State of New Mexico
Energy, Minerals and Natural Resources Department

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: _5/9/2019____
Well information;
Operator___Enduring_____, Well Name and Number_S Escavada Unit 368H___

API#__30-043-21331_____, Section_29, Township __22_ N/S, Range __6__E/W

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.
- ✓ Hold C-104 for directional survey & "As Drilled" Plat
- o Hold C-104 for: NSL, NSP, DHC, 5.9 Compliance
- o 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.
- ✓ Operator may not use OBM as a contingency for intermediate casing.

__Brandon Powell_____ ___4/15/2020____
NMOCD Approved by Signature Date

OCD Received
3/18/2020

Form 3160-3
(June 2015)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMNM119281

6. If Indian, Allotee or Tribe Name
EASTERN NAVAJO

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☑ Multiple Zone

7. If Unit or CA Agreement, Name and No.
NMNM130812A

8. Lease Name and Well No.
S ESCAVADA UNIT
368H

2. Name of Operator
ENDURING RESOURCES LLC

9. API Well No.
30-043-21331

3a. Address
1050 17TH ST STE 2500 DENVER CO 80265

3b. Phone No. *(include area code)*
(505)386-8205

10. Field and Pool, or Exploratory
RUSTY GALLUP / RUSTY GALLUP OIL F

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NENW / 160 FNL / 2190 FWL / LAT 36.116207 / LONG -107.493652

At proposed prod. zone NESE / 2335 FSL / 1000 FEL / LAT 36.138263 / LONG -107.521726

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 29 / T22N / R6W / NMP

14. Distance in miles and direction from nearest town or post office*
54.4 miles

12. County or Parish
SANDOVAL

13. State
NM

KP

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
20 feet

16. No of acres in lease
640

17. Spacing Unit dedicated to this well
481.26

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
160 feet

19. Proposed Depth
5131 feet / 16116 feet

20. BLM/BIA Bond No. in file
FED: NMB001492 / IND: RLB0016899

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
7028 feet

22. Approximate date work will start*
06/01/2019

23. Estimated duration
30 days

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.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
(Electronic Submission)	Lacey Granillo / Ph: (505)947-1704	05/09/2019

Title
Permitting Specialist

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
(Electronic Submission)	Richard Fields / Ph: (505)564-7612	03/18/2020

Title	Office
Field Manager	FARMINGTON

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.

AV

APPROVED

~~OCD Received~~
~~3/19/2020~~

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 03/18/2020

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
43-21331	52860	RUSTY GALLUP OIL POOL

4 Property Code	5 Property Name	6 Well Number
322151	S ESCAVADA UNIT	368H

7 OGRID No.	8 Operator Name	9 Elevation
372286	ENDURING RESOURCES, LLC	7028'

10 Surface Location

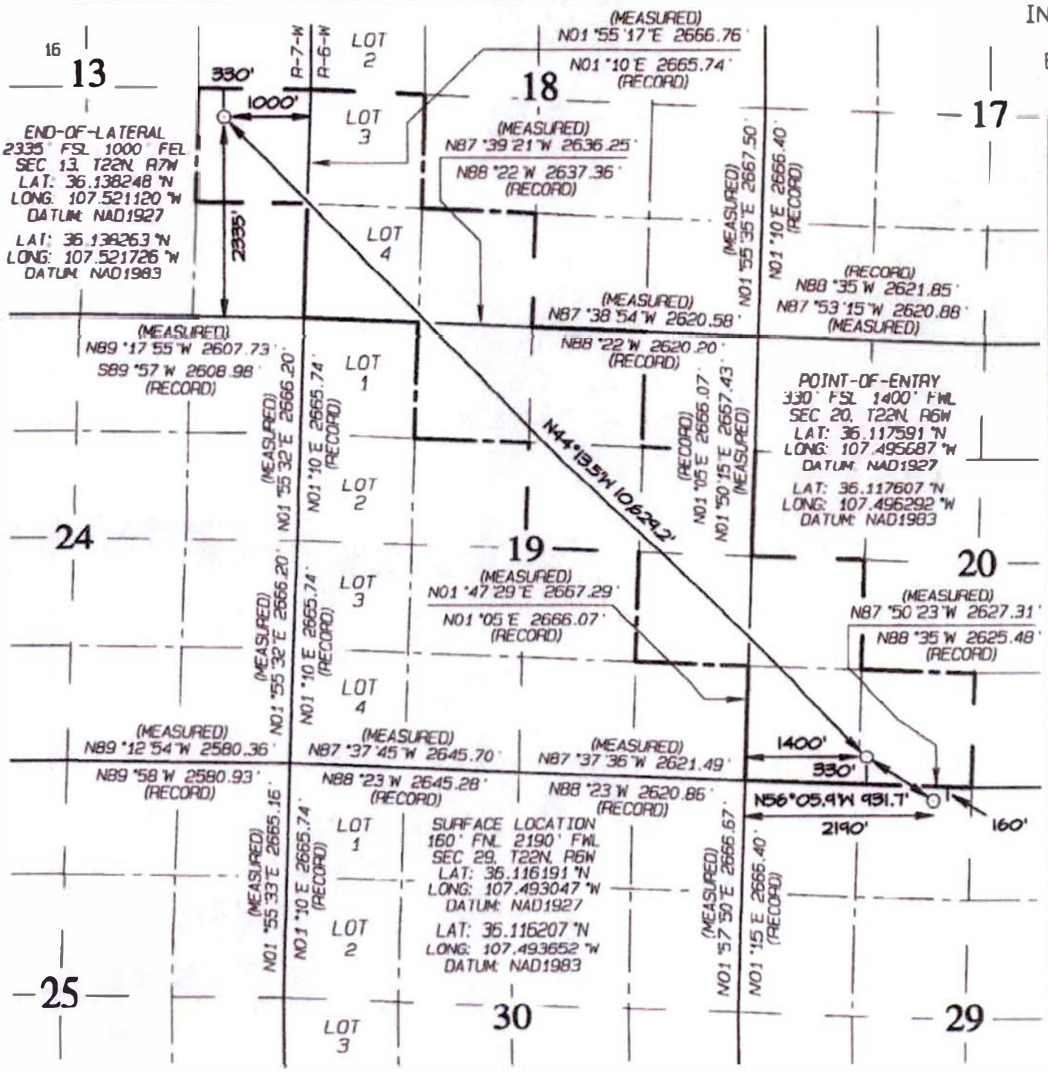
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	22N	6W		160	NORTH	2190	WEST	SANDOVAL

