State of New Mexico Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham

Governor

Sarah Cottrell Propst Cabinet Secretary

Todd E. Leahy, JD, PhD Deputy Secretary **Adrienne Sandoval**, Division Director **Oil Conservation Division**



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

| Operator Signature Date: _4/23/2019 | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Well information; | |
| Operator_Enduring, Well Name and Number: Rodeo Unit 494H | |
| 3 | |
| API# 30-045- 2 5923, Section_31_, Township _23_ <u>N</u> /S, Range8E/ <u>W</u> | |
| Conditions of Approval: (See the below checked and handwritten conditions) ✓ Notify Aztec OCD 24hrs prior to casing & cement. ✓ If cement doesn't circulate on any casing string or stage tool a CBL will be required. Contact the regulatory agencies prior to proceeding. | e |

- ✓ Hold C-104 for directional survey & "As Drilled" Plat
- ✓ Hold C-104 for: **NSL**, NSP, DHC, **5.9** Compliance
- Spacing rule violation. Operator must follow up with change of status notification on other well to be shut in or abandoned
- o Regarding the use of a pit, closed loop system or below grade tank, the operator must comply with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- 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
- o Submit Gas Capture Plan form prior to spudding or initiating recompletion operations
- ✓ Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84
- 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.
- ✓ Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

NMOCD Approved by Signature

4/15/20

Date

Form 3160-3 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: January 31, 2018

| 5. Lease | Serial No. |
|----------|------------|

NMNM120377

| _ | | | | |
|---|-----------|---------|----------|------|
| 6 | If Indian | Allotee | or Tribe | Name |

| APPLICATION FOR PERMIT TO | DRILL OF | REENTER | | 6. If Indian, Allotee of | Tribe Name |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------|---------------|--------------------------------------------------------------|---------------------------|
| 1a. Type of work: DRILL 1b. Type of Well: Oil Well Gas Well | REENTER Other | | | 7. If Unit or CA Agree NMNM136328A 8. Lease Name and W | |
| 1c. Type of Completion: Hydraulic Fracturing | Single Zone | ✓ Multiple Zone | | RODEO UNIT 494H | |
| 2. Name of Operator ENDURING RESOURCES LLC | R T | | | 9. API Well No. 15 | 35923 |
| 3a. Address 1050 17TH ST STE 2500 DENVER CO 80265 | 3b. Phone (505)386 | No. (include area con -8205 | de) | 10. Field and Pool, or MANCOS / BASIN N | |
| 4. Location of Well (Report location clearly and in accordance | | | | 11. Sec., T. R. M. or E SEC 31 / T23N / R8 | Blk. and Survey or Area |
| At surface NWNW / 225 FNL / 935 FWL / LAT 36.19 | | | | SEC 317 123N7 Ro | W/NWP |
| At proposed prod. zone SESW / 330 FSL / 1498 FWL | / LAT 36.17 | 7003 / LONG -107.7 | 08525 | | |
| 14. Distance in miles and direction from nearest town or post 53.9 miles | office* | | 1 | 12. County or Parish SAN JUAN | 13. State |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) | 16. No of 643.12 | facres in lease | 17. Space | ing Unit dedicated to thi | s well |
| Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. | | sed Depth t / 14239 feet | 100 | I/BIA Bond No. in file MB001492 | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6680 feet | 22. Appro 06/01/20 | oximate date work wil | l start* | 23. Estimated duratio 30 days | n |
| | 24. At | tachments | | | |
| The following, completed in accordance with the requirement (as applicable) | s of Onshore | | | | |
| Well plat certified by a registered surveyor. A Drilling Plan. | | Item 20 above) |). | ns unless covered by an | existing bond on file (se |
| A Surface Use Plan (if the location is on National Forest Sy SUPO must be filed with the appropriate Forest Service Of | fice). | he 5. Operator certif 6. Such other site BLM. | specific info | ormation and/or plans as r | nay be requested by the |
| 25. Signature (Electronic Submission) | | me (Printed/Typed) cey Granillo / Ph: (50 | 05)947-170 | C1 17/47 1 | Date 04/23/2019 |
| Title Permitting Specialist | | | | | |
| Approved by (Signature) (Electronic Submission) | | me (Printed/Typed) chard Fields / Ph: (50 | 05)564-76 | | Date 03/19/2020 |
| Title Field Manager | FA | fice RMINGTON | | | |
| Application approval does not warrant or certify that the appl applicant to conduct operations thereon. | icant holds leg | gal or equitable title to | those right | s in the subject lease wh | ich would entitle the |

oproval Date: 03/19/2020

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.

OCD Received 3/19/2020

ΑV

KP

(Continued on page 2)

*(Instructions on page 2)

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

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

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

1283.63

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

Entire Section 31

Section

5/2

State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

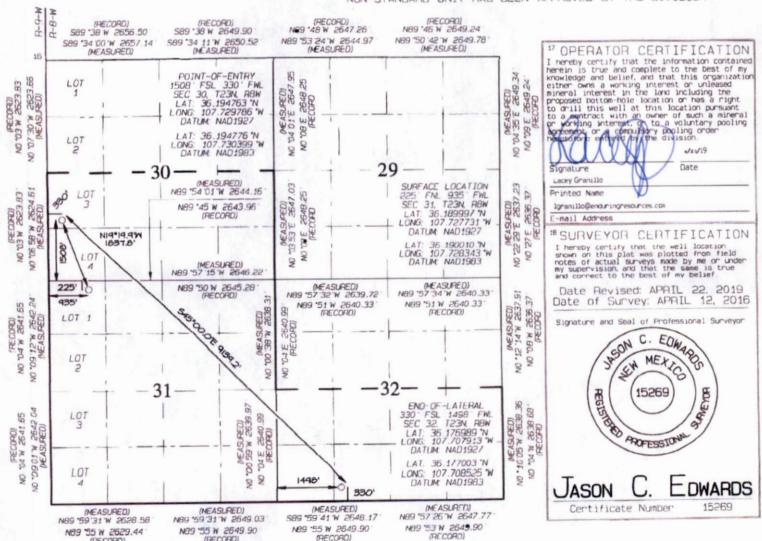
OIL CONSERVATION DIVISION 1220 South St. Francis Drive Santa Fe. NM 87505

