State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

Ken McQueen Cabinet Secretary

Matthias Sayer Deputy Cabinet Secretary Heather Riley, 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 3160-4 or 3160-5 form.

Operator Signature Date: Well information:
Enduring Resources, LLC
Well Name: S Escavada Unit #352H
API # 30-043-21323
Application Type:
☐ P&A ☐ Drilling/Casing Change ☐ Location Change
Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)
Other: Change Well Name
Conditions of Approval:
Name change for this well is Denied. All wells within a unit must contain the same well Name and Property code. The well will stay the S Escavada Unit #352H. Change of Plans has been reveiwed and approved.

NMOCD Approved by Signature

7/19/18 Date Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

I Oldal M	THOYLD
OMB No.	1004-0137
Expires: Janu	uary 31, 201

SUNDRY	NOTICES	AND	REPORTS	ON WELLS	nington	Field O
					C 1	J R A m m m

Do not use this form for proposals to drill or to reanter and Mana

5. Lease Serial No. NO-G-1312-1823 6. If Indian, Allottee or Tribe Name

	vell. Use Form 3160-3 (A		roposals.	" Whom		
SUBM	IT IN TRIPLICATE - Other instru	uctions on page 2	nm0GD	7. If Unit of CA/Agreeme South Escayada Unit	ent, Name and/or	No.
Type of Well ⊠Oil Well	☐Gas Well ☐Other	JU	N 1 9 2018	8. Well Name and No. S Escavada Unit 2207-26	F 02LH	
2. Name of Operator Enduring Resources LLC		DIST	RICT III	9. API Well No. 30-043-21323		
3a. Address 332 Cr 2100 Aztec, NM 874	10	3b. Phone No. (include 505-636-9743	de area code)	10. Field and Pool or Exp Rusty Gallup Oil Pool	loratory Area	
4. Location of Well <i>(Footage, Sec</i> SHL: 1724' FNL & 2332' FWL SE BHL: 2319' FSL & 1614' FWL SE				11. Country or Parish, Sta Sandoval, NM	nte	
12.	CHECK THE APPROPRIATE B	OX(ES) TO INDICAT	E NATURE OF NO	TICE, REPORT OR OTHER	DATA	
TYPE OF SUBMISSION			TYPE OF A	CTION		
Notice of Intent	Acidize	Deepen		roduction (Start/Resume)	☐ Water S	ShutOff
Modec of intent	☐Alter Casing	☐ Hydraulic Fractu	uring F	Reclamation	☐Well In	tegrity
Subsequent Report	☐Casing Repair	☐ New Constructi	ion DF	Recomplete	Other	Change in
☐Final Abandonment Notice	☑ Change Plans	☐ Plug and Aband	don \square	Temporarily Abandon		plans/Change well name
I mar Abandonment Notice	Convert to Injection	☐Plug Back		Vater Disposal		
completion or recompletion in a ne	BLM/BIA. Required subsequent reports we interval, a Form 3160-4 must be filed and the operator has detennined that the	d once testing has been co				
ttached: Updated C102, direc	sts to change the well name fr tional plan, ops plan, wellbor ing is true and correct. Name (Prin	e diagram and BOP		ACTION DOES NOT	RELIEVE THE OBTAINING AN EQUIRED FOI	E LESSEE AND NY OTHER R OPERATIONS
Lacey Granillo	ing is true and correct. Name (Frii					
()		Title:	Permitting Special	ist		
Signature		Date:	6/12/18			
	THE SPACE	FOR FEDERA	L OR STATE (OFICE USE		
Approved by William	Tambekon		Title Tetroleu.	m Engineer Dat	e 6/10	8/2018
	e attached. Approval of this notice cal or equitable title to those rights to conduct operations thereon.		Office FFO	0		

ADHERE TO PREVIOUS NMOCD CONDITIONS OF APPROVAL

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.