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	13	22N	7W		2335	SOUTH	1000	EAST	SANDOVAL

12 Dedicated Acres		13 Joint or Infill	14 Consolidation Code	15 Order No.
481.26	NE/4 SE/4 - Section 13 NE/4 NW/4, W/2 NE/4 SE/4 NE/4, NE/4 SE/4 - Section 19 W/2 SW/4, SE/4 SW/4 - Section 18 W/2 SW/4, SE/4 SW/4 - Section 20			R-14347

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



17 OPERATOR CERTIFICATION

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

Signature 5/9/19 Date

Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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

Date Revised: JANUARY 28, 2019
Survey Date: DECEMBER 12, 2018

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

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

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

WELL INFORMATION:

Name: **S EXCAVADA UNIT 368H**
API Number: **30-043**
State: New Mexico
County: Sandoval
Surface Elevation: 7,028 ft ASL (GL) 7,056 ft ASL (KB)
Surface Location: 29-22N-06W Sec-Twn-Rng 160 ft FNL 2,190 ft FWL
36.116207 ° N latitude 107.493652 ° W longitude (NAD 83)
BH Location: 13-22N-06W Sec-Twn-Rng 2,335 ft FSL 1,000 ft FEL
36.138263 ° N latitude 107.521726 ° W longitude (NAD 83)
Driving Directions: FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM: South on US Hwy 550 for 54.4 miles to MM 97.5; Right (S) on 550 on Indian Service Route #46 for 3.5 miles to fork; Right (S) on ISR #36 for 1.1 miles to fork; Right (S) on ISR #46 for 4.9 miles to fork; Right (W) on ISR #46 for 0.3 miles; Right (N) on access road into S Escavada Unit 368H Pad (Wells: 368H, 370H).

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	6,100	956	956	W	normal
Kirtland	6,010	1,046	1,046	W	normal
Fruitland	5,830	1,226	1,226	G, W	sub
Pictured Cliffs	5,550	1,506	1,506	G, W	sub
Lewis	5,405	1,651	1,651	G, W	normal
Chacra	5,163	1,893	1,893	G, W	normal
Cliff House	4,090	2,966	2,970	G, W	sub
Menefee	4,053	3,003	3,007	G, W	normal
Point Lookout	3,180	3,876	3,892	G, W	normal
Mancos	3,035	4,021	4,039	O,G	sub (~0.38)
Gallup (MNCS_A)	2,700	4,356	4,378	O,G	sub (~0.38)
MNCS_H	2,010	5,046	5,254	O,G	sub (~0.38)
P.O.E. TARGET	**1,980**	**5,076**	**5,486**	**O,G**	**sub (~0.38)**
B.H.L. TARGET	**1,925**	**5,131**	**16,116**	**O,G**	**sub (~0.38)**

Surface: Nacimiento
Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup
Pressure: Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations
Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft
Maximum anticipated BH pressure, assuming maximum pressure gradient: 2,210 psi
Maximum anticipated surface pressure, assuming partially evacuated hole: 1,090 psi
Temperature: **Maximum anticipated BHT is 130° F or less**

H_2S INFORMATION:

H_2S 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: Ensign

Rig No.: 773

Draw Works: Pacific Rim 1500AC

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

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

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

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

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

BOPE 2: Cameron annular (13-5/8", 10,000 psi)

Choke 3", 10,000 psi

KB-GL (ft): 28

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

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

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

FLUIDS AND SOLIDS CONTROL PROGRAM:

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

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

Fluid:

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

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:

	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					153	672	116,634	116,634
Min. S.F.					**7.39**	**4.06**	**7.31**	**7.79**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 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

Cement:

Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	Hole Cap. (cuft/ft)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Class G	15.8	1.180	5.24	0.6946	100%	0	412

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 (estimated minimum WOC time is 6 hours).

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

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

WELL INFORMATION:

Name: **S ESCAVADA UNIT**
API Number: **30-043**
State: New Mexico
County: Sandoval
Surface Elevation: 7,028 ft ASL (GL) 7,056 ft ASL (KB)
Surface Location: 29-22N-06W Sec-Twn-Rng 160 ft FNL 2,190 ft FWL
36.116207 ° N latitude 107.493652 ° W longitude (NAD 83)
BH Location: 13-22N-06W Sec-Twn-Rng 2,335 ft FSL 1,000 ft FEL
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Prognosis:

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B.H.L. TARGET	**1,925**	**5,131**	**16,116**	**O,G**	**sub (~0.38)**

Surface: Nacimiento
Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup
Pressure: Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations
Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft
Maximum anticipated BH pressure, assuming maximum pressure gradient: 2,210 psi
Maximum anticipated surface pressure, assuming partially evacuated hole: 1,090 psi
Temperature: **Maximum anticipated BHT is 130° F or less**

H_2S INFORMATION:

H_2S 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.