AMENDED REPORT

| MELL I | OCATION | ANID | ACDEACE | DEDICATION | DIAT |
|--------|---------|------|----------|------------|------|
| WHILL | OCA ION | ANI | ALHE ALE | DEDILATION | PIA |

| | PI Number 045-359 | | | *Pool Cod 97232 | | 1 | Pool Nam BASIN MAN | | | |
|-----------------|----------------------|----------|----------------------------------------|--------------------|--------------------|----------------------------------|-----------------------|----------------|---------------------|--|
| Property | | | | 2.1 | *Property RODEO | | | | Mell Number 494H | |
| '0GRID 1 | | | *Operator Name ENDURING RESOURCES, LLC | | | | | | | |
| | | | | | 10 Surface | Location | | • | | |
| UL or lot no. | Section | Township | Range | Lat Ian | Feet from the | North/South line | Feet from the | East/West line | County | |
| D | 31 | 23N | 8W | 1 | 225 | NORTH | 935 | WEST | SAN JUAN | |
| | | | Botto | m Hole | Location I | f Different | From Surfac | е | | |
| UL or lot no. | Section | Township | Range | Lot Ion | Feet from the | North/South line | Feet from the | East/West line | County | |
| N | 32 | S3N | 8W | 1 T S - | 330 | SOUTH | 1498 | WEST | SAN JUAN | |
| Dedicated Acres | 5 | /2 - Se | ection | | 13 Joint or Infill | ¹⁴ Consolidation Code | IS Order No. | -14313 | | |

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





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

DRILLING PLAN:

Drill, complete, and equip single lateral in the Mancos-Cms formation

WELL INFORMATION:

Name: RODEO UNIT 494H

API Number: 30-045-

State: New Mexico

County: San Juan

Surface Elevation:

6,680 ft ASL (GL)

6,705 ft ASL (KB)

Surface Location: 31-23N-08W Sec-Twn-Rng

225 ft FNL

935 ft FWL

36.19001 ° N latitude

107.728343 ° W longitude

(NAD 83)

BH Location: 32-23N-08W Sec-Twn-Rng

330 ft FSL

1,498 ft FWL

36.177003 ° N latitude 107.708525 ° 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 38.7 miles to MM 112.7; Right (South) on CR 7900 for 2.3 miles to fork; Right (West) on 7940 for 2.6 miles, Right (North-West) on new acces road for approximately 0.2 miles to Rodeo Unit 492H Pad (includes wells 492H, 493H, 494H, 495H,

496H).

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

| Formation Tops | TVD (ft ASL) | TVD (ft KB) | MD (ft KB) | O/G/W | Pressure |
|-----------------|--------------|-------------|------------|-------|-------------|
| Ojo Alamo | 6,418 | 287 | 287 | W | normal |
| Kirtland | 6,297 | 408 | 408 | W | normal |
| Fruitland | 6,092 | 613 | 613 | G, W | sub |
| Pictured Cliffs | 5,737 | 968 | 982 | G, W | sub |
| Lewis | 5,485 | 1,220 | 1,277 | G, W | normal |
| Chacra | 5,352 | 1,353 | 1,441 | G, W | normal |
| Cliff House | 4,276 | 2,429 | 2,764 | G, W | sub |
| Menefee | 4,270 | 2,435 | 2,771 | G, W | normal |
| Point Lookout | 3,290 | 3,415 | 4,150 | G, W | normal |
| Mancos | 3,065 | 3,640 | 4,404 | O,G | sub (~0.38) |
| Gallup (MNCS_A) | 2,835 | 3,870 | 4,658 | O,G | sub (~0.38) |
| MNCS_B | 2,735 | 3,970 | 4,782 | O,G | sub (~0.38) |
| MNCS Cms | 2,610 | 4,095 | 4,978 | O,G | sub (~0.38) |
| P.O.E. TARGET | 2,560 | 4,145 | 5,094 | O,G | sub (~0.38) |
| L.P. TARGET | 2,510 | 4,195 | 5,417 | O,G | sub (~0.38) |
| PROJECTED TD | 2,580 | 4,125 | 14,239 | 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

psi/ft

Evacuated hole gradient:

0.22

psi/ft

Max. pressure gradient: Maximum anticipated BH pressure, assuming maximum pressure gradient:

0.43

1,810 psi

Maximum anticipated surface pressure, assuming partially evacuated hole:

890

psi

Temperature: Maximum anticipated BHT is 125° F or less

H₂S INFORMATION:

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

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

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; 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 Cameron (4", 10,000 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.

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

FLUIDS AND SOLIDS CONTROL PROGRAM:

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

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

YP FL (mL/30 min) PV (cp) (lb/100 sqft) pH Comments Fluid: Type MW (ppg) 2 - 12 9.0 Spud mud Fresh Water 8.4 N/C 2 - 8

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs: Specs

> Loading Min. S.F.

| | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | (lbs) | (lbs) |
|--------|------------|-------|-------|----------------|-------------|---------|---------|
| 13.375 | 54.5 | J-55 | BTC | 1,130 | 2,730 | 853,000 | 909,000 |
| | | | | 153 | 805 | 116,634 | 116,634 |
| | | | | 7.39 | 3.39 | 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

Maximum: N/A Optimum: N/A MU Torque (ft lbs): Minumum:

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

| Cement: | Туре | Weight (ppg) | Yield (cuft/sk) | (gal/sk) | Hole Cap. (cuft/ft) | % Excess | (ft MD) | Total Cmt (sx) | |
|---------|---------|--------------|--------------------|----------|------------------------|----------|---------|-------------------|--|
| | Class G | 15.8 | 1.174 | 5.15 | 0.6946 | 100% | 0 | 414 | |

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

Halliburton HALCEM surface cementing blend

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

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

| 350 ft (MD) | to | 4,512 ft (MD) | Hole Section Length: | 4,162 ft |
|--------------|----|----------------|----------------------|----------|
| 350 ft (TVD) | to | 3,740 ft (TVD) | Casing Required: | 4,512 ft |

| Fluid: | Туре | MW (ppg) | FL (mL/30 min) | PV (cp) | YP (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

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

| Casing Specs: | | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|-------|------------|-------|-------|----------------|-------------|---------------------|---------------------|
| Specs | 9.625 | 36.0 | J-55 | LTC | 2,020 | 3,520 | 564,000 | 453,000 |
| Loading | | | | | 1,634 | 1,104 | 241,649 | 241,649 |
| Min. S.F. | | | | | 1.24 | 3.19 | 2.33 | 1.87 |

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 3,900 Optimum: 5,200 Maximum: 6,500

MU Torque (ft lbs): Minumum: 3,900 Optimum: 5,200
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

| Cement: | Туре | Weight (ppg) | Yield (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|-------------|--------------|--------------------|-------------------|----------|------------------------|-------------------|
| Lead | G:POZ Blend | 12.3 | 1.987 | 10.16 | 40% | 0 | 898 |
| Tail | Class G | 15.8 | 1.148 | 4.98 | 10% | 4,012 | 150 |

Annular Capacity

0.3627 cuft/ft 9-5/8" casing x 13-3/8" casing annulus
0.3132 cuft/ft 9-5/8" casing x 12-1/4" hole annulus