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

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

14	PI Number			Pool Coo	ie		³Pool Nam	е			
30-043-8	30-043-21323 52860 RUSTY GALLUP OIL POOL										
*Property	Code					³Property Name				°Well Number O2LH	
						IDA UNIT 2207–261	F				
OGRID No.					*Operato	or Name			a E	Elevation	
37228	372286				ENDURING	RESOURCES, LL	.C			6776	
					¹⁰ Surface	Location					
UL or lat no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County	
F	26	25N	7W		1724	NORTH	2332	WES	T	SANDOVAL	
		1	Botto	m Hole	Location I	f Different	From Surfac	е			
UL or lat na.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County	
K	55	55N	7W		2319	SOUTH	1614	WES	iΤ	SANDOVAL	
Dedicated NE/4 SW/4, W/2 SE/4 280.00 SE/4 SE/4 - Section 22			¹³ Joint or Infill	¹⁴ Consolidation Code	15 Order No.	-14347					
W/2 NW/4 - Section 26 NE/4 NE/4 - Section 27									ILL BE ASSI		

(RECORD) N88 *11 W 2617.23 (RECORD) N88 °11 W 2617.23 (RECORD) (RECORD) N89 *45 W 2614.26 N87 *24 '56 "W 2616.03" (MEASURED) N89 *45 W 2614.26 N87 °25 '30 'W 2616.94 (MEASURE D) N88 *59 15 "W 2612.55 (MEASURE D) N89 *00 '14 'W 2613.00 (MEASURE'D) (RECORD) NO.1*23 W 2640.00° NO.*38*12"W 2639.52 (MEASURED) END-O F-LATERAL 2319' FSL 1614' FWL SEC 22. T22N. R7W LAT: 36.124022'N LONG, 107.555285'W DATUM: NAD1927 89 13 97 46 "19:27"E 2659.9 (MEASURED) (MEASURED) NO '49 31"E 2657 2660.3 CORD) 2660. OA E LAT: 36.124037 °N LONG: 107.565892 °W 35 00 DATUM: NAD1983 ON 9 NO1 (RECORD) NO *21 E 2644.62 NO 1*06 40 E 2644.92 (MEASURED) 332 23 1614 (RECORD) NO °04 E 2660.13 · (MEASURED) 97 E. 46 19'28'E 2659' 2660. 2319 35 E (RECORD) N89 *40 W 2590.17 2 . ON NOT NB8 °56 '44 'W 2589.61 (MEASUMED) (MEASURED) N88 °56 '44 'W 2589.61 NO3 *11 E 2706.66 NO3 *57 58 'E 2705.78 (MEASURED) (MEASURED) N87 *02 '49 "W 2591.06 N89 *40 W 2590.17 (RECORD) N87 °50 W 2590.50 (RECORD) 34 (RECORD) NO1 "52 E 2661 78 2203 3 E 2662. 4SURED) (MEASURE D) N87 °03 20"W 2588.86 (MEASURED) NO2 °28'48'E 2663.67 35 35 (MFAS 2332 567°183W N87 °50 W 2590.50 (RECORD) NO2 °31 E 2662.77 202 1075 NO3*11 E 2706.66 · NO3*57 37 E 2705.34 · NA3*57 37 E 2705.34 · NEASURED) 26 PO INT-OF-ENTRY 2283 FNL 1075 FWL SEC 26, T22N, R7W LAT: 36.111001 N LONG: 107.549863 W (MEASURED) 2 *28 *48 *E 2663.67 * 32 *31 E 2662.77 * (RECORD) (RECORD) '52' E 2661.78 24 SURFACE LOCATION 1724 FNL 2332 FWL SEC 26, T22N, R7W LAT: 36.112519 N LONG: 107.545553 W "35 35 TE 2662 3 (MEASURED) DATUM: NAD1927 NO1 52 E LAT: 36.111017 °N LONG: 107.550469 °W DATUM: NAD1983 DATUM: NAD 1927 NO2 : LAT: 36.112535 N LONG: 107.546159W DATUM: NAD1983 (MEASURED) NB8 "00" 38"W 2522.88 (ME ASURED) N87 *5.3'03"W 2697.07 (MEASURED) N89 °02 '07 'W 2546 .19 ' N89 °40 W 2622 .18 ' (MEASURED) N88 *55 '36 "W 2622 63 NBB °45 W 2623.83 N88 *45 W 2623.83 (AECORD) N89 *40 W 2622.18 (RECORD)