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					2,535	8,980	336,413	336,413
Min. S.F.					**2.94**	**1.18**	**1.62**	**1.32**

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: 5,660*

Casing Details: Float shoe, float collar, 2 jts casing, float collar, 1 jt casing, toe-intitiation 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:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Lead	G:POZ blend	12.3	1.960	10.11	50%	0	863
Tail	G:POZ blend	13.3	1.354	5.94	10%	4,378	2,185

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

FINISH WELL: ***ND BOP. RDMO Drilling Rig.***

COMPLETION AND PRODUCTION PLAN:

Frac: 60 plug-and-perf stages with 240,000 bbls slickwater fluid and 20,000,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assitance)
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling: 1/1/2020
Completion: 2/15/2020
Production: 3/16/2020

Prepared by: **Alec Bridge** **5/8/2019**

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

350 ft (MD)	to	**3,108** ft (MD)	Hole Section Length:	**2,758 ft**
350 ft (TVD)	to	**3,103** ft (TVD)	Casing Required:	**3,108 ft**

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

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					1,355	1,267	197,572	197,572
Min. S.F.					**1.49**	**2.78**	**2.85**	**2.29**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 3,900 Optimum: 5,200 Maximum: 6,500*

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:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Lead	G:POZ Blend	12.3	1.960	10.12	70%	0	723
Tail	Class G	15.8	1.148	4.98	20%	2,608	164

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

Calculated cement volumes assume gauge hole and the excess noted in table
Halliburton ECONOCEM & HALCEM cementing blend
Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out (estimated minimum WOC time for tail slurry is 6 hours).

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

3,108 ft (MD)	to	**16,116** ft (MD)	Hole Section Length:	**13,008 ft**
3,103 ft (TVD)	to	**5,131** ft (TVD)	Casing Required:	**16,116 ft**

Estimated KOP:	**4,600**	ft (MD)	**4,575**	ft (TVD)
Estimated Landing Point (P.O.E.):	**5,486**	ft (MD)	**5,076**	ft (TVD)
Estimated Lateral Length:	**10,630**	ft (MD)		

Fluid:	Type	MW (ppg)	FL (mL/30')	PV (cp)	YP (lb/100 sqft)	pH	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

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: Ensign

Rig No.: 773

Draw Works: Pacific Rim 1500AC

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

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

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

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

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

BOPE 2: Cameron annular (13-5/8", 10,000 psi)

Choke 3", 10,000 psi

KB-GL (ft): 28

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

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

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

FLUIDS AND SOLIDS CONTROL PROGRAM:

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

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

Fluid:

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

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:

	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					153	672	116,634	116,634
Min. S.F.					**7.39**	**4.06**	**7.31**	**7.79**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum:* *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

Cement:

Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	Hole Cap. (cuft/ft)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Class G	15.8	1.180	5.24	0.6946	100%	0	412

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 (estimated minimum WOC time is 6 hours).

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

350 ft (MD)	to	**3,108** ft (MD)	Hole Section Length:	**2,758 ft**
350 ft (TVD)	to	**3,103** ft (TVD)	Casing Required:	**3,108 ft**

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

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					1,355	1,267	197,572	197,572
Min. S.F.					**1.49**	**2.78**	**2.85**	**2.29**

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient
Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): *Minumum: 3,900 Optimum: 5,200 Maximum: 6,500*

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:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Lead	G:POZ Blend	12.3	1.960	10.12	70%	0	723
Tail	Class G	15.8	1.148	4.98	20%	2,608	164

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

Calculated cement volumes assume gauge hole and the excess noted in table
Halliburton ECONOCEM & HALCEM cementing blend
Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out (estimated minimum WOC time for tail slurry is 6 hours).

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

3,108 ft (MD)	to	**16,116** ft (MD)	Hole Section Length:	**13,008 ft**
3,103 ft (TVD)	to	**5,131** ft (TVD)	Casing Required:	**16,116 ft**

Estimated KOP:	**4,600**	ft (MD)	**4,575**	ft (TVD)
Estimated Landing Point (P.O.E.):	**5,486**	ft (MD)	**5,076**	ft (TVD)
Estimated Lateral Length:	**10,630**	ft (MD)		

Fluid:	Type	MW (ppg)	FL (mL/30')	PV (cp)	YP (lb/100 sqft)	pH	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					2,535	8,980	336,413	336,413
Min. S.F.					**2.94**	**1.18**	**1.62**	**1.32**

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: 5,660*

Casing Details: Float shoe, float collar, 2 jts casing, float collar, 1 jt casing, toe-intitiation 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:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Lead	G:POZ blend	12.3	1.960	10.11	50%	0	863
Tail	G:POZ blend	13.3	1.354	5.94	10%	4,378	2,185

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

FINISH WELL: ***ND BOP. RDMO Drilling Rig.***

COMPLETION AND PRODUCTION PLAN:

Frac: 60 plug-and-perf stages with 240,000 bbls slickwater fluid and 20,000,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow (ESP may be used for load recovery assitance)
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling: 1/1/2020
Completion: 2/15/2020
Production: 3/16/2020

Prepared by: **Alec Bridge** **5/8/2019**

Enduring Resources LLC

San Juan Basin - S Escavada Unit
368H Pad
368H

Wellbore #1

Plan: Design #1

Standard Planning Report

08 May, 2019

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project San Juan Basin - S Escavada Unit

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site 368H Pad, Sandoval County, New Mexico

Site Position:		**Northing:**	1,863,914.26 usft	**Latitude:**	36.116207°N
From:	Lat/Long	**Easting:**	1,273,097.78 usft	**Longitude:**	107.493652°W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0.73 °

Well 368H

Well Position	**+N/-S**	0.0 usft	**Northing:**	1,863,914.26 usft	**Latitude:**	36.116207°N
	+E/-W	0.0 usft	**Easting:**	1,273,097.78 usft	**Longitude:**	107.493652°W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	7,028.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.87	63.02	50,581.62588734

Design Design #1

Audit Notes:

Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	314.82

Plan Survey Tool Program **Date** 5/8/2019

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	16,115.7	Design #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,812.0	9.36	288.43	2,810.6	8.0	-24.1	3.00	3.00	0.00	288.43	
4,600.2	9.36	288.43	4,575.0	100.0	-300.0	0.00	0.00	0.00	0.00	368H KOP
5,376.1	84.43	314.39	5,070.4	441.7	-695.6	9.80	9.68	3.35	26.67	
5,486.2	89.70	315.77	5,076.0	519.6	-773.2	4.95	4.79	1.25	14.70	368H POE
16,115.7	89.70	315.77	5,131.0	8,136.5	-8,187.1	0.00	0.00	0.00	0.00	368H BHL

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8"									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
956.0	0.00	0.00	956.0	0.0	0.0	0.0	0.00	0.00	0.00
Ojo Alamo									
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,046.0	0.00	0.00	1,046.0	0.0	0.0	0.0	0.00	0.00	0.00
Kirtland									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,226.0	0.00	0.00	1,226.0	0.0	0.0	0.0	0.00	0.00	0.00
Fruitland									
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,506.0	0.00	0.00	1,506.0	0.0	0.0	0.0	0.00	0.00	0.00
Pictured Cliffs									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,651.0	0.00	0.00	1,651.0	0.0	0.0	0.0	0.00	0.00	0.00
Lewis									
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,893.0	0.00	0.00	1,893.0	0.0	0.0	0.0	0.00	0.00	0.00
Chacra									
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	3.00	288.43	2,600.0	0.8	-2.5	2.3	3.00	3.00	0.00
2,700.0	6.00	288.43	2,699.6	3.3	-9.9	9.4	3.00	3.00	0.00
2,800.0	9.00	288.43	2,798.8	7.4	-22.3	21.1	3.00	3.00	0.00
2,812.0	9.36	288.43	2,810.6	8.0	-24.1	22.8	3.00	3.00	0.00
2,900.0	9.36	288.43	2,897.4	12.6	-37.7	35.6	0.00	0.00	0.00
2,969.5	9.36	288.43	2,966.0	16.1	-48.4	45.7	0.00	0.00	0.00
Cliff House									
3,000.0	9.36	288.43	2,996.1	17.7	-53.1	50.2	0.00	0.00	0.00
3,007.0	9.36	288.43	3,003.0	18.1	-54.2	51.2	0.00	0.00	0.00
Menefee									
3,100.0	9.36	288.43	3,094.8	22.9	-68.6	64.7	0.00	0.00	0.00
3,108.3	9.36	288.43	3,103.0	23.3	-69.8	65.9	0.00	0.00	0.00
9 5/8"									

