Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: Oil Well Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing Single Zone Multiple Zone 2. Name of Operator 9. API Well No. 30-045-38416 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area At surface At proposed prod. zone 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. SUPO must be filed with the appropriate Forest Service Office). 6. Such other site specific information and/or plans as may be requested by the 25. Signature Name (Printed/Typed) Date Title Approved by (Signature) Name (Printed/Typed) Date Title Office Application approval 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. Conditions of approval, if any, are attached. 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)

Additional Operator Remarks

Location of Well

0. SHL: SENW / 1815 FNL / 2327 FWL / TWSP: 24N / RANGE: 8W / SECTION: 26 / LAT: 36.287502 / LONG: -107.652231 (TVD: 0 feet, MD: 0 feet) PPP: SENE / 2390 FNL / 440 FEL / TWSP: 24N / RANGE: 8W / SECTION: 26 / LAT: 36.285937 / LONG: -107.643682 (TVD: 5447 feet, MD: 6624 feet) PPP: SESW / 1 FSL / 2486 FWL / TWSP: 24N / RANGE: 8W / SECTION: 23 / LAT: 36.292488 / LONG: -107.651743 (TVD: 5615 feet, MD: 17411 feet) PPP: NESE / 2560 FSL / 1 FEL / TWSP: 24N / RANGE: 8W / SECTION: 22 / LAT: 36.299513 / LONG: -107.660389 (TVD: 5615 feet, MD: 17411 feet) BHL: NWNE / 237 FNL / 2389 FEL / TWSP: 24N / RANGE: 8W / SECTION: 22 / LAT: 36.306259 / LONG: -107.668694 (TVD: 5615 feet, MD: 17411 feet)

BLM Point of Contact

Name: JEFFREY J TAFOYA Title: Assistant Field Manager

Phone: (505) 564-7672

Email: JTAFOYA@BLM.GOV

C-102 Submit Electronically Via OCD Permitting

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

| | Revised July 9, 2024 | | | | | |
|-------------------|----------------------|--|--|--|--|--|
| 0 1 11 1 | ☐ Initial Submittal | | | | | |
| Submittal Type | 🛮 Amended Report | | | | | |
| . , po | ☐ As Drilled | | | | | |

| | | | | | WELL | LOCATION | INFORM | MATION | | | | |
|----------------|------------------|-----------------|--------------|-----------|---|-----------------|------------|-------------------------|---------|-----------------------|---------|------------------|
| API Nu | | 5-384° | 16 | P001 | Code 4228 | 9 | | Pool Name | | LYBROOK GAL | LUP | |
| | ty Code 33677 | 77 | | Prop | erty Name | RIDGE | UNIT | | | Well Number | 130H | |
| OGRID | No. | 372286 | j | Open | ator Name EN | DURING RES | OURCES, | LLC | | Ground Level Elevatio | on 68 | 332 ' |
| Surfaci | e Owner: | ☐ State | ☐ Fee ☐ | Tribal | ⊠ Federal | | Mineral Ov | ner: □ State □ Fee | | Tribal ⊠ Federal | | |
| | | | | | | Surface L | ocation | | | | | |
| UL | Section | Township | Range | Lot | Feet from N/S Line | Feet from E/W L | ine | Latitude | | Longitude | | County |
| F | 26 | 24N | 8W | | 1815' NORTH | 2327 | WEST | 36.287502 | °N | -107.65223 | 31°W | SAN JUAN |
| | | | | | В | ottom Hole | Locatio | nn | | | | |
| UL | Section | Township | Range | Lot | Feet from N/S Line | Feet from E/W L | ine | Latitude | | Longitude | | County |
| В | 22 | 24N | 8W | | 237' NORTH | 2389' | EAST | 36.306259 | °N | -107.66869 | 94 °W | SAN JUAN |
| | ı | | Pene | trated Sp | pacing Unit: | | | | | | | |
| Dedica Acre | ted | · / A - NIL.I / | 4 NIE / 4 | NIE / 4 | CE/4 Continu 00 | Infill or Def | ining Well | Defining Well API | Over | rlapping Spacing Unit | Consoli | dation Code |
| 680. | 1 1 | | | | SE/4 - Section 22 4 SE/4- Section 23 | | | | _ | | | |
| 000. | 00 5 | | | | - Section 26 | | | | | Yes 🗌 No | | |
| Order | Numbers | | | | | | Well setha | cks are under Common Ow | nersh: | in — | | |
| Or der | Tamper 5 | R-2059 | 4 | | | | MCII SCUBG | are ander common ow | ner on. | P. Yes [| □ No | |
| | | | | | K | ick Off Po | int (KOF | 7) | | | | |
| UL | Section | Township | Range | Lot | Feet from N/S Line | Feet from E/W L | ine. | Latitude | | Longitude | | County |
| F | 26 | 24N | 8W | | 1815' NORTH | 2327 ' | WEST | 36.287502 | °N | -107.65223 | 31°W | SAN JUAN |
| | | I | | | Fil | rst Take P | oint (Fi | TP) | | | | 1 |
| UL | Section | Township | Range | Lot | Feet from N/S Line | Feet from E/W L | ine | Latitude | | Longitude | | County |
| Н | 26 | 24N | 8W | | 2390' NORTH | 440 ' | EAST | 36.285937 | °N | -107.64368 | 32 °W | SAN JUAN |
| | | | | | La | nst Take Po | oint (LT | ⊥ 'P) | | | | |
| UL | Section | Township | Range | Lot | Feet from N/S Line | Feet from E/W L | ine | Latitude | | Longitude | | County |
| В | 22 | 24N | 8W | | 237' NORTH | | EAST | 36.306259 | °N | -107.66869 | 94 °W | SAN JUAN |
| | | | | | | | | | | | | |
| Unitize | d Area or | Area of Un | niform Inter | est | Spacing Unit Type | | | | | Ground Floor Elevat | ion | |
| 0 | | DGE UN] | | | | ızontal 🗌 | Vertical | ☐ Directiona | 1 | 0.00.00 | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | \cap | DEDATA | D CE | RTIFICATION | | | SI IDV | EVC | DR CERTIFICA | TTON | |
| I here | eby certif | | | | ned herein is true and comple: | te to the best | I h | ereby certify that the | | | | was plotted from |

I nereby 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 unlessed 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

12/16/2024

Shaw-Marie Ford

sford@enduringresources.com

E-mail Address

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.



JASON LDWARDS

Signature and Seal of Professional Surveyor

Certificate Number

15269

Date of Survey NOVEMBER 30, 2021

BOTTOM HOLE LOCATION(BHL) 237' FNL 2389' FEL SECTION 22, T24N, R8W

LAT 36.306259°N LONG -107.668694°W DATUM: NAD1983

LAST TAKE POINT (LTP) 237' FNL 2389' FEL SECTION 22, T24N, R8W

LAT 36.306259°N LONG -107.668694°W DATUM: NAD1983

SURFACE LOCATION(SHL) 1815' FNL 2327' FWL SECTION 26, T24N, R8W

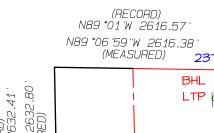
LAT 36.287502 °N LONG -107.652231 °W DATUM: NAD1983

KICK OFF POINT(KOP) 1815' FNL 2327' FWL SECTION 26, T24N, R8W

LAT 36.287502°N LONG -107.652231°W DATUM: NAD1983

FIRST TAKE POINT (FTP) 2390' FNL 440' FEL SECTION 26, T24N, R8W

LAT 36.285937°N LONG -107.643682°W DATUM: NAD1983



N89 °59 W 2640.66

Released to Imaging: [FAG92025 9:33:07 AM



(RECORD) 589 °34 W 2620.20 ' (MEASURED)

N89 °56 W 2645.28 '

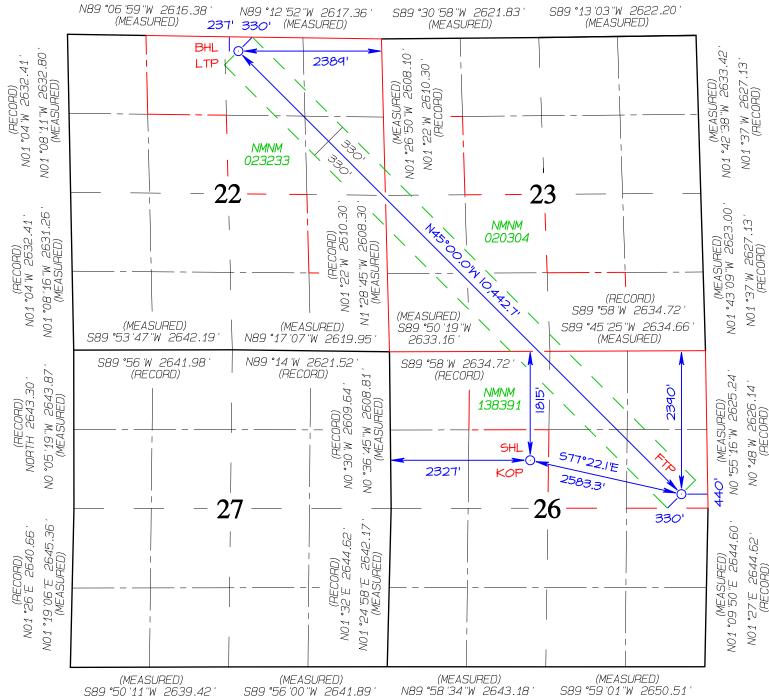
(RECORD)

S89 °34 W 2620.20 (MEASURED)

N89 °56 W 2645.28

(RECORD)

(RECORD)



N89 °59 W 2640.66

(RECORD)

I Operators

Enduring Resources LLC

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Date: 12 / 17 / 2024

[See 19.15.27.9(D)(1) NMAC]

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

OGRID: 372286

| i operatormanag | 1100001100 | 5, 220 | | | 212_ | |
|--|------------|-------------------|-----------------------|--------------------------|--------------------------|----------------------------------|
| II. Type: ⊠ Original □ | Amendme | ent due to □ 19.1 | 5.27.9.D(6)(a) NMAC □ | l 19.15.27.9.D(6)(b) |) NMAC □ Othe | r. |
| If Other, please describe: _ | | | | | | |
| III. Well(s): Provide the for be recompleted from a sing | _ | | | | proposed to be d | rilled or proposed to |
| Well Name | API | ULSTR | Footages | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
| Ridge Unit 130H | TBD | F-26-24N-8W | 1815 FNL x 2327 FWL | 519 | 2075 | 208 |
| Ridge Unit 135H | TBD | F-26-24N-8W | 1822 FNL x 2308 FWL | 510 | 2041 | 204 |
| Ridge Unit 136H | TBD | F-26-24N-8W | 1829 FNL x 2289 FWL | 446 | 1786 | 179 |
| Ridge Unit 137H | TBD | F-26-24N-8W | 1835 FNL x 2270 FWL | 349 | 1395 | 139 |
| | | | | 3-year Decline | 3-year Decline | 3-year Decline |
| Ridge Unit 130H | TBD | F-26-24N-8W | 1815 FNL x 2327 FWL | 117 | 469 | 47 |
| Ridge Unit 135H | TBD | F-26-24N-8W | 1822 FNL x 2308 FWL | 115 | 461 | 46 |
| Ridge Unit 136H | TBD | F-26-24N-8W | 1829 FNL x 2289 FWL | 101 | 403 | 40 |
| Ridge Unit 137H | TBD | F-26-24N-8W | 1835 FNL x 2270 FWL | 79 | 315 | 32 |
| - | - | - | | - | | - |

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

IV. Central Delivery Point Name: Chaco Processing Plant

| Well Name | API | Spud Date | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|-----------------|-----|-----------|--------------------|------------------------------|---------------------------|-----------------------|
| Ridge Unit 130H | TBD | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 |
| Ridge Unit 135H | TBD | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 |
| Ridge Unit 136H | TBD | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 |
| Ridge Unit 137H | TBD | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 | Q3 2025 |
| | | | | | | |

- VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.
- VII. Operational Practices: ⊠ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

Page 1 of 4

VIII. Best Management Practices:

Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

| | | Section 2 – EFFECTIV | Enhanced Plan E APRIL 1, 2022 | | | | | | |
|--|--|---|---|------------------|--|--|--|--|--|
| | Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable eporting area must complete this section. | | | | | | | | |
| | es that it is not require for the applicable re | | tion because Operator is in o | compl | liance with its statewide natural gas | | | | |
| IX. Anticipated Na | tural Gas Productio | on: | | | | | | | |
| Wo | ell | API | Anticipated Average Natural Gas Rate MCF/D |) | Anticipated Volume of Natural Gas for the First Year MCF | | | | |
| | | | | | | | | | |
| X. Natural Gas Ga | thering System (NG | GGS): | | | | | | | |
| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Ava | ailable Maximum Daily Capacity of System Segment Tie-in | | | | |
| | | | | | | | | | |
| production operation the segment or portion | ns to the existing or p on of the natural gas | planned interconnect of t gathering system(s) to v | the natural gas gathering syste which the well(s) will be com- | em(s), nected | ted pipeline route(s) connecting the and the maximum daily capacity of d. 100% of the anticipated natural gas | | | | |
| | | o the date of first produc | | , | • | | | | |
| | | | | | the same segment, or portion, of the pressure caused by the new well(s). | | | | |
| ☐ Attach Operator's | s plan to manage pro | oduction in response to the | he increased line pressure. | | | | | | |
| Section 2 as provide | ed in Paragraph (2) of | | .27.9 NMAC and attaches a f | | 778 for the information provided in scription of the specific information | | | | |

(h)

(i)

Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: 🗵 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system: or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease: (a) power generation for grid; (b) compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery;

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

other alternative beneficial uses approved by the division.

fuel cell production; and

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

| Signature: Shaw-Marie Ford |
|---|
| Printed Name: Shaw-Marie Ford |
| Title: Regulatory Specialist |
| E-mail Address: sford@enduringresources.com |
| Date: 12/17/2024 |
| Phone: 505-716-3297 |
| OIL CONSERVATION DIVISION |
| (Only applicable when submitted as a standalone form) |
| Approved By: |
| Title: |
| Approval Date: |
| Conditions of Approval: |
| |
| |
| |
| |



SEPARATION EQUIPMENT

Enduring Resources, LLC (Enduring) has pulled representative pressurized samples from wells in the same producing formation. Enduring has utilized these samples in process simulations to determine the amount of gas anticipated in each stage of the process and utilized this information with a safety factor to size the equipment listed below:

Separation equipment will be set as follows:

- o Individual 3-phase separator will be set for the individual well.
- o The separator will be sized based on the anticipated volume of the well and the pressure of the lines utilized for oil, gas, and water takeaway.
- o The 3-phase production separator will be equipped with a 0.75 MMBtu/hr indirect fired heater.

Heater treaters will be set as follows:

- o Individual heater treaters will be set for the individual well.
- The heater treaters are sized based on the anticipated combined volume of oil and produced water predicted to come from the initial 3 phase separator.
- Oil will be separated from the produced water and the oil/produced water will be sent to its respective tanks.
- o The combined oil and natural gas stream is routed to the Vapor Recovery Tower.

Vapor Recovery Equipment will be set as follows:

- o The Vapor Recovery Tower has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks.
- The Vapor Recovery Unit has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks. The Vapor Recovery Unit is utilized to push the recovered gas into the sales pipeline.

Production storage tanks will be set as follows:

- The oil and produced water tanks utilize a closed vent capture system to ensure all breathing, working, and flashing losses are routed to the Vapor Recovery Tower and Vapor Recovery Unit.
- o Each of the production storage tanks will be equipped with a 0.5 MMBtu/hr indirect heater.



VENTING and FLARING

Enduring has a natural gas system available prior to startup of completion operations. Enduring utilizes a Vapor Recovery Unit System and sells all natural gas except during periods of startup, shutdown, maintenance, or malfunction for the gas capturing equipment, including the vapor recovery tower, vapor recovery unit, storage tanks, and pipelines.

Currently, Enduring utilizes the following from list A-I of Section 3 for its operations to minimize flaring:

- a) Enduring utilizes natural gas-powered generators to power its leases where grid power isn't available.
- b) When electrical grid power is unavailable, natural gas generators will be used for major equipment onsite.
- c) Enduring's in service compression will be natural gas powered.
- d) Should liquids removal, such as dehydration be required, units will be powered by natural gas.

Enduring will only flare gas during the following times:

- o Scheduled maintenance for gas capturing equipment including:
 - Vapor Recovery Tower
 - Vapor Recovery Unit
 - Storage tanks
 - Pipelines
 - o Emergency flaring



OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

Enduring understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion or production that constitutes waste as defined in 19.15.2 are prohibited.

19.15.27.8 B. Venting and flaring during drilling operations

- o Enduring shall capture or combust natural gas if technically feasible during drilling operations using best industry practices.
- A flare stack with a 100% capacity for expected volumes will be set on location of the facility at least 100 feet from the nearest surface hole location, well heads, and storage tanks.
- o In the event of an emergency, Enduring will vent natural gas in order to avoid substantial impact. Enduring shall report the vented or flared gas to the NMOCD.

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, Enduring utilizes the following:

- o Enduring facilities are built and ready from day 1 of Flowback.
- o Individual well test separators will be set to properly separate gas and liquids. Temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline. See Separation Equipment for details.
- O Should the facility not yet be capable of processing gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or temporary flare to manage natural gas. This flare would meet the following requirements:
 - 1) An appropriately sized flare stack with an automatic igniter.
 - 2) Enduring analyzes the natural gas samples twice per week.
 - 3) Enduring routes the natural gas into a gathering pipeline as soon as the pipeline specifications are met.
 - 4) Enduring provides the NMOCD with pipeline specifications and natural gas data.



19.15.27.8 D. Venting and flaring during production operations

During Production Operations Enduring will not vent or flare natural gas except under the following circumstances:

- 1. During an emergency or malfunction
- 2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided:
 - a. Enduring does not vent after the well achieves a stabilized rate and pressure.
 - b. Enduring will remain present on-site during liquids unloading by manual purging and tall all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time.
 - c. Enduring will optimize the system to minimize natural gas venting on any well equipped with a plunger lift or auto control system.
 - d. Best Management Practices will be used during downhole well maintenance.
- 3. During the first year of production from an exploratory well provided:
 - a. Enduring receives approval from the NMOCD.
 - b. Enduring remains in compliance with the NM gas capture requirements.
 - c. Enduring submits an updated C-129 form to the NMOCD.
- 4. During the following activities unless prohibited:
 - a. Gauging or sampling a storage tank or low-pressure production vessel.
 - b. Loading out liquids from a storage tank.
 - c. Repair and maintenance.
 - d. Normal operation of gas activated pneumatic controller or pump.
 - e. Normal operation of a storage tank but not including venting from a thief hatch.
 - f. Normal operation of dehydration units.
 - g. Normal operations of compressors, compressor engines, turbines, valves, flanges, and connectors.
 - h. During a bradenhead, packer leakage test, or production test lasting less than 24-bours
 - i. When natural gas does not meet the gathering pipeline specifications.
 - j. Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

19.15.27.8 E. Performance standards

- 1. Enduring has utilized process simulations with a safety factor to design all separation and storage equipment. The equipment is routed to a Vapor Recovery System and utilizes a flare as back up for periods of startup, shutdown, maintenance, or malfunction of the VRU System.
- 2. Enduring will install a flare that designed to handle the full volume of vapors from the facility in case of the VRU failure and it its designed with an auto ignition system.
- 3. Flare stacks will appropriately sized and designed to ensure proper combustion efficiency.
 - a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.



- b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts ENDURING of flare malfunction within 18 months after May 25, 2021.
- c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
- d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.
- 4. Enduring will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
- 5. Enduring will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
- 6. Enduring may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
- 7. Facilities will be designed to minimize waste.
- 8. Enduring will resolve emergencies as promptly as possible.

19.15.27.8 F. Measurement or estimation of vented and flared natural gas

- 1. Enduring will have meters on both the low- and high-pressure sides of the flares and the volumes will be recorded in ENDURING's SCADA system.
- 2. Enduring will install equipment to measure the volume of flared natural gas that has an average daily production of 60,000 cubic feet or greater of natural gas.
- 3. Enduring's measuring equipment will conform to the industry standards.
- 4. The measurement system is designed such that it cannot be bypassed except for inspections and servicing meters.
- 5. Enduring will estimate the volume of vented or flared natural gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
- 6. Enduring will estimate the volume of flared and vented natural gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on Form C-116.
- 7. Enduring will install measuring equipment whenever the NMOCD determines that metering is necessary.



BEST MANAGEMENT PRACTICES

Enduring utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

Enduring has a closed vent capture system to route emissions from the heater treater, tanks, and vapor recovery to the vapor recovery unit with an enclosed combustion device (ECD) for backup. The system is designed such that if the vapor recovery unit is taken out of service for any reason, the vapors will be routed to the ECD for combustion.

Enduring will isolate and attempt to route all vapors to the vapor recovery unit or ECD prior to opening any lines for maintenance to minimize venting from the equipment.

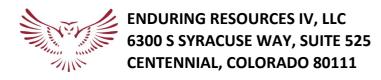
Enduring shall notify the NMOCD of venting or flaring that exceeds 50 MCF but less than 500 MCF in volume that either resulted from an emergency or malfunction, or an event lasting over eight hours or more cumulatively within any 24-hour period from a single event by filing a form C-129 no later than 15 days following the discovery or commencement of venting or flaring.

Enduring shall notify the NMOCD verbally or by e-mail within 24-hours following discovery or commencement of venting or flaring that exceeds 500 MCF in volume or otherwise qualifies as a major release as defined in 19.15.29.7 NMAC from a single event and provide the information required in form C-129 to the NMOCD no later than 15 days that verifies, updates, or corrects the verbal or e-mail notification.

Enduring will install measuring equipment to conform to industry standards such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares.

Enduring's measuring equipment shall not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

Enduring shall report the volume of vented and flared natural gas for each well or facility at which venting or flaring occurred on a monthly basis.



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

WELL INFORMATION:

Name: RIDGE UNIT 130H API Number: Not yet assigned AFE Number: Not yet assigned **ER Well Number: Not yet assigned**

State: New Mexico County: San Juan

Surface Elevation:

6,832 ft ASL (GL)

6,857 ft ASL (KB)

Surface Location: 26-24N-08W Sec-Twn-Rng

1,815 ft FNL

2,327 ft FWL

36.287502 ° N latitude

107.652231 $^{\circ}$ W longitude

(NAD 83)

BH Location: 22-24N-08W Sec-Twn-Rng

237 ft FNL

2,389 ft FEL

36.306259 ° N latitude

107.668694 $^{\circ}$ 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 42.8 miles to MM 109.0, Left (North) on CR 7997 for 1.8 miles to fork in road, Right (North-East) for 0.6 miles to fork in road, Right (Straight)(North-East) for 0.1 miles to access road, Left on access road to Ridge Unit 130H Pad. The 130H well is the furthest well to the East and closest to the location entrance. From East to West: RU 130H, 135H, 136H and 137H.

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

| Formation Tops | TVD (ft ASL) | TVD (ft KB) | MD (ft KB) | O/G/W | Pressure |
|-----------------|--------------|-------------|------------|-------|-------------|
| Ojo Alamo | 5,623 | 1,234 | 1,253 | W | normal |
| Kirtland | 5,500 | 1,357 | 1,389 | W | normal |
| Fruitland | 5,280 | 1,577 | 1,644 | G, W | sub |
| Pictured Cliffs | 4,960 | 1,897 | 2,055 | G, W | sub |
| Lewis | 4,860 | 1,997 | 2,186 | G, W | normal |
| Chacra | 4,545 | 2,312 | 2,598 | G, W | normal |
| Cliff House | 3,445 | 3,412 | 4,037 | G, W | sub |
| Menefee | 3,440 | 3,417 | 4,043 | G, W | normal |
| Point Lookout | 2,605 | 4,252 | 5,136 | G, W | normal |
| Mancos | 2,365 | 4,492 | 5,449 | O,G | sub (~0.38) |
| Gallup (MNCS_A) | 1,990 | 4,867 | 5,906 | O,G | sub (~0.38) |
| MNCS_B | 1,910 | 4,947 | 5,990 | O,G | sub (~0.38) |
| MNCS_C | 1,790 | 5,067 | 6,117 | O,G | sub (~0.38) |
| MNCS_Cms | 1,705 | 5,152 | 6,209 | O,G | sub (~0.38) |
| MNCS_D | 1,635 | 5,222 | 6,289 | O,G | sub (~0.38) |
| MNCS_E | 1,555 | 5,302 | 6,389 | O,G | sub (~0.38) |
| MNCS_F | 1,500 | 5,357 | 6,466 | O,G | sub (~0.38) |
| MNCS_G | 1,410 | 5,447 | 6,624 | O,G | sub (~0.38) |
| MNCS_H | 1,370 | 5,487 | 6,708 | O,G | sub (~0.38) |
| MNCS_I | 1,315 | 5,542 | 6,923 | O,G | sub (~0.38) |
| P.O.E. TARGET | 1,410 | 5,447 | 6,624 | O,G | sub (~0.38) |
| PROJECTED TD | 1,242 | 5,615 | 17,411 | 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

0.43 psi/ft Max. pressure gradient: Evacuated hole gradient: 0.22 psi/ft Maximum anticipated BH pressure, assuming maximum pressure gradient: 2,420 psi Maximum anticipated surface pressure, assuming partially evacuated hole: 1,190 psi

Temperature: Maximum anticipated BHT is 140° 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; gas detection from drill out of 13-3/8" casing to TD; remote geo-steering from drill out of 9-5/8"

casing to TD.

MWD / LWD: MWD surveys with inclination and azimuth in 100' stations (minimum) from drill out of 13-3/8" casing to TD; Gamma

Ray from drill out of 9-5/8" casing to TD; Gamma Ray optional in 12-1/4" intermediate hole

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: Aztec Rig No.: 1000

Draw Works: E80 AC 1,500 hp

Mast: Hyduke Triple (136 ft, 600,000 lbs, 10 lines)

Top Drive: NOV IDS-350PE (350 ton)

Prime Movers: 4 - GE Jenbacher Natural Gas Generator

Pumps: 2 - RS F-1600 (7,500 psi)

BOPE 1: Cameron double gate ram (13-5/8", 3,000 psi)

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

Choke 3", 5,000 psi

KB-GL (ft): 25

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.
- 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.
- 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 minimimize 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.

FL ΥP Fluid: MW (ppg) (mL/30 min) PV (cp) (lb/100 sqft) Comments Type рΗ Fresh Water 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

Minumum:

Logging: None

MU Torque (ft lbs):

| | | | | | | | Tens. Body | Tens. Conn |
|---------------|--------|------------|-------|-------|----------------|-------------|------------|------------|
| Casing Specs: | | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | (lbs) | (lbs) |
| Specs | 13.375 | 54.5 | J-55 | BTC | 1,130 | 2,730 | 853,000 | 909,000 |
| Loading | | | | | 153 | 769 | 116,634 | 116,634 |
| Min. S.F. | | | | | 7.39 | 3.55 | 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 N/A Optimum: N/A Maximum: N/A

Make-up as per API Buttress Connection running procedure.

Casing Details: 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

| | Yield Water Hole Cap. | | | | | Planned TOC | Total Cmt | |
|---------|-----------------------|--------------|-----------|----------|-----------|-------------|-----------|------|
| Cement: | Туре | Weight (ppg) | (cuft/sk) | (gal/sk) | (cuft/ft) | % Excess | (ft MD) | (sx) |
| | TYPE III | 14.6 | 1.39 | 6.686 | 0.6946 | 100% | 0 | 364 |

Annular Capacity 0.6946 cuft/ft 13-3/8" casing x 17-1/2" hole annulus Csg capacity

Drake Energy Services: Calculated cement volumes assume gauge hole and the excess noted in table

Calcium Chloride D-CD2 .3% BWOC
ASTM Type III 2% BWOC Dispersant/Friction reducer Flake - seepage

0.8680

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

| 350 ft (MD) | to | 4,239 ft (MD) | Hole Section Length: | 3,889 ft |
|--------------|----|----------------|----------------------|----------|
| 350 ft (TVD) | to | 3,567 ft (TVD) | Casing Required: | 4,239 ft |

| | | | FL | | YP | | |
|--------|------|-----------|-------------|---------|---------------|-----------|----------|
| Fluid: | Type | MW (ppg) | (mL/30 min) | PV (cp) | (lb/100 sqft) | рН | Comments |
| | LSND | 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 surveys with inclination and azimuth in 100' stations (minimum), GR optional

Logging: None

| 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 | | | | | 1,558 | 1,394 | 233,078 | 233,078 |
| Min. S.F. | | | | | 1.30 | 2.53 | 2.42 | 1.94 |

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

| | | | | Yield | Water | | Planned TOC | Total Cmt | Total Cmt (cu |
|---------|-----------|---------------|--------------|-----------|----------|----------|-------------|-----------|---------------|
| | Cement: | Type | Weight (ppg) | (cuft/sk) | (gal/sk) | % Excess | (ft MD) | (sx) | ft) |
| Stage 1 | Spacer | D-Mud Breaker | 8.5 | | | | 0 | 10 bbls | |
| | | 90:10 Type | | | | | | | |
| | Lead | III:POZ | 12.5 | 2.140 | 12.05 | 70% | 0 | 903 | 1,931 |
| | Tail | Type III | 14.6 | 1.380 | 6.61 | 20% | 3,739 | 150 | 207 |
| Dis | placement | 324 | est bbls | | | | | | |

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

9-5/8" 36# ID 8.921

0.4341 cuft/ft

9-5/8" casing vol

est shoe jt ft 44

Calculated cement volumes assume gauge hole and the excess (open hole only) noted in table

| Spacer | D-Mud Breaker | SAPP | | | | | | |
|--------|---------------|---------------|-------------------|------------------|-----------------|---------------------|-----------------|-------------------|
| | | | D-MPA-1 .4% | | | | | |
| | | D-CSE 1 5.0% | BWOC Fluid Loss & | | | | | |
| | ASTM Type III | BWOC Strength | Gas Migration | D-SA 1 1.4% BWOC | D-CD 2 .4% BWOC | Cello Flace LCM .25 | D-FP1 0.5% BWOC | |
| Lead | 90/10 Poz | Enhancer | Control | Na Metasilicate | Dispersant | lb/sx | Defoamer | D-R1 .5% Retarder |
| | | | BWOC Fluid Loss & | | | | | |
| | ASTM Type III | | Gas Migration | | D-CD 2 .5% BWOC | Cello Flace LCM .25 | | |
| Tail | Blend | | Control | | Dispersant | lb/sx | | D-R1 .2% Retarder |

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

| 4,239 | ft (MD) | to | 17,411 ft (MD) | Hole Section Length: | 13,172 ft |
|-------|----------|----|----------------|----------------------|-----------|
| 3,567 | ft (TVD) | to | 5,615 ft (TVD) | Casing Required: | 17,411 ft |

| Estimated KOP: | 5,650 | ft (MD) | 4,645 | ft (TVD) |
|-----------------------------------|--------|---------|-------|----------|
| Estimated Landing Point (P.O.E.): | 6,624 | ft (MD) | 5,447 | ft (TVD) |
| Estimated Lateral Length: | 10,787 | ft (MD) | | |

| Fluid: | Туре | MW (ppg) | WPS ppm | НТНР | YP (lb/100 sqft) | ES | OWR | Comment |
|--------|-------|-----------|--------------|------|---------------------|------|-------|-------------|
| | 71: - | (1-1-0) | | | () | - | - | WBM as |
| | ОВМ | 8.0 - 9.0 | 120,000 CaCl | NC | ±6 | +300 | 80:20 | contingency |

Hole Size: 8-1/2"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD surveys with inclination and azimuth in 100' stations (minimum) before KOP, every joint from KOP to POE,

every 100' (minimum) from POE to TD; Gamma Ray from drill out of 9-5/8" shoe to TD

Logging: MWD Gamma Ray for entire section, no mud-log or cuttings sampling, no OH WL logs

| | | | | | | | Tens. Body | Tens. Conn |
|---------------|-----------|------------|-------|-------|----------------|-------------|------------|------------|
| Casing Specs: | Size (in) | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | (lbs) | (lbs) |
| Specs | 5.500 | 17.0 | P-110 | LTC | 7,460 | 10,640 | 546,000 | 445,000 |
| Loading | | | | | 2,774 | 9,026 | 355,410 | 355,410 |
| Min. S.F. | | | | | 2.69 | 1.18 | 1.54 | 1.25 |

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

| | | | Yield | Water | | Planned TOC | Total Cmt | Total Cmt (cu |
|---------|-------------------|--------------|-----------|----------|----------|-------------|-----------|---------------|
| Cement: | Туре | Weight (ppg) | (cuft/sk) | (gal/sk) | % Excess | (ft MD) | (sx) | ft) |
| Spacer | IntegraGuard Star | 11 | | 31.6 | | 0 | 60 bbls | |
| Lead | ASTM type I/II | 12.4 | 2.370 | 13.40 | 50% | 0 | 657 | 1,557 |
| Tail | G:POZ blend | 13.3 | 1.570 | 7.70 | 10% | 5,449 | 1,928 | 3,027 |

Displacement

384 est bbls

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

0.1245 cuft/ft 5-1/2" casing vol

est shoe jt ft 100

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

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

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

FINISH WELL: ND BOP, NU WH, RDMO.