(RECORD)

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 Gallup formation

WELL INFORMATION:

Name: S Escavada Unit 2207-26F-02LH

API Number: 30-043-21323 State: New Mexico

County: Sandoval

Surface Elevation:

6,776 ft ASL (GL)

6,798 ft ASL (KB)

Surface Location: 26-22N-07W Sec-Twn-Rng

1,724 ft FNL

2.332 ft FWL

36.112535 ° N latitude 107.546159 ° W longitude

(NAD 83)

BH Location: 22-22N-07W Sec-Twn-Rng

2.319 ft FSL

1.614 ft FWL

36.124037 ° N latitude 107.565285 ° W longitude

(NAD 83)

Driving Directions: From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM: south on 550 for 53.6 miles to MM 97.7, right (south) on Indian Service Route 474 for 4.6 miles to fork, right (west) continuing on 474 for 2.5 miles to fork, right (west) for 0.4 miles to fork, right (west) for 0.9 miles to 4-way intersection, straight (west) for 1.2 miles to 4-way intersection, left (south) at for 1.7 miles to 4-way intersection, straight (south) for 1.9 miles to fork, left (south) for 0.4 miles to 4-way intersection, straight (south) for 0.3 miles to proposed access on left side of road, continue

approximately 1 mile to location.

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O/G/W	Pressure
Ojo Alamo	6,280	518	518	W	normal
Kirtland	6,015	783	784	W	normal
Fruitland	5,966	832	833	G, W	normal
Pictured Cliffs	5,651	1,147	1,153	G, W	normal
Lewis	5,438	1,360	1,374	G, W	normal
Chacra	5,293	1,505	1,527	G, W	normal
Cliff House	4,915	1,883	1,929	G, W	normal
Menefee	4,225	2,573	2,664	G, W	normal
Point Lookout	3,280	3,518	3,670	G, W	normal
Mancos	3,025	3,773	3,942	O,G	normal
Gallup (MNCS. A)	2,825	3,973	4,155	O,G	normal
Gallup (Target Depth)	2,085	4,713	5,317	O,G	normal
PROJECTED WELL TD	2,055	4,743	11,891	O,G	normal

Surface: Nacimiento

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

Pressure: Normal pressure gradient (0.43 psi/ft) 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: 2,030 psi Maximum anticipated surface pressure, assuming partially evacuated hole: 1,000 psi

Temperature: Maximum anticipated BHT is 165° F or less

H₂S INFORMATION:

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

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

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; remote geo-steering from drill out of 9-5/8" casing to TD; gas chromatograph from drillout of 13-3/8"

casing to TD.

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

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

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

DRILLING RIG INFORMATION:

Contractor: 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", 5,000 psi)

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

Choke Cameron (4", 10,000 psi)

KB-GL (ft): 22

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 5,000 psi for 10 minutes, and the annular preventer will be tested to 2,500 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
- 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.

	- 1 11			
0 ft (MD)	to	240 ft ft (MD)	Hole Section Length:	240 ft
0 ft (TVD)	to	240 ft ft (TVD)	Casing Required:	220 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) Fluid: Type MW (ppg) PV (cp) (lb/100 sqft) pH Comments 2 - 12 9.0 Fresh Water 8.4 N/C 2 - 8 Spud mud

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, run gyro survey after drilling

Logging: None

							Tens. Body	Tens. Conn
Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	(lbs)	(lbs)
Specs	13.375	54.5	J-55	STC	1,130	2,730	853,000	514,000
Loading					105	565	111,406	111,406
Min. S.F.					10.78	4.84	7.66	4.61

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

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling

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:

Optimum:

5,140

Maximum:

6,430

Casing Details: Guide shoe, single-valve float collar, 1 jt casing, double-valve float collar, landing collar, casing to surface

3,860

Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

Cement:

			Yield	Water	Hole Cap.		Planned TOC	Total Cmt
t:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)
	Class G	15.8	1.174	5.15	0.6946	100%	0	284

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, install wellhead.

