

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

| | | |
|--|---|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM119281 |
| 2. Name of Operator ENDURING RESOURCES LLC | | 6. If Indian, Allottee or Tribe Name EASTERN NAVAJO |
| Contact: LACEY GRANILLO E-Mail: lgranillo@enduringresources.com | | 7. If Unit or CA/Agreement, Name and/or No. NMNM130812A |
| 3a. Address 1050 17TH STREET SUITE 2500 DENVER, CO 80265 | 3b. Phone No. (include area code) Ph: 505-636-9743 | 8. Well Name and No. S ESCAVADA UNIT 365H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T22N R6W NWSW 2529FSL 160FWL 36.123367 N Lat, 107.482590 W Lon | | 9. API Well No. 30-043-21316-00-X1 |
| | | 10. Field and Pool or Exploratory Area BASIN MANCOS |
| | | 11. County or Parish, State SANDOVAL COUNTY, NM |

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

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

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

CHANGE IN PLANS

A summary of the requested changes to the approved APD is outlined below. Please reference the attachments for additional details.

C102
Moved BHL from section 17 to section 17
Moved POE from section 20 to section 20
Drilling Program
Directional plan updated based on new POE and BHL
Casing program change

ADHERE TO PREVIOUS NMOCD
CONDITIONS OF APPROVAL
FEB 26 2020
DISTRICT III

| | |
|--|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct. | |
| Electronic Submission #501417 verified by the BLM Well Information System For ENDURING RESOURCES LLC, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 02/24/2020 (20JK0135SE) | |
| Name (Printed/Typed) LACEY GRANILLO | Title PERMITTING SPECIALIST |
| Signature (Electronic Submission) | Date 01/30/2020 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------------------------|-------------------|
| Approved By JOE KILLINS | Title PETROLEUM ENGINEER | Date 02/24/2020 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | Office Farmington |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD

Additional data for EC transaction #501417 that would not fit on the form

32. Additional remarks, continued

Surface: 9-5/8" to 13-3/8"

Intermediate: 7" to 9-5/8"

Production: 4-1/2" liner to 5-1/2" long-string

Frac Program

Fluid type: change from nitrogen foam to slick-water

Water volume: increase from not provided bbls to 210,000 bbls (estimated)

Sand weight: increase from 5.9 million lbs to 10.0 million lbs (estimated)

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|---|---|
| ¹ API Number 30-043-2316 | ² Pool Code 52860 | ³ Pool Name RUSTY GALLUP OIL POOL |
| ⁴ Property Code 322151 | ⁵ Property Name S ESCAVADA UNIT | ⁶ Well Number 365H |
| ⁷ GRID No. 372286 | ⁸ Operator Name ENDURING RESOURCES, LLC | ⁹ Elevation 7126 |

¹⁰ Surface Location

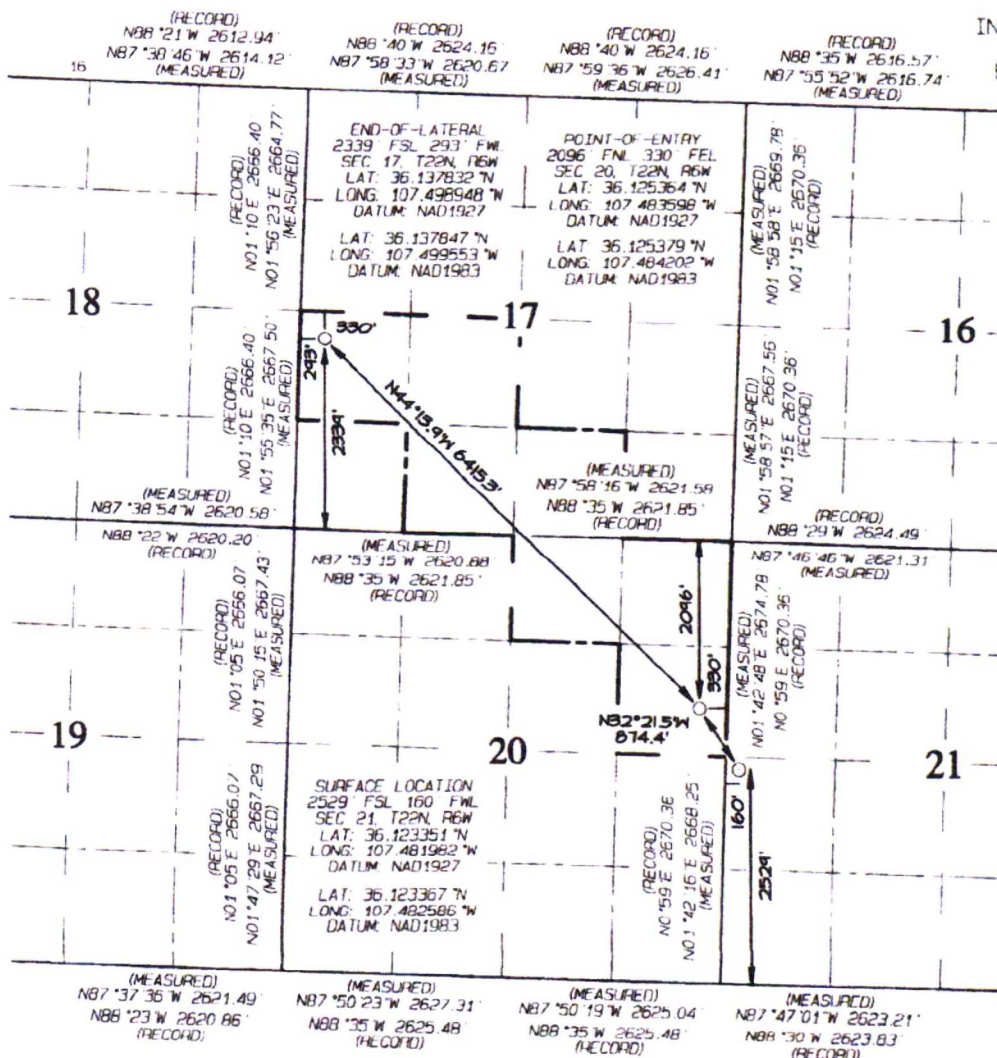
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L | 21 | 22N | 6W | | 2529 | SOUTH | 160 | WEST | SANDOVAL |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| L | 17 | 22N | 6W | | 2339 | SOUTH | 293 | WEST | SANDOVAL |

| | | | |
|--|--|----------------------------------|------------------------------------|
| ¹² Dedicated Acres 280.00 N/2 SW/4, SE/4 SW/4 SW/4 SE/4 - Section 17 N/2 NE/4, SE/4 NE/4 - Section 20 | ¹³ Joint or Infill N/2 SW/4, SE/4 SW/4 SW/4 SE/4 - Section 17 N/2 NE/4, SE/4 NE/4 - Section 20 | ¹⁴ Consolidation Code | ¹⁵ Order No. R-14347 |
|--|--|----------------------------------|------------------------------------|