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 10,687

Est Frac Inform: 45 Frac Stages 171,000 bbls slick water 13,900,000 lbs proppant **Flowback:** Well will be flowed back through production tubing. An ESP may be used to assist in load water recovery. **Production:** Well will produce up production tubing via gas-lift into permanent production and storage facilities.

ESTIMATED START DATES:

 Drilling:
 11/3/2023

 Completion:
 12/18/2023

 Production:
 1/17/2024

Prepared by: G Olson 7/15/2022

G Olson 8/16/2023

WELL NAME: RIDGE UNIT 130H

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

API Number: Not yet assigned **State:** New Mexico

County: San Juan

Surface Elev.: 6,832 ft ASL (GL) 6,857 ft ASL (KB)

 Surface Location:
 26-24N-08W
 Sec-Twn- Rng
 1,815
 ft FNL
 2,327
 ft FWL

 BH Location:
 22-24N-08W
 Sec-Twn- Rng
 237
 ft FNL
 2389
 ft FEL

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

US Hwy 550 for 42.8 miles to MM 109.0, Left (North) on CR 7997 for 1.8 miles to fork in road, Right (North-East) for 0.6 miles to fork in road, Right (Straight)(North-East) for 0.1 miles to access road, Left on access road to Ridge Unit 130H Pad. The 130H well is the

furthest well to the East and closest to the location entrance. From East to West: RU

130H, 135H, 136H and 137H.

| | QUIC | CK REFERENCI | E |
|---|--------------|--------------|----------|
| | Sur TD (MD) | 350 | ft |
| | Int TD (MD) | 4,239 | ft |
| | KOP (MD) | 5,650 | ft |
| | KOP (TVD) | 4,645 | ft |
| | Target (TVD) | 5,447 | |
| | Curve BUR | 10 | °/100 ft |
| n | POE (MD) | 6,624 | ft |
| 1 | TD (MD) | 17,411 | ft |
| L | Lat Len (ft) | 10,787 | 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 | 4,239 | 9.625 | 36.0 | J-55 | LTC | 0 | 4,239 |
| Production | 8.500 | 17,411 | 5.500 | 17.0 | P-110 | LTC | 0 | 17,411 |

CEMENT PROPERTIES SUMMARY:

| | | | | | Hole Cap. | | TOC | | Total Cu |
|---------------|--------------------|----------|--------------|--------------|-----------|----------|---------|------------|----------|
| | Type | Wt (ppg) | Yd (cuft/sk) | Wtr (gal/sk) | (cuft/ft) | % Excess | (ft MD) | Total (sx) | Ft |
| Surface | TYPE III | 14.6 | 1.39 | 6.686 | 0.6946 | 100% | 0 | 364 | 505 |
| Inter. (Lead, | 90:10 Type III:POZ | 12.5 | 2.14 | 12.05 | 0.3132 | 70% | 0 | 903 | 1,931 |
| Inter. (Tail) | Type III | 12.5 | 2.14 | 12.05 | 0.3132 | 20% | 3,739 | 150 | 321 |
| Prod. (Lead, | ASTM type I/II | 12.4 | 2.37 | 13.40 | 0.2291 | 50% | 0 | 657 | 1,557 |
| Prod. (Tail, | G:POZ blend | 13.3 | 1.57 | 7.70 | 0.2291 | 10% | 5,449 | 1,928 | 3,027 |

COMPLETION / PRODUCTION SUMMARY:

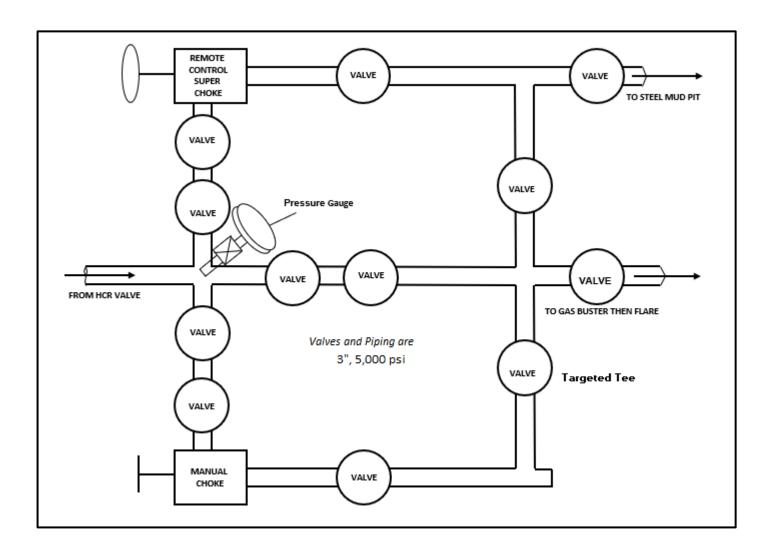
Frac: 30-stage (+/-) plug-and-perf frac with slick water and 10,000,000 lbs (+/-) proppant

Flowback: Flow up production tubing as pressures allow (an ESP may be used to assist in load-water recovery)

Production: 2-7/8" tubing, ESP will be replaced with gas lift as well conditions dictate

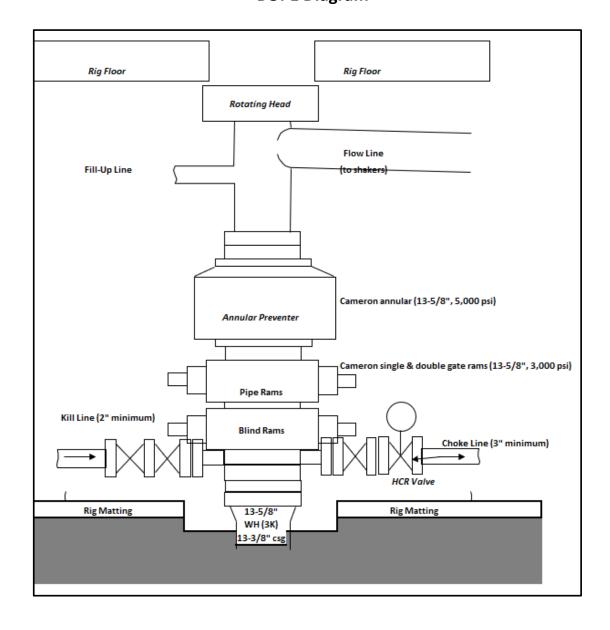


Enduring Resources IV, LLC CHOKE MANIFOLD





Enduring Resources IV, LLC BOPE Diagram





DB Decv0422v16 Database: Company: **Enduring Resources LLC**

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H Wellbore: Original Hole Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft

RKB=6832+25 @ 6857.00ft

315.001

Minimum Curvature

Project San Juan County, New Mexico NAD83 NM W

Map System: US State Plane 1983 North American Datum 1983 Geo Datum: Map Zone:

System Datum: Mean Sea Level

0.00

New Mexico Western Zone

Ridge Unit (130, 135, 136 & 137) Site

Northing: 1,924,000.063 usft Site Position: 36.287502000 Latitude: From: Lat/Long Easting: 2,776,464.370 usft Longitude: -107.652231000

0.00 ft Slot Radius: 13-3/16 " **Position Uncertainty:**

Well Ridge Unit No. 130H, Surf loc: 1815 FNL 2327 FWL Section 26-+T24N-R08W

0.00

0.00 ft 36.287502000 **Well Position** +N/-S 1 924 000 063 usft Latitude: Northing: +E/-W 0.00 ft Easting: 2,776,464.370 usft Longitude: -107.652231000

Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 6,832.00 ft

0.11° **Grid Convergence:**

Wellbore Original Hole Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) IGRF2020 8/15/2023 8.54 62.77 49,131.87708904

rev1 Design Audit Notes: PLAN 0.00 Version: Phase: Tie On Depth: Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°)

0.00

Plan Survey Tool Program 8/16/2023 Date Depth From Depth To (ft) (ft) Survey (Wellbore) **Tool Name** Remarks 0.00 17,410.95 MWD rev1 (Original Hole)

OWSG MWD - Standard

Plan Sections Vertical Build Measured Dogleg Turn Depth Inclination Azimuth Depth +N/-S +E/-W Rate Rate Rate TFO (°/100ft) (°/100ft) (°/100ft) (ft) (°) (°) (ft) (ft) (ft) (°) **Target** 0.00 0.000 0.00 0.00 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 1,838.04 40.14 1,731.24 -174.28 414.72 3.00 0.00 112.79 112.793 3.00 5,645.23 40.14 112.793 4,641.67 -1,125.12 2,677.45 0.00 0.00 0.00 0.00 6,595.61 60.00 -835.10 10.00 2.09 -15.50 -152.02 325 449 5,432.83 2,742.01 6,655.61 60.00 5,462.83 -792.30 2,712.54 0.00 0.00 325.449 0.00 0.00 6,967.96 89.61 315.000 5,544.00 -564.81 2,520.63 10.00 9.48 -3.35 -20.47 5,615.00 6,819.39 -4,863.44 0.00 17,410.95 89.61 315.000 0.00 0.00 0.00 Ridge 130H LTP 237



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| ned Sur | vey | | | | | | | | | |
|---------|------------------------|--------------------|----------------|---------------------------|--------------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| D | asured epth (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 |
| 13 | 3/8" Csg | | | | | | | | | |
| | 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 |
| КО | P Begin 3 | 8°/100' build | | | | | | | | |
| | 600.00 | 3.00 | 112.793 | 599.95 | -1.01 | 2.41 | -2.42 | 3.00 | 3.00 | 0.00 |
| | 700.00 | 6.00 | 112.793 | 699.63 | -4.05 | 9.65 | -9.69 | 3.00 | 3.00 | 0.00 |
| | 800.00 | 9.00 | 112.793 | 798.77 | -9.11 | 21.68 | -21.77 | 3.00 | 3.00 | 0.00 |
| | 900.00 | 12.00 | 112.793 | 897.08 | -16.17 | 38.48 | -38.64 | 3.00 | 3.00 | 0.00 |
| 1 | 1,000.00 | 15.00 | 112.793 | 994.31 | -25.21 | 59.99 | -60.25 | 3.00 | 3.00 | 0.00 |
| | 1,100.00 | 18.00 | 112.793 | 1,090.18 | -36.21 | 86.18 | -86.54 | 3.00 | 3.00 | 0.00 |
| | 1,200.00 | 21.00 | 112.793 | 1,184.43 | -49.14 | 116.95 | -117.44 | 3.00 | 3.00 | 0.00 |
| | 1,253.39 | 22.60 | 112.793 | 1,234.00 | -56.82 | 135.22 | -135.80 | 3.00 | 3.00 | 0.00 |
| | Alamo | | | | | | | | | |
| | 1,300.00 | 24.00 | 112.793 | 1,276.81 | -63.97 | 152.22 | -152.87 | 3.00 | 3.00 | 0.00 |
| | 1,388.73 | 26.66 | 112.793 | 1,357.00 | -78.67 | 187.22 | -132.67 | 3.00 | 3.00 | 0.00 |
| | | 20.00 | 112.793 | 1,337.00 | -70.07 | 107.22 | -100.01 | 3.00 | 3.00 | 0.00 |
| | tland 1,400.00 | 27.00 | 112.793 | 1 267 06 | 90.64 | 191.91 | -192.72 | 2.00 | 3.00 | 0.00 |
| | 1,500.00 | 27.00 30.00 | 112.793 | 1,367.06 1,454.93 | -80.64 -99.13 | 235.89 | -192.72 | 3.00 3.00 | 3.00 | 0.00 |
| | 1,600.00 | 33.00 | 112.793 | 1,540.18 | -119.37 | 284.06 | -285.26 | 3.00 | 3.00 | 0.00 |
| | | | | | | | | | | |
| 1 | 1,644.23 | 34.33 | 112.793 | 1,577.00 | -128.87 | 306.66 | -307.96 | 3.00 | 3.00 | 0.00 |
| | uitland | | | | | | | | | |
| | 1,700.00 | 36.00 | 112.793 | 1,622.59 | -141.31 | 336.27 | -337.69 | 3.00 | 3.00 | 0.00 |
| | 1,800.00 | 39.00 | 112.793 | 1,701.91 | -164.89 | 392.38 | -394.05 | 3.00 | 3.00 | 0.00 |
| 1 | 1,838.04 | 40.14 | 112.793 | 1,731.24 | -174.28 | 414.72 | -416.48 | 3.00 | 3.00 | 0.00 |
| | gin 40.14° | • | | | | | | | | |
| 1 | 1,900.00 | 40.14 | 112.793 | 1,778.60 | -189.75 | 451.55 | -453.46 | 0.00 | 0.00 | 0.00 |
| 2 | 2,000.00 | 40.14 | 112.793 | 1,855.05 | -214.72 | 510.98 | -513.15 | 0.00 | 0.00 | 0.00 |
| 2 | 2,054.88 | 40.14 | 112.793 | 1,897.00 | -228.43 | 543.60 | -545.90 | 0.00 | 0.00 | 0.00 |
| Pic | tured Clif | fs | | | | | | | | |
| 2 | 2,100.00 | 40.14 | 112.793 | 1,931.49 | -239.70 | 570.41 | -572.83 | 0.00 | 0.00 | 0.00 |
| 2 | 2,185.69 | 40.14 | 112.793 | 1,997.00 | -261.10 | 621.34 | -623.98 | 0.00 | 0.00 | 0.00 |
| | wis | | | | | | | | | |
| 2 | 2,200.00 | 40.14 | 112.793 | 2,007.94 | -264.68 | 629.85 | -632.52 | 0.00 | 0.00 | 0.00 |
| 2 | 2,300.00 | 40.14 | 112.793 | 2,084.38 | -289.65 | 689.28 | -692.20 | 0.00 | 0.00 | 0.00 |
| | 2,400.00 | 40.14 | 112.793 | 2,160.83 | -314.63 | 748.71 | -751.89 | 0.00 | 0.00 | 0.00 |
| | 2,500.00 | 40.14 | 112.793 | 2,237.28 | -339.60 | 808.15 | -811.57 | 0.00 | 0.00 | 0.00 |
| | 2,597.75 | 40.14 | 112.793 | 2,312.00 | -364.01 | 866.24 | -869.91 | 0.00 | 0.00 | 0.00 |
| Ch | acra | | | | | | | | | |
| | 2,600.00 | 40.14 | 112.793 | 2,313.72 | -364.58 | 867.58 | -871.26 | 0.00 | 0.00 | 0.00 |
| - | 2,700.00 | 40.14 | 112.793 | 2,390.17 | -389.55 | 927.01 | -930.94 | 0.00 | 0.00 | 0.00 |
| | 2,700.00 | 40.14 40.14 | 112.793 | 2,390.17 | -389.55 -414.53 | 986.45 | -930.94 -990.63 | 0.00 | 0.00 | 0.00 |
| | 2,800.00 | 40.14 | 112.793 | 2,543.06 | -414.53 -439.50 | 1,045.88 | -1,050.31 | 0.00 | 0.00 | 0.00 |
| | 3,000.00 | 40.14 | 112.793 | 2,619.50 | -439.50 -464.48 | 1,045.66 | -1,110.00 | 0.00 | 0.00 | 0.00 |
| | 3,100.00 | 40.14 | 112.793 | 2,695.95 | -404.46 -489.45 | 1,164.75 | -1,110.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | |
| | 3,200.00 | 40.14 | 112.793 | 2,772.40 | -514.43 | 1,224.18 | -1,229.37 | 0.00 | 0.00 | 0.00 |
| | 3,300.00 | 40.14 | 112.793 | 2,848.84 | -539.40 | 1,283.61 | -1,289.06 | 0.00 | 0.00 | 0.00 |
| | 3,400.00 | 40.14 | 112.793 | 2,925.29 | -564.38 | 1,343.04 | -1,348.74 | 0.00 | 0.00 | 0.00 |
| 3 | 3,500.00 | 40.14 | 112.793 | 3,001.73 | -589.35 | 1,402.48 | -1,408.43 | 0.00 | 0.00 | 0.00 |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| 1: | revi | | | | | | | | |
|--|---|---|--|---|--|---|--------------------------------------|--------------------------------------|--------------------------------------|
| ned 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) |
| 3,600.00 | 40.14 | 112.793 | 3,078.18 | -614.33 | 1,461.91 | -1,468.11 | 0.00 | 0.00 | 0.00 |
| 3,700.00 3,800.00 3,900.00 4,000.00 4,036.68 | 40.14 40.14 40.14 40.14 40.14 | 112.793 112.793 112.793 112.793 112.793 | 3,154.62 3,231.07 3,307.52 3,383.96 3,412.00 | -639.30 -664.28 -689.25 -714.23 -723.39 | 1,521.34 1,580.78 1,640.21 1,699.64 1,721.44 | -1,527.80 -1,587.48 -1,647.17 -1,706.85 -1,728.74 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| Cliff House | | | | | | | | | |
| 4,043.22 | 40.14 | 112.793 | 3,417.00 | -725.02 | 1,725.33 | -1,732.65 | 0.00 | 0.00 | 0.00 |
| Menefee 4,100.00 4,200.00 4,239.44 | 40.14 40.14 40.14 | 112.793 112.793 112.793 | 3,460.41 3,536.85 3,567.00 | -739.20 -764.18 -774.03 | 1,759.08 1,818.51 1,841.95 | -1,766.54 -1,826.22 -1,849.76 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| 9 5/8" Csg | | | | | | | | | |
| 4,300.00 4,400.00 4,500.00 | 40.14 40.14 40.14 | 112.793 112.793 112.793 | 3,613.30 3,689.74 3,766.19 | -789.15 -814.13 -839.10 | 1,877.94 1,937.38 1,996.81 | -1,885.91 -1,945.59 -2,005.28 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| 4,600.00 4,700.00 4,800.00 | 40.14 40.14 40.14 | 112.793 112.793 112.793 | 3,842.64 3,919.08 3,995.53 | -864.08 -889.05 -914.03 | 2,056.24 2,115.68 2,175.11 | -2,064.96 -2,124.65 -2,184.33 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| 4,900.00 5,000.00 5,100.00 5,135.50 | 40.14 40.14 40.14 40.14 | 112.793 112.793 112.793 112.793 | 4,071.97 4,148.42 4,224.86 4,252.00 | -939.00 -963.98 -988.95 -997.82 | 2,234.54 2,293.98 2,353.41 2,374.51 | -2,244.02 -2,303.70 -2,363.39 -2,384.58 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| Point Looko | | | 1,202.00 | 001.02 | 2,01 | 2,0000 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 40.14 | 112.793 | 4,301.31 | -1,013.93 | 2,412.84 | -2,423.07 | 0.00 | 0.00 | 0.00 |
| 5,300.00 5,400.00 5,449.45 | 40.14 40.14 40.14 | 112.793 112.793 112.793 | 4,377.76 4,454.20 4,492.00 | -1,038.90 -1,063.88 -1,076.23 | 2,472.27 2,531.71 2,561.10 | -2,482.76 -2,542.44 -2,571.96 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| Mancos 5,500.00 5,600.00 | 40.14 40.14 | 112.793 112.793 | 4,530.65 4,607.09 | -1,088.85 -1,113.83 | 2,591.14 2,650.57 | -2,602.13 -2,661.82 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 5,645.23 | 40.14 | 112.793 | 4,641.67 | -1,125.12 | 2,677.45 | -2,688.81 | 0.00 | 0.00 | 0.00 |
| • | 00' build/turn | 440 446 | 4.045.00 | 4 400 00 | 0.000.00 | 0.004.04 | 40.00 | 2.22 | 701 |
| 5,650.00 5,700.00 5,750.00 5,800.00 | 39.72 35.38 31.21 27.29 | 112.443 108.358 103.318 96.950 | 4,645.33 4,684.96 4,726.75 4,770.38 | -1,126.30 -1,136.97 -1,144.51 -1,148.89 | 2,680.28 2,708.81 2,735.17 2,759.17 | -2,691.64 -2,719.35 -2,743.33 -2,763.40 | 10.00 10.00 10.00 10.00 | -8.82 -8.68 -8.34 -7.84 | -7.34 -8.17 -10.08 -12.74 |
| 5,850.00 5,900.00 5,905.56 | 23.75 20.77 20.48 | 88.744 78.107 76.752 | 4,815.51 4,861.80 4,867.00 | -1,150.06 -1,148.01 -1,147.58 | 2,780.63 2,799.38 2,801.29 | -2,779.39 -2,791.20 -2,792.25 | 10.00 10.00 10.00 | -7.09 -5.96 -5.13 | -16.41 -21.27 -24.37 |
| MNCS_A 5,950.00 5,990.10 | 18.63 17.73 | 64.652 52.102 | 4,908.89 4,947.00 | -1,142.76 -1,136.26 | 2,815.28 2,825.89 | -2,798.74 -2,801.65 | 10.00 10.00 | -4.17 -2.23 | -27.23 -31.30 |
| 6,000.00 6,050.00 | 17.64 18.00 | 48.856 32.507 | 4,956.44 5,004.07 | -1,134.35 -1,122.84 | 2,828.21 2,838.08 | -2,801.93 -2,800.77 | 10.00 10.00 | -0.93 0.71 | -32.77 -32.70 |
| 6,100.00 6,116.58 | 19.62 20.39 | 17.786 13.497 | 5,051.42 5,067.00 | -1,108.33 -1,102.87 | 2,844.80 2,846.32 | -2,795.26 -2,792.48 | 10.00 10.00 10.00 | 3.24 4.66 | -29.44 -25.87 |
| MNCS_C 6,150.00 | 22.23 | 5.811 | 5,098.14 | -1,090.91 | 2,848.32 | -2,785.44 | 10.00 | 5.51 | -23.00 |
| 6,200.00 6,209.03 | 25.54 26.19 | 356.510 355.074 | 5,143.87 5,152.00 | -1,070.73 -1,066.80 | 2,848.62 2,848.33 | -2,771.38 -2,768.40 | 10.00 10.00 | 6.61 7.21 | -18.60 -15.90 |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| ned 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) |
| MNCS_Cm | ıs | | | | | | | | |
| 6,250.00 6,289.31 | 29.29 | 349.332 344.804 | 5,188.26 5,222.00 | -1,047.94 -1,028.30 | 2,845.70 2,841.15 | -2,753.20 -2,736.09 | 10.00 10.00 | 7.59 8.07 | -14.02 -11.52 |
| MNCS_D | | | | | | | | | |
| 6,300.00 | 33.36 | 343.709 | 5,230.97 | -1,022.71 | 2,839.58 | -2,731.03 | 10.00 | 8.31 | -10.25 |
| 6,350.00 6,389.21 | | 339.205 336.249 | 5,271.68 5,302.00 | -995.23 -972.25 | 2,830.30 2,820.86 | -2,705.03 -2,682.11 | 10.00 10.00 | 8.53 8.79 | -9.01 -7.54 |
| MNCS_E | | | | | | | | | |
| 6,400.00 6,450.00 | | 335.507 332.397 | 5,310.08 5,345.87 | -965.72 -934.39 | 2,817.93 2,802.58 | -2,675.42 -2,642.41 | 10.00 10.00 | 8.90 9.01 | -6.88 -6.22 |
| 6,466.40 | | 331.478 | 5,357.00 | -923.75 | 2,796.91 | -2,630.88 | 10.00 | 9.11 | -5.60 |
| MNCS_F | | | | | | | | | |
| 6,500.00 | | 329.723 | 5,378.79 | -901.48 | 2,784.35 | -2,606.25 | 10.00 | 9.18 | -5.22 |
| 6,550.00 | | 327.374 | 5,408.58 | -867.25 | 2,763.38 | -2,567.23 | 10.00 | 9.26 | -4.70 |
| 6,595.61 | | 325.449 | 5,432.83 | -835.10 | 2,742.01 | -2,529.37 | 10.00 | 9.34 | -4.22 |
| Begin 60.0 6,600.00 | 0° tangent 60.00 | 325.449 | 5,435.02 | -831.97 | 2,739.85 | -2,525.63 | 0.00 | 0.00 | 0.00 |
| 6,623.95 | | 325.449 | 5,447.00 | -814.88 | 2,728.09 | -2,525.03 | 0.00 | 0.00 | 0.00 |
| MNCS_G | | | | | | | | | |
| 6,655.61 | 60.00 | 325.449 | 5,462.83 | -792.30 | 2,712.54 | -2,478.27 | 0.00 | 0.00 | 0.00 |
| • | 100' build/turn | | | | | | | | |
| 6,700.00 | | 323.726 | 5,483.61 | -760.35 | 2,689.81 | -2,439.60 | 10.00 | 9.39 | -3.88 |
| 6,707.89 | 64.91 | 323.433 | 5,487.00 | -754.61 | 2,685.58 | -2,432.56 | 10.00 | 9.42 | -3.72 |
| MNCS_H 6,750.00 | 68.89 | 321.924 | 5,503.52 | -723.82 | 2,662.09 | -2,394.18 | 10.00 | 9.44 | -3.58 |
| 6,800.00 | | 320.234 | 5,519.58 | -687.00 | 2,632.35 | -2,347.11 | 10.00 | 9.47 | -3.38 |
| 6,850.00 | 78.38 | 318.625 | 5,531.67 | -650.17 | 2,600.80 | -2,298.76 | 10.00 | 9.50 | -3.22 |
| 6,900.00 | 83.13 | 317.069 | 5,539.70 | -613.60 | 2,567.69 | -2,249.48 | 10.00 | 9.52 | -3.11 |
| 6,922.82 | 85.31 | 316.371 | 5,542.00 | -597.07 | 2,552.12 | -2,226.79 | 10.00 | 9.53 | -3.06 |
| MNCS_I | 07.00 | 0.15.5.15 | 5 5 4 0 0 4 | | 0.500.00 | 0.400.07 | 40.00 | 0.50 | 0.04 |
| 6,950.00 6,967.96 | | 315.545 315.000 | 5,543.61 5,544.00 | -577.57 -564.81 | 2,533.26 2,520.63 | -2,199.67 -2,181.71 | 10.00 10.00 | 9.53 9.53 | -3.04 -3.03 |
| Begin 89.6 | | 313.000 | 3,344.00 | -304.01 | 2,320.03 | -2,101.71 | 10.00 | 9.55 | -3.03 |
| • | | 045.005 | F F 1 1 0 5 | 540.40 | 0.407.07 | 0.440.07 | 2.22 | 2.22 | 2.22 |
| 7,000.00 7,100.00 | | 315.000 315.000 | 5,544.22 5,544.90 | -542.16 -471.45 | 2,497.97 2,427.27 | -2,149.67 -2,049.67 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 7,100.00 | | 315.000 | 5,544.90 5,545.58 | -471.45 -400.74 | 2,427.27 | -2,049.67 -1,949.68 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | | 315.000 | 5,546.26 | -330.03 | 2,285.85 | -1,849.68 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | | 315.000 | 5,546.94 | -259.32 | 2,215.14 | -1,749.68 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | | 315.000 | 5,547.62 | -188.61 | 2,144.43 | -1,649.68 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | | 315.000 | 5,548.30 | -117.90 | 2,073.72 | -1,549.69 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | | 315.000 | 5,548.98 | -47.19 | 2,003.01 | -1,449.69 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | | 315.000 | 5,549.66 | 23.52 | 1,932.31 | -1,349.69 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | | 315.000 | 5,550.34 | 94.23 | 1,861.60 | -1,249.69 | 0.00 | 0.00 | 0.00 |
| 8,000.00 8,100.00 | | 315.000 315.000 | 5,551.02 5,551.70 | 164.94 235.65 | 1,790.89 1,720.18 | -1,149.70 -1,049.70 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 8,100.00 | | 315.000 | 5,552.38 | 306.36 | 1,720.18 | -1,049.70 -949.70 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | | 315.000 | 5,553.06 | 377.07 | 1,578.76 | -849.70 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | | 315.000 | 5,553.74 | 447.78 | 1,508.06 | -749.70 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 89.61 | 315.000 | 5,554.42 | 518.49 | 1,437.35 | -649.71 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 89.61 | 315.000 | 5,555.10 | 589.20 | 1,366.64 | -549.71 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | | 315.000 | 5,555.78 | 659.91 | 1,295.93 | -449.71 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | | 315.000 | 5,556.46 | 730.62 | 1,225.22 | -349.71 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 89.61 | 315.000 | 5,557.14 | 801.33 | 1,154.51 | -249.72 | 0.00 | 0.00 | 0.00 |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| esign: | rev1 | | | | | | | | |
|---------------------------|--------------------|----------------|---------------------------|---------------|------------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 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) |
| 9,000.00 | 89.61 | 315.000 | 5,557.82 | 872.04 | 1,083.81 | -149.72 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 89.61 | 315.000 | 5,558.50 | 942.75 | 1,013.10 | -49.72 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 89.61 | 315.000 | 5,559.18 | 1,013.46 | 942.39 | 50.28 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 89.61 | 315.000 | 5,559.86 | 1,084.17 | 871.68 | 150.27 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 89.61 | 315.000 | 5,560.54 | 1,154.88 | 800.97 | 250.27 | 0.00 | 0.00 | 0.00 |
| | | | , | | | | | | |
| 9,500.00 | 89.61 | 315.000 | 5,561.22 | 1,225.59 | 730.26 | 350.27 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 89.61 | 315.000 | 5,561.90 | 1,296.30 | 659.55 | 450.27 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 89.61 | 315.000 | 5,562.58 | 1,367.01 | 588.85 | 550.27 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 89.61 | 315.000 | 5,563.25 | 1,437.71 | 518.14 | 650.26 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 89.61 | 315.000 | 5,563.93 | 1,508.42 | 447.43 | 750.26 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 10,000.00 | 89.61 | 315.000 | 5,564.61 | 1,579.13 | 376.72 | 850.26 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 89.61 | 315.000 | 5,565.29 | 1,649.84 | 306.01 | 950.26 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 89.61 | 315.000 | 5,565.97 | 1,720.55 | 235.30 | 1,050.25 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 89.61 | 315.000 | 5,566.65 | 1,791.26 | 164.60 | 1,150.25 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 89.61 | 315.000 | 5,567.33 | 1,861.97 | 93.89 | 1,250.25 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 89.61 | 315.000 | 5,568.01 | 1,932.68 | 23.18 | 1,350.25 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 89.61 | 315.000 | 5,568.69 | 2,003.39 | -47.53 | 1,450.24 | 0.00 | 0.00 | 0.00 |
| | | | | , | | | | | |
| 10,700.00 | 89.61 | 315.000 | 5,569.37 | 2,074.10 | -118.24 | 1,550.24 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 89.61 | 315.000 | 5,570.05 | 2,144.81 | -188.95 | 1,650.24 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 89.61 | 315.000 | 5,570.73 | 2,215.52 | -259.66 | 1,750.24 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 89.61 | 315.000 | 5,571.41 | 2,286.23 | -330.36 | 1,850.24 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 89.61 | 315.000 | 5,572.09 | 2,356.94 | -401.07 | 1,950.23 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 89.61 | 315.000 | 5,572.77 | 2,427.65 | -471.78 | 2,050.23 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 11,300.00 | 89.61 | 315.000 | 5,573.45 | 2,498.36 | -542.49 | 2,150.23 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 89.61 | 315.000 | 5,574.13 | 2,569.07 | -613.20 | 2,250.23 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 89.61 | 315.000 | 5,574.81 | 2,639.78 | -683.91 | 2,350.22 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 89.61 | 315.000 | 5,575.49 | 2,710.49 | -754.61 | 2,450.22 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 89.61 | 315.000 | 5,576.17 | 2,781.20 | -825.32 | 2,550.22 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 89.61 | 315.000 | 5,576.85 | 2,851.91 | -896.03 | 2,650.22 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 89.61 | 315.000 | 5,577.53 | 2,922.62 | -966.74 | 2,750.21 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 12,000.00 | 89.61 | 315.000 | 5,578.21 | 2,993.33 | -1,037.45 | 2,850.21 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 89.61 | 315.000 | 5,578.89 | 3,064.04 | -1,108.16 | 2,950.21 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 89.61 | 315.000 | 5,579.57 | 3,134.75 | -1,178.86 | 3,050.21 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 89.61 | 315.000 | 5,580.25 | 3,205.46 | -1,249.57 | 3,150.21 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 89.61 | 315.000 | 5,580.93 | 3,276.17 | -1,320.28 | 3,250.20 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 89.61 | 315.000 | 5,581.61 | 3,346.88 | -1,390.99 | 3,350.20 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 89.61 | 315.000 | 5,582.29 | 3,417.59 | -1,461.70 | 3,450.20 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 89.61 | 315.000 | 5,582.29 | 3,488.30 | -1,401.70 | 3,550.20 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 12,800.00 | 89.61 | 315.000 | 5,583.65 | 3,559.00 | -1,603.12 | 3,650.19 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 89.61 | 315.000 | 5,584.33 | 3,629.71 | -1,673.82 | 3,750.19 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 89.61 | 315.000 | 5,585.01 | 3,700.42 | -1,744.53 | 3,850.19 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 89.61 | 315.000 | 5,585.69 | 3,771.13 | -1,815.24 | 3,950.19 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 89.61 | 315.000 | 5,586.37 | 3,841.84 | -1,885.95 | 4,050.18 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 89.61 | 315.000 | 5,587.05 | 3,912.55 | -1,956.66 | 4,150.18 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 89.61 | 315.000 | 5,587.73 | 3,983.26 | -2,027.37 | 4,250.18 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 13,500.00 | 89.61 | 315.000 | 5,588.41 | 4,053.97 | -2,098.07 | 4,350.18 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 89.61 | 315.000 | 5,589.09 | 4,124.68 | -2,168.78 | 4,450.18 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 89.61 | 315.000 | 5,589.77 | 4,195.39 | -2,239.49 | 4,550.17 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 89.61 | 315.000 | 5,590.45 | 4,266.10 | -2,310.20 | 4,650.17 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 89.61 | 315.000 | 5,591.13 | 4,336.81 | -2,380.91 | 4,750.17 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 89.61 | 315.000 | 5,591.81 | 4,407.52 | -2,451.62 | 4,850.17 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | | 315.000 | 5,591.61 | | -2,451.62 -2,522.32 | | 0.00 | | 0.00 |
| | 89.61 | | | 4,478.23 | | 4,950.16 | | 0.00 | |
| 14,200.00 | 89.61 | 315.000 | 5,593.17 | 4,548.94 | -2,593.03 | 5,050.16 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 89.61 | 315.000 | 5,593.85 | 4,619.65 | -2,663.74 | 5,150.16 | 0.00 | 0.00 | 0.00 |