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

Halliburton ECONOCEM & HALCEM cementing blend

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

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

| 4,512 ft (MD) | to | 14,239 ft (MD) | Hole Section Length: | 9,727 ft |
|----------------|----|----------------|----------------------|-----------|
| 3,740 ft (TVD) | to | 4,125 ft (TVD) | Casing Required: | 14,239 ft |

| Estimated KOP: | 3,466 | ft (MD) | 3,000 | ft (TVD) |
|-----------------------------------------|-------|---------|-------|----------|
| Estimated Point-of-Entry (70 deg. inc): | 5,094 | ft (MD) | 4,145 | ft (TVD) |
| Estimated Landing Point: | 5,417 | ft (MD) | 4,195 | ft (TVD) |
| Estimated Lateral Length: | 9,145 | ft (MD) | | |

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

Hole Size: 8-1/2"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD 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

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to 1,500 psi for 30 minutes

| Casing Specs: | Size (in) | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|-----------|------------|-------|-------|----------------|-------------|---------------------|---------------------|
| Specs | 5.500 | 17.0 | P-110 | LTC | 7,460 | 10,640 | 546,000 | 445,000 |
| Loading | | | | | 2,038 | 8,886 | 308,878 | 308,878 |
| Min. S.F. | | | | | 3.66 | 1.20 | 1.77 | 1.44 |

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

Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden

fluid with 8.4 ppg equivalent external pressure gradient

Tension: buoyed weight in 9.0 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minumum: 3,400 Optimum: 4,530 Maximum: 5,66

Casing Details: Float shoe, float collar, 2 jts casing, float collar, 1 jt casing, toe-initiation sleeve, 20' marker joint, toe-initiation

sleeve, casing to KOP with 20' marker joints spaced evenly in lateral every 2,000'. Place Floatation Sub at KOP. Continue running casing to surface. The toe-initiation sleeves must be positioned INSIDE the 330' unit setback.

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

Lateral: 1 centralizer per joint

POE to KOP: 1 centralizer per joint from landing point to KOP

KOP to surface: 1 centralizer per 2 joints from KOP to 9-5/8" shoe, 1 per 3 joints from 9-5/8" shoe to surface

| Cement: | Туре | Weight (ppg) | Yield (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|-------------|--------------|--------------------|-------------------|----------|------------------------|-------------------|
| Lead | G:POZ blend | 12.4 | 1.907 | 9.98 | 40% | 0 | 916 |
| Tail | G:POZ blend | 13.3 | 1.360 | 6.00 | 10% | 4,658 | 1,775 |

Annular Capacity

0.2691 cuft/ft 5-1/2" casing x 9-5/8" casing annulus 0.2291 cuft/ft 5-1/2" casing x 8-1/2" hole annulus

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

Halliburton ECONOCEM & EXTENDACEM cementing blend

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

Note: The lateral may be drilled past applicaple setback to maximize the length of the completed interval and to maximize resource recovery. If the well is drilled past the setback, the toe Initiation sleeve and all perforations will be placed inside the setback. An unorthodox location application is not required because the completed interval will be entirely within the setback as defined and allowed by NMAC 19.15.16.7B(1), NMAC 19.15.16.14B(2), NMAC 19.15.16.15B(2). Rodeo Unit Order Number is R-14313.

FINISH WELL: ND BOP, NU WH, RDMO.

COMPLETION AND PRODUCTION PLAN:

Frac: Lateral will be fracture-stimulated in approximately 50 plug-and-perf stages with approximately 200,000 bbls

slickwater fluid and 16,000,000 lbs of 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: 6/1/2019 Completion: 7/16/2019 Production: 8/15/2019

Prepared by: Alec Bridge 4/17/2019



Enduring Resources LLC

San Juan Basin - Rodeo Unit 492H Pad 494H

Wellbore #1

Plan: Design #3 - Final

Standard Planning Report

17 April, 2019



Database: Company: EDM

Enduring Resources LLC

Project:

Site: Well: San Juan Basin - Rodeo Unit

494H Wellbore: Wellbore #1 Design #3 - Final Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

Minimum Curvature

Project

San Juan Basin - Rodeo Unit

Map System: Geo Datum:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Map Zone:

New Mexico Western Zone

Site

492H Pad, San Juan County, New Mexico

Site Position: From:

Lat/Long

Northing: Easting:

1,888,477.95 usft

Latitude: Longitude: 36.190011°N

0.0 usft

2,754,011.92 usft

107.728546°W

Position Uncertainty:

Slot Radius:

13-3/16 "

Grid Convergence:

0.06°

Well

494H, Upper Target

Well Position

+N/-S +E/-W

-0.3 usft 59.9 usft

IGRF200510

Northing: Easting:

1,888,477.65 usft 2,754,071.82 usft Latitude: Longitude:

36.190010°N 107.728343°W

Position Uncertainty

0.0 usft

Wellhead Elevation:

Ground Level:

6.680.0 usft

Wellbore

Wellbore #1

Magnetics

Model Name

Sample Date

12/31/2009

Declination (°) 9.97

Dip Angle (°)

Field Strength (nT)

50,595.13560184

Design

Design #3 - Final

Audit Notes:

Version:

Phase:

PROTOTYPE

Tie On Depth:

0.0

Vertical Section:

Depth From (TVD) (usft)

0.0

+N/-S (usft) 0.0

+E/-W (usft) 0.0

Direction (°) 128.93

63.04

Plan Survey Tool Program

Date 4/17/2019

Depth From (usft)

Depth To (usft)

Survey (Wellbore)

Tool Name

Remarks

MWD 0.0 14,239.4 Design #3 - Final (Wellbore #1) OWSG MWD - Standard

4/17/2019 4:38:04PM COMPASS 5000.15 Build 88 Page 2



Database: Company: EDM

Enduring Resources LLC

Project: Site:

San Juan Basin - Rodeo Unit

492H Pad Well: 494H Wellbore: Wellbore #1 Design: Design #3 - Final Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

| easured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
|----------------------------|-----------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|-------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,212.0 | 35.60 | 328.39 | 1,167.1 | 182.4 | -112.2 | 5.00 | 5.00 | 0.00 | 328.39 | |
| 3,466.3 | 35.60 | 328.39 | 3,000.0 | 1,300.0 | -800.0 | 0.00 | 0.00 | 0.00 | 0.00 | 494H KOP V3 |
| 3,786.9 | 68.65 | 332.37 | 3,194.2 | 1,517.9 | -921.6 | 10.35 | 10.31 | 1.24 | 6.78 | |
| 5,094.3 | 70.00 | 135.00 | 4,145.0 | 1,734.3 | -608.5 | 10.35 | 0.10 | 12.44 | 156.50 | 494H POE V3 |
| 5,338.0 | 87.06 | 134.99 | 4,193.3 | 1,566.0 | -440.3 | 7.00 | 7.00 | -0.01 | -0.04 | |
| 5,416.9 | 90.45 | 135.00 | 4,195.0 | 1,510.3 | -384.5 | 4.31 | 4.31 | 0.01 | 0.19 | 494H LP V3 |
| 14,239.4 | 90.45 | 135.00 | 4,125.0 | -4,727.9 | 5,853.9 | 0.00 | 0.00 | 0.00 | 0.00 | 494H BHL |