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



¹⁷ OPERATOR CERTIFICATION

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

Signature: *Jason C. Edwards* Date: 1/8/20

Printed Name: Jason C. Edwards

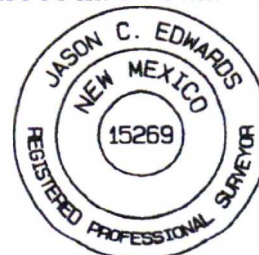
E-mail Address:

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: DECEMBER 5, 2019
Date of Survey: MARCH 1, 2017

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



ENDURING RESOURCES IV, LLC
1050 SEVENTEENTH STREET, SUITE 2500
DENVER, COLORADO 80265

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

WELL INFORMATION:

Name: S ESCAVADA UNIT 365H

API Number: 30-043-21316

AFE Number: not yet assigned

ER Well Number: not yet assigned

State: New Mexico

County: Sandoval

Surface Elevation: 7,126 ft ASL (GL)

7,154 ft ASL (KB)

Surface Location: 21-22N-06W Sec-Twn-Rng

2,529 ft FSL

160 ft FWL

36.123367 ° N latitude

107.482586 ° W longitude

(NAD 83)

BH Location: 17-22N-06W Sec-Twn-Rng

2,339 ft FSL

293 ft FWL

36.137847 ° N latitude

107.499553 ° 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 54.4 miles to MM 97.5; Right (South) on Indian Service Route #46 for 3.5 miles to fork; Right (South) on ISR #36 for 1.1 miles to fork; Left (South) on ISR #46 for 0.2 miles to fork; Right (South) on ISR #46 for 2.6 miles; Right on access road into S Escavada Unit 364H Pad (Wells: SEU 364H, SEU 365H, SEU 366H, TWCA 380H, TWCA 382H).

GEOLOGIC AND RESERVOIR INFORMATION:

| Prognosis: | Formation Tops | TVD (ft ASL) | TVD (ft KB) | MD (ft KB) | O / G / W | Pressure |
|-------------------|-----------------------|---------------------|--------------------|-------------------|------------------|--------------------|
| | Ojo Alamo | 6,124 | 1,030 | 1,030 | W | normal |
| | Kirtland | 5,989 | 1,165 | 1,165 | W | normal |
| | Fruitland | 5,826 | 1,328 | 1,328 | G, W | sub |
| | Pictured Cliffs | 5,537 | 1,617 | 1,617 | G, W | sub |
| | Lewis | 5,399 | 1,755 | 1,755 | G, W | normal |
| | Chacra | 5,146 | 2,008 | 2,008 | G, W | normal |
| | Cliff House | 4,069 | 3,085 | 3,092 | G, W | sub |
| | Menefee | 4,020 | 3,134 | 3,141 | G, W | normal |
| | Point Lookout | 3,140 | 4,014 | 4,027 | G, W | normal |
| | Mancos | 3,018 | 4,136 | 4,150 | O,G | sub (~0.38) |
| | Gallup (MNCS_A) | 2,675 | 4,479 | 4,495 | O,G | sub (~0.38) |
| | MNCS_B | 2,565 | 4,589 | 4,606 | O,G | sub (~0.38) |
| | MNCS_C | 2,480 | 4,674 | 4,691 | O,G | sub (~0.38) |
| | MNCS_Cms | 2,443 | 4,711 | 4,729 | O,G | sub (~0.38) |
| | MNCS_D | 2,310 | 4,844 | 4,866 | O,G | sub (~0.38) |
| | MNCS_E | 2,165 | 4,989 | 5,035 | O,G | sub (~0.38) |
| | MNCS_F | 2,110 | 5,044 | 5,110 | O,G | sub (~0.38) |
| | MNCS_G | 2,045 | 5,109 | 5,216 | O,G | sub (~0.38) |
| | MNCS_H | 1,980 | 5,174 | 5,366 | O,G | sub (~0.38) |
| | P.O.E. TARGET | 1,950 | 5,204 | 5,549 | O,G | sub (~0.38) |
| | PROJECTED TD | 1,900 | 5,254 | 11,965 | O,G | sub (~0.38) |

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: 2,260 psi

Maximum anticipated surface pressure, assuming partially evacuated hole: 1,110 psi
Temperature: Maximum anticipated BHT is 130° 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 9-5/8" casing to TD; gas detection from drillout of 13-3/8" casing to TD.

MWD / LWD: Gamma Ray from drillout of 13-3/8" casing to TD

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

Cased Hole Logs: CBL on 5-1/2" casing from deepest free-fall depth to surface

DRILLING RIG INFORMATION:

Contractor: Ensign

Rig No.: 773

Draw Works: Pacific Rim 1500AC

Mast: ADR 1500S Cantilever Triple (142 ft, 800,000 lbs, 12 lines)

Top Drive: Tesco 500-ESI-1350 (500 ton, 1,350 hp)

Prime Movers: 3 - CAT 3512 (1,475 hp)

Pumps: 3 - Gardner-Denver PZ11 (7,500 psi)

BOPE 1: Cameron single gate ram (pipe) & double gate ram (pipe & blind) (13-5/8", 10,000 psi)

BOPE 2: Cameron annular (13-5/8", 5,000 psi)

Choke 3", 10,000 psi

KB-GL (ft): 28

NOTE: A different rig may be used to drill the well depending on rig availability

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 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 for specifics.

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 (mL/30 min) | PV (cp) | YP (lb/100 sqft) | pH | Comments |
|--------|-------------|----------|----------------|---------|------------------|-----|----------|
| | Fresh Water | 8.4 | N/C | 2 - 8 | 2 - 12 | 9.0 | Spud mud |

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

| Casing Specs: | | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|--------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs | 13.375 | 54.5 | J-55 | BTC | 1,130 | 2,730 | 853,000 | 909,000 |
| Loading | | | | | 153 | 699 | 116,634 | 116,634 |
| Min. S.F. | | | | | 7.39 | 3.90 | 7.31 | 7.79 |

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): Minimum: N/A Optimum: N/A Maximum: N/A

Make-up as per API Buttress Connection running procedure.