Database: DB_Decv0422v16
Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| 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) |
|---------------------------|-----------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 14,400.00 | 89.61 | 315.000 | 5,594.53 | 4,690.36 | -2,734.45 | 5,250.16 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 89.61 | 315.000 | 5,595.21 | 4,761.07 | -2,805.16 | 5,350.15 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 89.61 | 315.000 | 5,595.89 | 4,831.78 | -2,875.87 | 5,450.15 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 89.61 | 315.000 | 5,596.57 | 4,902.49 | -2,946.58 | 5,550.15 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 89.61 | 315.000 | 5,597.25 | 4,973.20 | -3,017.28 | 5,650.15 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 89.61 | 315.000 | 5,597.93 | 5,043.91 | -3,087.99 | 5,750.15 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 89.61 | 315.000 | 5,598.61 | 5,114.62 | -3,158.70 | 5,850.14 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 89.61 | 315.000 | 5,599.29 | 5,185.33 | -3,229.41 | 5,950.14 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 89.61 | 315.000 | 5,599.97 | 5,256.04 | -3,300.12 | 6,050.14 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 89.61 | 315.000 | 5,600.65 | 5,326.75 | -3,370.83 | 6,150.14 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 89.61 | 315.000 | 5,601.33 | 5,397.46 | -3,441.53 | 6,250.13 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 89.61 | 315.000 | 5,602.01 | 5,468.17 | -3,512.24 | 6,350.13 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 89.61 | 315.000 | 5,602.69 | 5,538.88 | -3,582.95 | 6,450.13 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 89.61 | 315.000 | 5,603.37 | 5,609.59 | -3,653.66 | 6,550.13 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 89.61 | 315.000 | 5,604.05 | 5,680.29 | -3,724.37 | 6,650.12 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 89.61 | 315.000 | 5,604.73 | 5,751.00 | -3,795.08 | 6,750.12 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 89.61 | 315.000 | 5,605.41 | 5,821.71 | -3,865.78 | 6,850.12 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 89.61 | 315.000 | 5,606.09 | 5,892.42 | -3,936.49 | 6,950.12 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 89.61 | 315.000 | 5,606.77 | 5,963.13 | -4,007.20 | 7,050.12 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 89.61 | 315.000 | 5,607.45 | 6,033.84 | -4,077.91 | 7,150.11 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 89.61 | 315.000 | 5,608.13 | 6,104.55 | -4,148.62 | 7,250.11 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 89.61 | 315.000 | 5,608.81 | 6,175.26 | -4,219.33 | 7,350.11 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 89.61 | 315.000 | 5,609.49 | 6,245.97 | -4,290.04 | 7,450.11 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 89.61 | 315.000 | 5,610.17 | 6,316.68 | -4,360.74 | 7,550.10 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 89.61 | 315.000 | 5,610.85 | 6,387.39 | -4,431.45 | 7,650.10 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 89.61 | 315.000 | 5,611.53 | 6,458.10 | -4,502.16 | 7,750.10 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 89.61 | 315.000 | 5,612.21 | 6,528.81 | -4,572.87 | 7,850.10 | 0.00 | 0.00 | 0.00 |
| 17,100.00 | 89.61 | 315.000 | 5,612.89 | 6,599.52 | -4,643.58 | 7,950.09 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 89.61 | 315.000 | 5,613.57 | 6,670.23 | -4,714.29 | 8,050.09 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 89.61 | 315.000 | 5,614.25 | 6,740.94 | -4,784.99 | 8,150.09 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 89.61 | 315.000 | 5,614.93 | 6,811.65 | -4,855.70 | 8,250.09 | 0.00 | 0.00 | 0.00 |
| 17,410.95 | 89.61 | 315.000 | 5,615.00 | 6,819.39 | -4,863.44 | 8,261.03 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---|------------------------|-----------------------|--------------------------|--------------------------|----------------------------|------------------------|-------------------|--------------|----------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| Ridge 130H FTP 2390 F - plan misses target of Point | 0.00 center by 0.07 | 0.000 ft at 6967.9 | 5,544.00 3ft MD (5544 | -564.88 .00 TVD, -564 | 2,520.60 1.83 N, 2520.6 | 1,923,435.188 65 E) | 2,778,984.966 | 36.285937000 | -107.643682000 |
| Ridge 130H LTP 237 FN - plan hits target cent - Point | 0.00 ter | 0.000 | 5,615.00 | 6,819.39 | -4,863.44 | 1,930,819.440 | 2,771,600.937 | 36.306259000 | -107.668694000 |



Database: DB_Decv0422v16
Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

 Site:
 Ridge Unit (130, 135, 136 & 137)

 Well:
 Ridge Unit No. 130H

Wellbore: Original Hole

Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| Casing Points | | | | | | | |
|---------------|-------------------|-------------------|-------------|------|--------------------|------------------|--|
| | Measured Depth | Vertical Depth | | | Casing Diameter | Hole Diameter | |
| | (ft) | (ft) | | Name | (") | (") | |
| | 350.00 | 350.00 | 13 3/8" Csg | | 13-3/8 | 17-1/2 | |
| | 4,239.44 | 3,567.00 | 9 5/8" Csg | | 9-5/8 | 12-1/4 | |

| Formations | | | | | | | |
|------------|---------------------------|---------------------------|-----------------|---|-----------|------------|-------------------------|
| | Measured Depth (ft) | Vertical Depth (ft) | Nam | e | Lithology | Dip (°) | Dip Direction (°) |
| | 1,253.39 | 1,234.00 | Ojo Alamo | | | | |
| | 1,388.73 | 1,357.00 | Kirtland | | | | |
| | 1,644.23 | 1,577.00 | Fruitland | | | | |
| | 2,054.88 | 1,897.00 | Pictured Cliffs | | | | |
| | 2,185.69 | 1,997.00 | Lewis | | | | |
| | 2,597.75 | 2,312.00 | Chacra | | | | |
| | 4,036.68 | 3,412.00 | Cliff House | | | | |
| | 4,043.22 | 3,417.00 | Menefee | | | | |
| | 5,135.50 | 4,252.00 | Point Lookout | | | | |
| | 5,449.45 | 4,492.00 | Mancos | | | | |
| | 5,905.56 | 4,867.00 | MNCS_A | | | | |
| | 5,990.10 | 4,947.00 | MNCS_B | | | | |
| | 6,116.58 | 5,067.00 | MNCS_C | | | | |
| | 6,209.03 | 5,152.00 | MNCS_Cms | | | | |
| | 6,289.31 | 5,222.00 | MNCS_D | | | | |
| | 6,389.21 | 5,302.00 | MNCS_E | | | | |
| | 6,466.40 | 5,357.00 | MNCS_F | | | | |
| | 6,623.95 | 5,447.00 | MNCS_G | | | | |
| | 6,707.89 | 5,487.00 | MNCS_H | | | | |
| | 6,922.82 | 5,542.00 | MNCS_I | | | | |

| Plan Annotations | | | | |
|------------------|----------|-------------|-----------|-----------------------------------|
| Measured | Vertical | Local Coord | dinates | |
| Depth | Depth | +N/-S | +E/-W | |
| (ft) | (ft) | (ft) | (ft) | Comment |
| 500.00 | 500.00 | 0.00 | 0.00 | KOP Begin 3°/100' build |
| 1,838.04 | 1,731.24 | -174.28 | 414.72 | Begin 40.14° tangent |
| 5,645.23 | 4,641.67 | -1,125.12 | 2,677.45 | Begin 10°/100' build/turn |
| 6,595.61 | 5,432.83 | -835.10 | 2,742.01 | Begin 60.00° tangent |
| 6,655.61 | 5,462.83 | -792.30 | 2,712.54 | Begin 10°/100' build/turn |
| 6,967.96 | 5,544.00 | -564.81 | 2,520.63 | Begin 89.61° lateral |
| 17,410.95 | 5,615.00 | 6,819.39 | -4,863.44 | PBHL/TD @ 17410.95 MD 5615.00 TVD |



Site

Planning Report - Geographic

Database: DB_Decv0422v16
Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft

RKB=6832+25 @ 6857.00ft

Grid Minimum Curvature

Project San Juan County, New Mexico NAD83 NM W

Ridge Unit (130, 135, 136 & 137)

Map System:US State Plane 1983Geo Datum:North American Datum 1983

Map Zone: North American Datum 198.

New Mexico Western Zone

System Datum: Mean Sea Level

 Site Position:
 Northing:
 1,924,000.063 usft
 Latitude:
 36.287502000

 From:
 Lat/Long
 Easting:
 2,776,464.370 usft
 Longitude:
 -107.652231000

Position Uncertainty: 0.00 ft Slot Radius: 13-3/16

Well Ridge Unit No. 130H, Surf loc: 1815 FNL 2327 FWL Section 26-+T24N-R08W

 Well Position
 +N/-S
 0.00 ft
 Northing:
 1,924,000.063 usft
 Latitude:
 36.287502000

 +E/-W
 0.00 ft
 Easting:
 2,776,464.370 usft
 Longitude:
 -107.652231000

Position Uncertainty 0.00 ft Wellhead Elevation: ft Ground Level: 6,832.00 ft

Grid Convergence: 0.11 °

Wellbore Original Hole Declination **Model Name** Sample Date Dip Angle Field Strength Magnetics (nT) (°) (°) IGRF2020 8/15/2023 8.54 62.77 49,131.87708904

Design rev1 Audit Notes: Version: Phase: PI AN Tie On Depth: 0.00 +N/-S Vertical Section: Depth From (TVD) +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 315.001

Plan Survey Tool Program Date 8/16/2023

Depth From Depth To

(ft) (ft) Survey (Wellbore) Tool Name Remarks

1 0.00 17,410.95 rev1 (Original Hole) MWD

OWSG MWD - Standard

Plan Sections Measured Vertical Build Turn Dogleg Depth Depth +N/-S +E/-W Inclination Azimuth Rate Rate Rate TFO (°/100ft) (°/100ft) (ft) (ft) (°/100ft) (°) (°) (ft) (ft) **Target** (°) 0.000 0.00 0.00 0.00 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 1,838.04 40.14 112.793 1,731.24 -174.28 414.72 3.00 3.00 0.00 112.79 5,645.23 40.14 112.793 4,641.67 -1,125.12 2,677.45 0.00 0.00 0.00 0.00 6.595.61 60.00 325.449 5.432.83 -835.10 2.742.01 10.00 2.09 -15.50 -152.02 0.00 60.00 325.449 5,462.83 -792.30 2,712.54 0.00 0.00 0.00 6,655.61 10.00 9.48 -20.47 6,967.96 89.61 315.000 5,544.00 -564.81 2,520.63 -3.3517,410.95 89.61 315.000 5,615.00 6,819.39 -4,863.44 0.00 0.00 0.00 0.00 Ridge 130H LTP 237



Planning Report - Geographic

Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| Planned Surve | У | | | | | | | | |
|---------------------------|--------------------|--------------------|---------------------------|--------------------|----------------------|--------------------------------|---|------------------------------|----------------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 100.00 | | 0.000 | 100.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 200.00 | | 0.000 | 200.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 300.00 | 0.00 | 0.000 | 300.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 350.00 | 0.00 | 0.000 | 350.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 13 3/8" | Csa | | | | | | | | |
| 400.00 | • | 0.000 | 400.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| 500.00 | 0.00 | 0.000 | 500.00 | 0.00 | 0.00 | 1,924,000.063 | 2,776,464.370 | 36.287502000 | -107.652231000 |
| KOP Be | gin 3°/100' bui | ld | | | | | | | |
| 600.00 | - | 112.793 | 599.95 | -1.01 | 2.41 | 1,923,999.049 | 2,776,466.783 | 36.287499202 | -107.652222818 |
| 700.00 | 6.00 | 112.793 | 699.63 | -4.05 | 9.65 | 1,923,996.010 | 2,776,474.015 | 36.287490816 | -107.652198297 |
| 800.00 | 9.00 | 112.793 | 798.77 | -9.11 | 21.68 | 1,923,990.954 | 2,776,486.047 | 36.287476865 | -107.652157503 |
| 900.00 | 12.00 | 112.793 | 897.08 | -16.17 | 38.48 | 1,923,983.895 | 2,776,502.845 | 36.287457387 | -107.652100548 |
| 1,000.00 | 15.00 | 112.793 | 994.31 | -25.21 | 59.99 | 1,923,974.852 | 2,776,524.364 | 36.287432436 | -107.652027588 |
| 1,100.00 | 18.00 | 112.793 | 1,090.18 | -36.21 | 86.18 | 1,923,963.851 | 2,776,550.545 | 36.287402079 | -107.651938824 |
| 1,200.00 | 21.00 | 112.793 | 1,184.43 | -49.14 | 116.95 | 1,923,950.920 | 2,776,581.315 | 36.287366400 | -107.651834498 |
| 1,253.39 | 22.60 | 112.793 | 1,234.00 | -56.82 | 135.22 | 1,923,943.239 | 2,776,599.594 | 36.287345206 | -107.651772526 |
| Ojo Ala | mo | | | | | | | | |
| 1,300.00 | 24.00 | 112.793 | 1,276.81 | -63.97 | 152.22 | 1,923,936.097 | 2,776,616.591 | 36.287325497 | -107.651714896 |
| 1,388.73 | 26.66 | 112.793 | 1,357.00 | -78.67 | 187.22 | 1,923,921.391 | 2,776,651.586 | 36.287284920 | -107.651596249 |
| Kirtland | | | | | | | | | |
| 1,400.00 | 27.00 | 112.793 | 1,367.06 | -80.64 | 191.91 | 1,923,919.420 | 2,776,656.276 | 36.287279482 | -107.651580347 |
| 1,500.00 | 30.00 | 112.793 | 1,454.93 | -99.13 | 235.89 | 1,923,900.937 | 2,776,700.261 | 36.287228480 | -107.651431219 |
| 1,600.00 | 33.00 | 112.793 | 1,540.18 | -119.37 | 284.06 | 1,923,880.698 | 2,776,748.425 | 36.287172633 | -107.651267921 |
| 1,644.23 | 34.33 | 112.793 | 1,577.00 | -128.87 | 306.66 | 1,923,871.199 | 2,776,771.029 | 36.287146422 | -107.651191281 |
| Fruitlan | d | | | | | | | | |
| 1,700.00 | 36.00 | 112.793 | 1,622.59 | -141.31 | 336.27 | 1,923,858.757 | 2,776,800.636 | 36.287112092 | -107.651090900 |
| 1,800.00 | 39.00 | 112.793 | 1,701.91 | -164.89 | 392.38 | 1,923,835.176 | 2,776,856.752 | 36.287047023 | -107.650900643 |
| 1,838.04 | 40.14 | 112.793 | 1,731.24 | -174.28 | 414.72 | 1,923,825.788 | 2,776,879.093 | 36.287021117 | -107.650824895 |
| Begin 4 | 0.14° tangent | | | | | | | | |
| 1,900.00 | | 112.793 | 1,778.60 | -189.75 | 451.55 | 1,923,810.314 | 2,776,915.916 | 36.286978419 | -107.650700049 |
| 2,000.00 | | 112.793 | 1,855.05 | -214.72 | 510.98 | 1,923,785.339 | 2,776,975.349 | 36.286909503 | -107.650498546 |
| 2,054.88 | 40.14 | 112.793 | 1,897.00 | -228.43 | 543.60 | 1,923,771.633 | 2,777,007.966 | 36.286871683 | -107.650387962 |
| Picture | | | | | | | | | |
| 2,100.00 | | 112.793 | 1,931.49 | -239.70 | 570.41 | 1,923,760.364 | 2,777,034.782 | 36.286840587 | -107.650297042 |
| 2,185.69 | 40.14 | 112.793 | 1,997.00 | -261.10 | 621.34 | 1,923,738.963 | 2,777,085.711 | 36.286781532 | -107.650124372 |
| Lewis | | | | | | | | | |
| 2,200.00 | | 112.793 | 2,007.94 | -264.68 | 629.85 | 1,923,735.389 | 2,777,094.215 | 36.286771671 | -107.650095539 |
| 2,300.00 | | 112.793 | 2,084.38 | -289.65 | 689.28 | 1,923,710.414 | 2,777,153.648 | 36.286702754 | -107.649894037 |
| 2,400.00 | | 112.793 | 2,160.83 | -314.63 | 748.71 | 1,923,685.439 | 2,777,213.081 | 36.286633837 | -107.649692534 |
| 2,500.00 | | 112.793 | 2,237.28 | -339.60 | 808.15 | 1,923,660.464 | 2,777,272.514 | 36.286564919 | -107.649491032 |
| 2,597.75 | 40.14 | 112.793 | 2,312.00 | -364.01 | 866.24 | 1,923,636.051 | 2,777,330.609 | 36.286497553 | -107.649294068 |
| Chacra | 40.44 | 440 700 | 0.040.70 | 004.50 | 007.50 | 4 000 005 400 | 0.777.004.040 | 00 000 10000 1 | 107.010000501 |
| 2,600.00 | | 112.793 | 2,313.72 | -364.58 | 867.58 | 1,923,635.489 | 2,777,331.948 | 36.286496001 | -107.649289531 |
| 2,700.00 | | 112.793 | 2,390.17 | -389.55 | 927.01 | 1,923,610.514 | 2,777,391.381 | 36.286427083 | -107.649088029 |
| 2,800.00 | | 112.793 | 2,466.61 | -414.53 | 986.45 | 1,923,585.539 | 2,777,450.814 | 36.286358165 | -107.648886529 |
| 2,900.00 | | 112.793 | 2,543.06 | -439.50 | 1,045.88 | 1,923,560.564 | 2,777,510.247 | 36.286289246 | -107.648685028 |
| 3,000.00 3,100.00 | | 112.793 112.793 | 2,619.50 2,695.95 | -464.48 -489.45 | 1,105.31 | 1,923,535.589 | 2,777,569.680 | 36.286220327 | -107.648483528 -107.648282028 |
| 3,200.00 | | 112.793 | 2,095.95 | -469.45 -514.43 | 1,164.75 1,224.18 | 1,923,510.614 1,923,485.639 | 2,777,629.113 2,777,688.546 | 36.286151407 36.286082487 | -107.648080530 |
| 3,300.00 | | 112.793 | 2,772.40 | -514.43 | 1,224.16 | 1,923,460.664 | 2,777,747.979 | 36.286013567 | -107.647879030 |
| 3,400.00 | | 112.793 | 2,925.29 | -564.38 | 1,343.04 | 1,923,435.689 | 2,777,807.412 | 36.285944647 | -107.647677532 |
| 3,500.00 | | 112.793 | 3,001.73 | -589.35 | 1,402.48 | 1,923,410.714 | 2,777,866.845 | 36.285875726 | -107.647476033 |
| 0,000.00 | 70.17 | 112.700 | 0,001.70 | 000.00 | 1,102.40 | 1,020, 110.714 | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 00.200010120 | 107.0017170000 |