Database: Company: EDM

Enduring Resources LLC

Project: Site:

San Juan Basin - Rodeo Unit

492H Pad 494H Well: Wellbore: Wellbore #1 Design #3 - Final Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

| d Survey | | | | | | | | | |
|-----------------------------|-----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 287.0 | 0.00 | 0.00 | 287.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Ojo Alamo | | | | | | | | | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 13 3/8" | | E SHOW THE PARTY. | And in the last of | | AND DESCRIPTION OF THE PERSON | NAME OF THE PARTY OF | ente Hydronicus | TOWNS THE RESIDENCE | |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 408.0 | 0.00 | 0.00 | 408.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Kirtland | | 0.00 | F00 C | | | | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 5.00 | 328.39 | 599.9 | 3.7 | -2.3 | -4.1 | 5.00 | 5.00 | 0.00 |
| 613.2 | 5.66 | 328.39 | 613.0 | 4.8 | -2.9 | -5.3 | 5.00 | 5.00 | 0.00 |
| Fruitland | | | | | A CARLETONIA | | Carp Director | | |
| 700.0 | 10.00 | 328.39 | 699.0 | 14.8 | -9.1 | -16.4 | 5.00 | 5.00 | 0.00 |
| | | | | 33.3 | -20.5 | -36.8 | 5.00 | 5.00 | 0.00 |
| 800.0 | 15.00 | 328.39 | 796.6 | | | | | | |
| 900.0 | 20.00 | 328.39 | 891.9 | 58.9 | -36.2 | -65.2 | 5.00 | 5.00 | 0.00 |
| 982.1 | 24.10 | 328.39 | 968.0 | 85.1 | -52.4 | -94.2 | 5.00 | 5.00 | 0.00 |
| Pictured Clif | ts | | | | | | | | |
| 1,000.0 | 25.00 | 328.39 | 984.3 | 91.4 | -56.3 | -101.2 | 5.00 | 5.00 | 0.00 |
| 1,100.0 | 30.00 | 328.39 | 1,073.0 | 130.7 | -80.5 | -144.7 | 5.00 | 5.00 | 0.00 |
| 1,200.0 | 35.00 | 328.39 | 1,157.3 | 176.5 | -108.6 | -195.4 | 5.00 | 5.00 | 0.00 |
| 1,212.0 | 35.60 | 328.39 | 1,167.1 | 182.4 | -112.2 | -201.9 | 5.00 | 5.00 | 0.00 |
| 1,277.1 | 35.60 | 328.39 | 1,220.0 | 214.7 | -132.1 | -237.7 | 0.00 | 0.00 | 0.00 |
| Lewis | | | | | | | | | |
| 1 200 0 | 25.60 | 328.39 | 1,238.6 | 226.0 | -139.1 | -250.2 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 35.60 | | | | -139.1 | -305.1 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 35.60 | 328.39 | 1,319.9 | 275.6 | | | | | |
| 1,440.7 | 35.60 | 328.39 | 1,353.0 | 295.8 | -182.0 | -327.4 | 0.00 | 0.00 | 0.00 |
| Chacra | | | | | | 255 | | | |
| 1,500.0 | 35.60 | 328.39 | 1,401.2 | 325.2 | -200.1 | -360.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 35.60 | 328.39 | 1,482.5 | 374.8 | -230.6 | -414.9 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 35.60 | 328.39 | 1,563.9 | 424.3 | -261.1 | -469.8 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 35.60 | 328.39 | 1,645.2 | 473.9 | -291.6 | -524.7 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 35.60 | 328.39 | 1,726.5 | 523.5 | -322.1 | -579.5 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 35.60 | 328.39 | 1,807.8 | 573.1 | -352.7 | -634.4 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 35.60 | 328.39 | 1,889.1 | 622.6 | -383.2 | -689.3 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | 0.00 |
| 2,200.0 | 35.60 | 328.39 | 1,970.4 | 672.2 | -413.7 | -744.2 | 0.00 | 0.00 | |
| 2,300.0 | 35.60 | 328.39 | 2,051.7 | 721.8 | -444.2 | -799.1 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 35.60 | 328.39 | 2,133.0 | 771.4 | -474.7 | -854.0 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 35.60 | 328.39 | 2,214.3 | 821.0 | -505.2 | -908.8 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 35.60 | 328.39 | 2,295.6 | 870.5 | -535.7 | -963.7 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 35.60 | 328.39 | 2,377.0 | 920.1 | -566.2 | -1,018.6 | 0.00 | 0.00 | 0.00 |
| 2,764.0 | 35.60 | 328.39 | 2,429.0 | 951.8 | -585.7 | -1,053.7 | 0.00 | 0.00 | 0.00 |
| Cliff House | 00.00 | 020.00 | 2,120.0 | 301.0 | 1000 | Total Control | | | |
| 2,771.4 | 35.60 | 328.39 | 2,435.0 | 955.5 | -588.0 | -1,057.8 | 0.00 | 0.00 | 0.00 |
| | 35.00 | 520.53 | 2,435.0 | 333.0 | -500.0 | 1,007.8 | 0.00 | 0.00 | 0,00 |
| Menefee | 25.60 | 329 20 | 2,458.3 | 969.7 | -596.7 | -1,073.5 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 35.60 | 328.39 | | | | | | 0.00 | 0.00 |
| 2,900.0 | 35.60 | 328.39 | 2,539.6 | 1,019.3 | -627.2 | -1,128.4 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 35.60 | 328.39 | 2,620.9 | 1,068.8 | -657.7 | -1,183.3 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 35.60 | 328.39 | 2,702.2 | 1,118.4 | -688.3 | -1,238.2 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 35.60 | 328.39 | 2,783.5 | 1,168.0 | -718.8 | -1,293.0 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 35.60 | 328.39 | 2,864.8 | 1,217.6 | -749.3 | -1,347.9 | 0.00 | 0.00 | 0.00 |



Database: Company: EDM

Enduring Resources LLC

Project: Site:

San Juan Basin - Rodeo Unit

492H Pad 494H Well: Wellbore #1 Wellbore: Design #3 - Final Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

| Measured Depth (usft) | Inclination (°) | Azimuth | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| | HER WAS DEED | SHEAT SHEET STATES | | | | | | | |
| 3,400.0 | 35.60 | 328.39 | 2,946.1 | 1,267.1 | -779.8 | -1,402.8 | 0.00 | 0.00 | 0.00 |
| 3,466.3 | 35.60 | 328.39 | 3,000.0 | 1,300.0 | -800.0 | -1,439.2 | 0.00 | 0.00 | 0.00 |
| 494H KOP V | | | 的社员工作品 | | | | | | |
| 3,500.0 | 39.07 | 329.05 | 3,026.8 | 1,317.5 | -810.6 | -1,458.4 | 10.35 | 10.28 | 1.94 |
| 3,600.0 | 49.37 | 330.52 | 3,098.4 | 1,377.7 | -845.6 | -1,523.5 | 10.35 | 10.30 | 1.48 |
| 494H KOP2 3,700.0 | 59.68 | 331.60 | 3,156.4 | 1,448.9 | -884.9 | -1,598.8 | 10.35 | 10.31 | 1.08 |
| 3,786.9 | 68.65 | 332.37 | 3,194.2 | 1,517.9 | -921.6 | -1,670.7 | 10.35 | 10.32 | 0.88 |
| 100 100 100 100 100 100 100 100 100 100 | | | | | | | | | |
| 3,800.0 | 67.41 58.01 | 332.95 337.84 | 3,199.1 3,244.9 | 1,528.7 1,609.3 | -927.2 -964.2 | -1,681.8 -1,761.3 | 10.35 10.35 | -9.48 -9.40 | 4.47 4.89 |
| 3,900.0 4,000.0 | 48.84 | 343.84 | 3,304.5 | 1,684.9 | -990.8 | -1,829.5 | 10.35 | -9.17 | 6.00 |
| 4,000.0 | 41.41 | 350.35 | 3,364.1 | 1,743.1 | -1,004.4 | -1,876.6 | 10.35 | -8.80 | 7.70 |
| 494H KOP | | ALCOHOL: NAME OF THE PARTY | Managarita. | | THE WATER ASSESSED. | ASSESSED OF | | | |
| 4,100.0 | 40.09 | 351.75 | 3,375.8 | 1,753.1 | -1,005.9 | -1,884.1 | 10.35 | -8.51 | 9.02 |
| 4,149.7 | 35.99 | 356.80 | 3,415.0 | 1,783.6 | -1,009.1 | -1,905.7 | 10.35 | -8.25 | 10.16 |
| Point Look | | | | STATE OF STREET | | | | | REVOLETA SI |
| 4,200.0 | 32.10 | 2.99 | 3,456.6 | 1,811.7 | -1,009.2 | -1,923.4 | 10.35 | -7.73 | 12.32 |
| 4,300.0 | 25.63 | 19.86 | 3,544.3 | 1,858.7 | -1,000.4 | -1,946.1 | 10.35 | -6.47 | 16.87 |
| 4,400.0 | 22.06 | 44.10 | 3,636.0 | 1,892.6 | -980.0 | -1,951.5 | 10.35 | -3.57 | 24.24 |
| 4,404.3 | 22.00 | 45.28 | 3,640.0 | 1,893.8 | -978.8 | -1,951.4 | 10.35 | -1.45 | 27.32 |
| Mancos | | | | | | | | | |
| 4,500.0 | 22.81 | 71.37 | 3,728.7 | 1,912.4 | -948.4 | -1,939.4 | 10.35 | 0.85 | 27.26 |
| 4,512.3 | 23.21 | 74.47 | 3,740.0 | 1,913.8 | -943.8 | -1,936.7 | 10.35 | 3.22 | 25.17 |
| 9 5/8" | | | | | | | | | |
| 4,600.0 | 27.52 | 93.23 | 3,819.3 | 1,917.3 | -906.9 | -1,910.2 | 10.35 | 4.92 | 21.40 |
| 4,658.2 | 31.45 | 102.53 | 3,870.0 | 1,913.2 | -878.6 | -1,885.6 | 10.35 | 6.75 | 15.98 |
| Gallup (MN | The state of the s | | | | | | | | |
| 4,700.0 | 34.61 | 107.95 | 3,905.1 | 1,907.2 | -856.7 | -1,864.7 | 10.35 | 7.56 | 12.97 |
| 4,782.4 | 41.40 | 116.38 | 3,970.0 | 1,887.8 | -809.9 | -1,816.2 | 10.35 | 8.23 | 10.23 |
| MNCS B | | | | | | | | | |
| 4,800.0 | 42.91 | 117.89 | 3,983.0 | 1,882.4 | -799.4 | -1,804.6 | 10.35 | 8.62 | 8.54 |
| 4,900.0 | 51.83 | 125.05 | 4,050.8 | 1,843.8 | -736.9 | -1,731.8 | 10.35 | 8.92 | 7.16 |
| 4,978.0 | 59.03 | 129.48 | 4,095.0 | 1,804.9 | -685.9 | -1,667.7 | 10.35 | 9.23 | 5.69 |
| MNCS_Cms | | 400.04 | 4 400 6 | 4 700 0 | 074 4 | 10400 | 40.05 | 0.25 | E 40 |
| 5,000.0 | 61.09 | 130.61 | 4,106.0 | 1,792.6 | -671.4 | -1,648.6 | 10.35 | 9.35 | 5.12 |
| 5,094.3 | 70.00 | 135.00 | 4,145.0 | 1,734.3 | -608.5 | -1,563.1 | 10.35 | 9.44 | 4.65 |
| 494H POE V | | | STREET, STREET | | | | | | 0.01 |
| 5,100.0 | 70.40 | 135.00 | 4,146.9 | 1,730.5 | -604.7 | -1,557.8 -1,550.1 | 7.00 | 7.00 | -0.01 -0.01 |
| 5,108.2 | 70.97 | 135.00 | 4,149.6 | 1,725.0 | -599.3 | -1,000.1 | 7.00 | 7.00 | -0.01 |
| 494H POE 5,200.0 | 77.40 | 124 00 | A 174 G | 1,662.6 | -536.9 | -1,462.3 | 7.00 | 7.00 | -0.01 |
| 5,300.0 | 77.40 84.40 | 134.99 134.99 | 4,174.6 4,190.5 | 1,592.8 | -467.1 | -1,462.3 | 7.00 | 7.00 | 0.00 |
| | | | | | | | | | |
| 5,338.0 | 87.06 | 134.99 | 4,193.3 | 1,566.0 | -440.3 | -1,326.5 | 7.00 | 7.00 | 0.00 |
| 5,400.0 | 89.73 | 135.00 | 4,195.0 | 1,522.2 | -396.4 | -1,264.9 -1,248.1 | 4.31 4.31 | 4.31 4.31 | 0.01 0.01 |
| 5,416.9 | 90.45 | 135.00 | 4,195.0 | 1,510.3 | -384.5 | -1,240.1 | 4.31 | 4.31 | 0.01 |
| 494H LP V3 | 00.45 | 125.00 | 4,194.3 | 1,451.5 | -325.7 | -1,165.4 | 0.00 | 0.00 | 0.00 |
| 5,500.0 5,600.0 | 90.45 90.45 | 135.00 135.00 | 4,194.5 | 1,380.8 | -255.0 | -1,165.4 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 5,700.0 | 90.45 | 135.00 | 4,192.8 | 1,310.1 | -184.3 | -966.6 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 90.45 | 135.00 | 4,192.0 | 1,239.4 | -113.6 | -867.1 -864.3 | 0.00 | 0.00 | 0.00 |
| 5,802.8 494H POE2 | 90.45 | 135.00 | 4,191.9 | 1,237.4 | -111.6 | -004.3 | 0.00 | 0.00 | 0.00 |