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 (cuft/sk) | Water (gal/sk) | Hole Cap. (cuft/ft) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|---------|--------------|-----------------|----------------|---------------------|----------|---------------------|----------------|
| | Class G | 15.8 | 1.174 | 5.15 | 0.6946 | 100% | 0 | 414 |

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

Halliburton HALCEM surface cementing blend

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 | 3,242 ft (MD) | Hole Section Length: | 2,892 ft |
| 350 ft (TVD) | to | 3,234 ft (TVD) | Casing Required: | 3,242 ft |

| Fluid: | Type | MW (ppg) | FL (mL/30 min) | PV (cp) | YP (lb/100 sqft) | pH | Comments |
|--------|------------|-----------|----------------|---------|------------------|-----------|----------|
| | LSND (KCl) | 8.8 - 9.5 | 20 | 8 - 14 | 8 - 14 | 9.0 - 9.5 | |

Hole Size: 12-1/4"

Bit / Motor: PDC 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 (lbs) | Tens. Conn (lbs) |
|---------------|-------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs | 9.625 | 36.0 | J-55 | LTC | 2,020 | 3,520 | 564,000 | 453,000 |
| Loading | | | | | 1,413 | 1,295 | 201,779 | 201,779 |
| Min. S.F. | | | | | 1.43 | 2.72 | 2.80 | 2.25 |

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): Minimum: 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 (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|-------------|--------------|-----------------|----------------|----------|---------------------|----------------|
| Lead | G:POZ Blend | 12.3 | 1.987 | 10.16 | 70% | 0 | 750 |
| Tail | Class G | 15.8 | 1.148 | 4.98 | 20% | 2,742 | 164 |

Annular Capacity 0.3627 cuft/ft 9-5/8" casing x 13-3/8" casing annulus

0.3132 cuft/ft 9-5/8" casing x 12-1/4" hole annulus

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

Halliburton ECONOCHEM & HALCEM cementing blend

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.

| | | | | |
|----------------|----|----------------|----------------------|-----------|
| 3,242 ft (MD) | to | 11,965 ft (MD) | Hole Section Length: | 8,723 ft |
| 3,234 ft (TVD) | to | 5,254 ft (TVD) | Casing Required: | 11,965 ft |

| | | |
|-----------------------------------|---------------|----------------|
| Estimated KOP: | 4,717 ft (MD) | 4,700 ft (TVD) |
| Estimated Landing Point (P.O.E.): | 5,549 ft (MD) | 5,204 ft (TVD) |
| Estimated Lateral Length: | 6,416 ft (MD) | |

| Fluid: | Type | MW (ppg) | FL (mL/30') | PV (cp) | YP (lb/100 sqft) | pH | Comments |
|--------|-----------|-----------|-------------|---------|------------------|-----------|--------------------|
| | LSND (FW) | 8.8 - 9.5 | 20 | 8 - 14 | 8 - 14 | 9.0 - 9.5 | OBM as contingency |

Hole Size: 8-1/2"

Bit / Motor: PDC 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.

| Casing Specs: | Size (in) | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|-----------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs | 5.500 | 17.0 | P-110 | LTC | 7,460 | 10,640 | 546,000 | 445,000 |
| Loading | | | | | 2,595 | 8,992 | 275,520 | 275,520 |
| Min. S.F. | | | | | 2.87 | 1.18 | 1.98 | 1.62 |

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

MU Torque (ft lbs): Minimum: 3,470 Optimum: 4,620 Maximum: 5,780

Casing Summary: Float shoe, 1 jt casing, float collar, 1 jt casing, float collar, 1 jt casing, toe-initiation sleeve, 20' marker joint, toe-initiation sleeve, casing to KOP with 20' marker joints spaced evenly in lateral every 2,000', floatation sub, casing to surface. **The toe-initiation sleeves must be positioned INSIDE the 330' unit setback.**

Centralizers: Centralizer count and placement may be adjusted based on well conditions and as-drilled surveys.

Lateral: 1 centralizer per joint

Curve: 1 centralizer per joint from landing point to KOP

KOP to surf: 1 centralizer per 2 joints

| Cement: | Type | Weight (ppg) | Yield (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|-------------|--------------|-----------------|----------------|----------|---------------------|----------------|
| Lead | G:POZ blend | 12.4 | 1.907 | 9.981 | 50% | 0 | 912 |
| Tail | G:POZ blend | 13.3 | 1.360 | 5.999 | 10% | 4,495 | 1,384 |

Annular Capacity 0.2691 cuft/ft 5-1/2" casing x 9-5/8" casing annulus

0.2291 cuft/ft 5-1/2" casing x 8-1/2" hole annulus

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

Halliburton ECONOCER & EXTENDACER cementing blend

Notify NMOCD & BLM if cement is not circulated to surface.

Note: The lateral may be drilled outside the applicable unit setback to maximize the length of the completed interval and to maximize resource recovery. If the well is drilled outside the setback, the toe initiation sleeve(s) and all perforations will be placed inside the setback. An unorthodox location application is not required because the completed interval will be entirely within the setback as defined and allowed by NMAC 19.15.16.7B(1), NMAC 19.15.16.14B(2), NMAC 19.15.16.15B(2). S Escavada Unit Order Number is R-14347.

FINISH WELL: ND BOP, cap well, RDMO.

COMPLETION AND PRODUCTION PLAN:

Frac: 35 plug-and-perf stages with 210,000 bbls slickwater fluid and 10,000,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)

Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling: TBD

Completion: TBD

Production: TBD

Prepared by: Alec Bridge 1/2/2020

WELL NAME: S ESCAVADA UNIT 365H

OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-H formation

API Number: 30-043-21316

AFE Number: not yet assigned

ER Well Number: not yet assigned

State: New Mexico

County: Sandoval

Surface Elev.: 7,126 ft ASL (GL) 7,154 ft ASL (KB)

Surface Location: 21-22N-06W Sec Two- Rng 2,529 ft FSL 160 ft FWL

BH Location: 17-22N-06W Sec Two- Rng 2339 ft FSL 293 ft FWL

Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM: South on US Hwy 550 for 54.4 miles to NM 97.5; Right (South) on Indian Service Route #46 for 3.5 miles to fork; Right (South) on ISR #36 for 1.1 miles to fork; Left (South) on ISR #46 for 0.2 miles to fork; Right (South) on ISR #46 for 2.6 miles; Right on access road into S Escavada Unit 364H Pad (Wells: SEU 364H, SEU 365H, SEU 366H, TWCA 380H, TWCA 382H).

| QUICK REFERENCE | |
|-----------------|-------------|
| Sur TD (MD) | 350 ft |
| Int TD (MD) | 3,242 ft |
| KOP (MD) | 4,717 ft |
| KOP (TVD) | 4,700 ft |
| Target (TVD) | 5,204 ft |
| Curve BUR | 10 °/100 ft |
| POE (MD) | 5,549 ft |
| TD (MD) | 11,965 ft |
| Lat Len (ft) | 6,416 ft |

WELL CONSTRUCTION SUMMARY:

| | Hole (in) | TD MD (ft) | Csg (in) | Csg (lb/ft) | Csg (grade) | Csg (conn) | Csg Top (ft) | Csg Bot (ft) |
|--------------|-----------|------------|----------|-------------|-------------|------------|--------------|--------------|
| Surface | 17.500 | 350 | 13.375 | 54.5 | J-55 | BTC | 0 | 350 |
| Intermediate | 12.250 | 3,242 | 9.625 | 36.0 | J-55 | LTC | 0 | 3,242 |
| Production | 8.500 | 11,965 | 5.500 | 17.0 | P-110 | LTC | 0 | 11,965 |

CEMENT PROPERTIES SUMMARY:

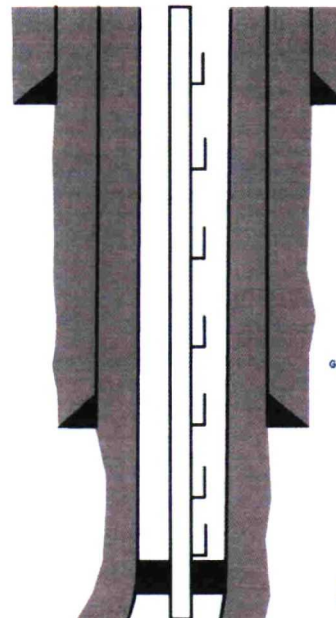
| | Type | Wt (ppg) | Yd (cuft/sk) | Wtr (gal/sk) | Hole Cap. (cuft/ft) | % Excess | TOC (ft MD) | Total (sx) |
|---------------|-------------|----------|--------------|--------------|---------------------|----------|-------------|------------|
| Surface | Class G | 15.8 | 1.174 | 5.15 | 0.6946 | 100% | 0 | 414 |
| Inter. (Lead) | G-POZ Blend | 12.3 | 1.987 | 10.16 | 0.3627 | 70% | 0 | 750 |
| Inter. (Tail) | Class G | 15.8 | 1.148 | 4.98 | 0.3132 | 20% | 2,742 | 164 |
| Prod. (Lead) | G-POZ blend | 12.4 | 1.907 | 9.981 | 0.2691 | 50% | 0 | 912 |
| Prod. (Tail) | G-POZ blend | 13.3 | 1.360 | 5.999 | 0.2291 | 10% | 4,495 | 1,384 |

COMPLETION / PRODUCTION SUMMARY:

Frac: 35 plug-and-perf stages with 210,000 bbls slickwater fluid and 10,000,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)

Production: Produce through production tubing via gas-lift into permanent production and storage facilities



| Tops | TVD (ft KB) | MD (ft KB) |
|-----------------|-------------|------------|
| Ojo Alamo | 1,030 | 1,030 |
| Kirtland | 1,165 | 1,165 |
| Fruitland | 1,328 | 1,328 |
| Pictured Cliffs | 1,617 | 1,617 |
| Lewis | 1,755 | 1,755 |
| Chacra | 2,008 | 2,008 |
| Cliff House | 3,085 | 3,092 |
| Manefee | 3,134 | 3,141 |
| Point Lookout | 4,014 | 4,027 |
| Mancos | 4,136 | 4,150 |
| Gallup (MNCS_A) | 4,479 | 4,495 |
| MNCS_B | 4,589 | 4,606 |
| MNCS_C | 4,674 | 4,691 |
| MNCS_Cms | 4,711 | 4,729 |
| MNCS_D | 4,844 | 4,866 |
| MNCS_E | 4,989 | 5,035 |
| MNCS_F | 5,044 | 5,110 |
| MNCS_G | 5,109 | 5,216 |
| MNCS_H | 5,174 | 5,366 |
| P.O.E. TARGET | 5,204 | 5,549 |
| PROJECTED TD | 5,254 | 11,965 |

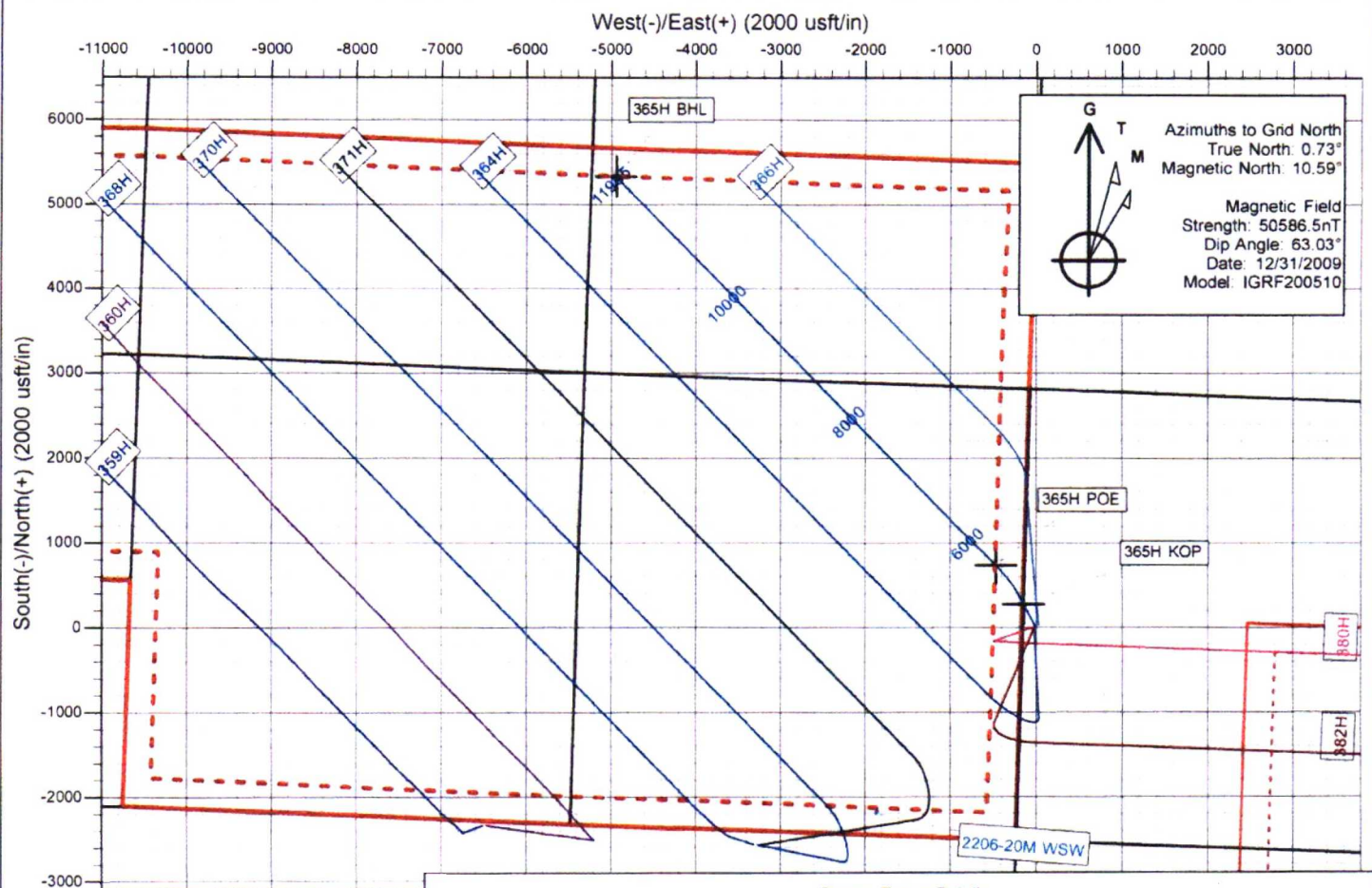


Enduring Resources LLC

Directional Drilling Plan Plan View & Section View

S Escavada Unit 365H

Sandoval Co., New Mexico
T22N, R06W, Sec.21, Lot L
Surface Latitude: 36.123367°N
Surface Longitude: 107.482586°W
Ground Level: 7126.0
Reference Elevation: KB @ 7154.0usft (Original Well Elev)