Planning Report - Geographic

Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| ned Survey | | | | | | | | | |
|----------------------|----------------|--------------------|---------------------------|--------------------|----------------------|--------------------------------|--------------------------------|------------------------------|----------------------------|
| Measured Depth (ft) | Inclination | Azimuth | Vertical Depth (ft) | +N/-S (ft) | +E/-W | Map Northing (usft) | Map Easting (usft) | l adder de | l a warte de |
| (11) | (°) | (°) | | (11) | (ft) | | (usit) | Latitude | Longitude |
| 3,600.00 | 40.14 | 112.793 | 3,078.18 | -614.33 | 1,461.91 | 1,923,385.739 | 2,777,926.278 | 36.285806805 | -107.647274 |
| 3,700.00 | 40.14 | 112.793 | 3,154.62 | -639.30 | 1,521.34 | 1,923,360.764 | 2,777,985.711 | 36.285737883 | -107.647073 |
| 3,800.00 | 40.14 | 112.793 | 3,231.07 | -664.28 | 1,580.78 | 1,923,335.789 | 2,778,045.144 | 36.285668961 | -107.64687 |
| 3,900.00 | 40.14 | 112.793 | 3,307.52 | -689.25 | 1,640.21 | 1,923,310.814 | 2,778,104.577 | 36.285600039 | -107.646670 |
| 4,000.00 | 40.14 | 112.793 | 3,383.96 | -714.23 | 1,699.64 | 1,923,285.839 | 2,778,164.010 | 36.285531117 | -107.646468 |
| 4,036.68 | 40.14 | 112.793 | 3,412.00 | -723.39 | 1,721.44 | 1,923,276.678 | 2,778,185.809 | 36.285505837 | -107.646394 |
| Cliff Hous | | 440 700 | 0.447.00 | 705.00 | 4 705 00 | 4 000 075 045 | 0.770.400.000 | 00.005504000 | 107.01000 |
| 4,043.22 | 40.14 | 112.793 | 3,417.00 | -725.02 | 1,725.33 | 1,923,275.045 | 2,778,189.696 | 36.285501329 | -107.64638 |
| Menefee | 10.11 | 110 700 | 0.400.44 | 700.00 | 4 750 00 | 4 000 000 004 | 0.770.000.440 | 00.005400404 | 107.01000 |
| 4,100.00 | 40.14 | 112.793 | 3,460.41 | -739.20 | 1,759.08 | 1,923,260.864 | 2,778,223.443 | 36.285462194 | -107.646267 |
| 4,200.00 | 40.14 | 112.793 | 3,536.85 | -764.18 | 1,818.51 | 1,923,235.889 | 2,778,282.876 | 36.285393270 | -107.646065 |
| 4,239.44 | 40.14 | 112.793 | 3,567.00 | -774.03 | 1,841.95 | 1,923,226.039 | 2,778,306.314 | 36.285366090 | -107.645986 |
| 9 5/8" Csg | | 110 700 | 2 642 20 | 700 45 | 4 077 04 | 1 000 040 044 | 0.770.040.000 | 26 205224247 | 107.04500 |
| 4,300.00 | 40.14 | 112.793 | 3,613.30 | -789.15 | 1,877.94 | 1,923,210.914 | 2,778,342.309 | 36.285324347 | -107.645864 |
| 4,400.00 | 40.14 | 112.793 | 3,689.74 | -814.13 | 1,937.38 | 1,923,185.939 | 2,778,401.742 | 36.285255423 | -107.645662 |
| 4,500.00 | 40.14 | 112.793 | 3,766.19 | -839.10 | 1,996.81 | 1,923,160.964 | 2,778,461.175 2,778,520.608 | 36.285186499 36.285117574 | -107.64546° -107.645259 |
| 4,600.00 | 40.14 | 112.793 | 3,842.64 | -864.08 | 2,056.24 | 1,923,135.989 | , , | | -107.64525 |
| 4,700.00 | 40.14 | 112.793 | 3,919.08 | -889.05 | 2,115.68 | 1,923,111.014 | 2,778,580.041 | 36.285048649 | |
| 4,800.00 | 40.14 | 112.793 | 3,995.53 | -914.03 | 2,175.11 | 1,923,086.038 | 2,778,639.474 | 36.284979724 36.284910798 | -107.644856 |
| 4,900.00 5,000.00 | 40.14 40.14 | 112.793 112.793 | 4,071.97 4,148.42 | -939.00 -963.98 | 2,234.54 2,293.98 | 1,923,061.063 1,923,036.088 | 2,778,698.907 2,778,758.340 | 36.284841872 | -107.644655 -107.644453 |
| 5,000.00 | 40.14 | 112.793 | 4,146.42 | -903.96 -988.95 | 2,293.96 | 1,923,030.066 | 2,778,817.773 | 36.284772946 | -107.644252 |
| 5,100.00 | 40.14 | 112.793 | 4,252.00 | -997.82 | 2,374.51 | 1,923,002.248 | 2,778,838.870 | 36.284748479 | -107.644180 |
| Point Loo | | 112.700 | 4,202.00 | -337.02 | 2,074.01 | 1,020,002.240 | 2,770,000.070 | 00.204740470 | -107.044100 |
| 5,200.00 | 40.14 | 112.793 | 4,301.31 | -1,013.93 | 2,412.84 | 1,922,986.138 | 2,778,877.206 | 36.284704019 | -107.644050 |
| 5,300.00 | 40.14 | 112.793 | 4,377.76 | -1,038.90 | 2,472.27 | 1,922,961.163 | 2,778,936.639 | 36.284635092 | -107.643849 |
| 5,400.00 | 40.14 | 112.793 | 4,454.20 | -1,063.88 | 2,531.71 | 1,922,936.188 | 2,778,996.072 | 36.284566165 | -107.643647 |
| 5,449.45 | 40.14 | 112.793 | 4,492.00 | -1,076.23 | 2,561.10 | 1,922,923.839 | 2,779,025.459 | 36.284532084 | -107.643548 |
| Mancos | | | • | , | , | | | | |
| 5,500.00 | 40.14 | 112.793 | 4,530.65 | -1,088.85 | 2,591.14 | 1,922,911.213 | 2,779,055.506 | 36.284497237 | -107.643446 |
| 5,600.00 | 40.14 | 112.793 | 4,607.09 | -1,113.83 | 2,650.57 | 1,922,886.238 | 2,779,114.939 | 36.284428309 | -107.643244 |
| 5,645.23 | 40.14 | 112.793 | 4,641.67 | -1,125.12 | 2,677.45 | 1,922,874.943 | 2,779,141.818 | 36.284397136 | -107.643153 |
| Begin 10° | /100' build/tu | ırn | | | | | | | |
| 5,650.00 | 39.72 | 112.443 | 4,645.33 | -1,126.30 | 2,680.28 | 1,922,873.765 | 2,779,144.646 | 36.284393883 | -107.643143 |
| 5,700.00 | 35.38 | 108.358 | 4,684.96 | -1,136.97 | 2,708.81 | 1,922,863.100 | 2,779,173.169 | 36.284364433 | -107.643047 |
| 5,750.00 | 31.21 | 103.318 | 4,726.75 | -1,144.51 | 2,735.17 | 1,922,855.551 | 2,779,199.532 | 36.284343554 | -107.642957 |
| 5,800.00 | 27.29 | 96.950 | 4,770.38 | -1,148.89 | 2,759.17 | 1,922,851.177 | 2,779,223.534 | 36.284331408 | -107.642876 |
| 5,850.00 | 23.75 | 88.744 | 4,815.51 | -1,150.06 | 2,780.63 | 1,922,850.010 | 2,779,244.993 | 36.284328085 | -107.642803 |
| 5,900.00 | 20.77 | 78.107 | 4,861.80 | -1,148.01 | 2,799.38 | 1,922,852.059 | 2,779,263.744 | 36.284333612 | -107.642739 |
| 5,905.56 | 20.48 | 76.752 | 4,867.00 | -1,147.58 | 2,801.29 | 1,922,852.485 | 2,779,265.656 | 36.284334772 | -107.64273 |
| MNCS_A | | | | | | | | | |
| 5,950.00 | 18.63 | 64.652 | 4,908.89 | -1,142.76 | 2,815.28 | 1,922,857.308 | 2,779,279.647 | 36.284347946 | -107.64268 |
| 5,990.10 | 17.73 | 52.102 | 4,947.00 | -1,136.26 | 2,825.89 | 1,922,863.804 | 2,779,290.258 | 36.284365733 | -107.642649 |
| MNCS_B | | | | | | | | | |
| 6,000.00 | 17.64 | 48.856 | 4,956.44 | -1,134.35 | 2,828.21 | 1,922,865.718 | 2,779,292.579 | 36.284370978 | -107.642642 |
| 6,050.00 | 18.00 | 32.507 | 5,004.07 | -1,122.84 | 2,838.08 | 1,922,877.224 | 2,779,302.441 | 36.284402534 | -107.642608 |
| 6,100.00 | 19.62 | 17.786 | 5,051.42 | -1,108.33 | 2,844.80 | 1,922,891.739 | 2,779,309.160 | 36.284442372 | -107.642585 |
| 6,116.58 | 20.39 | 13.497 | 5,067.00 | -1,102.87 | 2,846.32 | 1,922,897.197 | 2,779,310.685 | 36.284457357 | -107.642580 |
| MNCS_C | | | | 4.000.01 | 0.0/2.22 | 4 000 000 100 | 0.770.010.001 | 00.004455454 | 10= -10== |
| 6,150.00 | 22.23 | 5.811 | 5,098.14 | -1,090.91 | 2,848.32 | 1,922,909.153 | 2,779,312.684 | 36.284490189 | -107.642573 |
| 6,200.00 | 25.54 | 356.510 | 5,143.87 | -1,070.73 | 2,848.62 | 1,922,929.333 | 2,779,312.986 | 36.284545623 | -107.642572 |
| 6,209.03 | 26.19 | 355.074 | 5,152.00 | -1,066.80 | 2,848.33 | 1,922,933.262 | 2,779,312.697 | 36.284556418 | -107.642573 |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| Planned Survey | | | | | | | | | |
|----------------------|-----------------|--------------------|----------------------|--------------------|----------------------|--------------------------------|--------------------------------|------------------------------|----------------------------------|
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S | +E/-W | Map Northing | Map Easting | | |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (usft) | (usft) | Latitude | Longitude |
| 6,250.00 | 29.29 | 349.332 | 5,188.26 | -1,047.94 | 2,845.70 | 1,922,952.125 | 2,779,310.064 | 36.284608250 | -107.642582145 |
| 6,289.31 | 32.47 | 344.804 | 5,222.00 | -1,028.30 | 2,841.15 | 1,922,971.768 | 2,779,305.516 | 36.284662233 | -107.642597446 |
| MNCS_D | | | | | | | | | |
| 6,300.00 | 33.36 | 343.709 | 5,230.97 | -1,022.71 | 2,839.58 | 1,922,977.356 | 2,779,303.940 | 36.284677594 | -107.642602757 |
| 6,350.00 | 37.62 | 339.205 | 5,271.68 | -995.23 | 2,830.30 | 1,923,004.834 | 2,779,294.660 | 36.284753128 | -107.642634059 |
| 6,389.21 | 41.07 | 336.249 | 5,302.00 | -972.25 | 2,820.86 | 1,923,027.817 | 2,779,285.222 | 36.284816312 | -107.642665930 |
| MNCS_E | | | | | | | | | |
| 6,400.00 | 42.03 | 335.507 | 5,310.08 | -965.72 | 2,817.93 | 1,923,034.350 | 2,779,282.296 | 36.284834276 | -107.642675815 |
| 6,450.00 | 46.53 | 332.397 | 5,345.87 | -934.39 | 2,802.58 | 1,923,065.679 | 2,779,266.940 | 36.284920421 | -107.642727706 |
| 6,466.40 | 48.03 | 331.478 | 5,357.00 | -923.75 | 2,796.91 | 1,923,076.312 | 2,779,261.271 | 36.284949661 | -107.642746873 |
| MNCS_F 6,500.00 | 51.11 | 329.723 | 5,378.79 | -901.48 | 2,784.35 | 1,923,098.583 | 2,779,248.712 | 36.285010908 | -107.642789337 |
| 6,550.00 | 55.74 | 327.374 | 5,408.58 | -867.25 | 2,763.38 | 1,923,132.811 | 2,779,246.712 | 36.285105047 | -107.642860240 |
| 6,595.61 | 60.00 | 325.449 | 5,432.83 | -835.10 | 2,742.01 | 1,923,164.968 | 2,779,206.373 | 36.285193501 | -107.642932549 |
| | 00.00 00.00 | 020.440 | 0,402.00 | -000.10 | 2,1 42.01 | 1,020,104.000 | 2,110,200.010 | 00.200100001 | 107.042002040 |
| 6,600.00 | 60.00 | 325.449 | 5,435.02 | -831.97 | 2,739.85 | 1,923,168.099 | 2,779,204.217 | 36.285202114 | -107.642939844 |
| 6,623.95 | 60.00 | 325.449 | 5,447.00 | -814.88 | 2,728.09 | 1,923,185.183 | 2,779,192.454 | 36.285249106 | -107.642979644 |
| MNCS G | | | -, | | , | ,, | , , , , , , | | |
| 6,655.61 | 60.00 | 325.449 | 5,462.83 | -792.30 | 2,712.54 | 1,923,207.765 | 2,779,176.904 | 36.285311225 | -107.643032255 |
| Begin 10 | °/100' build/tu | | | | | | | | |
| 6,700.00 | 64.17 | 323.726 | 5,483.61 | -760.35 | 2,689.81 | 1,923,239.718 | 2,779,154.172 | 36.285399122 | -107.643109173 |
| 6,707.89 | 64.91 | 323.433 | 5,487.00 | -754.61 | 2,685.58 | 1,923,245.450 | 2,779,149.942 | 36.285414894 | -107.643123487 |
| MNCS_H | I | | | | | | | | |
| 6,750.00 | 68.89 | 321.924 | 5,503.52 | -723.82 | 2,662.09 | 1,923,276.241 | 2,779,126.458 | 36.285499604 | -107.643202964 |
| 6,800.00 | 73.63 | 320.234 | 5,519.58 | -687.00 | 2,632.35 | 1,923,313.061 | 2,779,096.714 | 36.285600910 | -107.643303643 |
| 6,850.00 | 78.38 | 318.625 | 5,531.67 | -650.17 | 2,600.80 | 1,923,349.896 | 2,779,065.165 | 36.285702269 | -107.643410444 |
| 6,900.00 | 83.13 | 317.069 | 5,539.70 | -613.60 | 2,567.69 | 1,923,386.468 | 2,779,032.053 | 36.285802912 | -107.643522553 |
| 6,922.82 | 85.31 | 316.371 | 5,542.00 | -597.07 | 2,552.12 | 1,923,402.997 | 2,779,016.487 | 36.285848402 | -107.643575259 |
| MNCS_I | 27.00 | 045.545 | 5 5 4 0 0 4 | | 0.500.00 | 4 000 400 407 | 0 770 007 000 | 00.00500070 | 407.04000440 |
| 6,950.00 | 87.90 | 315.545 | 5,543.61 | -577.57 | 2,533.26 | 1,923,422.497 | 2,778,997.629 | 36.285902070 | -107.643639119 |
| 6,967.96 | 89.61 | 315.000 | 5,544.00 | -564.81 | 2,520.63 | 1,923,435.256 | 2,778,984.991 | 36.285937188 | -107.643681915 |
| | 0.61° lateral | 215 000 | E E 4 4 0 0 | E40.16 | 2 407 07 | 1 000 457 000 | 2 770 062 220 | 26 205000520 | 107 642759627 |
| 7,000.00 7,100.00 | 89.61 89.61 | 315.000 315.000 | 5,544.22 5,544.90 | -542.16 -471.45 | 2,497.97 2,427.27 | 1,923,457.909 1,923,528.618 | 2,778,962.338 2,778,891.630 | 36.285999538 36.286194161 | -107.643758627 -107.643998076 |
| 7,100.00 | 89.61 | 315.000 | 5,545.58 | -471.43 | 2,356.56 | 1,923,528.618 | 2,778,820.921 | 36.286388783 | -107.644237527 |
| 7,300.00 | 89.61 | 315.000 | 5,546.26 | -330.03 | 2,285.85 | 1,923,670.037 | 2,778,750.213 | 36.286583404 | -107.644476980 |
| 7,400.00 | 89.61 | 315.000 | 5,546.94 | -259.32 | 2,215.14 | 1,923,740.747 | 2,778,679.505 | 36.286778025 | -107.644716433 |
| 7,500.00 | 89.61 | 315.000 | 5,547.62 | -188.61 | 2,144.43 | 1,923,811.456 | 2,778,608.797 | 36.286972646 | -107.644955888 |
| 7,600.00 | 89.61 | 315.000 | 5,548.30 | -117.90 | 2,073.72 | 1,923,882.166 | 2,778,538.088 | 36.287167266 | -107.645195343 |
| 7,700.00 | 89.61 | 315.000 | 5,548.98 | -47.19 | 2,003.01 | 1,923,952.875 | 2,778,467.380 | 36.287361886 | -107.645434800 |
| 7,800.00 | 89.61 | 315.000 | 5,549.66 | 23.52 | 1,932.31 | 1,924,023.585 | 2,778,396.672 | 36.287556505 | -107.645674258 |
| 7,900.00 | 89.61 | 315.000 | 5,550.34 | 94.23 | 1,861.60 | 1,924,094.294 | 2,778,325.964 | 36.287751124 | -107.645913718 |
| 8,000.00 | 89.61 | 315.000 | 5,551.02 | 164.94 | 1,790.89 | 1,924,165.004 | 2,778,255.255 | 36.287945742 | -107.646153178 |
| 8,100.00 | 89.61 | 315.000 | 5,551.70 | 235.65 | 1,720.18 | 1,924,235.713 | 2,778,184.547 | 36.288140360 | -107.646392640 |
| 8,200.00 | 89.61 | 315.000 | 5,552.38 | 306.36 | 1,649.47 | 1,924,306.423 | 2,778,113.839 | 36.288334977 | -107.646632103 |
| 8,300.00 | 89.61 | 315.000 | 5,553.06 | 377.07 | 1,578.76 | 1,924,377.132 | 2,778,043.130 | 36.288529594 | -107.646871567 |
| 8,400.00 | 89.61 | 315.000 | 5,553.74 | 447.78 | 1,508.06 | 1,924,447.842 | 2,777,972.422 | 36.288724210 | -107.647111032 |
| 8,500.00 8,600.00 | 89.61 89.61 | 315.000 315.000 | 5,554.42 5,555.10 | 518.49 589.20 | 1,437.35 1,366.64 | 1,924,518.552 1,924,589.261 | 2,777,901.714 2,777,831.006 | 36.288918826 36.289113442 | -107.647350499 -107.647589966 |
| 8,700.00 | 89.61 | 315.000 | 5,555.78 | 659.20 | 1,295.93 | 1,924,659.261 | 2,777,760.297 | 36.289308056 | -107.647829435 |
| 8,800.00 | 89.61 | 315.000 | 5,556.46 | 730.62 | 1,295.95 | 1,924,730.680 | 2,777,689.589 | 36.289502671 | -107.648068905 |
| 8,900.00 | 89.61 | 315.000 | 5,557.14 | 801.33 | 1,154.51 | 1,924,801.390 | 2,777,618.881 | 36.289697285 | -107.648308375 |
| 9,000.00 | 89.61 | 315.000 | 5,557.82 | 872.04 | 1,083.81 | 1,924,872.099 | 2,777,548.172 | 36.289891898 | -107.648547848 |
| ., | | | , | | , | , , , | | | |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| Design. | 1671 | | | | | | | | |
|---------------------------|-----------------|--------------------|---------------------------|----------------------|------------------------|--------------------------------|--------------------------------|------------------------------|----------------------------------|
| Planned Survey | / | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 9,100.00 | 89.61 | 315.000 | 5,558.50 | 942.75 | 1,013.10 | 1,924,942.809 | 2,777,477.464 | 36.290086511 | -107.648787321 |
| 9,200.00 | | 315.000 | 5,559.18 | 1,013.46 | 942.39 | 1,925,013.518 | 2,777,406.756 | 36.290281124 | -107.649026796 |
| 9,300.00 | | 315.000 | 5,559.86 | 1,084.17 | 871.68 | 1,925,084.228 | 2,777,336.048 | 36.290475736 | -107.649266272 |
| 9,400.00 | | 315.000 | 5,560.54 | 1,154.88 | 800.97 | 1,925,154.937 | 2,777,265.339 | 36.290670347 | -107.649505749 |
| 9,500.00 | 89.61 | 315.000 | 5,561.22 | 1,225.59 | 730.26 | 1,925,225.647 | 2,777,194.631 | 36.290864958 | -107.649745227 |
| 9,600.00 | 89.61 | 315.000 | 5,561.90 | 1,296.30 | 659.55 | 1,925,296.356 | 2,777,123.923 | 36.291059569 | -107.649984707 |
| 9,700.00 | 89.61 | 315.000 | 5,562.58 | 1,367.01 | 588.85 | 1,925,367.066 | 2,777,053.214 | 36.291254179 | -107.650224188 |
| 9,800.00 | 89.61 | 315.000 | 5,563.25 | 1,437.71 | 518.14 | 1,925,437.775 | 2,776,982.506 | 36.291448788 | -107.650463670 |
| 9,900.00 | 89.61 | 315.000 | 5,563.93 | 1,508.42 | 447.43 | 1,925,508.485 | 2,776,911.798 | 36.291643397 | -107.650703153 |
| 10,000.00 | 89.61 | 315.000 | 5,564.61 | 1,579.13 | 376.72 | 1,925,579.194 | 2,776,841.090 | 36.291838006 | -107.650942637 |
| 10,100.00 | | 315.000 | 5,565.29 | 1,649.84 | 306.01 | 1,925,649.904 | 2,776,770.381 | 36.292032614 | -107.651182123 |
| 10,200.00 | | 315.000 | 5,565.97 | 1,720.55 | 235.30 | 1,925,720.613 | 2,776,699.673 | 36.292227222 | -107.651421609 |
| 10,300.00 | | 315.000 | 5,566.65 | 1,791.26 | 164.60 | 1,925,791.323 | 2,776,628.965 | 36.292421829 | -107.651661097 |
| 10,400.00 | | 315.000 | 5,567.33 | 1,861.97 | 93.89 | 1,925,862.032 | 2,776,558.257 | 36.292616436 | -107.651900586 |
| 10,500.00 | | 315.000 | 5,568.01 | 1,932.68 | 23.18 | 1,925,932.742 | 2,776,487.548 | 36.292811042 | -107.652140076 |
| 10,600.00 | | 315.000 | 5,568.69 | 2,003.39 | -47.53 | 1,926,003.451 | 2,776,416.840 | 36.293005647 | -107.652379568 |
| 10,700.00 | | 315.000 | 5,569.37 | 2,074.10 | -118.24 | 1,926,074.161 | 2,776,346.132 | 36.293200253 | -107.652619060 |
| 10,800.00 | | 315.000 | 5,570.05 | 2,144.81 | -188.95 | 1,926,144.870 | 2,776,275.423 | 36.293394857 | -107.652858554 |
| 10,900.00 | | 315.000 | 5,570.73 | 2,215.52 | -259.66 | 1,926,215.580 | 2,776,204.715 | 36.293589462 | -107.653098049 |
| 11,000.00 | | 315.000 | 5,571.41 5,572.09 | 2,286.23 2,356.94 | -330.36 -401.07 | 1,926,286.289 | 2,776,134.007 | 36.293784065 | -107.653337545 |
| 11,100.00 11,200.00 | | 315.000 315.000 | 5,572.09 | 2,330.94 | -401.07 -471.78 | 1,926,356.999 1,926,427.710 | 2,776,063.299 2,775,992.590 | 36.293978669 36.294173272 | -107.653577043 -107.653816541 |
| 11,300.00 | | 315.000 | 5,573.45 | 2,427.03 | -542.49 | 1,926,498.419 | 2,775,921.882 | 36.294367874 | -107.654056041 |
| 11,400.00 | | 315.000 | 5,574.13 | 2,569.07 | -613.20 | 1,926,569.129 | 2,775,851.174 | 36.294562476 | -107.654295542 |
| 11,500.00 | | 315.000 | 5,574.81 | 2,639.78 | -683.91 | 1,926,639.838 | 2,775,780.465 | 36.294757077 | -107.654535044 |
| 11,600.00 | | 315.000 | 5,575.49 | 2,710.49 | -754.61 | 1,926,710.548 | 2,775,709.757 | 36.294951678 | -107.654774547 |
| 11,700.00 | | 315.000 | 5,576.17 | 2,781.20 | -825.32 | 1,926,781.257 | 2,775,639.049 | 36.295146278 | -107.655014052 |
| 11,800.00 | | 315.000 | 5,576.85 | 2,851.91 | -896.03 | 1,926,851.967 | 2,775,568.341 | 36.295340877 | -107.655253558 |
| 11,900.00 | | 315.000 | 5,577.53 | 2,922.62 | -966.74 | 1,926,922.676 | 2,775,497.632 | 36.295535477 | -107.655493065 |
| 12,000.00 | | 315.000 | 5,578.21 | 2,993.33 | -1,037.45 | 1,926,993.386 | 2,775,426.924 | 36.295730076 | -107.655732573 |
| 12,100.00 | 89.61 | 315.000 | 5,578.89 | 3,064.04 | -1,108.16 | 1,927,064.095 | 2,775,356.216 | 36.295924674 | -107.655972082 |
| 12,200.00 | 89.61 | 315.000 | 5,579.57 | 3,134.75 | -1,178.86 | 1,927,134.805 | 2,775,285.507 | 36.296119272 | -107.656211592 |
| 12,300.00 | 89.61 | 315.000 | 5,580.25 | 3,205.46 | -1,249.57 | 1,927,205.514 | 2,775,214.799 | 36.296313870 | -107.656451104 |
| 12,400.00 | 89.61 | 315.000 | 5,580.93 | 3,276.17 | -1,320.28 | 1,927,276.224 | 2,775,144.091 | 36.296508467 | -107.656690617 |
| 12,500.00 | 89.61 | 315.000 | 5,581.61 | 3,346.88 | -1,390.99 | 1,927,346.933 | 2,775,073.383 | 36.296703063 | -107.656930131 |
| 12,600.00 | 89.61 | 315.000 | 5,582.29 | 3,417.59 | -1,461.70 | 1,927,417.643 | 2,775,002.674 | 36.296897659 | -107.657169646 |
| 12,700.00 | 89.61 | 315.000 | 5,582.97 | 3,488.30 | -1,532.41 | 1,927,488.352 | 2,774,931.966 | 36.297092255 | -107.657409163 |
| 12,800.00 | | 315.000 | 5,583.65 | 3,559.00 | -1,603.12 | 1,927,559.062 | 2,774,861.258 | 36.297286850 | -107.657648680 |
| 12,900.00 | | 315.000 | 5,584.33 | 3,629.71 | -1,673.82 | 1,927,629.771 | 2,774,790.550 | 36.297481444 | -107.657888199 |
| 13,000.00 | | 315.000 | 5,585.01 | 3,700.42 | -1,744.53 | 1,927,700.481 | 2,774,719.841 | 36.297676039 | -107.658127719 |
| 13,100.00 | | 315.000 | 5,585.69 | 3,771.13 | -1,815.24 | 1,927,771.190 | 2,774,649.133 | 36.297870632 | -107.658367240 |
| 13,200.00 | | 315.000 | 5,586.37 | 3,841.84 | -1,885.95 | 1,927,841.900 | 2,774,578.425 | 36.298065225 | -107.658606762 |
| 13,300.00 | | 315.000 | 5,587.05 | 3,912.55 | -1,956.66 | 1,927,912.609 | 2,774,507.716 | 36.298259818 | -107.658846286 |
| 13,400.00 | | 315.000 | 5,587.73 | 3,983.26 | -2,027.37 | 1,927,983.319 | 2,774,437.008 | 36.298454410 | -107.659085811 |
| 13,500.00 | | 315.000 | 5,588.41 | 4,053.97 | -2,098.07 | 1,928,054.028 | 2,774,366.300 | 36.298649002 | -107.659325337 |
| 13,600.00 | | 315.000 | 5,589.09 5,589.77 | 4,124.68 | -2,168.78 | 1,928,124.738 | 2,774,295.592 | 36.298843593 | -107.659564864 |
| 13,700.00 | | 315.000 | 5,589.77 | 4,195.39 | -2,239.49 | 1,928,195.447 | 2,774,224.883 | 36.299038184 | -107.659804392 |
| 13,800.00 | | 315.000 315.000 | 5,590.45 5,591.13 | 4,266.10 | -2,310.20 2,380.01 | 1,928,266.157 | 2,774,154.175 | 36.299232774 | -107.660043922 |
| 13,900.00 14,000.00 | | 315.000 | 5,591.13 5,501.81 | 4,336.81 4,407.52 | -2,380.91 | 1,928,336.866 | 2,774,083.467 2,774,012.758 | 36.299427364 | -107.660283452 -107.660522984 |
| | | | 5,591.81 5,592.49 | | -2,451.62 -2,522.32 | 1,928,407.576 | , , | 36.299621953 36.299816542 | -107.660522984 |
| 14,100.00 14,200.00 | | 315.000 315.000 | 5,592.49 5,593.17 | 4,478.23 4,548.94 | -2,522.32 -2,593.03 | 1,928,478.286 1,928,548.995 | 2,773,942.050 2,773,871.342 | 36.299816542 | -107.661002051 |
| 14,200.00 | | 315.000 | 5,593.17 | 4,546.94 4,619.65 | -2,593.03 -2,663.74 | 1,928,619.705 | 2,773,800.634 | 36.300011130 | -107.661241587 |
| 14,400.00 | | 315.000 | 5,593.63 | 4,690.36 | -2,003.74 -2,734.45 | 1,928,690.414 | 2,773,729.925 | 36.300400306 | -107.661481124 |
| 14,500.00 | | 315.000 | 5,595.21 | 4,761.07 | -2,805.16 | 1,928,761.124 | 2,773,659.217 | 36.300594892 | -107.661720661 |



Database: DB_Decv0422v16
Company: DB_Decv0422v16
Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| Planned Survey | | | | | | | | | |
|---------------------------|-----------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|--------------|----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
| 14,600.00 | 89.61 | 315.000 | 5,595.89 | 4,831.78 | -2,875.87 | 1,928,831.833 | 2,773,588.509 | 36.300789479 | -107.661960200 |
| 14,700.00 | 89.61 | 315.000 | 5,596.57 | 4,902.49 | -2,946.58 | 1,928,902.543 | 2,773,517.800 | 36.300984065 | -107.662199741 |
| 14,800.00 | 89.61 | 315.000 | 5,597.25 | 4,973.20 | -3,017.28 | 1,928,973.252 | 2,773,447.092 | 36.301178650 | -107.662439282 |
| 14,900.00 | 89.61 | 315.000 | 5,597.93 | 5,043.91 | -3,087.99 | 1,929,043.962 | 2,773,376.384 | 36.301373235 | -107.662678825 |
| 15,000.00 | 89.61 | 315.000 | 5,598.61 | 5,114.62 | -3,158.70 | 1,929,114.671 | 2,773,305.676 | 36.301567820 | -107.662918368 |
| 15,100.00 | 89.61 | 315.000 | 5,599.29 | 5,185.33 | -3,229.41 | 1,929,185.381 | 2,773,234.967 | 36.301762404 | -107.663157913 |
| 15,200.00 | 89.61 | 315.000 | 5,599.97 | 5,256.04 | -3,300.12 | 1,929,256.090 | 2,773,164.259 | 36.301956987 | -107.663397460 |
| 15,300.00 | 89.61 | 315.000 | 5,600.65 | 5,326.75 | -3,370.83 | 1,929,326.800 | 2,773,093.551 | 36.302151570 | -107.663637007 |
| 15,400.00 | 89.61 | 315.000 | 5,601.33 | 5,397.46 | -3,441.53 | 1,929,397.509 | 2,773,022.843 | 36.302346153 | -107.663876555 |
| 15,500.00 | 89.61 | 315.000 | 5,602.01 | 5,468.17 | -3,512.24 | 1,929,468.219 | 2,772,952.134 | 36.302540735 | -107.664116105 |
| 15,600.00 | 89.61 | 315.000 | 5,602.69 | 5,538.88 | -3,582.95 | 1,929,538.928 | 2,772,881.426 | 36.302735316 | -107.664355656 |
| 15,700.00 | 89.61 | 315.000 | 5,603.37 | 5,609.59 | -3,653.66 | 1,929,609.638 | 2,772,810.718 | 36.302929897 | -107.664595208 |
| 15,800.00 | 89.61 | 315.000 | 5,604.05 | 5,680.29 | -3,724.37 | 1,929,680.347 | 2,772,740.009 | 36.303124478 | -107.664834761 |
| 15,900.00 | 89.61 | 315.000 | 5,604.73 | 5,751.00 | -3,795.08 | 1,929,751.057 | 2,772,669.301 | 36.303319058 | -107.665074316 |
| 16,000.00 | 89.61 | 315.000 | 5,605.41 | 5,821.71 | -3,865.78 | 1,929,821.766 | 2,772,598.593 | 36.303513638 | -107.665313872 |
| 16,100.00 | 89.61 | 315.000 | 5,606.09 | 5,892.42 | -3,936.49 | 1,929,892.476 | 2,772,527.885 | 36.303708217 | -107.665553429 |
| 16,200.00 | 89.61 | 315.000 | 5,606.77 | 5,963.13 | -4,007.20 | 1,929,963.185 | 2,772,457.176 | 36.303902795 | -107.665792987 |
| 16,300.00 | 89.61 | 315.000 | 5,607.45 | 6,033.84 | -4,077.91 | 1,930,033.895 | 2,772,386.468 | 36.304097374 | -107.666032546 |
| 16,400.00 | 89.61 | 315.000 | 5,608.13 | 6,104.55 | -4,148.62 | 1,930,104.604 | 2,772,315.760 | 36.304291951 | -107.666272106 |
| 16,500.00 | 89.61 | 315.000 | 5,608.81 | 6,175.26 | -4,219.33 | 1,930,175.314 | 2,772,245.051 | 36.304486528 | -107.666511668 |
| 16,600.00 | 89.61 | 315.000 | 5,609.49 | 6,245.97 | -4,290.04 | 1,930,246.023 | 2,772,174.343 | 36.304681105 | -107.666751231 |
| 16,700.00 | 89.61 | 315.000 | 5,610.17 | 6,316.68 | -4,360.74 | 1,930,316.733 | 2,772,103.635 | 36.304875681 | -107.666990795 |
| 16,800.00 | 89.61 | 315.000 | 5,610.85 | 6,387.39 | -4,431.45 | 1,930,387.443 | 2,772,032.927 | 36.305070257 | -107.667230360 |
| 16,900.00 | 89.61 | 315.000 | 5,611.53 | 6,458.10 | -4,502.16 | 1,930,458.152 | 2,771,962.218 | 36.305264833 | -107.667469926 |
| 17,000.00 | 89.61 | 315.000 | 5,612.21 | 6,528.81 | -4,572.87 | 1,930,528.862 | 2,771,891.510 | 36.305459407 | -107.667709494 |
| 17,100.00 | 89.61 | 315.000 | 5,612.89 | 6,599.52 | -4,643.58 | 1,930,599.571 | 2,771,820.802 | 36.305653982 | -107.667949063 |
| 17,200.00 | 89.61 | 315.000 | 5,613.57 | 6,670.23 | -4,714.29 | 1,930,670.281 | 2,771,750.093 | 36.305848555 | -107.668188633 |
| 17,300.00 | 89.61 | 315.000 | 5,614.25 | 6,740.94 | -4,784.99 | 1,930,740.990 | 2,771,679.385 | 36.306043129 | -107.668428204 |
| 17,400.00 | 89.61 | 315.000 | 5,614.93 | 6,811.65 | -4,855.70 | 1,930,811.700 | 2,771,608.677 | 36.306237702 | -107.668667776 |
| 17,410.95 | 89.61 | 315.000 | 5,615.00 | 6,819.39 | -4,863.44 | 1,930,819.440 | 2,771,600.937 | 36.306259000 | -107.668694000 |
| PBHL/TD | @ 17410.95 | MD 5615.00 T | VD | | | | | | |

| Design Targets | | | | | | | | | |
|--|------------------|------------------------|--------------------------|--------------------------|----------------------------|------------------------|-------------------|--------------|----------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| Ridge 130H FTP 2390 F - plan misses target - Point | | 0.000 7ft at 6967.9 | 5,544.00 3ft MD (5544 | -564.88 .00 TVD, -564 | 2,520.60 I.83 N, 2520.6 | 1,923,435.188 65 E) | 2,778,984.966 | 36.285937000 | -107.643682000 |
| Ridge 130H LTP 237 FN - plan hits target cer - Point | | 0.000 | 5,615.00 | 6,819.39 | -4,863.44 | 1,930,819.440 | 2,771,600.937 | 36.306259000 | -107.668694000 |

| Casing Points | | | | | | | |
|---------------|---------------------------|---------------------------|---------------------------|------|---------------------------|-------------------------|--|
| | Measured Depth (ft) | Vertical Depth (ft) | | Name | Casing Diameter (") | Hole Diameter (") | |
| | 350.00 4,239.44 | | 13 3/8" Csg 9 5/8" Csg | | 13-3/8 9-5/8 | 17-1/2 12-1/4 | |



Database: DB_Decv0422v16
Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Site: Ridge Unit (130, 135, 136 & 137)