Database: Company: EDM

Enduring Resources LLC

Project:

San Juan Basin - Rodeo Unit

Site: Well: Wellbore: 492H Pad 494H Wellbore #1 Design #3 - Fina Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

| esign) | | Design #3 - Fi | inal | MEDICAL STATE | | | | | | | |
|--------|-----------------------------|-----------------|------------------|-----------------------------|----------------------|--------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Planne | ed Survey | Roll of | | | | elektri. | | | | | |
| | Measured Depth (usft) | Inclination (°) | Azimuth | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| | 5,900.0 | 90.45 | 135.00 | 4,191.2 | 1,168.7 | -42.9 | -767.7 | 0.00 | 0.00 | 0.00 | |
| | 6,000.0 | 90.45 | 135.00 | 4,190.4 | 1,098.0 | 27.8 | -668.2 | 0.00 | 0.00 | 0.00 | |
| | 6,100.0 | 90.45 | 135.00 | 4,189.6 | 1,027.3 | 98.5 | -568.8 | 0.00 | 0.00 | 0.00 | |
| | 6,200.0 | 90.45 | 135.00 | 4,188.8 | 956.6 | 169.2 | -469.4 | 0.00 | 0.00 | 0.00 | |
| | 6,300.0 | 90.45 | 135.00 | 4,188.0 | 885.9 | 239.9 | -369.9 | 0.00 | 0.00 | 0.00 | |
| | 6,400.0 | 90.45 | 135.00 | 4,187.2 | 815.2 | 310.7 | -270.5 | 0.00 | 0.00 | 0.00 | |
| | 6,500.0 | 90.45 | 135.00 | 4,186.4 | 744.5 | 381.4 | -171.1 | 0.00 | 0.00 | 0.00 | |
| | 6,600.0 | 90.45 | 135.00 | 4,185.6 | 673.8 | 452.1 | -71.6 | 0.00 | 0.00 | 0.00 | |
| | 6,700.0 | 90.45 | 135.00 | 4,184.8 | 603.0 | 522.8 | 27.8 | 0.00 | 0.00 | 0.00 | |
| | 6,800.0 | 90.45 | 135.00 | 4,184.0 | 532.3 | 593.5 | 127.2 | 0.00 | 0.00 | 0.00 | |
| | 6,900.0 | 90.45 | 135.00 | 4,183.2 | 461.6 | 664.2 | 226.7 | 0.00 | 0.00 | 0.00 | |
| | 7,000.0 | 90.45 | 135.00 | 4,182.4 | 390.9 | 734.9 | 326.1 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | |
| | 7,100.0 | 90.45 | 135.00 | 4,181.6 | 320.2 | 805.6 | 425.5 | 0.00 | 0.00 | 0.00 | |
| | 7,200.0 | 90.45 | 135.00 | 4,180.9 | 249.5 | 876.3 | 525.0 | 0.00 | 0.00 | 0.00 | |
| | 7,300.0 | 90.45 | 135.00 | 4,180.1 | 178.8 | 947.0 | 624.4 | 0.00 | 0.00 | 0.00 | |
| | 7,400.0 | 90.45 | 135.00 | 4,179.3 | 108.1 | 1,017.8 | 723.9 | 0.00 | 0.00 | 0.00 | |
| | 7,500.0 | 90.45 | 135.00 | 4,178.5 | 37.4 | 1,088.5 | 823.3 | 0.00 | 0.00 | 0.00 | |
| | 7,600.0 | 90.45 | 135.00 | 4,177.7 | -33.3 | 1,159.2 | 922.7 | 0.00 | 0.00 | 0.00 | |
| | 7,700.0 | 90.45 | 135.00 | 4,176.9 | -104.0 | 1,229.9 | 1,022.2 | 0.00 | 0.00 | 0.00 | |
| | 7,800.0 | 90.45 | 135.00 | 4,176.1 | -174.7 | 1,300.6 | 1,121.6 | 0.00 | 0.00 | 0.00 | |
| | 7,900.0 | 90.45 | 135.00 | 4,175.3 | -245.4 | 1,371.3 | 1,221.0 | 0.00 | 0.00 | 0.00 | |
| | 8,000.0 | 90.45 | 135.00 | 4,174.5 | -316.1 | 1,442.0 | 1,320.5 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | |
| | 8,100.0 | 90.45 | 135.00 | 4,173.7 | -386.9 | 1,512.7 | 1,419.9 | 0.00 | 0.00 | 0.00 | |
| | 8,200.0 | 90.45 | 135.00 | 4,172.9 | -457.6 | 1,583.4 | 1,519.3 | 0.00 | 0.00 | 0.00 | |
| | 8,300.0 | 90.45 | 135.00 | 4,172.1 | -528.3 | 1,654.1 | 1,618.8 | 0.00 | 0.00 | 0.00 | |
| | 8,400.0 | 90.45 | 135.00 | 4,171.3 | -599.0 | 1,724.9 | 1,718.2 | 0.00 | 0.00 | 0.00 | |
| | 8,500.0 | 90.45 | 135.00 | 4,170.5 | -669.7 | 1,795.6 | 1,817.6 | 0.00 | 0.00 | 0.00 | |
| | 8,600.0 | 90.45 | 135.00 | 4,169.7 | -740.4 | 1,866.3 | 1,917.1 | 0.00 | 0.00 | 0.00 | |
| | 8,700.0 | 90.45 | 135.00 | 4,169.0 | -811.1 | 1,937.0 | 2,016.5 | 0.00 | 0.00 | 0.00 | |
| | 8,800.0 | 90.45 | 135.00 | 4,168.2 | -881.8 | 2,007.7 | 2,116.0 | 0.00 | 0.00 | 0.00 | |
| | 8,900.0 | 90.45 | 135.00 | 4,167.4 | -952.5 | 2,078.4 | 2,215.4 | 0.00 | 0.00 | 0.00 | |
| | 9,000.0 | 90.45 | 135.00 | 4,166.6 | -1,023.2 | 2,149.1 | 2,314.8 | 0.00 | 0.00 | 0.00 | |
| | 9,100.0 | 90.45 | 135.00 | 4,165.8 | -1,093.9 | 2,219.8 | 2,414.3 | 0.00 | 0.00 | 0.00 | |
| | 9,200.0 | 90.45 | 135.00 | 4,165.0 | -1,164.6 | 2,290.5 | 2,513.7 | 0.00 | 0.00 | 0.00 | |
| | 9,300.0 | 90.45 | 135.00 | 4,164.2 | -1,235.3 | 2,361.2 | 2,613.1 | 0.00 | 0.00 | 0.00 | |
| | 9,400.0 | 90.45 | 135.00 | 4,163.4 | -1,306.0 | 2,432.0 | 2,712.6 | 0.00 | 0.00 | 0.00 | |
| | 9,500.0 | 90.45 | 135.00 | 4,162.6 | -1,376.7 | 2,502.7 | 2,812.0 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | |
| | 9,600.0 | 90.45 | 135.00 | 4,161.8 | -1,447.5 | 2,573.4 | 2,911.4 | 0.00 | 0.00 | 0.00 | |
| | 9,700.0 | 90.45 | 135.00 135.00 | 4,161.0 | -1,518.2 | 2,644.1 2,714.8 | 3,010.9 3,110.3 | 0.00 | 0.00 | 0.00 | |
| | 9,800.0 9,900.0 | 90.45 90.45 | 135.00 | 4,160.2 4,159.4 | -1,588.9 -1,659.6 | 2,714.8 | 3,110.3 | 0.00 | 0.00 | 0.00 | |
| | 10,000.0 | 90.45 | 135.00 | 4,159.4 | -1,730.3 | 2,765.5 | 3,309.2 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | |
| | 10,100.0 | 90.45 | 135.00 | 4,157.8 | -1,801.0 | 2,926.9 | 3,408.6 | 0.00 | 0.00 | 0.00 | |
| | 10,200.0 | 90.45 | 135.00 | 4,157.0 | -1,871.7 | 2,997.6 | 3,508.1 | 0.00 | 0.00 | 0.00 | |
| | 10,300.0 | 90.45 | 135.00 | 4,156.3 | -1,942.4 | 3,068.3 | 3,607.5 | 0.00 | 0.00 | 0.00 | |
| | 10,400.0 | 90.45 | 135.00 | 4,155.5 | -2,013.1 | 3,139.0 | 3,706.9 | 0.00 | 0.00 | 0.00 | |
| | 10,500.0 | 90.45 | 135.00 | 4,154.7 | -2,083.8 | 3,209.8 | 3,806.4 | 0.00 | 0.00 | 0.00 | |
| | 10,600.0 | 90.45 | 135.00 | 4,153.9 | -2,154.5 | 3,280.5 | 3,905.8 | 0.00 | 0.00 | 0.00 | |
| | 10,700.0 | 90.45 | 135.00 | 4,153.1 | -2,225.2 | 3,351.2 | 4,005.2 | 0.00 | 0.00 | 0.00 | |
| | 10,800.0 | 90.45 | 135.00 | 4,152.3 | -2,295.9 | 3,421.9 | 4,104.7 | 0.00 | 0.00 | 0.00 | |
| | 10,900.0 | 90.45 | 135.00 | 4,151.5 | -2,366.6 | 3,492.6 | 4,204.1 | 0.00 | 0.00 | 0.00 | |
| | 11,000.0 | 90.45 | 135.00 | 4,150.7 | -2,437.4 | 3,563.3 | 4,303.5 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | |
| | 11,100.0 | 90.45 | 135.00 | 4,149.9 | -2,508.1 | 3,634.0 | 4,403.0 | 0.00 | 0.00 | 0.00 | |
| | 11,200.0 | 90.45 | 135.00 | 4,149.1 | -2,578.8 | 3,704.7 | 4,502.4 | 0.00 | 0.00 | 0.00 | |