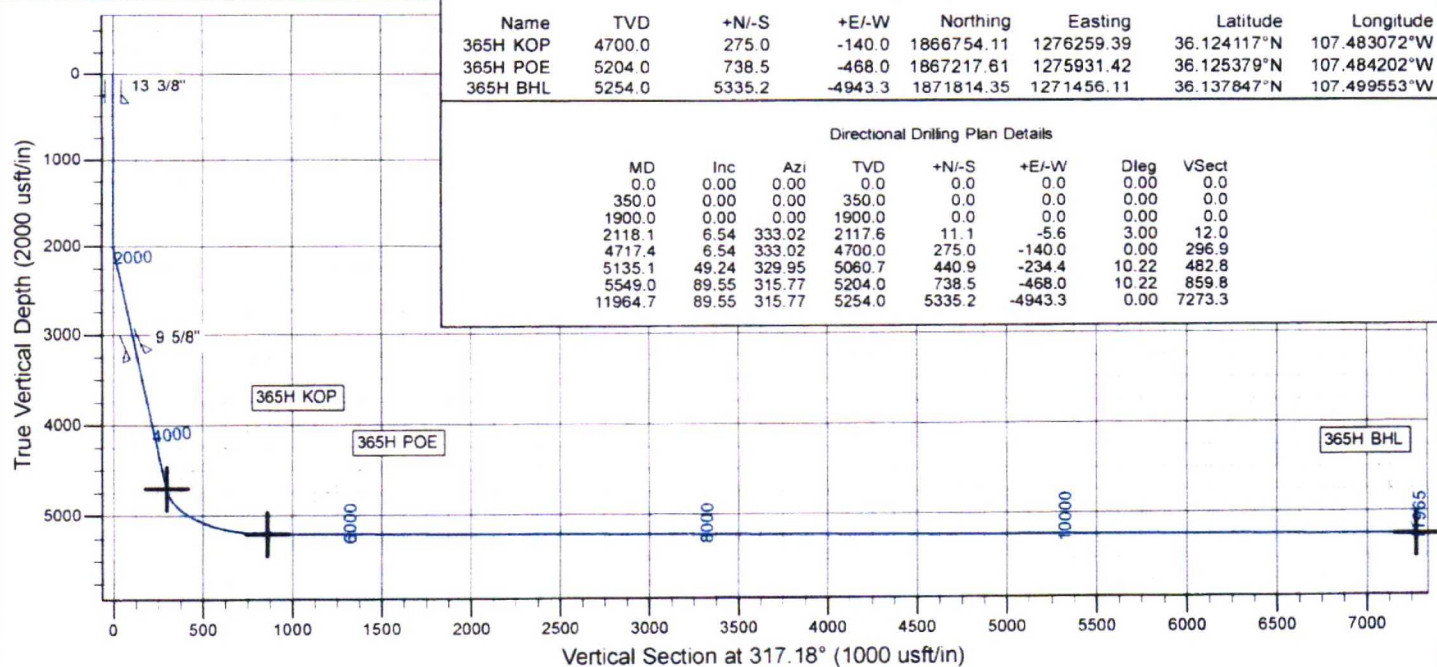


Design Target Details

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|----------|--------|--------|---------|------------|------------|-------------|--------------|
| 365H KOP | 4700.0 | 275.0 | -140.0 | 1866754.11 | 1276259.39 | 36.124117°N | 107.483072°W |
| 365H POE | 5204.0 | 738.5 | -468.0 | 1867217.61 | 1275931.42 | 36.125379°N | 107.484202°W |
| 365H BHL | 5254.0 | 5335.2 | -4943.3 | 1871814.35 | 1271456.11 | 36.137847°N | 107.499553°W |

Directional Drilling Plan Details

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | Vsect |
|---------|-------|--------|--------|--------|---------|-------|--------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| 1900.0 | 0.00 | 0.00 | 1900.0 | 0.0 | 0.0 | 0.00 | 0.0 |
| 2118.1 | 6.54 | 333.02 | 2117.6 | 11.1 | -5.6 | 3.00 | 12.0 |
| 4717.4 | 49.24 | 329.95 | 4700.0 | 275.0 | -140.0 | 0.00 | 296.9 |
| 5135.1 | 89.55 | 315.77 | 5060.7 | 440.9 | -234.4 | 10.22 | 482.8 |
| 5549.0 | 89.55 | 315.77 | 5204.0 | 738.5 | -468.0 | 10.22 | 859.8 |
| 11964.7 | 89.55 | 315.77 | 5254.0 | 5335.2 | -4943.3 | 0.00 | 7273.3 |





Enduring Resources LLC

San Juan Basin - S Escavada Unit & Terra Wash CA

364H Pad

365H

Wellbore #1

Plan: Design #1

Standard Planning Report

30 December, 2019



Planning Report

Database: EDM
Company: Enduring Resources LLC
Project: San Juan Basin - S Escavada Unit & Terra Wash CA
Site: 364H Pad
Well: 365H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well 365H
TVD Reference: KB @ 7154.0usft (Original Well Elev)
MD Reference: KB @ 7154.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project San Juan Basin - S Escavada Unit & Terra Wash CA
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Central Zone
System Datum: Mean Sea Level

Site 364H Pad, Sandoval Co., New Mexico
Site Position: Northing: 1,866,466.20 usft Latitude: 36.123331°N
From: Lat/Long Easting: 1,276,383.87 usft Longitude: 107.482638°W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: -0.73°

Well 365H
Well Position +N/-S 12.9 usft Northing: 1,866,479.11 usft Latitude: 36.123367°N
+E/-W 15.5 usft Easting: 1,276,399.39 usft Longitude: 107.482586°W
Position Uncertainty 0.0 usft Wellhead Elevation: Ground Level: 7,126.0 usft

Wellbore Wellbore #1
Magnetics

| Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|------------|-------------|-----------------|---------------|---------------------|
| IGRF200510 | 12/31/2009 | 9.86 | 63.03 | 50,586.50301671 |

Design Design #1
Audit Notes:
Version: Phase: PROTOTYPE Tie On Depth: 0.0
Vertical Section:

| Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|-------------------------|--------------|--------------|---------------|
| 0.0 | 0.0 | 0.0 | 317.18 |

Plan Survey Tool Program Date 12/27/2019

| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks |
|-------------------|-----------------|-------------------|-------------------------|---------------------|
| 1 | 0.0 | 11,964.7 | Design #1 (Wellbore #1) | MWD |
| | | | | OWSG MWD - Standard |