Well: Ridge Unit No. 130H
Wellbore: Original Hole
Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

| rmations | | | | | | | |
|----------|---------------------------|---------------------------|-----------------|------|-----------|------------|-------------------------|
| | Measured Depth (ft) | Vertical Depth (ft) | | Name | Lithology | Dip (°) | Dip Direction (°) |
| | 1,253.39 | 1,234.00 | Ojo Alamo | | | | |
| | 1,388.73 | 1,357.00 | Kirtland | | | | |
| | 1,644.23 | 1,577.00 | Fruitland | | | | |
| | 2,054.88 | 1,897.00 | Pictured Cliffs | | | | |
| | 2,185.69 | 1,997.00 | Lewis | | | | |
| | 2,597.75 | 2,312.00 | Chacra | | | | |
| | 4,036.68 | 3,412.00 | Cliff House | | | | |
| | 4,043.22 | 3,417.00 | Menefee | | | | |
| | 5,135.50 | 4,252.00 | Point Lookout | | | | |
| | 5,449.45 | 4,492.00 | Mancos | | | | |
| | 5,905.56 | 4,867.00 | MNCS_A | | | | |
| | 5,990.10 | 4,947.00 | MNCS_B | | | | |
| | 6,116.58 | 5,067.00 | MNCS_C | | | | |
| | 6,209.03 | 5,152.00 | MNCS_Cms | | | | |
| | 6,289.31 | 5,222.00 | MNCS_D | | | | |
| | 6,389.21 | 5,302.00 | MNCS_E | | | | |
| | 6,466.40 | 5,357.00 | MNCS_F | | | | |
| | 6,623.95 | 5,447.00 | MNCS_G | | | | |
| | 6,707.89 | 5,487.00 | MNCS_H | | | | |
| | 6,922.82 | 5,542.00 | MNCS_I | | | | |

| Plan Annotations | | | | |
|------------------|---------------|-------------|-----------|-----------------------------------|
| Measured | Vertical | Local Coord | dinates | |
| Depth (ft) | Depth (ft) | +N/-S | +E/-W | Commant |
| | | (ft) | (ft) | Comment |
| 500.00 | 500.00 | 0.00 | 0.00 | KOP Begin 3°/100' build |
| 1,838.04 | 1,731.24 | -174.28 | 414.72 | Begin 40.14° tangent |
| 5,645.23 | 4,641.67 | -1,125.12 | 2,677.45 | Begin 10°/100' build/turn |
| 6,595.61 | 5,432.83 | -835.10 | 2,742.01 | Begin 60.00° tangent |
| 6,655.61 | 5,462.83 | -792.30 | 2,712.54 | Begin 10°/100' build/turn |
| 6,967.96 | 5,544.00 | -564.81 | 2,520.63 | Begin 89.61° lateral |
| 17,410.95 | 5,615.00 | 6,819.39 | -4,863.44 | PBHL/TD @ 17410.95 MD 5615.00 TVD |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

0.00 ft Site Error:

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Local Co-ordinate Reference:

Well Ridge Unit No. 130H TVD Reference: RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft MD Reference:

North Reference: Grid

Survey Calculation Method: Minimum Curvature Output errors are at 2.00 sigma

DB_Decv0422v16 Database: Offset TVD Reference: Offset Datum

Reference rev1

Filter type: GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference

Interpolation Method: MD Interval 100.00ft Error Model: **ISCWSA**

Depth Range: Unlimited Scan Method: Closest Approach 3D Maximum centre distance of 1,941.09ft Results Limited by: Error Surface: Ellipsoid Separation Warning Levels Evaluated at: 2.00 Sigma Casing Method: Not applied

Survey Tool Program 8/16/2023 Date From То Survey (Wellbore) **Tool Name** Description (ft) (ft) 17,410.95 rev1 (Original Hole) MWD OWSG MWD - Standard 0.00

| Summary | | | | | | |
|---|---|---|---|---|--|---------|
| Site Name Offset Well - Wellbore - Design | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Dista Between Centres (ft) | nce Between Ellipses (ft) | Separation Factor | Warning |
| NW Lybrook (138, 139, 140 & 141) | | | | | | |
| Lybrook 2408 138H - Original Hole - rev0 Lybrook 2408 138H - Original Hole - rev0 NW Lybrook Unit 139H - Original Hole - rev0 NW Lybrook Unit 139H - Original Hole - rev0 | 6,340.67 6,500.00 6,272.75 6,300.00 | 6,283.29 6,330.67 6,019.37 6,037.72 | 485.60 522.92 575.36 576.29 | 411.14 438.10 498.30 498.97 | 6.521 CC, ES 6.165 SF 7.466 CC, ES 7.453 SF | |
| Ridge Unit (124, 127, 128 & 129) | | | | | | |
| Ridge Unit No. 129H - Original Hole - rev1 | 16,222.14 | 17,001.07 | 1,156.44 | 651.86 | 2.292 CC, ES | , SF |
| Ridge Unit (130, 135, 136 & 137) | | | | | | |
| Ridge Unit No. 135H - Original Hole - rev1 Ridge Unit No. 135H - Original Hole - rev1 Ridge Unit No. 136H - Original Hole - rev1 Ridge Unit No. 136H - Original Hole - rev1 Ridge Unit No. 137H - Original Hole - rev1 Ridge Unit No. 137H - Original Hole - rev1 | 500.00 17,410.95 500.00 700.00 500.00 700.00 | 500.00 15,553.12 500.00 699.63 500.00 699.63 | 20.09 1,156.79 40.06 48.28 60.14 68.20 | 16.95 678.19 36.92 43.74 57.01 63.65 | 6.405 CC, ES 2.417 SF 12.770 CC, ES 10.616 SF 19.175 CC, ES 14.995 SF | |

| urvey Prog | ram: rence | 0-MWD | oot. | Comi I | Maior Axis | | Offset Wellb | oro Contro | Die | Rule Assig | gned: | | Offset Well Error: | 0.00 |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|------|
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 4,400.00 | 3,689.74 | 4,284.65 | 4,037.57 | 44.91 | 25.49 | 19.90 | -1,894.95 | 3,428.72 | 1,871.64 | 1,829.98 | 41.67 | 44.919 | | |
| 4,500.00 | 3,766.19 | 4,349.87 | 4,097.89 | 46.29 | 25.95 | 19.51 | -1,870.51 | 3,432.97 | 1,796.29 | 1,753.79 | 42.50 | 42.262 | | |
| 4,600.00 | 3,842.6 | 4,415.08 | 4,158.21 | 47.66 | 26.40 | 19.09 | -1,846.08 | 3,437.21 | 1,720.97 | 1,677.64 | 43.34 | 39.713 | | |
| 4,700.00 | 3,919.08 | 3 4,480.30 | 4,218.52 | 49.03 | 26.86 | 18.62 | -1,821.65 | 3,441.46 | 1,645.70 | 1,601.55 | 44.16 | 37.268 | | |
| 4,800.00 | 3,995.5 | 3 4,545.51 | 4,278.84 | 50.40 | 27.32 | 18.12 | -1,797.22 | 3,445.70 | 1,570.49 | 1,525.51 | 44.97 | 34.921 | | |
| 4,900.00 | 4,071.9 | 7 4,610.73 | 4,339.16 | 51.78 | 27.77 | 17.56 | -1,772.79 | 3,449.95 | 1,495.33 | 1,449.55 | 45.78 | 32.665 | | |
| 5,000.00 | 4,148.4 | 4,675.95 | 4,399.48 | 53.15 | 28.23 | 16.95 | -1,748.35 | 3,454.19 | 1,420.24 | 1,373.66 | 46.58 | 30.493 | | |
| 5,100.00 | 4,224.86 | 4,741.16 | 4,459.79 | 54.52 | 28.69 | 16.27 | -1,723.92 | 3,458.44 | 1,345.23 | 1,297.86 | 47.37 | 28.401 | | |
| 5,200.00 | 4,301.3 | 1 4,806.38 | 4,520.11 | 55.90 | 29.14 | 15.52 | -1,699.49 | 3,462.68 | 1,270.31 | 1,222.17 | 48.14 | 26.386 | | |
| 5,300.00 | 4,377.70 | 4,871.59 | 4,580.43 | 57.27 | 29.60 | 14.67 | -1,675.06 | 3,466.93 | 1,195.51 | 1,146.60 | 48.91 | 24.442 | | |
| 5,400.00 | 4,454.20 | 4,936.81 | 4,640.74 | 58.64 | 30.05 | 13.71 | -1,650.62 | 3,471.18 | 1,120.85 | 1,071.17 | 49.67 | 22.564 | | |
| 5,500.00 | 4,530.6 | 5,002.02 | 4,701.06 | 60.02 | 30.51 | 12.63 | -1,626.19 | 3,475.42 | 1,046.35 | 995.91 | 50.43 | 20.748 | | |
| 5,600.00 | 4,607.09 | 5,067.24 | 4,761.38 | 61.39 | 30.97 | 11.38 | -1,601.76 | 3,479.67 | 972.05 | 920.86 | 51.19 | 18.990 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Well Ridge Unit No. 130H

ce: Grid

Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: DB_Decv0422v16

Offset TVD Reference: Offset Datum

| Offset De | sign: NV | V Lybrook (| 138, 139, | 140 & 141) | - Lybrool | k 2408 138H | - Original Hol | e - rev0 | | | | | Offset Site Error: | 0.00 f |
|-------------------|-------------------|-------------------|-------------------|------------|------------|----------------------|----------------|------------|--------------------|---------------------|-----------------------|----------------------|--------------------|--------|
| Survey Prog | ram: 0-l | MWD | | | | | | | | Rule Assi | aned: | | Offset Well Error: | 0.00 f |
| Refe | rence | Off | | | lajor Axis | III ab at da | Offset Wellb | ore Centre | | tance | _ | 0 | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | +N/-S | +E/-W | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | | |
| 5,700.00 | 4,684.96 | 6,409.25 | 5,557.88 | 62.72 | 35.65 | 150.09 | -1,397.92 | 2,705.30 | 896.73 | 856.56 | 40.17 | 22.322 | | |
| 5,800.00 | 4,770.38 | 6,358.53 | 5,558.09 | 63.77 | 35.40 | 143.15 | -1,397.90 | 2,756.01 | 811.85 | 771.03 | 40.82 | 19.890 | | |
| 5,900.00 | 4,861.80 | 6,317.94 | 5,558.26 | 64.50 | 35.24 | 140.16 | -1,397.88 | 2,796.61 | 725.84 | 683.27 | 42.57 | 17.050 | | |
| 6,000.00 | 4,956.44 | 6,288.70 | 5,558.39 | 64.92 | 35.14 | 150.27 | -1,397.87 | 2,825.85 | 643.40 | 597.38 | 46.02 | 13.981 | | |
| 6,100.00 | 5,051.42 | 6,271.70 | 5,558.46 | 65.09 | 35.08 | 168.50 | -1,397.86 | 2,842.85 | 570.90 | 519.02 | 51.88 | 11.003 | | |
| 6,200.00 | 5,143.87 | 6,267.47 | 5,558.48 | 65.08 | 35.07 | -177.37 | -1,397.86 | 2,847.08 | 516.43 | 455.96 | 60.47 | 8.541 | | |
| 6,300.00 | 5,230.97 | 6,276.12 | 5,558.44 | 64.97 | 35.10 | -167.31 | -1,397.86 | 2,838.42 | 488.24 | 417.67 | 70.57 | 6.919 | | |
| 6,340.67 | 5,264.25 | 6,283.29 | 5,558.41 | 64.90 | 35.12 | -163.61 | -1,397.86 | 2,831.26 | 485.60 | 411.14 | 74.46 | 6.521 CC, ES | 3 | |
| 6,400.00 | 5,310.08 | 6,297.41 | 5,558.35 | 64.81 | 35.17 | -158.13 | -1,397.87 | 2,817.14 | 491.09 | 411.74 | 79.35 | 6.189 | | |
| 6,500.00 | 5,378.79 | 6,330.67 | 5,558.21 | 64.67 | 35.29 | -147.73 | -1,397.88 | 2,783.88 | 522.92 | 438.10 | 84.83 | 6.165 SF | | |
| 6,600.00 | 5,435.02 | 6,374.90 | 5,558.02 | 64.59 | 35.48 | -135.48 | -1,397.90 | 2,739.65 | 576.15 | 488.74 | 87.41 | 6.591 | | |
| 6,700.00 | 5,483.61 | 6,424.70 | 5,557.81 | 64.56 | 35.73 | -126.32 | -1,397.93 | 2,689.84 | 640.32 | 551.75 | 88.57 | 7.229 | | |
| 6,800.00 | 5,519.58 | 6,481.98 | 5,557.57 | 64.62 | 36.07 | -111.18 | -1,397.95 | 2,632.57 | 711.32 | 622.00 | 89.32 | 7.964 | | |
| 6,900.00 | 5,539.70 | 6,546.52 | 5,557.30 | 64.77 | 36.54 | -97.60 | -1,397.98 | 2,568.03 | 784.39 | 694.16 | 90.23 | 8.693 | | |
| 7,000.00 | 5,544.22 | 6,616.18 | 5,557.00 | 65.00 | 37.14 | -90.18 | -1,398.01 | 2,498.37 | 855.86 | 764.42 | 91.44 | 9.360 | | |
| 7,100.00 | 5,544.90 | 6,686.86 | 5,556.70 | 65.31 | 37.86 | -90.11 | -1,398.04 | 2,427.69 | 926.60 | 833.79 | 92.81 | 9.984 | | |
| 7,200.00 | 5,545.58 | 6,757.53 | 5,556.41 | 65.68 | 38.69 | -90.05 | -1,398.08 | 2,357.02 | 997.35 | 903.06 | 94.28 | 10.578 | | |
| 7,300.00 | 5,546.26 | 6,828.20 | 5,556.11 | 66.13 | 39.63 | -90.00 | -1,398.11 | 2,286.35 | 1,068.09 | 972.26 | 95.83 | 11.145 | | |
| 7,400.00 | 5,546.94 | 6,898.88 | 5,555.81 | 66.64 | 40.65 | -89.95 | -1,398.14 | 2,215.68 | 1,138.84 | 1,041.38 | 97.46 | 11.685 | | |
| 7,500.00 | 5,547.62 | 6,969.55 | 5,555.51 | 67.23 | 41.76 | -89.91 | -1,398.17 | 2,145.00 | 1,209.58 | 1,110.41 | 99.18 | 12.196 | | |
| 7,600.00 | 5,548.30 | 7,040.22 | 5,555.21 | 67.88 | 42.93 | -89.88 | -1,398.20 | 2,074.33 | 1,280.33 | 1,179.37 | 100.96 | 12.682 | | |
| 7,700.00 | 5,548.98 | 7,110.90 | 5,554.91 | 68.60 | 44.17 | -89.85 | -1,398.23 | 2,003.66 | 1,351.08 | 1,248.27 | 102.80 | 13.142 | | |
| 7,800.00 | 5,549.66 | 7,181.57 | 5,554.61 | 69.40 | 45.46 | -89.82 | -1,398.27 | 1,932.99 | 1,421.82 | 1,317.11 | 104.72 | 13.578 | | |
| 7,900.00 | 5,550.34 | 7,252.24 | 5,554.31 | 70.25 | 46.80 | -89.79 | -1,398.30 | 1,862.31 | 1,492.57 | 1,385.87 | 106.70 | 13.989 | | |
| 8,000.00 | 5,551.02 | 7,322.92 | 5,554.01 | 71.18 | 48.18 | -89.77 | -1,398.33 | 1,791.64 | 1,563.32 | 1,454.59 | 108.73 | 14.379 | | |
| 8,100.00 | 5,551.70 | 7,393.59 | 5,553.72 | 72.16 | 49.59 | -89.75 | -1,398.36 | 1,720.97 | 1,634.06 | 1,523.25 | 110.81 | 14.747 | | |
| 8,200.00 | 5,552.38 | 7,464.26 | 5,553.42 | 73.21 | 51.04 | -89.73 | -1,398.39 | 1,650.30 | 1,704.81 | 1,591.86 | 112.95 | 15.093 | | |
| 8,300.00 | 5,553.06 | 7,534.93 | 5,553.12 | 74.32 | 52.51 | -89.71 | -1,398.42 | 1,579.62 | 1,775.56 | 1,660.42 | 115.14 | 15.421 | | |
| 8,400.00 | 5,553.74 | 7,605.61 | 5,552.82 | 75.48 | 54.00 | -89.69 | -1,398.46 | 1,508.95 | 1,846.30 | 1,728.93 | 117.37 | 15.730 | | |
| 8,500.00 | 5,554.42 | 7,676.28 | 5,552.52 | 76.70 | 55.52 | -89.68 | -1,398.49 | 1,438.28 | 1,917.05 | 1,797.40 | 119.66 | 16.021 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

rence: Grid

 Survey Calculation Method:
 Minimum Curvature

 Output errors are at
 2.00 sigma

 Database:
 DB_Decv0422v16

 Offset TVD Reference:
 Offset Datum

| ffset De | oigii. | · · | 138, 139, | 140 & 141) | - NW Lyl | orook Unit 1 | 39H - Original | Hole - rev0 | | | | | Offset Site Error: | 0.00 |
|---------------|--------------------|---------------|---------------|------------|------------|-----------------|----------------|---------------|-----------------|--------------------|--------------------|-------------|--------------------|------|
| urvey Prog | ram: 0-N erence | MWD Offs | not | Sami B | Major Axis | | Offset Wellb | oro Contro | Die | Rule Assi tance | gned: | | Offset Well Error: | 0.00 |
| Measured | Vertical | Measured | Vertical | Reference | Offset | Highside | | | Between | Between | Minimum | Separation | Warning | |
| Depth (ft) | Depth (ft) | Depth (ft) | Depth (ft) | (ft) | (ft) | Toolface (°) | +N/-S (ft) | +E/-W (ft) | Centres (ft) | Ellipses (ft) | Separation (ft) | Factor | | |
| 3,900.00 | 3,307.52 | 4,274.78 | 4,036.64 | 38.06 | 25.40 | 53.78 | -2,088.07 | 2,642.47 | 1,863.11 | 1,825.73 | 37.38 | 49.842 | | |
| 4,000.00 | 3,383.96 | 4,325.96 | 4,083.86 | 39.43 | 25.77 | 55.19 | -2,070.65 | 2,633.14 | 1,783.36 | 1,744.67 | 38.70 | 46.086 | | |
| 4,100.00 | 3,460.41 | 4,377.15 | 4,131.08 | 40.80 | 26.15 | 56.69 | -2,053.23 | 2,623.80 | 1,704.21 | 1,664.12 | 40.09 | 42.506 | | |
| 4,200.00 | 3,536.85 | 4,428.33 | 4,178.29 | 42.17 | 26.52 | 58.29 | -2,035.81 | 2,614.47 | 1,625.75 | 1,584.16 | 41.58 | 39.098 | | |
| 4,300.00 | 3,613.30 | 4,479.52 | 4,225.51 | 43.54 | 26.90 | 60.00 | -2,018.39 | 2,605.14 | 1,548.07 | 1,504.10 | 43.18 | 35.854 | | |
| 4,400.00 | 3,689.74 | 4,530.70 | 4,272.73 | 44.91 | 27.27 | 61.83 | -2,000.97 | 2,595.81 | 1,471.31 | 1,426.41 | 44.90 | 32.772 | | |
| ., | -, | ., | ., | | | | _, | _, | ., | ., | | | | |
| 4,500.00 | 3,766.19 | 4,581.89 | 4,319.94 | 46.29 | 27.65 | 63.78 | -1,983.55 | 2,586.48 | 1,395.61 | 1,348.86 | 46.76 | 29.849 | | |
| 4,600.00 | 3,842.64 | 4,633.07 | 4,367.16 | 47.66 | 28.02 | 65.85 | -1,966.13 | 2,577.15 | 1,321.17 | 1,272.39 | 48.78 | 27.084 | | |
| 4,700.00 | 3,919.08 | 4,684.26 | 4,414.38 | 49.03 | 28.40 | 68.07 | -1,948.72 | 2,567.82 | 1,248.20 | 1,197.21 | 50.99 | 24.477 | | |
| 4,800.00 | 3,995.53 | 4,735.44 | 4,461.59 | 50.40 | 28.77 | 70.42 | -1,931.30 | 2,558.49 | 1,176.98 | 1,123.55 | 53.43 | 22.028 | | |
| 4,900.00 | 4,071.97 | 4,786.63 | 4,508.81 | 51.78 | 29.15 | 72.93 | -1,913.88 | 2,549.16 | 1,107.84 | 1,051.72 | 56.12 | 19.741 | | |
| 5,000.00 | 4,148.42 | 4,837.81 | 4,556.02 | 53.15 | 29.52 | 75.60 | -1,896.46 | 2,539.83 | 1,041.20 | 982.11 | 59.10 | 17.619 | | |
| 5,100.00 | 4,224.86 | 4,889.00 | 4,603.24 | 54.52 | 29.90 | 78.42 | -1,879.04 | 2,530.50 | 977.58 | 915.18 | 62.40 | 15.667 | | |
| 5,200.00 | 4,301.31 | 4,940.18 | 4,650.46 | 55.90 | 30.27 | 81.39 | -1,861.62 | 2,521.17 | 917.59 | 851.55 | 66.04 | 13.894 | | |
| 5,300.00 | 4,377.76 | 4,991.37 | 4,697.67 | 57.27 | 30.65 | 84.52 | -1,844.20 | 2,511.84 | 862.00 | 791.96 | 70.04 | 12.308 | | |
| 5,400.00 | 4,454.20 | 5,042.55 | 4,744.89 | 58.64 | 31.02 | 87.79 | -1,826.78 | 2,502.51 | 811.71 | 737.36 | 74.35 | 10.917 | | |
| 5,500.00 | 4,530.65 | 5,093.74 | 4,792.11 | 60.02 | 31.40 | 91.19 | -1,809.36 | 2,493.18 | 767.77 | 688.88 | 78.89 | 9.732 | | |
| 5,600.00 | 4,607.09 | 5,144.92 | 4,839.32 | 61.39 | 31.77 | 94.70 | -1,791.94 | 2,483.85 | 731.31 | 647.85 | 83.46 | 8.762 | | |
| 5,700.00 | 4,684.96 | 5,198.27 | 4,888.53 | 62.72 | 32.17 | 100.63 | -1,773.78 | 2,474.12 | 704.39 | 616.67 | 87.72 | 8.030 | | |
| 5,800.00 | 4,770.38 | 5,319.38 | 5,001.27 | 63.77 | 32.17 | 115.94 | -1,7732.03 | 2,461.20 | 689.53 | 599.98 | 89.55 | 7.700 | | |
| 5,900.00 | 4,861.80 | 5,528.30 | 5,192.66 | 64.50 | 33.90 | 137.93 | -1,660.12 | 2,498.08 | 672.91 | 587.57 | 85.34 | 7.885 | | |
| | | | | | | | | | | | | | | |
| 6,000.00 | 4,956.44 | 5,743.70 | 5,363.24 | 64.92 | 34.31 | 160.22 | -1,594.65 | 2,609.77 | 642.74 | 565.20 | 77.53 | 8.290 | | |
| 6,100.00 | 5,051.42 | 5,890.59 | 5,451.66 | 65.09 | 34.35 | 177.96 | -1,559.79 | 2,721.24 | 606.21 | 532.09 | 74.12 | 8.179 | | |
| 6,200.00 | 5,143.87 | 5,949.73 | 5,481.24 | 65.08 | 34.33 | -169.32 | -1,547.91 | 2,771.05 | 581.06 | 503.66 | 77.40 | 7.507 | _ | |
| 6,272.75 | 5,207.93 | 6,019.37 | 5,512.93 | 65.00 | 34.30 | -167.28 | -1,533.54 | 2,831.33 | 575.36 | 498.30 | 77.06 | 7.466 CC, E | S | |
| 6,300.00 | 5,230.97 | 6,037.72 | 5,520.01 | 64.97 | 34.30 | -166.49 | -1,529.61 | 2,847.79 | 576.29 | 498.97 | 77.32 | 7.453 SF | | |
| 6,400.00 | 5,310.08 | 6,073.41 | 5,532.22 | 64.81 | 34.28 | -161.98 | -1,521.83 | 2,880.41 | 596.72 | 517.74 | 78.99 | 7.555 | | |
| 6,500.00 | 5,378.79 | 6,079.61 | 5,534.13 | 64.67 | 34.28 | -154.83 | -1,520.47 | 2,886.15 | 642.81 | 562.94 | 79.87 | 8.048 | | |
| 6,600.00 | 5,435.02 | 6,069.18 | 5,530.89 | 64.59 | 34.29 | -144.62 | -1,522.77 | 2,876.50 | 708.81 | 629.20 | 79.61 | 8.903 | | |
| 6,700.00 | 5,483.61 | 6,053.53 | 5,525.68 | 64.56 | 34.29 | -137.08 | -1,526.19 | 2,862.15 | 785.46 | 706.76 | 78.70 | 9.980 | | |
| 6,800.00 | 5,519.58 | 6,030.23 | 5,517.19 | 64.62 | 34.30 | -118.24 | -1,531.22 | 2,841.05 | 869.80 | 792.17 | 77.64 | 11.204 | | |
| 6,900.00 | 5,539.70 | 6,000.00 | 5,504.87 | 64.77 | 34.31 | -96.54 | -1,537.62 | 2,814.19 | 957.64 | 881.01 | 76.63 | 12.497 | | |
| 7,000.00 | 5,544.22 | 5,960.04 | 5,486.38 | 65.00 | 34.32 | -82.56 | -1,545.84 | 2,779.74 | 1,045.02 | 969.16 | 75.87 | 13.775 | | |
| 7,100.00 | 5,544.90 | 5,915.65 | 5,464.20 | 65.31 | 34.34 | -80.70 | -1,554.75 | 2,742.34 | 1,132.25 | 1,056.98 | 75.27 | 15.043 | | |
| 7,200.00 | 5,545.58 | 5,883.57 | 5,448.06 | 65.68 | 34.35 | -79.49 | -1,561.23 | 2,715.39 | 1,219.90 | 1,145.35 | 74.55 | 16.363 | | |
| 7,300.00 | 5,546.26 | 5,863.47 | 5,437.40 | 66.13 | 34.35 | -78.73 | -1,565.49 | 2,698.88 | 1,308.55 | 1,234.81 | 73.74 | 17.745 | | |
| 7 400 00 | E E40.04 | E 050.00 | E 400.00 | 00.01 | 24.05 | 70.04 | 4 500 45 | 0.600.05 | 4 200 47 | 1 205 05 | 70.00 | 10.170 | | |
| 7,400.00 | 5,546.94 | 5,850.00 | 5,429.96 | 66.64 | 34.35 | -78.21 77.20 | -1,568.45 | 2,688.05 | 1,398.17 | 1,325.25 | 72.93 | 19.172 | | |
| 7,500.00 | 5,547.62 | 5,828.68 | 5,417.69 | 67.23 | 34.35 | -77.39 | -1,573.31 | 2,671.31 | 1,488.62 | 1,416.30 | 72.32 | 20.583 | | |
| 7,600.00 | 5,548.30 | 5,800.00 | 5,400.29 | 67.88 | 34.34 | -76.26 | -1,580.17 | 2,649.58 | 1,580.00 | 1,508.14 | 71.86 | 21.987 | | |
| 7,700.00 | 5,548.98 | 5,800.00 | 5,400.29 | 68.60 | 34.34 | -76.26 76.26 | -1,580.17 | 2,649.58 | 1,671.78 | 1,600.65 | 71.13 | 23.503 | | |
| 7,800.00 | 5,549.66 | 5,800.00 | 5,400.29 | 69.40 | 34.34 | -76.26 | -1,580.17 | 2,649.58 | 1,764.46 | 1,693.98 | 70.47 | 25.037 | | |
| 7,900.00 | 5,550.34 | 5,775.52 | 5,384.63 | 70.25 | 34.33 | -75.30 | -1,586.31 | 2,631.79 | 1,857.43 | 1,787.29 | 70.14 | 26.482 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:
Output errors are at