-					
	220 ft (MD)	to	2,717 ft (MD)	Hole Section Length:	2,497 ft
	220 ft (TVD)	to	2,623 ft (TVD)	Casing Required:	2,717 ft

FL YP Fluid: MW (ppg) (mL/30 min) PV (cp) (lb/100 saft) Type На Comments WBM 8.8 - 9.5 8 - 14 9.0 - 9.5**OBM** as contingency 8 - 14

Hole Size: 12-1/4"

Bit / Motor: PDC w/mud motor

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

Logging: None

Pressure Test: NU BOPE and test (as noted above); pressure test 13-3/8" casing to

1,500 psi for 30 minutes.

Note: The intermediate hole section may be drilled with a 2,000 psi annular preventer only (no blind or pipe rams).

Maximum anticipated surface pressure while drilling intermediate hole section is

560 ps

Casing Specs:
Specs
Loading

Min. S.F.

ſ							Tens. Body	Tens. Conn
1		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	(lbs)	(lbs)
	9.625	36.0	J-55	LTC	2,020	3,520	564,000	453,000
					1,146	1,150	185,297	185,297
					1.76	3.06	3.04	2.44

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

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production

hole and 8.4 ppg equivalent external pressure gradient

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

MU Torque (ft lbs):

Minumum:

3,400 Optimum:

4,530

Maximum:

5,660

Casing Details: Guide shoe, single-valve float collar, 1 jt casing, double-valve float collar, landing collar, casing to surface, 11" 5K API-

certified wellhead

Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 3 jts to surface

			Yield	Water	Hole Cap.		Planned TOC	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)
Lead	G:POZ Blend	12.3	1.987	10.16	0.3132	40%	0	489
Tail	Class G	15.8	1.148	4.98	0.3132	10%	2,217	150

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.

2,717	ft (MD)	to	11,891 ft (MD)	Hole Section Length:	9,174 ft
2,623	ft (TVD)	to	4,713 ft (TVD)	Casing Required:	11,891 ft

YP Fluid: MW (ppg) FL (mL/30') (lb/100 sqft) Type PV (cp) Hq Comments **WBM** 20 8 - 14 9.0 - 9.58.8 - 9.58 - 14 **OBM** as contingency

Hole Size: 8-1/2"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD with GR, inclination, and azimuth (survey every joint from KOP to Landing Point and survey every 100'

minimum before KOP and after Landing Point)

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

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to

Wt (lb/ft)

17.0

1,500

psi for 30 minutes.

Tens. Conn

(lbs)

445,000

Tens. Body

(lbs)

546,000

Casing Specs:

Specs

Loading Min. S.F.

2,328 8,941 274,435 274,435 3.20 1.19 1.99 1.62 Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)

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

Collapse (psi)

7,460

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:

Size (in)

5.500

3,470

Optimum:

5,780

Burst (psi)

10,640

Grade

P-110

4,620

Conn.

LTC

Maximum:

Casing Details: Guide shoe, single-valve float collar, 1 it casing, double-valve float collar, 1 it casing, landing collar, toe-intitiation sleeve x 2, casing to surface with 4 - 20' marker joints spaced evenly in lateral and 1 - 20' marker joint at KOP. The toe-initiation sleeves will be positioned inside the applicable unit setback.

Centralizers: Lateral: 1 centralizer every 2 joints at a minimum (will evalutate running additional centralizers based on surveys)

Curve: 1 centralizer every joint from landing point to KOP

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

			Yield	Water	Hole Cap.		Planned TOC	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)
Lead	G:POZ blend	12.3	1.987	10.16	0.2691	40%	0	775
Tail	G:POZ blend	13.3	1.354	5.94	0.2291	10%	4,328	1,408

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 applicable 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). Order number for South Escavada Unit is R-14347.

FINISH WELL: ND BOP, NU WH with BPV and cap, RDMO.

COMPLETION AND PRODUCTION PLAN:

Frac: Lateral will be fracture-stimulated in approximately 30 plug-and-perf stages with approximately 200,000 bbls

slickwater fluid and 10,000,000 lbs of proppant.

Flowback: Depending on well pressures, flow back may be either up 5-1/2" casing or 2-7/8" production tubing. Well will be

flowed back until proppant volumes are low enough that the well can safely be produced through permanent

production facilities.