Plan Sections

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,118.1 | 6.54 | 333.02 | 2,117.6 | 11.1 | -5.6 | 3.00 | 3.00 | 0.00 | 333.02 | |
| 4,717.4 | 6.54 | 333.02 | 4,700.0 | 275.0 | -140.0 | 0.00 | 0.00 | 0.00 | 0.00 | 365H KOP |
| 5,135.1 | 49.24 | 329.95 | 5,060.7 | 440.9 | -234.4 | 10.22 | 10.22 | -0.73 | -3.43 | |
| 5,549.0 | 89.55 | 315.77 | 5,204.0 | 738.5 | -468.0 | 10.22 | 9.74 | -3.43 | -21.35 | 365H POE |
| 11,964.7 | 89.55 | 315.77 | 5,254.0 | 5,335.2 | -4,943.3 | 0.00 | 0.00 | 0.00 | 0.00 | 365H BHL |



Planning Report

Database: EDM
Company: Enduring Resources LLC
Project: San Juan Basin - S Escavada Unit & Terra Wash CA
Site: 364H Pad
Well: 365H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well 365H
TVD Reference: KB @ 7154.0usft (Original Well Elev)
MD Reference: KB @ 7154.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 13 3/8" | | | | | | | | | |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,030.0 | 0.00 | 0.00 | 1,030.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Ojo Alamo | | | | | | | | | |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,165.0 | 0.00 | 0.00 | 1,165.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Kirtland | | | | | | | | | |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,328.0 | 0.00 | 0.00 | 1,328.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Fruitland | | | | | | | | | |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,617.0 | 0.00 | 0.00 | 1,617.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Pictured Cliffs | | | | | | | | | |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,755.0 | 0.00 | 0.00 | 1,755.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Lewis | | | | | | | | | |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 3.00 | 333.02 | 2,000.0 | 2.3 | -1.2 | 2.5 | 3.00 | 3.00 | 0.00 |
| 2,008.1 | 3.24 | 333.02 | 2,008.0 | 2.7 | -1.4 | 2.9 | 3.00 | 3.00 | 0.00 |
| Chacra | | | | | | | | | |
| 2,100.0 | 6.00 | 333.02 | 2,099.6 | 9.3 | -4.7 | 10.1 | 3.00 | 3.00 | 0.00 |
| 2,118.1 | 6.54 | 333.02 | 2,117.6 | 11.1 | -5.6 | 12.0 | 3.00 | 3.00 | 0.00 |
| 2,200.0 | 6.54 | 333.02 | 2,199.0 | 19.4 | -9.9 | 20.9 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 6.54 | 333.02 | 2,298.3 | 29.6 | -15.0 | 31.9 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 6.54 | 333.02 | 2,397.7 | 39.7 | -20.2 | 42.9 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 6.54 | 333.02 | 2,497.0 | 49.9 | -25.4 | 53.8 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 6.54 | 333.02 | 2,596.4 | 60.0 | -30.6 | 64.8 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 6.54 | 333.02 | 2,695.7 | 70.2 | -35.7 | 75.7 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 6.54 | 333.02 | 2,795.1 | 80.3 | -40.9 | 86.7 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 6.54 | 333.02 | 2,894.4 | 90.5 | -46.1 | 97.7 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 6.54 | 333.02 | 2,993.8 | 100.6 | -51.2 | 108.6 | 0.00 | 0.00 | 0.00 |
| 3,091.8 | 6.54 | 333.02 | 3,085.0 | 109.9 | -56.0 | 118.7 | 0.00 | 0.00 | 0.00 |
| Cliff House | | | | | | | | | |
| 3,100.0 | 6.54 | 333.02 | 3,093.1 | 110.8 | -56.4 | 119.6 | 0.00 | 0.00 | 0.00 |
| 3,141.1 | 6.54 | 333.02 | 3,134.0 | 115.0 | -58.5 | 124.1 | 0.00 | 0.00 | 0.00 |
| Menefee | | | | | | | | | |
| 3,200.0 | 6.54 | 333.02 | 3,192.5 | 120.9 | -61.6 | 130.6 | 0.00 | 0.00 | 0.00 |