Database: Offset TVD Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft

RKB=6832+25 @ 6857.00ft Grid

Minimum Curvature 2.00 sigma

DB_Decv0422v16 Offset Datum

| Offset De | sign: R | Ridge Unit (1 | 24, 127, 1 | 28 & 129) - | Ridge Ur | nit No. 129H | - Original Hole | - rev1 | | | | | Offset Site Error: | 0.00 ft |
|----------------------|----------------------|----------------------------|----------------------|---------------------|----------------------|-----------------|----------------------|----------------------|----------------------|----------------------|------------------|------------------|--------------------|---------|
| Survey Progr | | 0-MWD | | | | | | | | Rule Assi | gned: | | Offset Well Error: | 0.00 ft |
| Refe Measured | rence Vertical | Off Measured | fset Vertical | Semi I Reference | Major Axis Offset | Highside | Offset Wellbo | re Centre | Dis Between | tance Between | Minimum | Separation | Warning | |
| Depth | Depth | Depth | Depth | (54) | (54) | Toolface | +N/-S | +E/-W | Centres | Ellipses | Separation | Factor | | |
| (ft) | (ft) 4,377.76 | (ft) 5 7,438.91 | (ft) 5,656.09 | (ft) 57.27 | (ft) 69.90 | (°) -102.77 | (ft) 34.96 | (ft) | (ft) 1,933.32 | (ft) 1,839.70 | (ft) 93.62 | 20.650 | | |
| 5,300.00 5,400.00 | 4,454.20 | | 5,655.74 | 58.64 | 68.86 | -102.77 | -6.92 | 3,556.15 3,598.03 | 1,867.49 | 1,772.43 | 95.06 | 19.646 | | |
| 5,500.00 | 4,530.65 | | 5,655.39 | 60.02 | 67.84 | -99.78 | -48.80 | 3,639.91 | 1,802.84 | 1,772.43 | 96.56 | 18.671 | | |
| 5,600.00 | 4,607.09 | | 5,655.03 | 61.39 | 66.82 | -98.19 | -90.68 | 3,681.79 | 1,739.53 | 1,641.41 | 98.12 | 17.728 | | |
| 5,700.00 | 4,684.96 | | 5,654.69 | 62.72 | 65.86 | -89.23 | -131.04 | 3,722.15 | 1,676.58 | 1,576.81 | 99.77 | 16.804 | | |
| 5,800.00 | 4,770.38 | 7,160.62 | 5,654.43 | 63.77 | 65.13 | -69.70 | -161.82 | 3,752.93 | 1,609.60 | 1,507.99 | 101.61 | 15.841 | | |
| 5 000 00 | 4 004 0 | 7 400 05 | 5.054.07 | 04.50 | 04.00 | 40.00 | 101.10 | 0.770.04 | 4 5 40 50 | 4 400 00 | 400.00 | 44.074 | | |
| 5,900.00 6,000.00 | 4,861.80 4,956.44 | | 5,654.27 5,654.21 | 64.50 64.92 | 64.68 64.51 | -42.02 -4.53 | -181.10 -188.29 | 3,772.21 3,779.40 | 1,540.58 1,472.40 | 1,436.98 1,366.71 | 103.60 105.69 | 14.871 13.931 | | |
| 6,100.00 | 5,051.42 | | 5,654.25 | 65.09 | 64.63 | 33.06 | -183.17 | 3,774.28 | 1,407.77 | 1,299.92 | 107.85 | 13.053 | | |
| 6,200.00 | 5,143.87 | | 5,654.40 | 65.08 | 65.03 | 58.72 | -165.90 | 3,757.01 | 1,349.04 | 1,239.00 | 110.04 | 12.260 | | |
| 6,300.00 | 5,230.97 | | 5,654.64 | 64.97 | 65.71 | 73.85 | -137.00 | 3,728.11 | 1,297.94 | 1,185.73 | 112.21 | 11.567 | | |
| | | | | | | | | | | | | | | |
| 6,400.00 | 5,310.08 | | 5,654.98 | 64.81 | 66.66 | 82.63 | -97.34 | 3,688.46 | 1,255.53 | 1,141.18 | 114.34 | 10.980 | | |
| 6,500.00 | 5,378.79 | | 5,655.39 | 64.67 | 67.85 | 87.67 | -48.15 | 3,639.26 | 1,222.09 | 1,105.65 | 116.44 | 10.495 | | |
| 6,600.00 | 5,435.02 | | 5,655.87 | 64.59 | 69.26 | 90.24 | 9.09 | 3,582.02 | 1,197.28 | 1,078.73 | 118.55 | 10.099 | | |
| 6,700.00 | 5,483.6 | | 5,656.39 | 64.56 | 70.78 | 89.81 | 70.13 | 3,520.99 | 1,177.81 | 1,057.16 | 120.65 | 9.762 | | |
| 6,800.00 | 5,519.58 | 3 7,581.35 | 5,656.94 | 64.62 | 72.44 | 90.72 | 135.68 | 3,455.44 | 1,164.66 | 1,041.82 | 122.83 | 9.482 | | |
| 6,900.00 | 5,539.70 | 7,679.09 | 5,657.52 | 64.77 | 74.22 | 91.07 | 204.80 | 3,386.32 | 1,157.86 | 1,032.70 | 125.17 | 9.251 | | |
| 7,000.00 | 5,544.22 | 2 7,778.93 | 5,658.11 | 65.00 | 76.06 | 91.13 | 275.39 | 3,315.73 | 1,156.56 | 1,028.94 | 127.62 | 9.062 | | |
| 7,100.00 | 5,544.90 | 7,878.93 | 5,658.71 | 65.31 | 77.93 | 91.13 | 346.10 | 3,245.02 | 1,156.56 | 1,026.38 | 130.18 | 8.885 | | |
| 7,200.00 | 5,545.58 | 7,978.93 | 5,659.30 | 65.68 | 79.83 | 91.13 | 416.81 | 3,174.31 | 1,156.56 | 1,023.73 | 132.83 | 8.707 | | |
| 7,300.00 | 5,546.26 | 8,078.93 | 5,659.90 | 66.13 | 81.74 | 91.12 | 487.52 | 3,103.60 | 1,156.56 | 1,020.99 | 135.57 | 8.531 | | |
| 7 400 00 | 5.540.0 | | 5 000 40 | 00.04 | 00.00 | 04.40 | 550.00 | 0.000.00 | 4 450 55 | 4 0 4 0 4 0 | 400.40 | 0.057 | | |
| 7,400.00 | 5,546.94 5,547.62 | | 5,660.49 5,661.09 | 66.64 67.23 | 83.68 85.63 | 91.12 91.11 | 558.23 628.94 | 3,032.89 2,962.19 | 1,156.55 1,156.55 | 1,018.16 1,015.24 | 138.40 141.31 | 8.357 8.185 | | |
| 7,500.00 7,600.00 | 5,548.30 | | 5,661.68 | 67.88 | 87.60 | 91.11 | 699.65 | 2,891.48 | 1,156.55 | 1,013.24 | 144.31 | 8.015 | | |
| 7,700.00 | 5,548.98 | | 5,662.28 | 68.60 | 89.59 | 91.10 | 770.36 | 2,820.77 | 1,156.55 | 1,009.17 | 147.38 | 7.847 | | |
| 7,800.00 | 5,549.66 | | 5,662.87 | 69.40 | 91.59 | 91.10 | 841.07 | 2,750.06 | 1,156.55 | 1,006.02 | 150.53 | 7.683 | | |
| ., | -, | -, | -, | | | | | _,, -,,,, | ., | ., | | | | |
| 7,900.00 | 5,550.34 | 4 8,678.93 | 5,663.47 | 70.25 | 93.60 | 91.10 | 911.78 | 2,679.35 | 1,156.55 | 1,002.80 | 153.75 | 7.522 | | |
| 8,000.00 | 5,551.02 | 2 8,778.93 | 5,664.07 | 71.18 | 95.63 | 91.09 | 982.49 | 2,608.64 | 1,156.54 | 999.51 | 157.04 | 7.365 | | |
| 8,100.00 | 5,551.70 | | 5,664.66 | 72.16 | 97.67 | 91.09 | 1,053.20 | 2,537.93 | 1,156.54 | 996.16 | 160.39 | 7.211 | | |
| 8,200.00 | 5,552.38 | | 5,665.26 | 73.21 | 99.73 | 91.08 | 1,123.91 | 2,467.23 | 1,156.54 | 992.74 | 163.80 | 7.061 | | |
| 8,300.00 | 5,553.06 | 9,078.93 | 5,665.85 | 74.32 | 101.79 | 91.08 | 1,194.62 | 2,396.52 | 1,156.54 | 989.27 | 167.27 | 6.914 | | |
| 8,400.00 | 5,553.74 | 4 9,178.93 | 5,666.45 | 75.48 | 103.86 | 91.08 | 1,265.33 | 2,325.81 | 1,156.54 | 985.75 | 170.79 | 6.772 | | |
| 8,500.00 | 5,554.42 | | 5,667.04 | 76.70 | 105.95 | 91.07 | 1,336.04 | 2,255.10 | 1,156.54 | 982.17 | 174.37 | 6.633 | | |
| 8,600.00 | 5,555.10 | | 5,667.64 | 77.97 | 108.04 | 91.07 | 1,406.75 | 2,184.39 | 1,156.54 | 978.54 | 177.99 | 6.498 | | |
| 8,700.00 | 5,555.78 | | 5,668.23 | 79.30 | 110.14 | 91.06 | 1,477.46 | 2,113.68 | 1,156.53 | 974.87 | 181.66 | 6.366 | | |
| 8,800.00 | 5,556.46 | 9,578.93 | 5,668.83 | 80.67 | 112.25 | 91.06 | 1,548.17 | 2,042.97 | 1,156.53 | 971.16 | 185.38 | 6.239 | | |
| 0.000.00 | · | 4 0.70.00 | F 000 46 | 00.5- | 44 4 00 | 04.05 | 4 040 00 | 4.070.00 | 4.450.50 | 007.45 | 400.40 | 0 115 | | |
| 8,900.00 | 5,557.14 | | 5,669.42 | 82.08 83.54 | 114.36 | 91.05 | 1,618.88 | 1,972.26 | 1,156.53 | 967.40 | 189.13 | 6.115 | | |
| 9,000.00 9,100.00 | 5,557.82 5,558.50 | | 5,670.02 5,670.61 | 83.54 85.04 | 116.49 118.62 | 91.05 91.05 | 1,689.59 1,760.30 | 1,901.56 1,830.85 | 1,156.53 1,156.53 | 963.61 959.78 | 192.92 196.75 | 5.995 5.878 | | |
| 9,200.00 | 5,559.18 | | 5,671.21 | 86.58 | 120.75 | 91.05 | 1,831.01 | 1,760.14 | 1,156.53 | 955.92 | 200.61 | 5.765 | | |
| 9,300.00 | 5,559.86 | | 5,671.80 | 88.15 | 122.89 | 91.04 | 1,901.72 | 1,689.43 | 1,156.53 | 952.02 | 204.51 | 5.655 | | |
| 5,500.00 | 5,500.00 | | 0,071.00 | 00.10 | 2.00 | 51.04 | .,501.72 | .,000.40 | ., | 332.02 | 254.01 | 0.500 | | |
| 9,400.00 | 5,560.54 | 10,178.93 | 5,672.40 | 89.76 | 125.04 | 91.03 | 1,972.43 | 1,618.72 | 1,156.52 | 948.09 | 208.43 | 5.549 | | |
| 9,500.00 | 5,561.22 | | 5,672.99 | 91.40 | 127.19 | 91.03 | 2,043.14 | 1,548.01 | 1,156.52 | 944.14 | 212.39 | 5.445 | | |
| 9,600.00 | 5,561.90 | | 5,673.59 | 93.07 | 129.35 | 91.03 | 2,113.85 | 1,477.30 | 1,156.52 | 940.15 | 216.37 | 5.345 | | |
| 9,700.00 | 5,562.58 | | 5,674.18 | 94.77 | 131.51 | 91.02 | 2,184.56 | 1,406.59 | 1,156.52 | 936.14 | 220.38 | 5.248 | | |
| 9,800.00 | 5,563.25 | 5 10,578.93 | 5,674.78 | 96.50 | 133.68 | 91.02 | 2,255.27 | 1,335.89 | 1,156.52 | 932.11 | 224.41 | 5.154 | | |
| 9,900.00 | 5,563.93 | 3 10,678.93 | 5,675.37 | 98.25 | 135.85 | 91.01 | 2,325.98 | 1,265.18 | 1,156.52 | 928.06 | 228.46 | 5.062 | | |
| 10,000.00 | 5,564.6 | | 5,675.97 | 100.03 | 138.03 | 91.01 | 2,325.96 | 1,194.47 | 1,156.52 | 923.98 | 232.54 | 4.973 | | |
| 10,100.00 | 5,565.29 | | 5,676.56 | 101.83 | 140.21 | 91.00 | 2,467.40 | 1,123.76 | 1,156.52 | 919.88 | 236.63 | 4.887 | | |
| 10,200.00 | 5,565.97 | | 5,677.16 | 103.65 | 142.39 | 91.00 | 2,538.11 | 1,053.05 | 1,156.51 | 915.76 | 240.75 | 4.804 | | |
| 10,300.00 | 5,566.65 | | 5,677.75 | 105.49 | 144.58 | 91.00 | 2,608.82 | 982.34 | 1,156.51 | 911.63 | 244.88 | 4.723 | | |
| | | | | | | | | | | | | | | |
| 10,400.00 | 5,567.33 | 3 11,178.93 | 5,678.35 | 107.35 | 146.77 | 90.99 | 2,679.53 | 911.63 | 1,156.51 | 907.47 | 249.04 | 4.644 | | |
| | | | CC Min | | | | | | | | | | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Ridge Unit (130, 135, 136 & 137) Reference Site:

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Grid

Survey Calculation Method: Output errors are at Database:

Offset TVD Reference:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Minimum Curvature 2.00 sigma

DB_Decv0422v16 Offset Datum

| Offset Des | sign: R | idge Unit (12 | 24, 127, 12 | 28 & 129) - | Ridge Ur | nit No. 129H | - Original Hole | - rev1 | | | | | Offset Site Error: | 0.00 ft |
|------------------------|----------------------|-----------------|----------------------|---------------------|----------------------|----------------|----------------------|------------------------|----------------------|------------------|------------------|----------------|--------------------|---------|
| Survey Progr | | 0-MWD | | | | | | | | Rule Assi | gned: | | Offset Well Error: | 0.00 ft |
| Refer Measured | rence Vertical | Off Measured | set Vertical | Semi I Reference | Major Axis Offset | Highside | Offset Wellbo | ore Centre | Dist Between | tance Between | Minimum | Separation | Warning | |
| Depth | Depth | Depth | Depth | (64) | (5) | Toolface | +N/-S (ft) | +E/-W | Centres | Ellipses | Separation | Factor | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | | (ft) | (ft) | (ft) | (ft) | 4 507 | | |
| 10,500.00 10,600.00 | 5,568.01 5,568.69 | | 5,678.94 5,679.54 | 109.23 111.13 | 148.96 151.16 | 90.99 90.98 | 2,750.24 2,820.95 | 840.93 770.22 | 1,156.51 1,156.51 | 903.31 899.12 | 253.20 257.39 | 4.567 4.493 | | |
| 10,700.00 | 5,569.37 | | 5,680.13 | 113.04 | 153.36 | 90.98 | 2,891.67 | 699.51 | 1,156.51 | 894.92 | 261.59 | 4.421 | | |
| 10,800.00 | 5,570.05 | | 5,680.73 | 114.97 | 155.56 | 90.97 | 2,962.38 | 628.80 | 1,156.51 | 890.71 | 265.80 | 4.351 | | |
| 10,900.00 | 5,570.73 | | 5,681.32 | 116.91 | 157.77 | 90.97 | 3,033.09 | 558.09 | 1,156.50 | 886.48 | 270.02 | 4.283 | | |
| 11,000.00 | 5,571.41 | 11,778.93 | 5,681.92 | 118.86 | 159.98 | 90.97 | 3,103.80 | 487.38 | 1,156.50 | 882.24 | 274.26 | 4.217 | | |
| 44 400 00 | F F70 00 | 44.070.00 | 5 000 50 | 400.00 | 400.40 | 00.00 | 0.474.54 | 440.07 | 4.450.50 | 077.00 | 070.54 | 4.450 | | |
| 11,100.00 11,200.00 | 5,572.09 5,572.77 | | 5,682.52 5,683.11 | 120.83 122.81 | 162.19 164.40 | 90.96 90.96 | 3,174.51 3,245.22 | 416.67 345.96 | 1,156.50 1,156.50 | 877.99 873.72 | 278.51 282.78 | 4.152 4.090 | | |
| 11,300.00 | 5,573.45 | | 5,683.71 | 124.80 | 166.62 | 90.95 | 3,315.93 | 275.26 | 1,156.50 | 869.45 | 287.05 | 4.090 | | |
| 11,400.00 | 5,574.13 | | 5,684.30 | 126.80 | 168.83 | 90.95 | 3,386.64 | 204.55 | 1,156.50 | 865.17 | 291.33 | 3.970 | | |
| 11,500.00 | 5,574.81 | | 5,684.90 | 128.82 | 171.05 | 90.95 | 3,457.35 | 133.84 | 1,156.50 | 860.87 | 295.63 | 3.912 | | |
| | | | | | | | | | | | | | | |
| 11,600.00 | 5,575.49 | | 5,685.49 | 130.84 | 173.27 | 90.94 | 3,528.06 | 63.13 | 1,156.50 | 856.57 | 299.93 | 3.856 | | |
| 11,700.00 | 5,576.17 | | 5,686.09 | 132.87 | 175.50 | 90.94 | 3,598.77 | -7.58 | 1,156.49 | 852.25 | 304.24 | 3.801 | | |
| 11,800.00 | 5,576.85 | | 5,686.68 | 134.91 | 177.72 | 90.93 | 3,669.48 | -78.29 | 1,156.49 | 847.93 | 308.56 | 3.748 | | |
| 11,900.00 12,000.00 | 5,577.53 5,578.21 | | 5,687.28 5,687.87 | 136.96 139.02 | 179.95 182.18 | 90.93 90.92 | 3,740.19 3,810.90 | -149.00 -219.70 | 1,156.49 1,156.49 | 843.60 839.26 | 312.89 317.23 | 3.696 3.646 | | |
| 12,000.00 | 5,576.21 | 12,110.93 | 5,007.07 | 138.02 | 102.10 | JU.JZ | 5,010.50 | -213.10 | 1,130.48 | 039.20 | 311.23 | J.U4U | | |
| 12,100.00 | 5,578.89 | 12,878.93 | 5,688.47 | 141.08 | 184.41 | 90.92 | 3,881.61 | -290.41 | 1,156.49 | 834.92 | 321.57 | 3.596 | | |
| 12,200.00 | 5,579.57 | 12,978.93 | 5,689.06 | 143.16 | 186.64 | 90.92 | 3,952.32 | -361.12 | 1,156.49 | 830.56 | 325.92 | 3.548 | | |
| 12,300.00 | 5,580.25 | 13,078.93 | 5,689.66 | 145.24 | 188.88 | 90.91 | 4,023.03 | -431.83 | 1,156.49 | 826.21 | 330.28 | 3.502 | | |
| 12,400.00 | 5,580.93 | | 5,690.25 | 147.32 | 191.11 | 90.91 | 4,093.74 | -502.54 | 1,156.49 | 821.84 | 334.65 | 3.456 | | |
| 12,500.00 | 5,581.61 | 13,278.93 | 5,690.85 | 149.41 | 193.35 | 90.90 | 4,164.45 | -573.25 | 1,156.48 | 817.47 | 339.02 | 3.411 | | |
| 12,600.00 | 5,582.29 | 13,378.93 | 5,691.44 | 151.51 | 195.58 | 90.90 | 4,235.16 | -643.96 | 1,156.48 | 813.09 | 343.40 | 3.368 | | |
| 12,700.00 | 5,582.97 | | 5,692.04 | 153.62 | 197.82 | 90.90 | 4,305.87 | -714.67 | 1,156.48 | 808.70 | 347.78 | 3.325 | | |
| 12,800.00 | 5,583.65 | 13,578.93 | 5,692.63 | 155.73 | 200.06 | 90.89 | 4,376.58 | -785.37 | 1,156.48 | 804.31 | 352.17 | 3.284 | | |
| 12,900.00 | 5,584.33 | 13,678.93 | 5,693.23 | 157.84 | 202.31 | 90.89 | 4,447.29 | -856.08 | 1,156.48 | 799.92 | 356.56 | 3.243 | | |
| 13,000.00 | 5,585.01 | 13,778.93 | 5,693.82 | 159.96 | 204.55 | 90.88 | 4,518.00 | -926.79 | 1,156.48 | 795.52 | 360.96 | 3.204 | | |
| 13,100.00 | 5,585.69 | 13,878.93 | 5,694.42 | 162.09 | 206.79 | 90.88 | 4,588.71 | -997.50 | 1,156.48 | 791.11 | 365.37 | 3.165 | | |
| 13,200.00 | 5,586.37 | | 5,695.01 | 164.22 | 209.04 | 90.87 | 4,659.42 | -1,068.21 | 1,156.48 | 786.70 | 369.78 | 3.128 | | |
| 13,300.00 | 5,587.05 | | 5,695.61 | 166.36 | 211.29 | 90.87 | 4,730.13 | -1,138.92 | 1,156.48 | 782.29 | 374.19 | 3.091 | | |
| 13,400.00 | 5,587.73 | | 5,696.20 | 168.49 | 213.53 | 90.87 | 4,800.84 | -1,209.63 | 1,156.47 | 777.87 | 378.61 | 3.055 | | |
| 13,500.00 | 5,588.41 | 14,278.93 | 5,696.80 | 170.64 | 215.78 | 90.86 | 4,871.55 | -1,280.34 | 1,156.47 | 773.44 | 383.03 | 3.019 | | |
| | | | | | | | | | | | | | | |
| 13,600.00 | 5,589.09 | | 5,697.39 | 172.79 | 218.03 | 90.86 | 4,942.26 | -1,351.04 | 1,156.47 | 769.02 | 387.46 | 2.985 | | |
| 13,700.00 13,800.00 | 5,589.77 5,590.45 | | 5,697.99 5,698.58 | 174.94 177.09 | 220.28 222.53 | 90.85 90.85 | 5,012.97 5,083.68 | -1,421.75 -1,492.46 | 1,156.47 1,156.47 | 764.58 760.15 | 391.89 396.32 | 2.951 2.918 | | |
| 13,900.00 | 5,590.43 | | 5,699.18 | 177.09 | 224.78 | 90.84 | 5,154.39 | -1,492.46 | 1,156.47 | 755.71 | 400.76 | 2.886 | | |
| 14,000.00 | 5,591.81 | | 5,699.77 | 181.41 | 227.04 | 90.84 | 5,225.10 | -1,633.88 | 1,156.47 | 751.27 | 405.20 | 2.854 | | |
| | | | | | | | | | ' | | | | | |
| 14,100.00 | 5,592.49 | | 5,700.37 | 183.58 | 229.29 | 90.84 | 5,295.81 | -1,704.59 | 1,156.47 | 746.82 | 409.64 | 2.823 | | |
| 14,200.00 | 5,593.17 | | 5,700.96 | 185.75 | 231.55 | 90.83 | 5,366.52 | -1,775.30 | 1,156.47 | 742.37 | 414.09 | 2.793 | | |
| 14,300.00 | 5,593.85 | | 5,701.56 | 187.92 | 233.80 | 90.83 | 5,437.23 | -1,846.00 | 1,156.46 | 737.92 | 418.54 | 2.763 | | |
| 14,400.00 | 5,594.53 | | 5,702.16 | 190.09 | 236.06 | 90.82 | 5,507.94 | -1,916.71 | 1,156.46 | 733.47 | 423.00 | 2.734 | | |
| 14,500.00 | 5,595.21 | 15,278.93 | 5,702.75 | 192.27 | 238.32 | 90.82 | 5,578.65 | -1,987.42 | 1,156.46 | 729.01 | 427.45 | 2.705 | | |
| 14,600.00 | 5,595.89 | 15,378.93 | 5,703.35 | 194.45 | 240.57 | 90.82 | 5,649.36 | -2,058.13 | 1,156.46 | 724.55 | 431.91 | 2.678 | | |
| 14,700.00 | 5,596.57 | 15,478.93 | 5,703.94 | 196.63 | 242.83 | 90.81 | 5,720.07 | -2,128.84 | 1,156.46 | 720.08 | 436.38 | 2.650 | | |
| 14,800.00 | 5,597.25 | 15,578.93 | 5,704.54 | 198.82 | 245.09 | 90.81 | 5,790.78 | -2,199.55 | 1,156.46 | 715.62 | 440.84 | 2.623 | | |
| 14,900.00 | 5,597.93 | | 5,705.13 | 201.01 | 247.35 | 90.80 | 5,861.49 | -2,270.26 | 1,156.46 | 711.15 | 445.31 | 2.597 | | |
| 15,000.00 | 5,598.61 | 15,778.93 | 5,705.73 | 203.20 | 249.61 | 90.80 | 5,932.20 | -2,340.97 | 1,156.46 | 706.68 | 449.78 | 2.571 | | |
| 15,100.00 | 5,599.29 | 15,878.93 | 5,706.32 | 205.39 | 251.87 | 90.79 | 6,002.91 | -2,411.67 | 1,156.46 | 702.20 | 454.25 | 2.546 | | |
| 15,200.00 | 5,599.28 | | 5,706.92 | 207.59 | 254.13 | 90.79 | 6,073.62 | -2,411.07 | 1,156.45 | 697.73 | 454.25 | 2.521 | | |
| 15,300.00 | 5,600.65 | | 5,707.51 | 209.78 | 256.40 | 90.79 | 6,144.33 | -2,553.09 | 1,156.45 | 693.25 | 463.21 | 2.497 | | |
| 15,400.00 | 5,601.33 | | 5,708.11 | 211.98 | 258.66 | 90.78 | 6,215.04 | -2,623.80 | 1,156.45 | 688.77 | 467.69 | 2.473 | | |
| 15,500.00 | 5,602.01 | | 5,708.70 | 214.19 | 260.92 | 90.78 | 6,285.75 | -2,694.51 | 1,156.45 | 684.28 | 472.17 | 2.449 | | |
| 45.000.00 | F 000 00 | 40.070.07 | F 700 05 | 010.0- | 000.15 | 00.77 | 0.050.40 | 0.705.00 | 4 450 45 | 070.05 | 470.05 | 0.400 | | |
| 15,600.00 | 5,602.69 | 16,378.93 | 5,709.30 | 216.39 | 263.19 | 90.77 | 6,356.46 | -2,765.22 | 1,156.45 | 679.80 | 476.65 | 2.426 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma

Database: DB_Decv0422v16
Offset TVD Reference: Offset Datum

| Offset De | sign: Ric | ige Unit (12 | 24, 127, 12 | 28 & 129) - | Ridge Un | it No. 129H | - Original Hole | - rev1 | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|
| Survey Progr Refe | ram: 0-1 | MWD Off : | set | Semi N | lajor Axis | | Offset Wellb | ore Centre | Dist | Rule Assi | gned: | | Offset Well Error: | 0.00 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 15,700.00 | 5,603.37 | 16,478.93 | 5,709.89 | 218.59 | 265.45 | 90.77 | 6,427.17 | -2,835.93 | 1,156.45 | 675.31 | 481.14 | 2.404 | | |
| 15,800.00 | 5,604.05 | 16,578.93 | 5,710.49 | 220.80 | 267.72 | 90.76 | 6,497.88 | -2,906.63 | 1,156.45 | 670.82 | 485.62 | 2.381 | | |
| 15,900.00 | 5,604.73 | 16,678.93 | 5,711.08 | 223.01 | 269.98 | 90.76 | 6,568.59 | -2,977.34 | 1,156.45 | 666.33 | 490.11 | 2.360 | | |
| 16,000.00 | 5,605.41 | 16,778.93 | 5,711.68 | 225.22 | 272.25 | 90.76 | 6,639.30 | -3,048.05 | 1,156.45 | 661.84 | 494.61 | 2.338 | | |
| 16,100.00 | 5,606.09 | 16,878.93 | 5,712.27 | 227.43 | 274.51 | 90.75 | 6,710.01 | -3,118.76 | 1,156.45 | 657.35 | 499.10 | 2.317 | | |
| 16,200.00 | 5,606.77 | 16,978.93 | 5,712.87 | 229.65 | 276.78 | 90.75 | 6,780.72 | -3,189.47 | 1,156.44 | 652.85 | 503.59 | 2.296 | | |
| 16,222.14 | 5,606.92 | 17,001.07 | 5,713.00 | 230.14 | 277.28 | 90.75 | 6,796.38 | -3,205.13 | 1,156.44 | 651.86 | 504.59 | 2.292 CC, | ES, SF | |
| 16,300.00 | 5,607.45 | 17,001.12 | 5,713.00 | 231.86 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,159.06 | 658.66 | 500.39 | 2.316 | | |
| 16,400.00 | 5,608.13 | 17,001.12 | 5,713.00 | 234.08 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,170.03 | 680.30 | 489.73 | 2.389 | | |
| 16,500.00 | 5,608.81 | 17,001.12 | 5,713.00 | 236.30 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,189.34 | 715.17 | 474.18 | 2.508 | | |
| 16,600.00 | 5,609.49 | 17,001.12 | 5,713.00 | 238.52 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,216.59 | 761.44 | 455.15 | 2.673 | | |
| 16,700.00 | 5,610.17 | 17,001.12 | 5,713.00 | 240.74 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,251.26 | 817.18 | 434.08 | 2.883 | | |
| 16,800.00 | 5,610.85 | 17,001.12 | 5,713.00 | 242.96 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,292.75 | 880.59 | 412.17 | 3.136 | | |
| 16,900.00 | 5,611.53 | 17,001.12 | 5,713.00 | 245.19 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,340.44 | 950.13 | 390.31 | 3.434 | | |
| 17,000.00 | 5,612.21 | 17,001.12 | 5,713.00 | 247.41 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,393.68 | 1,024.55 | 369.13 | 3.776 | | |
| 17,100.00 | 5,612.89 | 17,001.12 | 5,713.00 | 249.64 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,451.86 | 1,102.86 | 348.99 | 4.160 | | |
| 17,200.00 | 5,613.57 | 17,001.12 | 5,713.00 | 251.87 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,514.41 | 1,184.30 | 330.12 | 4.587 | | |
| 17,300.00 | 5,614.25 | 17,001.12 | 5,713.00 | 254.10 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,580.83 | 1,268.24 | 312.58 | 5.057 | | |
| 17,400.00 | 5,614.93 | 17,001.12 | 5,713.00 | 256.33 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,650.63 | 1,354.24 | 296.39 | 5.569 | | |
| 17,410.95 | 5,615.00 | 17,001.12 | 5,713.00 | 256.57 | 277.29 | 90.75 | 6,796.41 | -3,205.16 | 1,658.46 | 1,363.76 | 294.70 | 5.628 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Ridge Unit (130, 135, 136 & 137) Reference Site:

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: Grid

Survey Calculation Method: Output errors are at

Database: Offset TVD Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft

RKB=6832+25 @ 6857.00ft

Minimum Curvature 2.00 sigma DB_Decv0422v16 Offset Datum

| vey Progr | | MWD | | | | | | | | Rule Assi | gned: | | Offset Well Error: | 0.00 |
|---------------------------|----------------------|---------------------------|----------------------|----------------|---------------------|----------------------|--------------------|----------------------|----------------------------|-----------------------------|-----------------------|----------------------|--------------------|------|
| Refer easured Depth | Vertical Depth | Offs Measured Depth | Vertical Depth | Reference | ajor Axis Offset | Highside Toolface | +N/-S | +E/-W | Dist Between Centres | ance Between Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -110.25 | -6.95 | -18.85 | 20.09 | 40.00 | 0.07 | 74 700 | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.13 | 0.13 | -110.25 | -6.95 | -18.85 | 20.09 | 19.82 | 0.27 | 74.723 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.49 | 0.49 | -110.25 | -6.95 | -18.85 | 20.09 | 19.10 | 0.99 | 20.379 | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.85 | 0.85 | -110.25 | -6.95 | -18.85 | 20.09 | 18.39 | 1.70 | 11.798 | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 1.21 | 1.21 | -110.25 | -6.95 | -18.85 | 20.09 | 17.67 | 2.42 | 8.303 6.405 CC, E | 6 | |
| 500.00 | 500.00 | 500.00 | 500.00 | 1.57 | 1.57 | -110.25 | -6.95 | -18.85 | 20.09 | 16.95 | 3.14 | 6.405 CC, E | 5 | |
| 600.00 | 599.95 | 599.95 | 599.95 | 1.92 | 1.93 | 141.56 | -6.95 | -18.85 | 22.08 | 18.23 | 3.84 | 5.745 | | |
| 700.00 | 699.63 | 699.63 | 699.63 | 2.27 | 2.28 | 151.27 | -6.95 | -18.85 | 28.64 | 24.09 | 4.55 | 6.297 | | |
| 800.00 | 798.77 | 798.77 | 798.77 | 2.63 | 2.64 | 160.03 | -6.95 | -18.85 | 40.58 | 35.32 | 5.26 | 7.713 | | |
| 900.00 | 897.08 | 897.08 | 897.08 | 3.03 | 2.99 | 166.05 | -6.95 | -18.85 | 58.06 | 52.08 | 5.98 | 9.711 | | |
| ,000.00 | 994.31 | 994.31 | 994.31 | 3.48 | 3.34 | 169.91 | -6.95 | -18.85 | 80.93 | 74.23 | 6.70 | 12.085 | | |
| 1,100.00 | 1,090.18 | 1,095.12 | 1,095.08 | 3.98 | 3.69 | 172.02 | -8.41 | -16.98 | 106.95 | 99.54 | 7.41 | 14.434 | | |
| ,200.00 | 1,184.43 | 1,197.52 | 1,197.17 | 4.55 | 4.04 | 172.67 | -13.25 | -10.82 | 133.32 | 125.20 | 8.12 | 16.423 | | |
| 1,300.00 | 1,276.81 | 1,301.30 | 1,300.05 | 5.20 | 4.40 | 172.56 | -21.58 | -0.18 | 159.88 | 151.05 | 8.84 | 18.092 | | |
| ,400.00 | 1,367.06 | 1,406.48 | 1,403.42 | 5.94 | 4.79 | 171.98 | -33.53 | 15.07 | 186.58 | 177.00 | 9.58 | 19.486 | | |
| ,500.00 | 1,454.93 | 1,513.08 | 1,506.93 | 6.77 | 5.23 | 171.11 | -49.20 | 35.08 | 213.36 | 203.02 | 10.34 | 20.638 | | |
| ,600.00 | 1,540.18 | 1,621.09 | 1,610.20 | 7.71 | 5.73 | 170.02 | -68.69 | 59.95 | 240.19 | 229.06 | 11.13 | 21.574 | | |
| ,700.00 | 1,622.59 | 1,730.55 | 1,712.86 | 8.75 | 6.30 | 168.77 | -92.07 | 89.81 | 267.05 | 255.07 | 11.98 | 22.288 | | |
| ,800.00 | 1,701.91 | 1,841.43 | 1,814.48 | 9.90 | 6.96 | 167.40 | -119.42 | 124.72 | 293.91 | 281.01 | 12.90 | 22.792 | | |
| ,900.00 | 1,778.60 | 1,943.11 | 1,905.71 | 11.15 | 7.65 | 166.21 | -147.10 | 160.05 | 320.85 | 306.93 | 13.91 | 23.058 | | |
| 00.000 | 1,855.05 | 2,039.24 | 1,991.80 | 12.42 | 8.34 | 165.32 | -173.49 | 193.73 | 347.92 | 332.93 | 14.99 | 23.210 | | |
| ,100.00 | 1,931.49 | 2,135.38 | 2,077.88 | 13.72 | 9.06 | 164.55 | -199.87 | 227.41 | 375.06 | 358.96 | 16.10 | 23.290 | | |
| ,200.00 | 2,007.94 | 2,231.51 | 2,163.97 | 15.03 | 9.80 | 163.88 | -226.26 | 261.09 | 402.25 | 385.00 | 17.25 | 23.318 | | |
| ,300.00 | 2,084.38 | 2,327.64 | 2,250.06 | 16.36 | 10.55 | 163.30 | -252.64 | 294.77 | 429.49 | 411.06 | 18.42 | 23.311 | | |
| ,400.00 | 2,160.83 | 2,423.78 | 2,336.15 | 17.69 | 11.32 | 162.79 | -279.02 | 328.44 | 456.76 | 437.14 | 19.62 | 23.279 | | |
| ,500.00 | 2,237.28 | 2,519.91 | 2,422.24 | 19.03 | 12.10 | 162.34 | -305.41 | 362.12 | 484.06 | 463.23 | 20.84 | 23.230 | | |
| ,600.00 | 2,313.72 | 2,616.05 | 2,508.33 | 20.37 | 12.89 | 161.93 | -331.79 | 395.80 | 511.39 | 489.32 | 22.07 | 23.168 | | |
| ,700.00 | 2,390.17 | 2,712.18 | 2,594.42 | 21.72 | 13.69 | 161.57 | -358.17 | 429.48 | 538.74 | 515.42 | 23.32 | 23.101 | | |
| ,800.00 | 2,466.61 | 2,808.31 | 2,680.51 | 23.07 | 14.49 | 161.24 | -384.56 | 463.16 | 566.11 | 541.53 | 24.58 | 23.029 | | |
| ,900.00 | 2,543.06 | 2,904.45 | 2,766.60 | 24.43 | 15.30 | 160.94 | -410.94 | 496.84 | 593.49 | 567.64 | 25.86 | 22.954 | | |
| 000.00 | 2,619.50 | 3,000.58 | 2,852.69 | 25.78 | 16.11 | 160.67 | -437.33 | 530.52 | 620.89 | 593.75 | 27.14 | 22.880 | | |
| ,100.00 | 2,695.95 | 3,096.72 | 2,938.78 | 27.14 | 16.93 | 160.42 | -463.71 | 564.19 | 648.30 | 619.87 | 28.43 | 22.806 | | |
| ,200.00 | 2,772.40 | 3,192.85 | 3,024.87 | 28.50 | 17.75 | 160.19 | -490.09 | 597.87 | 675.72 | 645.99 | 29.72 | 22.732 | | |
| ,300.00 | 2,848.84 | 3,288.98 | 3,110.96 | 29.86 | 18.57 | 159.98 | -516.48 | 631.55 | 703.14 | 672.11 | 31.03 | 22.660 | | |
| 400.00 | 2,925.29 | 3,385.12 | 3,197.04 | 31.23 | 19.40 | 159.79 | -542.86 | 665.23 | 730.58 | 698.24 | 32.34 | 22.591 | | |
| 500.00 | 3,001.73 | 3,481.25 | 3,283.13 | 32.59 | 20.22 | 159.60 | -569.25 | 698.91 | 758.02 | 724.37 | 33.66 | 22.523 | | |
| ,600.00 | 3,078.18 | 3,577.38 | 3,369.22 | 33.96 | 21.05 | 159.44 | -595.63 | 732.59 | 785.47 | 750.50 | 34.98 | 22.458 | | |
| 700.00 | 3,154.62 | 3,673.52 | 3,455.31 | 35.33 | 21.88 | 159.44 | -622.01 | 766.27 | 812.93 | 776.63 | 36.30 | 22.436 | | |
| 800.00 | 3,231.07 | 3,769.65 | 3,541.40 | 36.69 | 22.72 | 159.13 | -648.40 | 799.94 | 840.39 | 802.76 | 37.63 | 22.334 | | |
| 900.00 | 3,307.52 | 3,865.79 | 3,627.49 | 38.06 | 23.55 | 158.99 | -674.78 | 833.62 | 867.86 | 828.90 | 38.96 | 22.276 | | |
| ,000.00 | 3,383.96 | 3,961.92 | 3,713.58 | 39.43 | 24.38 | 158.86 | -701.17 | 867.30 | 895.33 | 855.04 | 40.29 | 22.221 | | |
| 100.00 | 3,460.41 | 4,058.05 | 3,799.67 | 40.80 | 25.22 | 158.74 | -727.55 | 900.98 | 922.80 | 881.17 | 41.63 | 22.167 | | |
| ,200.00 | 3,536.85 | 4,056.05 | 3,885.76 | 42.17 | 26.06 | 158.63 | -727.55 -753.93 | 934.66 | 950.28 | 907.31 | 42.97 | 22.107 | | |
| ,300.00 | 3,613.30 | 4,250.32 | 3,971.85 | 43.54 | 26.89 | 158.52 | -780.32 | 968.34 | 977.76 | 933.45 | 44.31 | 22.065 | | |
| 400.00 | 3,689.74 | 4,346.46 | 4,057.94 | 44.91 | 27.73 | 158.42 | -806.70 | 1,002.02 | 1,005.25 | 959.59 | 45.66 | 22.003 | | |
| ,500.00 | 3,766.19 | 4,442.59 | 4,144.03 | 46.29 | 28.57 | 158.32 | -833.09 | 1,035.69 | 1,032.73 | 985.73 | 47.00 | 21.971 | | |
| ,600.00 | 3,842.64 | 4,538.72 | 4,230.12 | 47.66 | 29.41 | 158.23 | -859.47 | 1,069.37 | 1,060.22 | 1,011.87 | 48.35 | 21.927 | | |
| ,700.00 | 3,919.08 | 4,634.86 | 4,230.12 | 49.03 | 30.25 | 158.23 | -859.47 -885.85 | 1,103.05 | 1,080.22 | 1,011.87 | 48.35 | 21.927 | | |
| | 3,919.08 | 4,730.99 | | 50.40 | 30.25 | 158.14 | -885.85 -912.24 | 1,103.05 | 1,087.72 | 1,038.01 | 51.06 | 21.884 | | |
| ,800.00 | | 4,730.99 | 4,402.29 | | 31.09 | | | | | | | | | |
| ,900.00 | 4,071.97 4,148.42 | 4,827.12 | 4,488.38 4,574.47 | 51.78 53.15 | 31.93 | 157.98 157.91 | -938.62 -965.01 | 1,170.41 1,204.09 | 1,142.71 1,170.21 | 1,090.30 1,116.44 | 52.41 53.76 | 21.804 21.766 | | |
| | | | | | | | | | | | | | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Ridge Unit (130, 135, 136 & 137) Reference Site:

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method: Output errors are at

Database:

Offset TVD Reference:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft

RKB=6832+25 @ 6857.00ft

Grid

Minimum Curvature 2.00 sigma DB_Decv0422v16 Offset Datum

| | | 11A/D | | | | | | | | | | | Offset Site Error: | 0.00 f |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------|--------------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|--------|
| urvey Progra Refer | | MWD Offs | set | Semi M | aior Axis | | Offset Wellb | ore Centre | Dist | Rule Assi ance | gned: | | Offset Well Error: | 0.00 f |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 5,200.00 | 4,301.31 | 5,073.76 | 4,709.51 | 55.90 | 34.08 | 157.82 | -1,005.90 | 1,256.43 | 1,226.37 | 1,170.44 | 55.94 | 21.924 | | |
| 5,300.00 | 4,377.76 | 5,100.00 | 4,733.76 | 57.27 | 34.29 | 157.86 | -1,011.90 | 1,264.48 | 1,259.46 | 1,203.21 | 56.25 | 22.390 | | |
| 5,400.00 | 4,454.20 | 5,150.00 | 4,781.09 | 58.64 | 34.62 | 158.04 | -1,021.07 | 1,277.65 | 1,296.67 | 1,240.01 | 56.66 | 22.885 | | |
| 5,500.00 | 4,530.65 | 5,178.59 | 4,808.72 | 60.02 | 34.77 | 158.21 | -1,024.96 | 1,283.88 | 1,338.03 | 1,281.37 | 56.66 | 23.616 | | |
| 5,600.00 | 4,607.09 | 5,200.00 | 4,829.62 | 61.39 | 34.88 | 158.36 | -1,027.22 | 1,287.91 | 1,383.43 | 1,326.98 | 56.44 | 24.510 | | |
| 5,700.00 | 4,684.96 | 5,250.00 | 4,878.98 | 62.72 | 35.07 | 164.42 | -1,030.32 | 1,295.18 | 1,430.86 | 1,374.39 | 56.47 | 25.339 | | |
| 5,800.00 | 4,770.38 | 5,271.74 | 4,900.60 | 63.77 | 35.13 | 177.50 | -1,030.70 | 1,297.39 | 1,472.32 | 1,416.12 | 56.20 | 26.198 | | |
| 5,900.00 | 4,861.80 | 5,300.00 | 4,928.79 | 64.50 | 35.21 | -162.83 | -1,030.33 | 1,299.40 | 1,506.08 | 1,450.02 | 56.07 | 26.863 | | |
| 6,000.00 | 4,956.44 | 5,350.00 | 4,978.66 | 64.92 | 35.29 | -133.65 | -1,027.26 | 1,300.53 | 1,531.59 | 1,475.37 | 56.23 | 27.240 | | |
| 6,100.00 | 5,051.42 | 5,367.34 | 4,995.90 | 65.09 | 35.30 | -103.22 | -1,025.47 | 1,300.21 | 1,547.81 | 1,491.64 | 56.17 | 27.555 | | |
| 6,200.00 | 5,143.87 | 5,400.00 | 5,028.23 | 65.08 | 35.32 | -83.36 | -1,021.12 | 1,298.58 | 1,555.14 | 1,498.68 | 56.46 | 27.544 | | |
| 6,300.00 | 5,230.97 | 5,431.07 | 5,058.71 | 64.97 | 35.32 | -72.66 | -1,015.78 | 1,295.82 | 1,553.36 | 1,496.37 | 56.99 | 27.256 | | |
| 6,400.00 | 5,310.08 | 5,450.00 | 5,077.11 | 64.81 | 35.33 | -67.10 | -1,011.97 | 1,293.55 | 1,542.77 | 1,484.98 | 57.79 | 26.694 | | |
| 6,500.00 | 5,378.79 | 5,500.00 | 5,124.93 | 64.67 | 35.31 | -65.28 | -999.87 | 1,285.49 | 1,523.39 | 1,464.15 | 59.24 | 25.716 | | |
| 6,600.00 | 5,435.02 | 5,522.00 | 5,145.55 | 64.59 | 35.29 | -65.19 | -993.64 | 1,280.99 | 1,496.07 | 1,435.05 | 61.02 | 24.518 | | |
| 6,700.00 | 5,483.61 | 5,550.00 | 5,171.34 | 64.56 | 35.26 | -66.01 | -984.93 | 1,274.45 | 1,466.70 | 1,403.50 | 63.20 | 23.208 | | |
| 6,800.00 | 5,519.58 | 5,580.15 | 5,198.48 | 64.62 | 35.23 | -68.26 | -974.58 | 1,266.38 | 1,432.36 | 1,366.50 | 65.86 | 21.748 | | |
| 6,900.00 | 5,539.70 | 5,600.00 | 5,215.96 | 64.77 | 35.21 | -71.67 | -967.24 | 1,260.51 | 1,392.33 | 1,323.28 | 69.05 | 20.164 | | |
| 7,000.00 | 5,544.22 | 5,630.81 | 5,242.43 | 65.00 | 35.17 | -75.40 | -955.03 | 1,250.53 | 1,348.20 | 1,275.56 | 72.64 | 18.560 | | |
| 7,100.00 | 5,544.90 | 5,650.00 | 5,258.47 | 65.31 | 35.15 | -76.12 | -946.95 | 1,243.80 | 1,307.19 | 1,230.71 | 76.47 | 17.093 | | |
| 7,200.00 | 5,545.58 | 5,686.57 | 5,288.04 | 65.68 | 35.10 | -77.47 | -930.54 | 1,229.88 | 1,271.39 | 1,191.10 | 80.28 | 15.836 | | |
| 7,300.00 | 5,546.26 | 5,720.92 | 5,314.51 | 66.13 | 35.06 | -78.68 | -914.00 | 1,215.56 | 1,241.07 | 1,156.98 | 84.09 | 14.759 | | |
| 7,400.00 | 5,546.94 | 5,760.63 | 5,343.43 | 66.64 | 35.02 | -80.03 | -893.59 | 1,197.58 | 1,216.21 | 1,128.47 | 87.73 | 13.863 | | |
| 7,500.00 | 5,547.62 | 5,800.00 | 5,370.18 | 67.23 | 34.98 | -81.29 | -872.08 | 1,178.30 | 1,196.67 | 1,105.46 | 91.21 | 13.120 | | |
| 7,600.00 | 5,548.30 | 5,859.62 | 5,406.76 | 67.88 | 34.95 | -83.02 | -837.32 | 1,146.60 | 1,182.01 | 1,087.83 | 94.18 | 12.550 | | |
| 7,700.00 | 5,548.98 | 5,924.57 | 5,441.02 | 68.60 | 34.95 | -84.66 | -796.92 | 1,109.07 | 1,171.71 | 1,074.90 | 96.81 | 12.104 | | |
| 7,800.00 | 5,549.66 | 6,000.00 | 5,477.99 | 69.40 | 35.00 | -86.44 | -748.92 | 1,064.15 | 1,164.26 | 1,065.13 | 99.13 | 11.745 | | |
| 7,900.00 | 5,550.34 | 6,076.89 | 5,508.06 | 70.25 | 35.12 | -87.90 | -697.69 | 1,015.42 | 1,159.72 | 1,058.46 | 101.25 | 11.453 | | |
| 8,000.00 | 5,551.02 | 6,158.68 | 5,529.38 | 71.18 | 35.32 | -88.92 | -641.04 | 960.52 | 1,157.40 | 1,054.23 | 103.17 | 11.219 | | |
| 8,100.00 | 5,551.70 | 6,245.08 | 5,539.50 | 72.16 | 35.60 | -89.39 | -580.02 | 900.31 | 1,156.57 | 1,051.61 | 104.96 | 11.019 | | |
| 8,123.42 | 5,551.86 | 6,265.63 | 5,540.00 | 72.41 | 35.68 | -89.41 | -565.48 | 885.80 | 1,156.54 | 1,051.16 | 105.38 | 10.975 | | |
| 8,200.00 | 5,552.38 | 6,342.18 | 5,540.49 | 73.21 | 36.04 | -89.41 | -511.35 | 831.67 | 1,156.54 | 1,049.86 | 106.68 | 10.841 | | |
| 8,300.00 | 5,553.06 | 6,442.18 | 5,541.13 | 74.32 | 36.61 | -89.41 | -440.64 | 760.96 | 1,156.54 | 1,048.02 | 108.53 | 10.657 | | |
| 8,400.00 | 5,553.74 | 6,542.18 | 5,541.77 | 75.48 | 37.31 | -89.41 | -369.94 | 690.25 | 1,156.55 | 1,045.99 | 110.56 | 10.461 | | |
| 8,500.00 | 5,554.42 | 6,642.18 | 5,542.41 | 76.70 | 38.14 | -89.40 | -299.23 | 619.54 | 1,156.55 | 1,043.79 | 112.76 | 10.257 | | |
| 8,600.00 | 5,555.10 | 6,742.18 | 5,543.05 | 77.97 | 39.09 | -89.40 | -228.52 | 548.83 | 1,156.55 | 1,041.43 | 115.13 | 10.046 | | |
| 8,700.00 | 5,555.78 | 6,842.18 | 5,543.68 | 79.30 | 40.14 | -89.40 | -157.81 | 478.12 | 1,156.56 | 1,038.91 | 117.64 | 9.831 | | |
| 8,800.00 | 5,556.46 | 6,942.18 | 5,544.32 | 80.67 | 41.30 | -89.40 | -87.10 | 407.41 | 1,156.56 | 1,036.26 | 120.30 | 9.614 | | |
| 8,900.00 | 5,557.14 | 7,042.18 | 5,544.96 | 82.08 | 42.55 | -89.40 | -16.39 | 336.70 | 1,156.56 | 1,033.48 | 123.08 | 9.397 | | |
| 9,000.00 | 5,557.82 | 7,142.18 | 5,545.60 | 83.54 | 43.89 | -89.39 | 54.31 | 265.99 | 1,156.56 | 1,030.58 | 125.99 | 9.180 | | |
| 9,100.00 | 5,558.50 | 7,242.18 | 5,546.24 | 85.04 | 45.30 | -89.39 | 125.02 | 195.28 | 1,156.57 | 1,027.56 | 129.00 | 8.965 | | |
| 9,200.00 | 5,559.18 | 7,342.18 | 5,546.88 | 86.58 | 46.79 | -89.39 | 195.73 | 124.57 | 1,156.57 | 1,024.45 | 132.12 | 8.754 | | |
| 9,300.00 | 5,559.86 | 7,442.18 | 5,547.52 | 88.15 | 48.34 | -89.39 | 266.44 | 53.86 | 1,156.57 | 1,021.24 | 135.33 | 8.546 | | |
| 9,400.00 | 5,560.54 | 7,542.18 | 5,548.16 | 89.76 | 49.94 | -89.39 | 337.15 | -16.85 | 1,156.57 | 1,017.95 | 138.62 | 8.343 | | |
| 9,500.00 9,600.00 | 5,561.22 5,561.90 | 7,642.18 7,742.18 | 5,548.80 5,549.44 | 91.40 93.07 | 51.60 53.31 | -89.38 -89.38 | 407.86 478.56 | -87.56 -158.27 | 1,156.58 1,156.58 | 1,014.58 1,011.14 | 142.00 145.44 | 8.145 7.952 | | |
| | | | | | | | | | | | | | | |
| 9,700.00 9,800.00 | 5,562.58 5,563.25 | 7,842.18 7,942.18 | 5,550.08 5,550.72 | 94.77 | 55.06 56.85 | -89.38 -89.38 | 549.27 619.98 | -228.98 -299.69 | 1,156.58 | 1,007.63 | 148.95 152.53 | 7.765 7.583 | | |
| 9,800.00 | 5,563.25 | 7,942.18 8,042.18 | 5,550.72 | 96.50 98.25 | 56.85 58.67 | -89.38 -89.38 | 690.69 | -299.69 | 1,156.58 1,156.59 | 1,004.06 1,000.43 | 156.16 | 7.583 | | |
| 10,000.00 | 5,564.61 | 8,142.18 | 5,552.00 | 100.03 | 60.53 | -89.37 | 761.40 | -370.40 -441.11 | 1,156.59 | 996.75 | 159.84 | 7.407 | | |
| 10,000.00 | 5,565.29 | 8,242.18 | 5,552.64 | 101.83 | 62.41 | -89.37 | 832.11 | -511.82 | 1,156.59 | 993.02 | 163.57 | 7.236 | | |
| | | | | | | | | | | | | | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Ridge Unit (130, 135, 136 & 137) Reference Site:

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Grid

Survey Calculation Method:

Output errors are at Database:

Offset TVD Reference:

Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Minimum Curvature 2.00 sigma DB_Decv0422v16 Offset Datum

| urvey Progr | ram: 0-l | MWD | | | | | | | | Rule Assi | aned: | | Offset Site Error: Offset Well Error: | 0.00 f |
|-------------------|-------------------|-------------------|-------------------|----------------|---------------|----------------------|---------------|---------------|--------------------|----------------|------------------------|----------------------|---------------------------------------|--------|
| Refe | rence | Offs | | | ajor Axis | | Offset Wellb | ore Centre | | ance | _ | | | 0.00 |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | +N/-S (ft) | +E/-W (ft) | Between Centres | Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) 10,300.00 | (ft) 5,566.65 | (ft) 8,442.18 | (ft) 5,553.91 | (ft) 105.49 | (ft) 66.26 | (°) -89.37 | 973.52 | -653.24 | (ft) 1,156.60 | (ft) 985.44 | (ft) 171.16 | 6.757 | | |
| 10,400.00 | 5,567.33 | 8,542.18 | 5,554.55 | 107.35 | 68.22 | -89.37 | 1,044.23 | -723.95 | 1,156.60 | 981.58 | 175.02 | 6.609 | | |
| 10,500.00 | 5,568.01 | 8,642.18 | 5,555.19 | 107.33 | 70.20 | -89.36 | 1,114.94 | -723.93 | 1,156.60 | 977.70 | 178.91 | 6.465 | | |
| 10,600.00 | 5,568.69 | 8,742.18 | 5,555.83 | 111.13 | 72.20 | -89.36 | 1,185.65 | -865.37 | 1,156.61 | 973.78 | 182.83 | 6.326 | | |
| 10,700.00 | 5,569.37 | 8,842.18 | 5,556.47 | 113.04 | 74.21 | -89.36 | 1,256.36 | -936.08 | 1,156.61 | 969.82 | 186.78 | 6.192 | | |
| 10,800.00 | 5,570.05 | 8,942.18 | 5,557.11 | 114.97 | 76.25 | -89.36 | 1,327.06 | -1,006.79 | 1,156.61 | 965.84 | 190.77 | 6.063 | | |
| 10,900.00 | 5,570.73 | 9,042.18 | 5,557.75 | 116.91 | 78.29 | -89.36 | 1,397.77 | -1,077.50 | 1,156.61 | 961.84 | 194.78 | 5.938 | | |
| 11,000.00 | 5,571.41 | 9,142.18 | 5,558.39 | 118.86 | 80.35 | -89.35 | 1,468.48 | -1,148.21 | 1,156.62 | 957.81 | 198.81 | 5.818 | | |
| 11,100.00 | 5,572.09 | 9,242.18 | 5,559.03 | 120.83 | 82.42 | -89.35 | 1,539.19 | -1,218.92 | 1,156.62 | 953.75 | 202.87 | 5.701 | | |
| 11,200.00 | 5,572.77 | 9,342.18 | 5,559.67 | 122.81 | 84.51 | -89.35 | 1,609.90 | -1,289.63 | 1,156.62 | 949.67 | 206.95 | 5.589 | | |
| 11,300.00 | 5,573.45 | 9,442.18 | 5,560.31 | 124.80 | 86.60 | -89.35 | 1,680.60 | -1,360.34 | 1,156.62 | 945.57 | 211.05 | 5.480 | | |
| 11,400.00 | 5,574.13 | 9,542.18 | 5,560.95 | 126.80 | 88.70 | -89.35 | 1,751.31 | -1,431.05 | 1,156.63 | 941.45 | 215.17 | 5.375 | | |
| 11,500.00 | 5,574.81 | 9,642.18 | 5,561.59 | 128.82 | 90.82 | -89.34 | 1,822.02 | -1,501.76 | 1,156.63 | 937.32 | 219.31 | 5.274 | | |
| 11,600.00 | 5,575.49 | 9,742.18 | 5,562.23 | 130.84 | 92.94 | -89.34 | 1,892.73 | -1,572.47 | 1,156.63 | 933.16 | 223.47 | 5.176 | | |
| 11,700.00 | 5,576.17 | 9,842.18 | 5,562.87 | 132.87 | 95.07 | -89.34 | 1,963.44 | -1,643.18 | 1,156.63 | 928.99 | 227.65 | 5.081 | | |
| 11,800.00 | 5,576.85 | 9,942.18 | 5,563.51 | 134.91 | 97.21 | -89.34 | 2,034.15 | -1,713.89 | 1,156.64 | 924.80 | 231.83 | 4.989 | | |
| 11,900.00 | 5,577.53 | 10,042.18 | 5,564.15 | 136.96 | 99.35 | -89.34 | 2,104.85 | -1,784.60 | 1,156.64 | 920.60 | 236.04 | 4.900 | | |
| 12,000.00 | 5,578.21 | 10,142.18 | 5,564.78 | 139.02 | 101.50 | -89.33 | 2,175.56 | -1,855.31 | 1,156.64 | 916.39 | 240.26 | 4.814 | | |
| 12,100.00 | 5,578.89 | 10,242.18 | 5,565.42 | 141.08 | 103.66 | -89.33 | 2,246.27 | -1,926.02 | 1,156.64 | 912.16 | 244.49 | 4.731 | | |
| 12,200.00 | 5,579.57 | 10,342.18 | 5,566.06 | 143.16 | 105.82 | -89.33 | 2,316.98 | -1,996.73 | 1,156.65 | 907.92 | 248.73 | 4.650 | | |
| 12,300.00 | 5,580.25 | 10,442.18 | 5,566.70 | 145.24 | 107.99 | -89.33 | 2,387.69 | -2,067.44 | 1,156.65 | 903.66 | 252.99 | 4.572 | | |
| 12,400.00 | 5,580.93 | 10,542.18 | 5,567.34 | 147.32 | 110.16 | -89.33 | 2,458.40 | -2,138.15 | 1,156.65 | 899.40 | 257.25 | 4.496 | | |
| 12,500.00 | 5,581.61 | 10,642.18 | 5,567.98 | 149.41 | 112.34 | -89.32 | 2,529.10 | -2,208.86 | 1,156.66 | 895.12 | 261.53 | 4.423 | | |
| 12,600.00 | 5,582.29 | 10,742.18 | 5,568.62 | 151.51 | 114.53 | -89.32 | 2,599.81 | -2,279.57 | 1,156.66 | 890.84 | 265.82 | 4.351 | | |
| 12,700.00 | 5,582.97 | 10,842.18 | 5,569.26 | 153.62 | 116.71 | -89.32 | 2,670.52 | -2,350.28 | 1,156.66 | 886.55 | 270.12 | 4.282 | | |
| 12,800.00 | 5,583.65 | 10,942.18 | 5,569.90 | 155.73 | 118.90 | -89.32 | 2,741.23 | -2,420.99 | 1,156.66 | 882.24 | 274.42 | 4.215 | | |
| 12,900.00 | 5,584.33 | 11,042.18 | 5,570.54 | 157.84 | 121.10 | -89.32 | 2,811.94 | -2,491.70 | 1,156.67 | 877.93 | 278.74 | 4.150 | | |
| 13,000.00 | 5,585.01 | 11,142.18 | 5,571.18 | 159.96 | 123.30 | -89.31 | 2,882.65 | -2,562.41 | 1,156.67 | 873.61 | 283.06 | 4.086 | | |
| 13,100.00 | 5,585.69 | 11,242.18 | 5,571.82 | 162.09 | 125.50 | -89.31 | 2,953.35 | -2,633.12 | 1,156.67 | 869.28 | 287.39 | 4.025 | | |
| 13,200.00 | 5,586.37 | 11,342.18 | 5,572.46 | 164.22 | 127.71 | -89.31 | 3,024.06 | -2,703.83 | 1,156.67 | 864.94 | 291.73 | 3.965 | | |
| 13,300.00 | 5,587.05 | 11,442.18 | 5,573.10 | 166.36 | 129.91 | -89.31 | 3,094.77 | -2,774.54 | 1,156.68 | 860.60 | 296.08 | 3.907 | | |
| 13,400.00 | 5,587.73 | 11,542.18 | 5,573.74 | 168.49 | 132.13 | -89.31 | 3,165.48 | -2,845.25 | 1,156.68 | 856.25 | 300.43 | 3.850 | | |
| 13,500.00 | 5,588.41 | 11,642.18 | 5,574.38 | 170.64 | 134.34 | -89.30 | 3,236.19 | -2,915.96 | 1,156.68 | 851.89 | 304.79 | 3.795 | | |
| 13,600.00 | 5,589.09 | 11,742.18 | 5,575.02 | 172.79 | 136.56 | -89.30 | 3,306.90 | -2,986.67 | 1,156.68 | 847.53 | 309.16 | 3.741 | | |
| 13,700.00 | 5,589.77 | 11,842.18 | 5,575.65 | 174.94 | 138.78 | -89.30 | 3,377.60 | -3,057.38 | 1,156.69 | 843.16 | 313.53 | 3.689 | | |
| 13,800.00 | 5,590.45 | 11,942.18 | 5,576.29 | 177.09 | 141.00 | -89.30 | 3,448.31 | -3,128.09 | 1,156.69 | 838.78 | 317.91 | 3.638 | | |
| 13,900.00 | 5,591.13 | 12,042.18 | 5,576.93 | 179.25 | 143.22 | -89.30 | 3,519.02 | -3,198.81 | 1,156.69 | 834.40 | 322.30 | 3.589 | | |
| 14,000.00 | 5,591.81 | 12,142.18 | 5,577.57 | 181.41 | 145.45 | -89.29 | 3,589.73 | -3,269.52 | 1,156.70 | 830.01 | 326.68 | 3.541 | | |
| 14,100.00 | 5,592.49 | 12,242.18 | 5,578.21 | 183.58 | 147.68 | -89.29 | 3,660.44 | -3,340.23 | 1,156.70 | 825.62 | 331.08 | 3.494 | | |
| 14,200.00 | 5,593.17 | 12,342.18 | 5,578.85 | 185.75 | 149.91 | -89.29 | 3,731.15 | -3,410.94 | 1,156.70 | 821.22 | 335.48 | 3.448 | | |
| 14,300.00 | 5,593.85 | 12,442.18 | 5,579.49 | 187.92 | 152.14 | -89.29 | 3,801.85 | -3,481.65 | 1,156.70 | 816.82 | 339.89 | 3.403 | | |
| 14,400.00 | 5,594.53 | 12,542.18 | 5,580.13 | 190.09 | 154.37 | -89.29 | 3,872.56 | -3,552.36 | 1,156.71 | 812.41 | 344.29 | 3.360 | | |
| 14,500.00 | 5,595.21 | 12,642.18 | 5,580.77 | 192.27 | 156.61 | -89.28 | 3,943.27 | -3,623.07 | 1,156.71 | 808.00 | 348.71 | 3.317 | | |
| 14,600.00 | 5,595.89 | 12,742.18 | 5,581.41 | 194.45 | 158.85 | -89.28 | 4,013.98 | -3,693.78 | 1,156.71 | 803.58 | 353.13 | 3.276 | | |
| 14,700.00 | 5,596.57 | 12,842.18 | 5,582.05 | 196.63 | 161.09 | -89.28 | 4,084.69 | -3,764.49 | 1,156.71 | 799.16 | 357.55 | 3.235 | | |
| 14,800.00 | 5,597.25 | 12,942.18 | 5,582.69 | 198.82 | 163.33 | -89.28 | 4,155.40 | -3,835.20 | 1,156.72 | 794.74 | 361.98 | 3.196 | | |
| 14,900.00 | 5,597.93 | 13,042.18 | 5,583.33 | 201.01 | 165.57 | -89.28 | 4,226.10 | -3,905.91 | 1,156.72 | 790.31 | 366.41 | 3.157 | | |
| 15,000.00 | 5,598.61 | 13,142.18 | 5,583.97 | 203.20 | 167.81 | -89.27 | 4,296.81 | -3,976.62 | 1,156.72 | 785.88 | 370.84 | 3.119 | | |
| 15,100.00 | 5,599.29 | 13,242.18 | 5,584.61 | 205.39 | 170.06 | -89.27 | 4,367.52 | -4,047.33 | 1,156.73 | 781.45 | 375.28 | 3.082 | | |
| 15,200.00 | 5,599.97 | 13,342.18 | 5,585.25 | 207.59 | 172.31 | -89.27 | 4,438.23 | -4,118.04 | 1,156.73 | 777.01 | 379.72 | 3.046 | | |
| 15,300.00 | 5,600.65 | 13,442.18 | 5,585.89 | 209.78 | 174.55 | -89.27 | 4,508.94 | -4,188.75 | 1,156.73 | 772.57 | 384.17 | 3.011 | | |
| 15,400.00 | 5,601.33 | 13,542.18 | 5,586.52 | 211.98 | 176.80 | -89.27 | 4,579.65 | -4,259.46 | 1,156.73 | 768.12 | 388.61 | 2.977 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma

Database:

Offset TVD Reference:

DUITPUT Errors are at 2.00 signia 2.00 signi

| Offset Des | sign: Rid | ge Unit (13 | 30, 135, 13 | 36 & 137) - | Ridge Ur | it No. 135H | - Original Hole | - rev1 | | | | | Offset Site Error: | 0.00 ft |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|
| | rence | /IWD Offs | | | lajor Axis | | Offset Wellb | ore Centre | | Rule Assi | _ | | Offset Well Error: | 0.00 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 15,500.00 | 5,602.01 | 13,642.18 | 5,587.16 | 214.19 | 179.05 | -89.26 | 4,650.35 | -4,330.17 | 1,156.74 | 763.67 | 393.06 | 2.943 | | |
| 15,600.00 | 5,602.69 | 13,742.18 | 5,587.80 | 216.39 | 181.30 | -89.26 | 4,721.06 | -4,400.88 | 1,156.74 | 759.22 | 397.52 | 2.910 | | |
| 15,700.00 | 5,603.37 | 13,842.18 | 5,588.44 | 218.59 | 183.56 | -89.26 | 4,791.77 | -4,471.59 | 1,156.74 | 754.77 | 401.98 | 2.878 | | |
| 15,800.00 | 5,604.05 | 13,942.18 | 5,589.08 | 220.80 | 185.81 | -89.26 | 4,862.48 | -4,542.30 | 1,156.74 | 750.31 | 406.43 | 2.846 | | |
| 15,900.00 | 5,604.73 | 14,042.18 | 5,589.72 | 223.01 | 188.06 | -89.26 | 4,933.19 | -4,613.01 | 1,156.75 | 745.85 | 410.90 | 2.815 | | |
| 16,000.00 | 5,605.41 | 14,142.18 | 5,590.36 | 225.22 | 190.32 | -89.25 | 5,003.90 | -4,683.72 | 1,156.75 | 741.39 | 415.36 | 2.785 | | |
| 16,100.00 | 5,606.09 | 14,242.18 | 5,591.00 | 227.43 | 192.57 | -89.25 | 5,074.60 | -4,754.43 | 1,156.75 | 736.92 | 419.83 | 2.755 | | |
| 16,200.00 | 5,606.77 | 14,342.18 | 5,591.64 | 229.65 | 194.83 | -89.25 | 5,145.31 | -4,825.14 | 1,156.75 | 732.46 | 424.30 | 2.726 | | |
| 16,300.00 | 5,607.45 | 14,442.18 | 5,592.28 | 231.86 | 197.09 | -89.25 | 5,216.02 | -4,895.85 | 1,156.76 | 727.99 | 428.77 | 2.698 | | |
| 16,400.00 | 5,608.13 | 14,542.18 | 5,592.92 | 234.08 | 199.35 | -89.25 | 5,286.73 | -4,966.56 | 1,156.76 | 723.51 | 433.25 | 2.670 | | |
| 16,500.00 | 5,608.81 | 14,642.18 | 5,593.56 | 236.30 | 201.61 | -89.24 | 5,357.44 | -5,037.27 | 1,156.76 | 719.04 | 437.72 | 2.643 | | |
| 16,600.00 | 5,609.49 | 14,742.18 | 5,594.20 | 238.52 | 203.87 | -89.24 | 5,428.14 | -5,107.98 | 1,156.77 | 714.56 | 442.20 | 2.616 | | |
| 16,700.00 | 5,610.17 | 14,842.18 | 5,594.84 | 240.74 | 206.13 | -89.24 | 5,498.85 | -5,178.69 | 1,156.77 | 710.09 | 446.68 | 2.590 | | |
| 16,800.00 | 5,610.85 | 14,942.18 | 5,595.48 | 242.96 | 208.39 | -89.24 | 5,569.56 | -5,249.40 | 1,156.77 | 705.60 | 451.17 | 2.564 | | |
| 16,900.00 | 5,611.53 | 15,042.18 | 5,596.12 | 245.19 | 210.65 | -89.24 | 5,640.27 | -5,320.11 | 1,156.77 | 701.12 | 455.65 | 2.539 | | |
| 17,000.00 | 5,612.21 | 15,142.18 | 5,596.76 | 247.41 | 212.92 | -89.23 | 5,710.98 | -5,390.82 | 1,156.78 | 696.64 | 460.14 | 2.514 | | |
| 17,100.00 | 5,612.89 | 15,242.18 | 5,597.39 | 249.64 | 215.18 | -89.23 | 5,781.69 | -5,461.53 | 1,156.78 | 692.15 | 464.63 | 2.490 | | |
| 17,200.00 | 5,613.57 | 15,342.18 | 5,598.03 | 251.87 | 217.45 | -89.23 | 5,852.39 | -5,532.24 | 1,156.78 | 687.66 | 469.12 | 2.466 | | |
| 17,300.00 | 5,614.25 | 15,442.18 | 5,598.67 | 254.10 | 219.71 | -89.23 | 5,923.10 | -5,602.95 | 1,156.78 | 683.17 | 473.61 | 2.442 | | |
| 17,400.00 | 5,614.93 | 15,542.18 | 5,599.31 | 256.33 | 221.98 | -89.23 | 5,993.81 | -5,673.66 | 1,156.79 | 678.68 | 478.11 | 2.420 | | |
| 17,410.95 | 5,615.00 | 15,553.12 | 5,599.38 | 256.57 | 222.23 | -89.23 | 6,001.55 | -5,681.40 | 1,156.79 | 678.19 | 478.60 | 2.417 SF | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

North Reference:
Survey Calculation Method:
Output errors are at

Database: Offset TVD Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid Grid

Minimum Curvature 2.00 sigma DB_Decv0422v16

Offset Datum

| | rence | MWD Off: | | | ajor Axis | | Offset Wellbe | ore Centre | | Rule Assi ance | | | Offset Well Error: | 0.00 |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|------|
| leasured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -109.76 | -13.54 | -37.70 | 40.06 | . , | . , | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.13 | 0.13 | -109.76 | -13.54 | -37.70 | 40.06 | 39.79 | 0.27 | 148.986 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.49 | 0.49 | -109.76 | -13.54 | -37.70 | 40.06 | 39.07 | 0.99 | 40.633 | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.85 | 0.85 | -109.76 | -13.54 | -37.70 | 40.06 | 38.35 | 1.70 | 23.524 | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 1.21 | 1.21 | -109.76 | -13.54 | -37.70 | 40.06 | 37.64 | 2.42 | 16.554 | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 1.57 | 1.57 | -109.76 | -13.54 | -37.70 | 40.06 | 36.92 | 3.14 | 12.770 CC, E | S | |
| 600.00 | 599.95 | 599.95 | 599.95 | 1.92 | 1.93 | 139.83 | -13.54 | -37.70 | 42.02 | 38.18 | 3.84 | 10.935 | | |
| 700.00 | 699.63 | 699.63 | 699.63 | 2.27 | 2.28 | 145.73 | -13.54 | -37.70 | 48.28 | 43.74 | 4.55 | 10.616 SF | | |
| 800.00 | 798.77 | 798.77 | 798.77 | 2.63 | 2.64 | 152.65 | -13.54 | -37.70 | 59.54 | 54.28 | 5.26 | 11.313 | | |
| 900.00 | 897.08 | 897.08 | 897.08 | 3.03 | 2.99 | 158.76 | -13.54 | -37.70 | 76.22 | 70.24 | 5.98 | 12.740 | | |
| 1,000.00 | 994.31 | 994.31 | 994.31 | 3.48 | 3.34 | 163.49 | -13.54 | -37.70 | 98.39 | 91.68 | 6.70 | 14.678 | | |
| 1,100.00 | 1,090.18 | 1,089.61 | 1,089.58 | 3.98 | 3.67 | 165.94 | -15.57 | -38.25 | 126.13 | 118.72 | 7.41 | 17.030 | | |
| 1,200.00 | 1,184.43 | 1,183.25 | 1,182.97 | 4.55 | 3.98 | 166.08 | -22.01 | -40.01 | 159.29 | 151.19 | 8.10 | 19.658 | | |
| 1,300.00 | 1,276.81 | 1,274.70 | 1,273.75 | 5.20 | 4.29 | 165.01 | -32.56 | -42.89 | 197.65 | 188.84 | 8.81 | 22.425 | | |
| 1,400.00 | 1,367.06 | 1,363.43 | 1,361.24 | 5.94 | 4.60 | 163.37 | -46.80 | -46.78 | 241.14 | 231.60 | 9.55 | 25.262 | | |
| 1,500.00 | 1,454.93 | 1,448.99 | 1,444.86 | 6.77 | 4.93 | 161.47 | -64.22 | -51.54 | 289.71 | 279.41 | 10.30 | 28.120 | | |
| 1,600.00 | 1,540.18 | 1,531.01 | 1,524.20 | 7.71 | 5.26 | 159.46 | -84.30 | -57.02 | 343.25 | 332.16 | 11.09 | 30.962 | | |
| 1,700.00 | 1,622.59 | 1,610.09 | 1,599.81 | 8.75 | 5.61 | 157.43 | -106.62 | -63.11 | 401.53 | 389.63 | 11.90 | 33.734 | | |
| 1,800.00 | 1,701.91 | 1,688.11 | 1,674.17 | 9.90 | 5.98 | 155.72 | -129.39 | -69.33 | 463.91 | 451.15 | 12.76 | 36.351 | | |
| 1,900.00 | 1,778.60 | 1,763.74 | 1,746.26 | 11.15 | 6.35 | 154.98 | -151.47 | -75.36 | 529.29 | 515.65 | 13.63 | 38.820 | | |
| 2,000.00 | 1,855.05 | 1,839.16 | 1,818.14 | 12.42 | 6.73 | 154.75 | -173.49 | -81.37 | 594.93 | 580.42 | 14.52 | 40.980 | | |
| 2,100.00 | 1,931.49 | 1,914.57 | 1,890.01 | 13.72 | 7.12 | 154.55 | -195.50 | -87.39 | 660.59 | 645.16 | 15.43 | 42.825 | | |
| 2,200.00 | 2,007.94 | 1,989.99 | 1,961.89 | 15.03 | 7.52 | 154.40 | -217.52 | -93.40 | 726.24 | 709.89 | 16.35 | 44.408 | | |
| 2,300.00 | 2,084.38 | 2,065.40 | 2,033.77 | 16.36 | 7.93 | 154.27 | -239.53 | -99.41 | 791.90 | 774.60 | 17.30 | 45.775 | | |
| 2,400.00 | 2,160.83 | 2,140.82 | 2,105.65 | 17.69 | 8.34 | 154.16 | -261.55 | -105.42 | 857.56 | 839.30 | 18.26 | 46.965 | | |
| 2,500.00 | 2,237.28 | 2,216.23 | 2,177.53 | 19.03 | 8.76 | 154.06 | -283.56 | -111.43 | 923.22 | 903.99 | 19.23 | 48.006 | | |
| 2,600.00 | 2,313.72 | 2,291.64 | 2,249.41 | 20.37 | 9.18 | 153.98 | -305.58 | -117.44 | 988.88 | 968.67 | 20.21 | 48.921 | | |
| 2,700.00 | 2,390.17 | 2,367.06 | 2,321.29 | 21.72 | 9.61 | 153.91 | -327.59 | -123.46 | 1,054.55 | 1,033.34 | 21.21 | 49.728 | | |
| 2,800.00 | 2,466.61 | 2,442.47 | 2,393.17 | 23.07 | 10.04 | 153.84 | -349.61 | -129.47 | 1,120.21 | 1,098.00 | 22.21 | 50.445 | | |
| 2,900.00 | 2,543.06 | 2,517.89 | 2,465.05 | 24.43 | 10.47 | 153.78 | -371.62 | -135.48 | 1,185.87 | 1,162.66 | 23.21 | 51.087 | | |
| 3,000.00 | 2,619.50 | 2,593.30 | 2,536.92 | 25.78 | 10.91 | 153.73 | -393.64 | -141.49 | 1,251.54 | 1,227.31 | 24.23 | 51.661 | | |
| 3,100.00 | 2,695.95 | 2,668.72 | 2,608.80 | 27.14 | 11.35 | 153.69 | -415.65 | -147.50 | 1,317.21 | 1,291.96 | 25.24 | 52.178 | | |
| 3,200.00 | 2,772.40 | 2,744.13 | 2,680.68 | 28.50 | 11.79 | 153.65 | -437.67 | -153.51 | 1,382.87 | 1,356.61 | 26.27 | 52.645 | | |
| 3,300.00 | 2,848.84 | 2,819.55 | 2,752.56 | 29.86 | 12.23 | 153.61 | -459.69 | -159.52 | 1,448.54 | 1,421.24 | 27.30 | 53.069 | | |
| 3,400.00 | 2,925.29 | 2,894.96 | 2,824.44 | 31.23 | 12.67 | 153.57 | -481.70 | -165.54 | 1,514.21 | 1,485.88 | 28.33 | 53.456 | | |
| 3,500.00 | 3,001.73 | 2,970.38 | 2,896.32 | 32.59 | 13.12 | 153.54 | -503.72 | -171.55 | 1,579.87 | 1,550.51 | 29.36 | 53.808 | | |
| 3,600.00 | 3,078.18 | 3,045.79 | 2,968.20 | 33.96 | 13.56 | 153.51 | -525.73 | -177.56 | 1,645.54 | 1,615.14 | 30.40 | 54.132 | | |
| 3,700.00 | 3,154.62 | 3,121.21 | 3,040.08 | 35.33 | 14.01 | 153.49 | -547.75 | -183.57 | 1,711.21 | 1,679.77 | 31.44 | 54.429 | | |
| 3,800.00 | 3,231.07 | 3,196.62 | 3,111.95 | 36.69 | 14.46 | 153.46 | -569.76 | -189.58 | 1,776.88 | 1,744.40 | 32.48 | 54.703 | | |
| 3,900.00 | 3,307.52 | 3,272.03 | 3,183.83 | 38.06 | 14.91 | 153.44 | -591.78 | -195.59 | 1,842.55 | 1,809.02 | 33.53 | 54.956 | | |
| 4,000.00 | 3,383.96 | 3,347.45 | 3,255.71 | 39.43 | 15.36 | 153.42 | -613.79 | -201.61 | 1,908.22 | 1,873.64 | 34.58 | 55.190 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: Well Ridge Unit No. 130H RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: DB_Decv0422v16

Offset TVD Reference: Offset Datum

| Refer | | /IWD Offs | set | Semi M | ajor Axis | | Offset Wellb | ore Centre | Dist | Rule Assi tance | gned: | | Offset Well Error: | 0.00 |
|----------------------|----------------------|----------------------|----------------------|----------------|----------------|----------------------|--------------------|--------------------|----------------------|----------------------|-----------------------|----------------------|--------------------|------|
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | +N/-S | +E/-W | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -109.92 | -20.49 | -56.55 | 60.14 | | | | | |
| 100.00 | 100.00 | 100.00 | 100.00 | 0.13 | 0.13 | -109.92 | -20.49 | -56.55 | 60.14 | 59.88 | 0.27 | 223.708 | | |
| 200.00 | 200.00 | 200.00 | 200.00 | 0.49 | 0.49 | -109.92 | -20.49 | -56.55 | 60.14 | 59.16 | 0.99 | 61.011 | | |
| 300.00 | 300.00 | 300.00 | 300.00 | 0.85 | 0.85 | -109.92 | -20.49 | -56.55 | 60.14 | 58.44 | 1.70 | 35.322 | | |
| 400.00 | 400.00 | 400.00 | 400.00 | 1.21 | 1.21 | -109.92 | -20.49 | -56.55 | 60.14 | 57.73 | 2.42 | 24.856 | | |
| 500.00 | 500.00 | 500.00 | 500.00 | 1.57 | 1.57 | -109.92 | -20.49 | -56.55 | 60.14 | 57.01 | 3.14 | 19.175 CC, E | :S | |
| 600.00 | 599.95 | 599.95 | 599.95 | 1.92 | 1.93 | 138.89 | -20.49 | -56.55 | 62.09 | 58.25 | 3.84 | 16.158 | | |
| 700.00 | 699.63 | 699.63 | 699.63 | 2.27 | 2.28 | 143.11 | -20.49 | -56.55 | 68.20 | 63.65 | 4.55 | 14.995 SF | | |
| 800.00 | 798.77 | 798.77 | 798.77 | 2.63 | 2.64 | 148.61 | -20.49 | -56.55 | 79.05 | 73.78 | 5.26 | 15.017 | | |
| 900.00 | 897.08 | 892.75 | 892.71 | 3.03 | 2.97 | 153.34 | -21.46 | -58.58 | 97.30 | 91.34 | 5.96 | 16.316 | | |
| 1,000.00 | 994.31 | 983.77 | 983.48 | 3.48 | 3.28 | 156.40 | -24.27 | -64.53 | 125.00 | 118.36 | 6.64 | 18.817 | | |
| 1,100.00 | 1,090.18 | 1,070.89 | 1,069.98 | 3.98 | 3.59 | 158.08 | -28.70 | -73.88 | 161.50 | 154.19 | 7.30 | 22.109 | | |
| 1,200.00 | 1,184.43 | 1,153.30 | 1,151.29 | 4.55 | 3.89 | 158.84 | -34.44 | -86.00 | 206.15 | 198.21 | 7.95 | 25.942 | | |
| 1,300.00 | 1,276.81 | 1,230.39 | 1,226.75 | 5.20 | 4.20 | 159.03 | -41.16 | -100.19 | 258.33 | 249.77 | 8.57 | 30.160 | | |
| 1,400.00 | 1,367.06 | 1,300.00 | 1,294.31 | 5.94 | 4.49 | 158.83 | -48.35 | -115.36 | 317.41 | 308.27 | 9.14 | 34.725 | | |
| 1,500.00 | 1,454.93 | 1,367.09 | 1,358.79 | 6.77 | 4.80 | 158.39 | -56.27 | -132.08 | 382.73 | 373.00 | 9.73 | 39.335 | | |
| 1,600.00 | 1,540.18 | 1,426.38 | 1,415.21 | 7.71 | 5.10 | 157.70 | -64.07 | -148.55 | 453.68 | 443.42 | 10.26 | 44.214 | | |
| 1,700.00 | 1,622.59 | 1,479.64 | 1,465.39 | 8.75 | 5.38 | 156.80 | -71.71 | -164.69 | 529.63 | 518.86 | 10.77 | 49.182 | | |
| 1,800.00 | 1,701.91 | 1,527.01 | 1,509.58 | 9.90 | 5.65 | 155.64 | -79.01 | -180.10 | 610.00 | 598.76 | 11.25 | 54.239 | | |
| 1,900.00 | 1,778.60 | 1,569.31 | 1,548.67 | 11.15 | 5.90 | 155.41 | -85.92 | -194.69 | 693.74 | 682.05 | 11.69 | 59.341 | | |
| 2,000.00 | 1,855.05 | 1,600.00 | 1,576.81 | 12.42 | 6.08 | 155.68 | -91.17 | -205.77 | 778.73 | 766.73 | 11.99 | 64.922 | | |
| 2,100.00 | 1,931.49 | 1,646.75 | 1,619.28 | 13.72 | 6.40 | 155.96 | -99.53 | -223.43 | 864.47 | 851.96 | 12.51 | 69.102 | | |
| 2,200.00 | 2,007.94 | 1,689.77 | 1,657.93 | 15.03 | 6.69 | 156.11 | -107.62 | -240.50 | 951.14 | 938.15 | 12.99 | 73.213 | | |
| 2,300.00 | 2,084.38 | 1,728.31 | 1,692.36 | 16.36 | 6.97 | 156.19 | -115.03 | -256.14 | 1,038.27 | 1,024.83 | 13.43 | 77.286 | | |
| 2,400.00 | 2,160.83 | 1,777.28 | 1,736.12 | 17.69 | 7.33 | 156.29 | -124.45 | -276.03 | 1,125.45 | 1,111.43 | 14.02 | 80.291 | | |
| 2,500.00 | 2,237.28 | 1,826.26 | 1,779.87 | 19.03 | 7.69 | 156.37 | -133.86 | -295.91 | 1,212.64 | 1,198.02 | 14.61 | 82.999 | | |
| 2,600.00 | 2,313.72 | 1,875.23 | 1,823.62 | 20.37 | 8.07 | 156.44 | -143.28 | -315.79 | 1,299.82 | 1,284.61 | 15.21 | 85.446 | | |
| 2,700.00 | 2,390.17 | 1,924.20 | 1,867.38 | 21.72 | 8.45 | 156.51 | -152.70 | -335.67 | 1,387.00 | 1,371.18 | 15.82 | 87.663 | | |
| 2,800.00 | 2,466.61 | 1,973.17 | 1,911.13 | 23.07 | 8.83 | 156.56 | -162.11 | -355.55 | 1,474.19 | 1,457.75 | 16.44 | 89.676 | | |
| 2,900.00 | 2,543.06 | 2,022.15 | 1,954.88 | 24.43 | 9.22 | 156.61 | -171.53 | -375.43 | 1,561.37 | 1,544.31 | 17.06 | 91.511 | | |
| 3,000.00 | 2,619.50 | 2,071.12 | 1,998.64 | 25.78 | 9.61 | 156.65 | -180.95 | -395.32 | 1,648.56 | 1,630.87 | 17.69 | 93.184 | | |
| 0.400.00 | 0.005.05 | 0.400.00 | 0.040.00 | 07.44 | 40.04 | 450.00 | 400.00 | 445.00 | 4 705 75 | 4 747 40 | 40.00 | 04.740 | | |
| 3,100.00 | 2,695.95 | 2,120.09 | 2,042.39 | 27.14 | 10.01 | 156.69 | -190.36 | -415.20 | 1,735.75 | 1,717.42 | 18.33 | 94.718 | | |
| 3,200.00 3,300.00 | 2,772.40 2,848.84 | 2,169.06 2,218.04 | 2,086.14 2,129.90 | 28.50 29.86 | 10.41 10.81 | 156.73 156.76 | -199.78 -209.20 | -435.08 -454.96 | 1,822.93 1,910.12 | 1,803.97 1,890.51 | 18.96 19.61 | 96.123 97.417 | | |



Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 ft

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft Reference Wellbore Original Hole Reference Design: rev1

Offset Depths are relative to Offset Datum

Central Meridian is -107.833333333

Local Co-ordinate Reference:

Well Ridge Unit No. 130H **TVD Reference:** RKB=6832+25 @ 6857.00ft MD Reference: RKB=6832+25 @ 6857.00ft North Reference: Grid

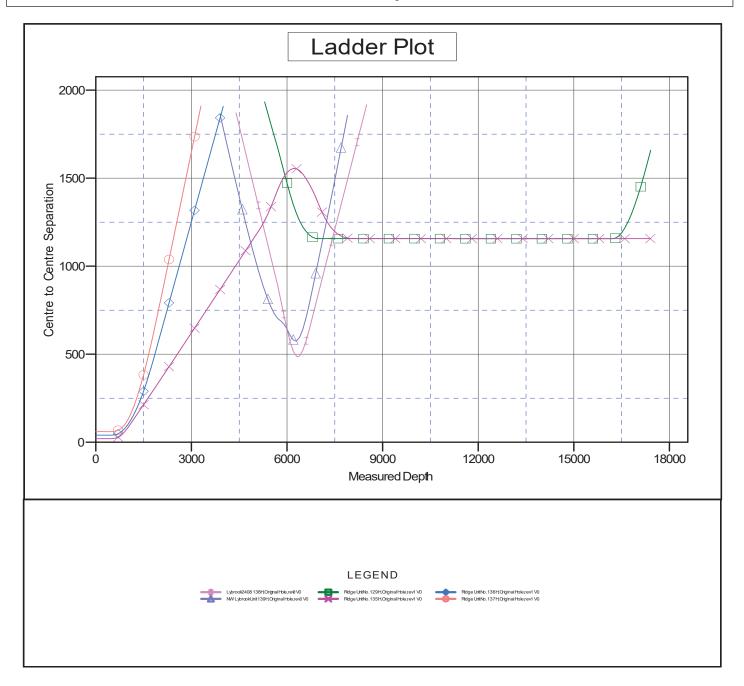
Minimum Curvature **Survey Calculation Method:** Output errors are at 2.00 sigma DB_Decv0422v16 Database:

Offset TVD Reference: Offset Datum

Reference Depths are relative to RKB=6832+25 @ 6857.00ft Coordinates are relative to: Ridge Unit No. 130H

Coordinate System is US State Plane 1983, New Mexico Western Zone

Grid Convergence at Surface is: 0.11°





Company: Enduring Resources LLC

Project: San Juan County, New Mexico NAD83 NM W

Reference Site: Ridge Unit (130, 135, 136 & 137)

Site Error: 0.00 f

Reference Well: Ridge Unit No. 130H

Well Error: 0.00 ft
Reference Wellbore Original Hole
Reference Design: rev1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method: Output errors are at Database:

Offset TVD Reference:

Well Ridge Unit No. 130H

RKB=6832+25 @ 6857.00ft RKB=6832+25 @ 6857.00ft

Grid

Minimum Curvature 2.00 sigma DB_Decv0422v16 Offset Datum

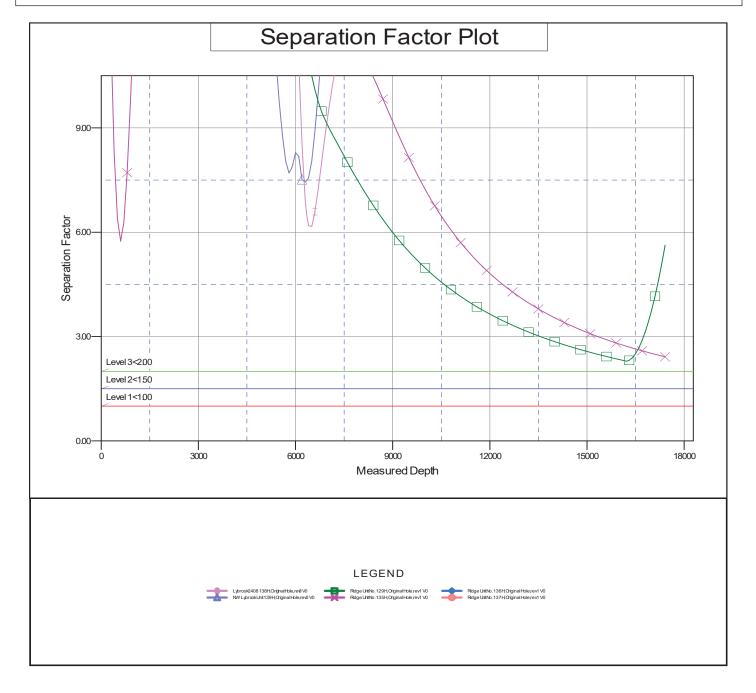
Reference Depths are relative to RKB=6832+25 @ 6857.00ft

Offset Depths are relative to Offset Datum Central Meridian is -107.833333333

Coordinates are relative to: Ridge Unit No. 130H

Coordinate System is US State Plane 1983, New Mexico Western Zone

Grid Convergence at Surface is: 0.11°





United States Department of the Interior



BUREAU OF LAND MANAGEMENT Farmington District Office 6251 College Blvd, Suite A Farmington, New Mexico 87402

In Reply Refer To: 3162.3-1(NMF0110)

Released to Imaging: 1/13/2025 9:33:07 AM

* ENDURING RESOURCES LLC

#130H RIDGE UNIT

Lease: NMNM138391 Agreement: NMNM140471X

SH: SE¼NW¼ Section 26, T. 24N., R. 8W.

San Juan County, New Mexico

BH: NW1/4NE1/4 Section 22, T. 24N., R. 8W.

San Juan County, New Mexico

*Above Data Required on Well Sign

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when **checked**:

| A. Note all surface/drilling conditions of approval attached. |
|--|
| B. The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated |
| C. Test all casing strings below the conductor casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield (burst) for a minimum of 30 minutes. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken. |
| D. Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508. The effective date of the agreement must be prior to any sales. |
| E. The use of co-flex hose is authorized contingent upon the following: 1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip. |
| 2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip. |
| 3. The co-flex hose pressure rating must be at least commensurate with approved BOPE. |

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

Approval Date: 11/22/2024

I. GENERAL

- A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).
- F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).
- G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).
- H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).
- I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.
- J. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.
- K. Unless drilling operations are commenced within three years according to 43 CFR 3171.14, approval of the Application for Permit to Drill will expire. No extensions will be granted.

- L. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.
- M. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.
- N. **Commingling:** No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

- A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.
- B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.
 - 1. Provide complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.
 - c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
 - 2. Well Completion Report will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.
 - 3. Submit a cement evaluation log if cement is not circulated to surface.
- C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results, 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results, and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of *_Days, 20 MMCF following its (completion)(recompletion), or flowback has been routed to the production separator, whichever first occurs, without the prior, written approval of the authorized officer in accordance with 43 CFR 3179.81. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the beginning of flowback following completion or recompletion.

V. <u>SAFETY</u>

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

- A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.
- B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.
- C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 413034

CONDITIONS

| Operator: | OGRID: |
|----------------------|---|
| DJR OPERATING, LLC | 371838 |
| 200 Energy Court | Action Number: |
| Farmington, NM 87401 | 413034 |
| | Action Type: |
| | [C-101] BLM - Federal/Indian Land Lease (Form 3160-3) |

CONDITIONS

| Created By | Condition | Condition Date |
|-------------|---|----------------|
| scrues76 | Cement is required to circulate on both surface and intermediate1 strings of casing. | 12/17/2024 |
| scrues76 | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing. | 12/17/2024 |
| ward.rikala | Notify the OCD 24 hours prior to casing & cement. | 1/13/2025 |
| ward.rikala | File As Drilled C-102 and a directional Survey with C-104 completion packet. | 1/13/2025 |
| ward.rikala | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. | 1/13/2025 |
| ward.rikala | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system. | 1/13/2025 |