNCS_A            |           | 0.25    | 313.030           |  |
| 4,778.81            | 4,688.04            | MNCS_B            |           | 0.25    | 313.030           |  |
| 4,881.86            | 4,791.05            | MNCS_C            |           | 0.25    | 313.030           |  |
| 4,924.16            | 4,833.07            | MNCS_Cms          |           | 0.25    | 313.030           |  |
| 5,045.45            | 4,950.20            | MNCS_D            |           | 0.25    | 313.030           |  |
| 5,181.37            | 5,070.47            | MNCS_E            |           | 0.25    | 313.030           |  |
| 5,268.87            | 5,138.71            | MNCS_F            |           | 0.25    | 313.030           |  |
| 5,383.45            | 5,214.09            | MNCS_G            |           | 0.25    | 313.030           |  |
| 5,482.75            | 5,264.46            | MNCS_H            |           | 0.25    | 313.030           |  |
| 5,584.03            | 5,299.87            | MNCS_I            |           | 0.25    | 313.030           |  |

| Plan Annotations    |                     |                   |            |                                |  |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                                |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) | Comment                        |  |
| 1,400.00            | 1,400.00            | 0.00              | 0.00       | KOP Begin 3°/100' build        |  |
| 1,910.22            | 1,904.17            | 9.90              | 67.02      | Begin 15.31° tangent           |  |
| 4,128.12            | 4,043.40            | 95.44             | 646.23     | Begin 3°/100' drop             |  |
| 4,638.34            | 4,547.57            | 105.34            | 713.25     | Begin vertical hold            |  |
| 4,838.34            | 4,747.57            | 105.34            | 713.25     | Begin 10°/100' build           |  |
| 5,538.34            | 5,285.97            | 362.59            | 437.67     | POE @ 5538.34 MD 5285.97 TVD   |  |
| 5,735.87            | 5,320.52            | 494.63            | 296.22     | Begin 89.75° lateral           |  |
| 15,598.57           | 5,363.00            | 7,224.37          | -6,913.61  | PBHL @ 15598.57 MD 5363.00 TVD |  |

**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 370744

CONDITIONS

|   |  |
|---|--|
| Operator:<br><br>DJR OPERATING, LLC<br>200 Energy Court<br>Farmington, NM 87401 | OGRID:<br><br>371838                                 |
|   | Action Number:<br><br>370744                         |
|   | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By  | Condition   | Condition Date |
|-------------|---|----------------|
| ward.rikala | All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required. | 8/22/2024      |