Planning Report

Database: EDM
Company: Enduring Resources LLC
Project: San Juan Basin - S Escavada Unit & Terra Wash CA
Site: 364H Pad
Well: 365H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well 365H
TVD Reference: KB @ 7154.0usft (Original Well Elev)
MD Reference: KB @ 7154.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 3,241.8 | 6.54 | 333.02 | 3,234.0 | 125.2 | -63.7 | 135.1 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | |
| 3,300.0 | 6.54 | 333.02 | 3,291.8 | 131.1 | -66.7 | 141.5 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 6.54 | 333.02 | 3,391.2 | 141.2 | -71.9 | 152.5 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 6.54 | 333.02 | 3,490.5 | 151.4 | -77.1 | 163.4 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 6.54 | 333.02 | 3,589.9 | 161.5 | -82.2 | 174.4 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 6.54 | 333.02 | 3,689.2 | 171.7 | -87.4 | 185.4 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 6.54 | 333.02 | 3,788.6 | 181.9 | -92.6 | 196.3 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 6.54 | 333.02 | 3,887.9 | 192.0 | -97.7 | 207.3 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 6.54 | 333.02 | 3,987.3 | 202.2 | -102.9 | 218.2 | 0.00 | 0.00 | 0.00 |
| 4,026.9 | 6.54 | 333.02 | 4,014.0 | 204.9 | -104.3 | 221.2 | 0.00 | 0.00 | 0.00 |
| Point Lookout | | | | | | | | | |
| 4,100.0 | 6.54 | 333.02 | 4,086.6 | 212.3 | -108.1 | 229.2 | 0.00 | 0.00 | 0.00 |
| 4,149.7 | 6.54 | 333.02 | 4,136.0 | 217.4 | -110.7 | 234.6 | 0.00 | 0.00 | 0.00 |
| Mancos | | | | | | | | | |
| 4,200.0 | 6.54 | 333.02 | 4,186.0 | 222.5 | -113.3 | 240.2 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 6.54 | 333.02 | 4,285.3 | 232.6 | -118.4 | 251.1 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 6.54 | 333.02 | 4,384.7 | 242.8 | -123.6 | 262.1 | 0.00 | 0.00 | 0.00 |
| 4,495.0 | 6.54 | 333.02 | 4,479.0 | 252.4 | -128.5 | 272.5 | 0.00 | 0.00 | 0.00 |
| Gallup (MNCS A) | | | | | | | | | |
| 4,500.0 | 6.54 | 333.02 | 4,484.0 | 252.9 | -128.8 | 273.0 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 6.54 | 333.02 | 4,583.4 | 263.1 | -133.9 | 284.0 | 0.00 | 0.00 | 0.00 |
| 4,605.7 | 6.54 | 333.02 | 4,589.0 | 263.7 | -134.2 | 284.6 | 0.00 | 0.00 | 0.00 |
| MNCS_B | | | | | | | | | |
| 4,691.2 | 6.54 | 333.02 | 4,674.0 | 272.3 | -138.6 | 294.0 | 0.00 | 0.00 | 0.00 |
| MNCS_C | | | | | | | | | |
| 4,700.0 | 6.54 | 333.02 | 4,682.7 | 273.2 | -139.1 | 295.0 | 0.00 | 0.00 | 0.00 |
| 4,717.4 | 6.54 | 333.02 | 4,700.0 | 275.0 | -140.0 | 296.9 | 0.00 | 0.00 | 0.00 |
| 4,728.5 | 7.67 | 332.51 | 4,711.0 | 276.2 | -140.6 | 298.2 | 10.22 | 10.21 | -4.58 |
| MNCS_Cms | | | | | | | | | |
| 4,800.0 | 14.98 | 331.07 | 4,781.1 | 288.6 | -147.3 | 311.8 | 10.22 | 10.22 | -2.01 |
| 4,866.3 | 21.76 | 330.59 | 4,844.0 | 306.8 | -157.5 | 332.1 | 10.22 | 10.22 | -0.72 |
| MNCS_D | | | | | | | | | |
| 4,900.0 | 25.20 | 330.44 | 4,874.9 | 318.5 | -164.1 | 345.2 | 10.22 | 10.22 | -0.44 |
| 5,000.0 | 35.43 | 330.16 | 4,961.1 | 362.3 | -189.1 | 394.2 | 10.22 | 10.22 | -0.28 |
| 5,035.1 | 39.01 | 330.10 | 4,989.0 | 380.6 | -199.7 | 414.9 | 10.22 | 10.22 | -0.19 |
| MNCS_E | | | | | | | | | |
| 5,100.0 | 45.65 | 330.00 | 5,037.0 | 418.5 | -221.5 | 457.5 | 10.22 | 10.22 | -0.15 |
| 5,110.1 | 46.69 | 329.98 | 5,044.0 | 424.9 | -225.1 | 464.7 | 10.22 | 10.22 | -0.13 |
| MNCS_F | | | | | | | | | |
| 5,135.1 | 49.24 | 329.95 | 5,060.7 | 440.9 | -234.4 | 482.8 | 10.22 | 10.22 | -0.13 |
| 5,200.0 | 55.46 | 327.03 | 5,100.3 | 484.6 | -261.3 | 533.1 | 10.22 | 9.58 | -4.51 |
| 5,215.6 | 56.96 | 326.39 | 5,109.0 | 495.5 | -268.4 | 545.9 | 10.22 | 9.65 | -4.08 |
| MNCS_G | | | | | | | | | |
| 5,300.0 | 65.15 | 323.27 | 5,149.8 | 555.7 | -311.0 | 619.0 | 10.22 | 9.70 | -3.69 |
| 5,365.6 | 71.55 | 321.13 | 5,174.0 | 603.9 | -348.3 | 679.7 | 10.22 | 9.76 | -3.27 |
| MNCS_H | | | | | | | | | |
| 5,400.0 | 74.93 | 320.07 | 5,183.9 | 629.3 | -369.3 | 712.6 | 10.22 | 9.79 | -3.08 |
| 5,500.0 | 84.74 | 317.15 | 5,201.6 | 703.0 | -434.3 | 810.9 | 10.22 | 9.81 | -2.92 |
| 5,549.0 | 89.55 | 315.77 | 5,204.0 | 738.5 | -468.0 | 859.8 | 10.22 | 9.83 | -2.83 |
| 5,600.0 | 89.55 | 315.77 | 5,204.4 | 775.1 | -503.6 | 910.8 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 89.55 | 315.77 | 5,205.2 | 846.7 | -573.3 | 1,010.7 | 0.00 | 0.00 | 0.00 |



Planning Report

Database: EDM
Company: Enduring Resources LLC
Project: San Juan Basin - S Escavada Unit & Terra Wash CA
Site: 364H Pad
Well: 365H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well 365H
TVD Reference: KB @ 7154.0usft (Original Well Elev)
MD Reference: KB @ 7154.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,800.0 | 89.55 | 315.77 | 5,206.0 | 918.4 | -643.1 | 1,110.7 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 89.55 | 315.77 | 5,206.7 | 990.0 | -712.8 | 1,210.7 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 89.55 | 315.77 | 5,207.5 | 1,061.6 | -782.6 | 1,310.6 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 89.55 | 315.77 | 5,208.3 | 1,133.3 | -852.3 | 1,410.6 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 89.55 | 315.77 | 5,209.1 | 1,204.9 | -922.1 | 1,510.6 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 89.55 | 315.77 | 5,209.9 | 1,276.6 | -991.9 | 1,610.5 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 89.55 | 315.77 | 5,210.6 | 1,348.2 | -1,061.6 | 1,710.5 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 89.55 | 315.77 | 5,211.4 | 1,419.9 | -1,131.4 | 1,810.5 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 89.55 | 315.77 | 5,212.2 | 1,491.5 | -1,201.1 | 1,910.4 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 89.55 | 315.77 | 5,213.0 | 1,563.2 | -1,270.9 | 2,010.4 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 89.55 | 315.77 | 5,213.7 | 1,634.8 | -1,340.6 | 2,110.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 89.55 | 315.77 | 5,214.5 | 1,706.5 | -1,410.4 | 2,210.3 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 89.55 | 315.77 | 5,215.3 | 1,778.1 | -1,480.1 | 2,310.3 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 89.55 | 315.77 | 5,216.1 | 1,849.8 | -1,549.9 | 2,410.3 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 89.55 | 315.77 | 5,216.9 | 1,921.4 | -1,619.7 | 2,510.2 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 89.55 | 315.77 | 5,217.6 | 1,993.1 | -1,689.4 | 2,610.2 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 89.55 | 315.77 | 5,218.4 | 2,064.7 | -1,759.2 | 2,710.2 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 89.55 | 315.77 | 5,219.2 | 2,136.4 | -1,828.9 | 2,810.1 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 89.55 | 315.77 | 5,220.0 | 2,208.0 | -1,898.7 | 2,910.1 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 89.55 | 315.77 | 5,220.8 | 2,279.7 | -1,968.4 | 3,010.1 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 89.55 | 315.77 | 5,221.5 | 2,351.3 | -2,038.2 | 3,110.0 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 89.55 | 315.77 | 5,222.3 | 2,423.0 | -2,107.9 | 3,210.0 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 89.55 | 315.77 | 5,223.1 | 2,494.6 | -2,177.7 | 3,310.0 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 89.55 | 315.77 | 5,223.9 | 2,566.3 | -2,247.5 | 3,409.9 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 89.55 | 315.77 | 5,224.7 | 2,637.9 | -2,317.2 | 3,509.9 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 89.55 | 315.77 | 5,225.4 | 2,709.6 | -2,387.0 | 3,609.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 89.55 | 315.77 | 5,226.2 | 2,781.2 | -2,456.7 | 3,709.8 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 89.55 | 315.77 | 5,227.0 | 2,852.9 | -2,526.5 | 3,809.8 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 89.55 | 315.77 | 5,227.8 | 2,924.5 | -2,596.2 | 3,909.8 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 89.55 | 315.77 | 5,228.6 | 2,996.2 | -2,666.0 | 4,009.7 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 89.55 | 315.77 | 5,229.3 | 3,067.8 | -2,735.7 | 4,109.7 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 89.55 | 315.77 | 5,230.1 | 3,139.5 | -2,805.5 | 4,209.7 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 89.55 | 315.77 | 5,230.9 | 3,211.1 | -2,875.3 | 4,309.6 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 89.55 | 315.77 | 5,231.7 | 3,282.8 | -2,945.0 | 4,409.6 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 89.55 | 315.77 | 5,232.5 | 3,354.4 | -3,014.8 | 4,509.6 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 89.55 | 315.77 | 5,233.2 | 3,426.1 | -3,084.5 | 4,609.5 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 89.55 | 315.77 | 5,234.0 | 3,497.7 | -3,154.3 | 4,709.5 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 89.55 | 315.77 | 5,234.8 | 3,569.3 | -3,224.0 | 4,809.5 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 89.55 | 315.77 | 5,235.6 | 3,641.0 | -3,293.8 | 4,909.4 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 89.55 | 315.77 | 5,236.4 | 3,712.6 | -3,363.5 | 5,009.4 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 89.55 | 315.77 | 5,237.1 | 3,784.3 | -3,433.3 | 5,109.4 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 89.55 | 315.77 | 5,237.9 | 3,855.9 | -3,503.1 | 5,209.3 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 89.55 | 315.77 | 5,238.7 | 3,927.6 | -3,572.8 | 5,309.3 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 89.55 | 315.77 | 5,239.5 | 3,999.2 | -3,642.6 | 5,409.3 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 89.55 | 315.77 | 5,240.2 | 4,070.9 | -3,712.3 | 5,509.2 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 89.55 | 315.77 | 5,241.0 | 4,142.5 | -3,782.1 | 5,609.2 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 89.55 | 315.77 | 5,241.8 | 4,214.2 | -3,851.8 | 5,709.2 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 89.55 | 315.77 | 5,242.6 | 4,285.8 | -3,921.6 | 5,809.1 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 89.55 | 315.77 | 5,243.4 | 4,357.5 | -3,991.4 | 5,909.1 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 89.55 | 315.77 | 5,244.1 | 4,429.1 | -4,061.1 | 6,009.1 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 89.55 | 315.77 | 5,244.9 | 4,500.8 | -4,130.9 | 6,109.0 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 89.55 | 315.77 | 5,245.7 | 4,572.4 | -4,200.6 | 6,209.0 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 89.55 | 315.77 | 5,246.5 | 4,644.1 | -4,270.4 | 6,309.0 | 0.00 | 0.00 | 0.00 |