Production: Well will produce up production tubing via gas-lift into permanent production and storage facilities.

ESTIMATED START DATES:

Drilling:

8/1/2017

Completion:

9/15/2017

Production:

10/15/2017

Prepared by:

Alec Bridge

6/8/2018

WELL NAME: S Escavada Unit 2207-26F-02LH

OBJECTIVE: Drill, complete, and equip single lateral in the Gallup formation

API Number: 30-043-21323
State: New Mexico
County: Sandoval

Surface Elev.: 6,776 ft ASL (GL)

76 ft ASL (GL) 6,798 ft ASL (KB)

Surface Location: 26-22N-07W Sec-Twn- Rng
BH Location: 22-22N-07W Sec-Twn- Rng

1,724 ft FNL 2319 ft FSL

2,332 ft FWL 1614 ft FWL

Driving Directions: From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM: south on 550 for 53.6 miles

to MM 97.7, right (south) on Indian Service Route 474 for 4.6 miles to fork, right (west) continuing on 474 for 2.5 miles to fork, right (west) for 0.4 miles to fork, right (west) for 0.9 miles to 4-way

intersection, straight (west) for 1.2 miles to 4-way intersection, left (south) at for 1.7 miles to 4-way intersection, straight (south) for 1.9 miles to fork, left (south) for 0.4 miles to 4-way intersection, straight (south) for 0.3 miles to proposed access on left side of road, continue

approximately 1 mile to location.

QUIC	CK REFERENC	E
Sur csg (MD)	220	ft
Int csg (TVD)	2,623	ft
Int csg (MD)	2,717	ft
KOP (TVD)	4,328	ft
KOP (MD)	4,533	ft
Curve BUR	10	°/100 ft
Target (TVD)	4,713	ft
LP/POE (MD)	5,368	ft
TD (MD)	11,891	ft
Lat Len	6,523	ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	240	13.375	54.5	J-55	STC	0	220
Intermediate	12.250	2,717	9.625	36.0	J-55	LTC	0	2,717
Production	8.500	11,891	5.500	17.0	P-110	LTC	0	11,891

CEMENT PROPERTIES SUMMARY:

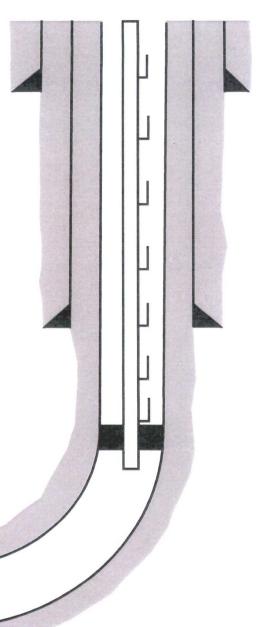
					Hole Cap.		TOC	
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	(cuft/ft)	% Excess	(ft MD)	Total (sx)
Surface	Class G	15.8	1.174	5.15	0.6946	100%	0	284
Inter. (Lead)	G:POZ Blend	12.3	1.987	10.16	0.3132	40%	0	489
Inter. (Tail)	Class G	15.8	1.148	4.98	0.3132	10%	2,217	150
Prod. (Lead)	G:POZ blend	12.3	1.987	10.16	0.2691	40%	0	775
Prod. (Tail)	G:POZ blend	13.3	1.354	5.94	0.2291	10%	4,328	1,408

COMPLETION / PRODUCTION SUMMARY:

Frac: 30-stage (+/-) plug-and-perf frac with slick water and 12,000,000 lbs (+/-) proppant

Flowback: Flow up 5-1/2" casing or 2-7/8" tubing until returns are free of sand

Production: 2-7/8" tubing with packer set in 5-1/2" casing and gas-lift mandrels as needed