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,200.0	9.36	288.43	3,193.4	28.0	-84.0	79.3	0.00	0.00	0.00
3,300.0	9.36	288.43	3,292.1	33.1	-99.4	93.9	0.00	0.00	0.00
3,400.0	9.36	288.43	3,390.8	38.3	-114.8	108.4	0.00	0.00	0.00
3,500.0	9.36	288.43	3,489.5	43.4	-130.3	123.0	0.00	0.00	0.00
3,600.0	9.36	288.43	3,588.1	48.6	-145.7	137.6	0.00	0.00	0.00
3,700.0	9.36	288.43	3,686.8	53.7	-161.1	152.1	0.00	0.00	0.00
3,800.0	9.36	288.43	3,785.5	58.8	-176.5	166.7	0.00	0.00	0.00
3,891.8	9.36	288.43	3,876.0	63.6	-190.7	180.1	0.00	0.00	0.00
Point Lookout									
3,900.0	9.36	288.43	3,884.1	64.0	-192.0	181.3	0.00	0.00	0.00
4,000.0	9.36	288.43	3,982.8	69.1	-207.4	195.8	0.00	0.00	0.00
4,038.7	9.36	288.43	4,021.0	71.1	-213.4	201.5	0.00	0.00	0.00
Mancos									
4,100.0	9.36	288.43	4,081.5	74.3	-222.8	210.4	0.00	0.00	0.00
4,200.0	9.36	288.43	4,180.1	79.4	-238.3	225.0	0.00	0.00	0.00
4,300.0	9.36	288.43	4,278.8	84.6	-253.7	239.5	0.00	0.00	0.00
4,378.2	9.36	288.43	4,356.0	88.6	-265.8	250.9	0.00	0.00	0.00
Gallup (MNCS A)									
4,400.0	9.36	288.43	4,377.5	89.7	-269.1	254.1	0.00	0.00	0.00
4,489.7	9.36	288.43	4,466.0	94.3	-283.0	267.2	0.00	0.00	0.00
MNCS_B									
4,500.0	9.36	288.43	4,476.1	94.8	-284.5	268.7	0.00	0.00	0.00
4,575.9	9.36	288.43	4,551.0	98.7	-296.2	279.7	0.00	0.00	0.00
MNCS_C									
4,600.0	9.36	288.43	4,574.8	100.0	-300.0	283.3	0.00	0.00	0.00
4,600.2	9.36	288.43	4,575.0	100.0	-300.0	283.3	0.00	0.00	0.00
4,613.4	10.53	291.61	4,588.0	100.8	-302.1	285.3	9.80	8.88	24.08
MNCS_Cms									
4,700.0	18.62	302.25	4,671.8	111.1	-321.2	306.2	9.80	9.34	12.29
4,752.8	23.69	305.20	4,721.0	121.7	-337.0	324.9	9.80	9.59	5.57
MNCS_D									
4,800.0	28.25	306.97	4,763.4	133.9	-353.7	345.3	9.80	9.66	3.76
4,900.0	37.96	309.42	4,847.1	167.7	-396.5	399.5	9.80	9.71	2.45
4,924.4	40.33	309.86	4,866.0	177.6	-408.3	414.8	9.80	9.73	1.80
MNCS_E									
5,000.0	47.70	310.98	4,920.3	211.6	-448.3	467.1	9.80	9.75	1.49
5,001.0	47.79	311.00	4,921.0	212.1	-448.8	467.9	9.80	9.75	1.31
MNCS_F									
5,100.0	57.46	312.12	4,981.0	264.3	-507.6	546.3	9.80	9.76	1.14
5,109.3	58.37	312.22	4,986.0	269.6	-513.5	554.2	9.80	9.76	1.00
MNCS_G									
5,200.0	67.22	313.04	5,027.4	324.2	-572.7	634.7	9.80	9.77	0.91
5,254.0	72.50	313.48	5,046.0	358.9	-609.6	685.4	9.80	9.77	0.81
MNCS_H									
5,300.0	76.99	313.83	5,058.1	389.5	-641.7	729.8	9.80	9.77	0.77
5,376.1	84.43	314.39	5,070.4	441.7	-695.6	804.8	9.80	9.77	0.74
5,400.0	85.57	314.69	5,072.4	458.5	-712.6	828.6	4.95	4.79	1.26
5,486.2	89.70	315.77	5,076.0	519.6	-773.2	914.8	4.95	4.79	1.25
5,500.0	89.70	315.77	5,076.1	529.5	-782.8	928.5	0.00	0.00	0.00
5,600.0	89.70	315.77	5,076.6	601.2	-852.6	1,028.5	0.00	0.00	0.00
5,700.0	89.70	315.77	5,077.1	672.8	-922.3	1,128.5	0.00	0.00	0.00
5,800.0	89.70	315.77	5,077.6	744.5	-992.1	1,228.5	0.00	0.00	0.00
5,900.0	89.70	315.77	5,078.1	816.1	-1,061.8	1,328.5	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,000.0	89.70	315.77	5,078.7	887.8	-1,131.6	1,428.4	0.00	0.00	0.00
6,100.0	89.70	315.77	5,079.2	959.4	-1,201.3	1,528.4	0.00	0.00	0.00
6,200.0	89.70	315.77	5,079.7	1,031.1	-1,271.1	1,628.4	0.00	0.00	0.00
6,300.0	89.70	315.77	5,080.2	1,102.8	-1,340.8	1,728.4	0.00	0.00	0.00
6,400.0	89.70	315.77	5,080.7	1,174.4	-1,410.6	1,828.4	0.00	0.00	0.00
6,500.0	89.70	315.77	5,081.2	1,246.1	-1,480.3	1,928.4	0.00	0.00	0.00
6,600.0	89.70	315.77	5,081.8	1,317.7	-1,550.1	2,028.3	0.00	0.00	0.00