Planning Report

| | | | |
|------------------|--|-------------------------------------|--------------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well 365H |
| Company: | Enduring Resources LLC | TVD Reference: | KB @ 7154.0usft (Original Well Elev) |
| Project: | San Juan Basin - S Escavada Unit & Terra Wash CA | MD Reference: | KB @ 7154.0usft (Original Well Elev) |
| Site: | 364H Pad | North Reference: | Grid |
| Well: | 365H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 11,100.0 | 89.55 | 315.77 | 5,247.3 | 4,715.7 | -4,340.1 | 6,408.9 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 89.55 | 315.77 | 5,248.0 | 4,787.4 | -4,409.9 | 6,508.9 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 89.55 | 315.77 | 5,248.8 | 4,859.0 | -4,479.6 | 6,608.9 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 89.55 | 315.77 | 5,249.6 | 4,930.7 | -4,549.4 | 6,708.8 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 89.55 | 315.77 | 5,250.4 | 5,002.3 | -4,619.2 | 6,808.8 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 89.55 | 315.77 | 5,251.2 | 5,074.0 | -4,688.9 | 6,908.8 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 89.55 | 315.77 | 5,251.9 | 5,145.6 | -4,758.7 | 7,008.7 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 89.55 | 315.77 | 5,252.7 | 5,217.3 | -4,828.4 | 7,108.7 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 89.55 | 315.77 | 5,253.5 | 5,288.9 | -4,898.2 | 7,208.7 | 0.00 | 0.00 | 0.00 |
| 11,964.7 | 89.55 | 315.77 | 5,254.0 | 5,335.2 | -4,943.3 | 7,273.3 | 0.00 | 0.00 | 0.00 |

Design Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|--------------|
| 365H KOP - plan hits target center - Point | 0.00 | 360.00 | 4,700.0 | 275.0 | -140.0 | 1,866,754.11 | 1,276,259.39 | 36 124118°N | 107 483072°W |
| 365H POE - plan hits target center - Point | 0.00 | 0.00 | 5,204.0 | 738.5 | -468.0 | 1,867,217.61 | 1,275,931.42 | 36 125379°N | 107 484202°W |
| 365H BHL - plan hits target center - Point | 0.00 | 0.00 | 5,254.0 | 5,335.2 | -4,943.3 | 1,871,814.36 | 1,271,456.11 | 36 137847°N | 107 499553°W |

Casing Points

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|-----------------------|-----------------------|---------|---------------------|-------------------|
| 350.0 | 350.0 | 13 3/8" | 13-3/8 | 17-1/2 |
| 3,241.8 | 3,234.0 | 9 5/8" | 9-5/8 | 12-1/4 |



Planning Report

Database: EDM
Company: Enduring Resources LLC
Project: San Juan Basin - S Escavada Unit & Terra Wash CA
Site: 364H Pad
Well: 365H
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well 365H
TVD Reference: KB @ 7154.0usft (Original Well Elev)
MD Reference: KB @ 7154.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|-----------------|-----------|---------|-------------------|
| 1,030.0 | 1,030.0 | Ojo Alamo | | 0.00 | |
| 1,165.0 | 1,165.0 | Kirtland | | 0.00 | |
| 1,328.0 | 1,328.0 | Fruitland | | 0.00 | |
| 1,617.0 | 1,617.0 | Pictured Cliffs | | 0.00 | |
| 1,755.0 | 1,755.0 | Lewis | | 0.00 | |
| 2,008.1 | 2,008.0 | Chacra | | 0.00 | |
| 3,091.8 | 3,085.0 | Cliff House | | 0.00 | |
| 3,141.1 | 3,134.0 | Menefee | | 0.00 | |
| 4,026.9 | 4,014.0 | Point Lookout | | 0.00 | |
| 4,149.7 | 4,136.0 | Mancos | | 0.00 | |
| 4,495.0 | 4,479.0 | Gallup (MNCS A) | | 0.00 | |
| 4,605.7 | 4,589.0 | MNCS_B | | 0.00 | |
| 4,691.2 | 4,674.0 | MNCS_C | | 0.00 | |
| 4,728.5 | 4,711.0 | MNCS_Cms | | 0.00 | |
| 4,866.3 | 4,844.0 | MNCS_D | | 0.00 | |
| 5,035.1 | 4,989.0 | MNCS_E | | 0.00 | |
| 5,110.1 | 5,044.0 | MNCS_F | | 0.00 | |
| 5,215.6 | 5,109.0 | MNCS_G | | 0.00 | |
| 5,365.6 | 5,174.0 | MNCS_H | | 0.00 | |