Database: Company: EDM

Enduring Resources LLC

Project:

San Juan Basin - Rodeo Unit

 Site:
 492H Pad

 Well:
 494H

 Wellbore:
 Wellbore #1

 Design:
 Design #3 - Final

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

| lanned Survey | | | | | | | | | |
|-----------------------|--------------------|---------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,300.0 | 90.45 | 135.00 | 4,148.3 | -2,649.5 | 3,775.4 | 4,601.8 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.45 | 135.00 | 4,147.5 | -2,720.2 | 3,846.1 | 4,701.3 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.45 | 135.00 | 4,146.7 | -2,790.9 | 3,916.9 | 4,800.7 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.45 | 135.00 | 4,145.9 | -2,861.6 | 3,987.6 | 4,900.1 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.45 | 135.00 | 4,145.1 | -2,932.3 | 4,058.3 | 4,999.6 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.45 | 135.00 | 4,144.4 | -3,003.0 | 4,129.0 | 5,099.0 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.45 | 135.00 | 4,143.6 | -3,073.7 | 4,199.7 | 5,198.5 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.45 | 135.00 | 4,142.8 | -3,144.4 | 4,270.4 | 5,297.9 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.45 | 135.00 | 4,142.0 | -3,215.1 | 4,341.1 | 5,397.3 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.45 | 135.00 | 4,141.2 | -3,285.8 | 4,411.8 | 5,496.8 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.45 | 135.00 | 4,140.4 | -3,356.5 | 4,482.5 | 5,596.2 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.45 | 135.00 | 4,139.6 | -3,427.3 | 4,553.2 | 5,695.6 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.45 | 135.00 | 4,138.8 | -3,498.0 | 4,624.0 | 5,795.1 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.45 | 135.00 | 4,138.0 | -3,568.7 | 4,694.7 | 5,894.5 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.45 | 135.00 | 4,137.2 | -3,639.4 | 4,765.4 | 5,993.9 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.45 | 135.00 | 4,136.4 | -3,710.1 | 4,836.1 | 6,093.4 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.45 | 135.00 | 4,135.6 | -3,780.8 | 4,906.8 | 6,192.8 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.45 | 135.00 | 4,134.8 | -3,851.5 | 4,977.5 | 6,292.2 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.45 | 135.00 | 4,134.0 | -3,922.2 | 5,048.2 | 6,391.7 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.45 | 135.00 | 4,133.2 | -3,992.9 | 5,118.9 | 6,491.1 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.45 | 135.00 | 4,132.5 | -4,063.6 | 5,189.6 | 6,590.6 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.45 | 135.00 | 4,131.7 | -4,134.3 | 5,260.3 | 6,690.0 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.45 | 135.00 | 4,130.9 | -4,205.0 | 5,331.1 | 6,789.4 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.45 | 135.00 | 4,130.1 | -4,275.7 | 5,401.8 | 6,888.9 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.45 | 135.00 | 4,129.3 | -4,346.4 | 5,472.5 | 6,988.3 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.45 | 135.00 | 4,128.5 | -4,417.2 | 5,543.2 | 7,087.7 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.45 | 135.00 | 4,127.7 | -4,487.9 | 5,613.9 | 7,187.2 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.45 | 135.00 | 4,126.9 | -4,558.6 | 5,684.6 | 7,286.6 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.45 | 135.00 | 4,126.1 | -4,629.3 | 5,755.3 | 7,386.0 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.45 | 135.00 | 4,125.3 | -4,700.0 | 5,826.0 | 7,485.5 | 0.00 | 0.00 | 0.00 |
| 14,239.4 | 90.45 | 135.00 | 4,125.0 | -4,727.9 | 5,853.9 | 7,524.7 | 0.00 | 0.00 | 0.00 |
| 494H BHL | | | | | | | | | |