6,700.0	89.70	315.77	5,082.3	1,389.4	-1,619.8	2,128.3	0.00	0.00	0.00
6,800.0	89.70	315.77	5,082.8	1,461.1	-1,689.6	2,228.3	0.00	0.00	0.00
6,900.0	89.70	315.77	5,083.3	1,532.7	-1,759.3	2,328.3	0.00	0.00	0.00
7,000.0	89.70	315.77	5,083.8	1,604.4	-1,829.1	2,428.3	0.00	0.00	0.00
7,100.0	89.70	315.77	5,084.4	1,676.0	-1,898.8	2,528.3	0.00	0.00	0.00
7,200.0	89.70	315.77	5,084.9	1,747.7	-1,968.6	2,628.3	0.00	0.00	0.00
7,300.0	89.70	315.77	5,085.4	1,819.3	-2,038.3	2,728.2	0.00	0.00	0.00
7,400.0	89.70	315.77	5,085.9	1,891.0	-2,108.1	2,828.2	0.00	0.00	0.00
7,500.0	89.70	315.77	5,086.4	1,962.7	-2,177.8	2,928.2	0.00	0.00	0.00
7,600.0	89.70	315.77	5,086.9	2,034.3	-2,247.6	3,028.2	0.00	0.00	0.00
7,700.0	89.70	315.77	5,087.5	2,106.0	-2,317.3	3,128.2	0.00	0.00	0.00
7,800.0	89.70	315.77	5,088.0	2,177.6	-2,387.1	3,228.2	0.00	0.00	0.00
7,900.0	89.70	315.77	5,088.5	2,249.3	-2,456.8	3,328.2	0.00	0.00	0.00
8,000.0	89.70	315.77	5,089.0	2,321.0	-2,526.5	3,428.1	0.00	0.00	0.00
8,100.0	89.70	315.77	5,089.5	2,392.6	-2,596.3	3,528.1	0.00	0.00	0.00
8,200.0	89.70	315.77	5,090.0	2,464.3	-2,666.0	3,628.1	0.00	0.00	0.00
8,300.0	89.70	315.77	5,090.6	2,535.9	-2,735.8	3,728.1	0.00	0.00	0.00
8,400.0	89.70	315.77	5,091.1	2,607.6	-2,805.5	3,828.1	0.00	0.00	0.00
8,500.0	89.70	315.77	5,091.6	2,679.2	-2,875.3	3,928.1	0.00	0.00	0.00
8,600.0	89.70	315.77	5,092.1	2,750.9	-2,945.0	4,028.0	0.00	0.00	0.00
8,700.0	89.70	315.77	5,092.6	2,822.6	-3,014.8	4,128.0	0.00	0.00	0.00
8,800.0	89.70	315.77	5,093.1	2,894.2	-3,084.5	4,228.0	0.00	0.00	0.00
8,900.0	89.70	315.77	5,093.7	2,965.9	-3,154.3	4,328.0	0.00	0.00	0.00
9,000.0	89.70	315.77	5,094.2	3,037.5	-3,224.0	4,428.0	0.00	0.00	0.00
9,100.0	89.70	315.77	5,094.7	3,109.2	-3,293.8	4,528.0	0.00	0.00	0.00
9,200.0	89.70	315.77	5,095.2	3,180.8	-3,363.5	4,628.0	0.00	0.00	0.00
9,300.0	89.70	315.77	5,095.7	3,252.5	-3,433.3	4,727.9	0.00	0.00	0.00
9,400.0	89.70	315.77	5,096.3	3,324.2	-3,503.0	4,827.9	0.00	0.00	0.00
9,500.0	89.70	315.77	5,096.8	3,395.8	-3,572.8	4,927.9	0.00	0.00	0.00
9,600.0	89.70	315.77	5,097.3	3,467.5	-3,642.5	5,027.9	0.00	0.00	0.00
9,700.0	89.70	315.77	5,097.8	3,539.1	-3,712.3	5,127.9	0.00	0.00	0.00
9,800.0	89.70	315.77	5,098.3	3,610.8	-3,782.0	5,227.9	0.00	0.00	0.00
9,900.0	89.70	315.77	5,098.8	3,682.5	-3,851.8	5,327.8	0.00	0.00	0.00
10,000.0	89.70	315.77	5,099.4	3,754.1	-3,921.5	5,427.8	0.00	0.00	0.00
10,100.0	89.70	315.77	5,099.9	3,825.8	-3,991.3	5,527.8	0.00	0.00	0.00
10,200.0	89.70	315.77	5,100.4	3,897.4	-4,061.0	5,627.8	0.00	0.00	0.00
10,300.0	89.70	315.77	5,100.9	3,969.1	-4,130.8	5,727.8	0.00	0.00	0.00
10,400.0	89.70	315.77	5,101.4	4,040.7	-4,200.5	5,827.8	0.00	0.00	0.00
10,500.0	89.70	315.77	5,101.9	4,112.4	-4,270.3	5,927.8	0.00	0.00	0.00
10,600.0	89.70	315.77	5,102.5	4,184.1	-4,340.0	6,027.7	0.00	0.00	0.00
10,700.0	89.70	315.77	5,103.0	4,255.7	-4,409.8	6,127.7	0.00	0.00	0.00
10,800.0	89.70	315.77	5,103.5	4,327.4	-4,479.5	6,227.7	0.00	0.00	0.00
10,900.0	89.70	315.77	5,104.0	4,399.0	-4,549.3	6,327.7	0.00	0.00	0.00
11,000.0	89.70	315.77	5,104.5	4,470.7	-4,619.0	6,427.7	0.00	0.00	0.00
11,100.0	89.70	315.77	5,105.0	4,542.4	-4,688.8	6,527.7	0.00	0.00	0.00
11,200.0	89.70	315.77	5,105.6	4,614.0	-4,758.5	6,627.7	0.00	0.00	0.00
11,300.0	89.70	315.77	5,106.1	4,685.7	-4,828.2	6,727.6	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,400.0	89.70	315.77	5,106.6	4,757.3	-4,898.0	6,827.6	0.00	0.00	0.00
11,500.0	89.70	315.77	5,107.1	4,829.0	-4,967.7	6,927.6	0.00	0.00	0.00
11,600.0	89.70	315.77	5,107.6	4,900.6	-5,037.5	7,027.6	0.00	0.00	0.00
11,700.0	89.70	315.77	5,108.2	4,972.3	-5,107.2	7,127.6	0.00	0.00	0.00
11,800.0	89.70	315.77	5,108.7	5,044.0	-5,177.0	7,227.6	0.00	0.00	0.00
11,900.0	89.70	315.77	5,109.2	5,115.6	-5,246.7	7,327.5	0.00	0.00	0.00
12,000.0	89.70	315.77	5,109.7	5,187.3	-5,316.5	7,427.5	0.00	0.00	0.00
12,100.0	89.70	315.77	5,110.2	5,258.9	-5,386.2	7,527.5	0.00	0.00	0.00
12,200.0	89.70	315.77	5,110.7	5,330.6	-5,456.0	7,627.5	0.00	0.00	0.00
12,300.0	89.70	315.77	5,111.3	5,402.2	-5,525.7	7,727.5	0.00	0.00	0.00
12,400.0	89.70	315.77	5,111.8	5,473.9	-5,595.5	7,827.5	0.00	0.00	0.00
12,500.0	89.70	315.77	5,112.3	5,545.6	-5,665.2	7,927.5	0.00	0.00	0.00
12,600.0	89.70	315.77	5,112.8	5,617.2	-5,735.0	8,027.4	0.00	0.00	0.00
12,700.0	89.70	315.77	5,113.3	5,688.9	-5,804.7	8,127.4	0.00	0.00	0.00
12,800.0	89.70	315.77	5,113.8	5,760.5	-5,874.5	8,227.4	0.00	0.00	0.00
12,900.0	89.70	315.77	5,114.4	5,832.2	-5,944.2	8,327.4	0.00	0.00	0.00
13,000.0	89.70	315.77	5,114.9	5,903.9	-6,014.0	8,427.4	0.00	0.00	0.00
13,100.0	89.70	315.77	5,115.4	5,975.5	-6,083.7	8,527.4	0.00	0.00	0.00
13,200.0	89.70	315.77	5,115.9	6,047.2	-6,153.5	8,627.3	0.00	0.00	0.00
13,300.0	89.70	315.77	5,116.4	6,118.8	-6,223.2	8,727.3	0.00	0.00	0.00
13,400.0	89.70	315.77	5,116.9	6,190.5	-6,293.0	8,827.3	0.00	0.00	0.00
13,500.0	89.70	315.77	5,117.5	6,262.1	-6,362.7	8,927.3	0.00	0.00	0.00
13,600.0	89.70	315.77	5,118.0	6,333.8	-6,432.5	9,027.3	0.00	0.00	0.00
13,700.0	89.70	315.77	5,118.5	6,405.5	-6,502.2	9,127.3	0.00	0.00	0.00
13,800.0	89.70	315.77	5,119.0	6,477.1	-6,572.0	9,227.3	0.00	0.00	0.00
13,900.0	89.70	315.77	5,119.5	6,548.8	-6,641.7	9,327.2	0.00	0.00	0.00
14,000.0	89.70	315.77	5,120.1	6,620.4	-6,711.5	9,427.2	0.00	0.00	0.00
14,100.0	89.70	315.77	5,120.6	6,692.1	-6,781.2	9,527.2	0.00	0.00	0.00
14,200.0	89.70	315.77	5,121.1	6,763.8	-6,851.0	9,627.2	0.00	0.00	0.00
14,300.0	89.70	315.77	5,121.6	6,835.4	-6,920.7	9,727.2	0.00	0.00	0.00
14,400.0	89.70	315.77	5,122.1	6,907.1	-6,990.5	9,827.2	0.00	0.00	0.00
14,500.0	89.70	315.77	5,122.6	6,978.7	-7,060.2	9,927.2	0.00	0.00	0.00
14,600.0	89.70	315.77	5,123.2	7,050.4	-7,129.9	10,027.1	0.00	0.00	0.00
14,700.0	89.70	315.77	5,123.7	7,122.0	-7,199.7	10,127.1	0.00	0.00	0.00
14,800.0	89.70	315.77	5,124.2	7,193.7	-7,269.4	10,227.1	0.00	0.00	0.00
14,900.0	89.70	315.77	5,124.7	7,265.4	-7,339.2	10,327.1	0.00	0.00	0.00
15,000.0	89.70	315.77	5,125.2	7,337.0	-7,408.9	10,427.1	0.00	0.00	0.00
15,100.0	89.70	315.77	5,125.7	7,408.7	-7,478.7	10,527.1	0.00	0.00	0.00
15,200.0	89.70	315.77	5,126.3	7,480.3	-7,548.4	10,627.0	0.00	0.00	0.00
15,300.0	89.70	315.77	5,126.8	7,552.0	-7,618.2	10,727.0	0.00	0.00	0.00
15,400.0	89.70	315.77	5,127.3	7,623.6	-7,687.9	10,827.0	0.00	0.00	0.00
15,500.0	89.70	315.77	5,127.8	7,695.3	-7,757.7	10,927.0	0.00	0.00	0.00
15,600.0	89.70	315.77	5,128.3	7,767.0	-7,827.4	11,027.0	0.00	0.00	0.00
15,700.0	89.70	315.77	5,128.8	7,838.6	-7,897.2	11,127.0	0.00	0.00	0.00
15,800.0	89.70	315.77	5,129.4	7,910.3	-7,966.9	11,227.0	0.00	0.00	0.00
15,900.0	89.70	315.77	5,129.9	7,981.9	-8,036.7	11,326.9	0.00	0.00	0.00
16,000.0	89.70	315.77	5,130.4	8,053.6	-8,106.4	11,426.9	0.00	0.00	0.00
16,100.0	89.70	315.77	5,130.9	8,125.3	-8,176.2	11,526.9	0.00	0.00	0.00
16,115.7	89.70	315.77	5,131.0	8,136.5	-8,187.1	11,542.6	0.00	0.00	0.00