| Design Targets | | | | | | | | | |
|------------------------------------------------|-------------|----------|---------------|-----------------|-----------------|--------------------|-------------------|-------------|--------------|
| Target Name - hit/miss target - Shape | Dip Angle | Dip Dir. | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| 494H KOP V3 - plan hits target cent - Point | 0.00 ter | 0.00 | 3,000.0 | 1,300.0 | -800.0 | 1,889,777.65 | 2,753,271.82 | 36.193584°N | 107.731050°W |
| 494H BHL - plan hits target cent - Point | 0.00 ter | 0.00 | 4,125.0 | -4,727.9 | 5,853.9 | 1,883,749.78 | 2,759,925.74 | 36.177003°N | 107.708525°W |
| 494H POE V3 - plan hits target cent - Point | 0.00 ter | 0.00 | 4,145.0 | 1,734.3 | -608.5 | 1,890,211.92 | 2,753,463.30 | 36.194776°N | 107.730399°W |
| 494H LP V3 - plan hits target cent - Point | 0.00 ter | 0.00 | 4,195.0 | 1,510.3 | -384.5 | 1,889,987.95 | 2,753,687.32 | 36.194160°N | 107.729641°W |



Database: Company: EDM

Enduring Resources LLC

Project: San Juan Basin - Rodeo Unit Site: 492H Pad

Well: Wellbore: Design: 494H Wellbore #1 Design #3 - Final Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well 494H

KB @ 6705.0usft (Original Well Elev) KB @ 6705.0usft (Original Well Elev)

Grid

Minimum Curvature

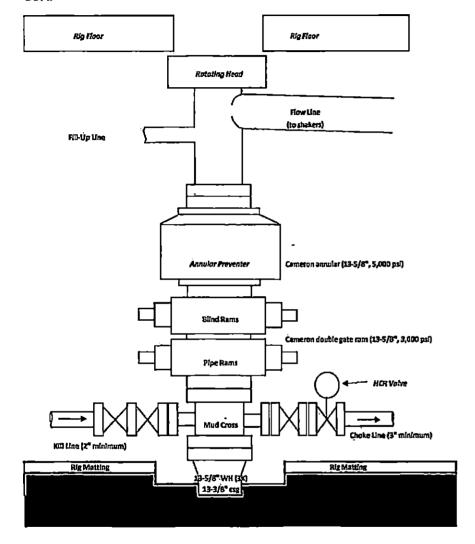
Casing Points

| Measured Depth (usft) | Vertical Depth (usft) | | Name | Casing Diameter (") | Hole Diameter (") | |
|-----------------------------|-----------------------------|---------|------|---------------------------|-------------------------|--|
| 350.0 | 350.0 | 13 3/8" | | 13-3/8 | 17-1/2 | |
| 4,512.3 | 3,740.0 | 9 5/8" | | 9-5/8 | 12-1/4 | |

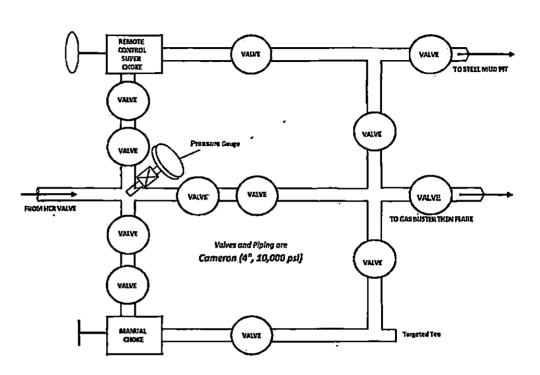
| ormations | | | | | | |
|-----------|-----------------------------|-----------------------------|-----------------|-----------|------------|-------------------------|
| | Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| | 287.0 | 287.0 | Ojo Alamo | | 0.00 | |
| | 408.0 | 408.0 | Kirtland | | 0.00 | |
| | 613.2 | 613.0 | Fruitland | | 0.00 | |
| | 982.1 | 968.0 | Pictured Cliffs | | 0.00 | |
| | 1,277.1 | 1,220.0 | Lewis | | 0.00 | |
| | 1,440.7 | 1,353.0 | Chacra | | 0.00 | |
| | 2,764.0 | 2,429.0 | Cliff House | | 0.00 | |
| | 2,771.4 | 2,435.0 | Menefee | | 0.00 | |
| | 4,149.7 | 3,415.0 | Point Lookout | | 0.00 | |
| | 4,404.3 | 3,640.0 | Mancos | | 0.00 | |
| | 4,658.2 | 3,870.0 | Gallup (MNCS_A) | | 0.00 | |
| | 4,782.4 | 3,970.0 | MNCS_B | | 0.00 | |
| | 4,978.0 | 4,095.0 | MNCS_Cms | | 0.00 | |

BOPE & CHOKE MANIFOLD DIAGRAMS

BOPE



CHOKE MANIFOLD



Directions from the Intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM to Enduring Resources, LLC Rodeo Unit #494H

225' FNL & 935' FWL, Section 31, T23N, R8W, N.M.P.M., San Juan County, NM

Latitude: 36.190010°N Longitude: 107.728343°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 38.7 miles to Mile Marker 112.7;

Go Right (Southerly) on County Road #7900 for 2.3 miles to fork in road;

Go Right (Westerly) on County Road #7940 for 2.6 miles to existing access road on right-hand side which continues for 1071.2' to Enduring Rodeo Unit #494H existing location.