Database:	EDM	**Local Co-ordinate Reference:**	Well 368H
Company:	Enduring Resources LLC	**TVD Reference:**	KB @ 7056.0usft (Original Well Elev)
Project:	San Juan Basin - S Escavada Unit	**MD Reference:**	KB @ 7056.0usft (Original Well Elev)
Site:	368H Pad	**North Reference:**	Grid
Well:	368H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
368H KOP - plan hits target center - Point	0.00	360.00	4,575.0	100.0	-300.0	1,864,014.26	1,272,797.78	36.116471°N	107.494672°W
368H POE - plan hits target center - Point	0.00	0.00	5,076.0	519.6	-773.2	1,864,433.90	1,272,324.54	36.117607°N	107.496292°W
368H BHL - plan hits target center - Point	0.00	360.00	5,131.0	8,136.5	-8,187.1	1,872,050.77	1,264,910.65	36.138263°N	107.521726°W

Casing Points

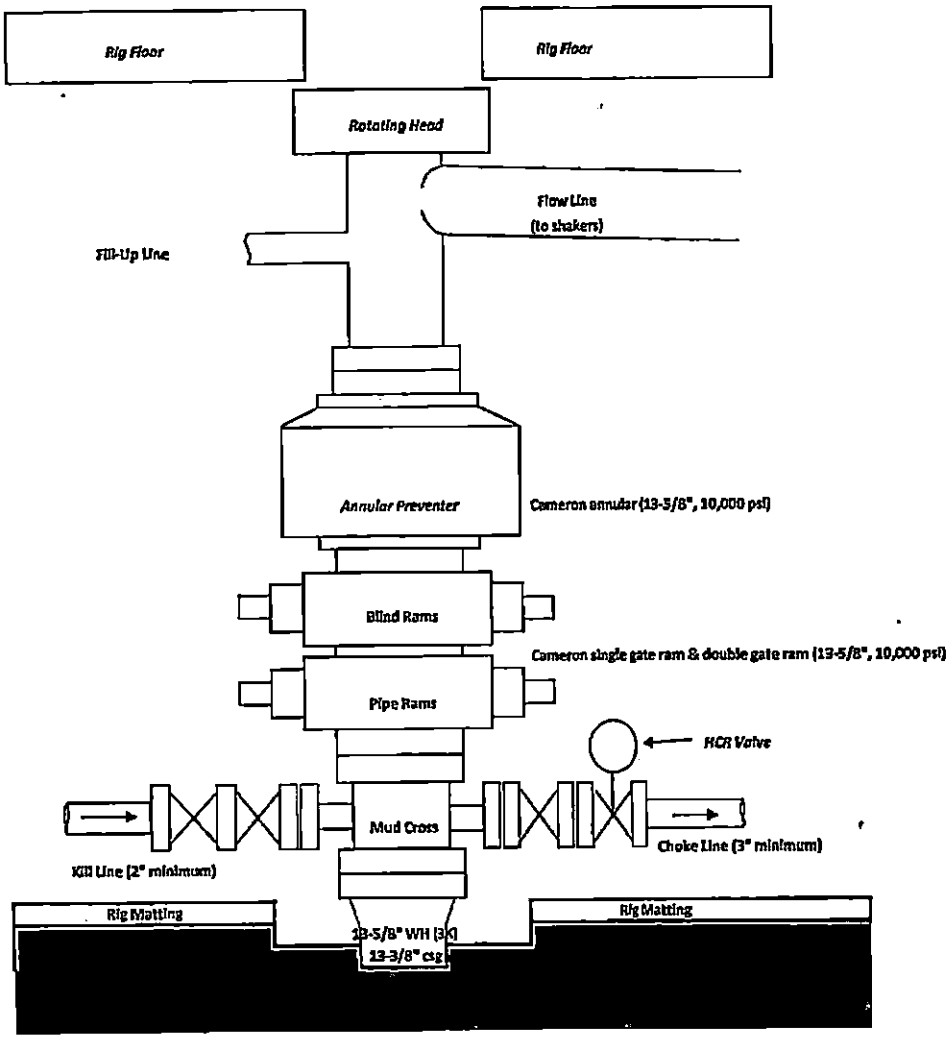
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
350.0	350.0	13 3/8"	13-3/8	17-1/2
3,108.3	3,103.0	9 5/8"	9-5/8	12-1/4

Formations

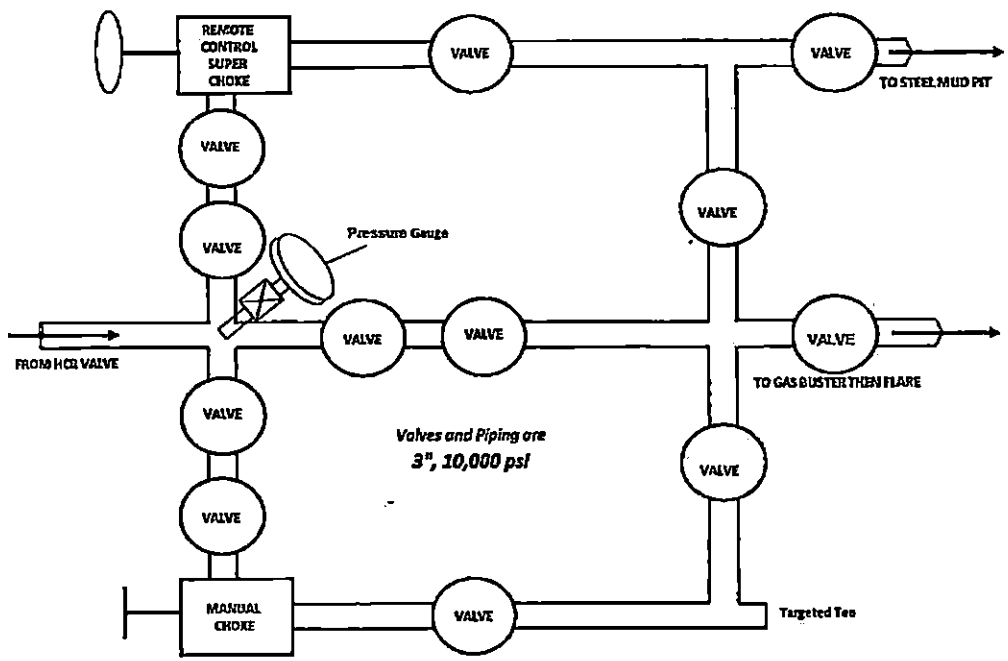
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
956.0	956.0	Ojo Alamo		0.00	
1,046.0	1,046.0	Kirtland		0.00	
1,226.0	1,226.0	Fruitland		0.00	
1,506.0	1,506.0	Pictured Cliffs		0.00	
1,651.0	1,651.0	Lewis		0.00	
1,893.0	1,893.0	Chacra		0.00	
2,969.5	2,966.0	Cliff House		0.00	
3,007.0	3,003.0	Menefee		0.00	
3,891.8	3,876.0	Point Lookout		0.00	
4,038.7	4,021.0	Mancos		0.00	
4,378.2	4,356.0	Gallup (MNCS A)		0.00	
4,489.7	4,466.0	MNCS_B		0.00	
4,575.9	4,551.0	MNCS_C		0.00	
4,613.4	4,588.0	MNCS_Cms		0.00	
4,752.8	4,721.0	MNCS_D		0.00	
4,924.4	4,866.0	MNCS_E		0.00	
5,001.0	4,921.0	MNCS_F		0.00	
5,109.3	4,986.0	MNCS_G		0.00	
5,254.0	5,046.0	MNCS_H		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 S Escavada Unit #368H

160' FNL & 2190' FWL, Section 29, T22N, R6W, N.M.P.M., Sandoval County, NM

Latitude: 36.116207°N Longitude: 107.493652°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 54.4 miles to Mile Marker 97.5;

Go Right (Southerly) exiting US Hwy #550 onto Indian Service Route #46 for 3.5 miles to fork in roadway;

Go Right (Southerly) which is straight remaining on Indian Service Route #46 for 1.1 miles to fork in roadway;

Go Right (Southerly) which is straight remaining on Indian Service Route #46 for 4.9 miles to fork in roadway;

Go Right (Westerly) exiting Indian Service Route #46 for 0.3 miles to begin proposed access on right-hand side of roadway which continues for an additional 135.1' to staked Enduring S Escavada Unit #368H location.