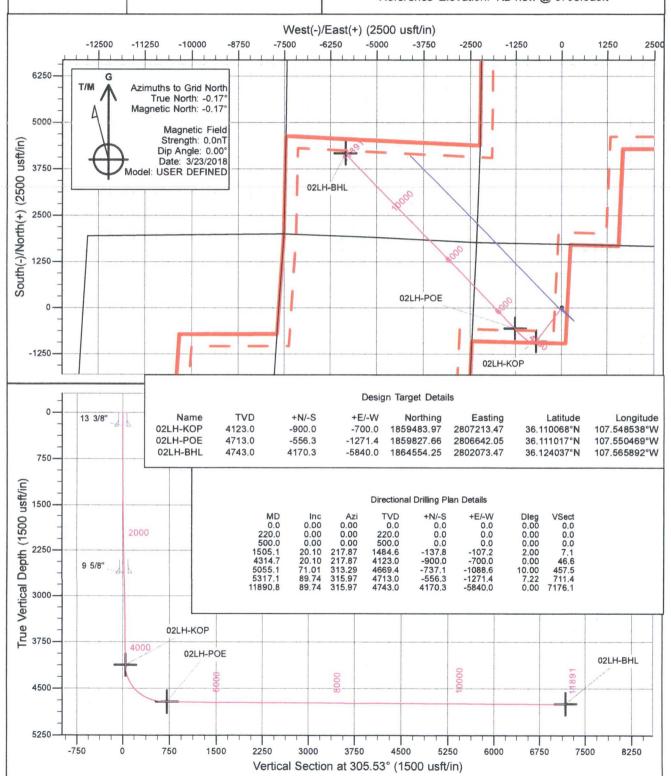
Enduring Resources LLC

Directional Drilling Plan Plan View & Section View

S Escavada Unit 2207-26F-02LH

Sandoval Co., New Mexico T22N-R07W-Sec. 26-Lot F Surface Latitude: 36.112535°N Surface Longitude: 107.546159°W

Ground Level: 6776.0 Reference Elevation: KB new @ 6798.0usft





Enduring Resources LLC

San Juan Basin - South Escavada Unit 2207-26F 02LWH

Wellbore #1

Plan: Design #1

Standard Planning Report

08 June, 2018

San Juan Basin - South Escavada Unit Project

Map System:

US State Plane 1983

Geo Datum: Map Zone:

North American Datum 1983 New Mexico Western Zone

System Datum:

Mean Sea Level

Site 2207-26F, Sandoval Co., New Mexico

Site Position:

02LWH

Northing:

1,860,389.12 usft

Latitude:

36.112549°N

From:

Lat/Long

Easting:

2,807,932.66 usft

Longitude:

0.17°

Position Uncertainty:

0.0 usft

Slot Radius:

13-3/16 "

Grid Convergence:

107.546094°W

Well Position

Well

+N/-S +E/-W -19.2 usft

-5.2 usft Northing: Easting:

1,860,383.97 usft 2,807,913.48 usft Latitude: Longitude:

36.112535°N 107.546159°W

Position Uncertainty

0.0 usft

Wellhead Elevation:

Ground Level:

6,776.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	3/23/2018	0.00	0.00	0.0000000

Design Design #1 **Audit Notes:** Phase: PROTOTYPE 0.0 Version: Tie On Depth: Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 305.53

Plan Survey Tool Program

Date 6/8/2018

Depth From (usft)

Depth To (usft)

Survey (Wellbore)

Tool Name

Remarks

1

0.0

11,890.8 Design #1 (Wellbore #1)

MWD

OWSG MWD - Standard

easured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
220.0	0.00	0.00	220.0	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	
1,505.1	20.10	217.87	1,484.6	-137.8	-107.2	2.00	2.00	0.00	217.87	
4,314.7	20.10	217.87	4,123.0	-900.0	-700.0	0.00	0.00	0.00	0.00	02LH-KOP
5,055.1	71.01	313.29	4,669.4	-737.1	-1,088.6	10.00	6.88	12.89	101.74	
5,317.1	89.74	315.97	4,713.0	-556.3	-1,271.4	7.22	7.15	1.02	8.31	02LH-POE
11,890.8	89.74	315.97	4.743.0	4,170.3	-5,840.0	0.00	0.00	0.00	0.00	02LH-BHL

lan	Survey									
	Measured			Vertical			Vertical	Dogleg	Build	Turn
	Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
	(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/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
	220.0	0.00	0.00	220.0	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
	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	2.00	217.87	600.0	-1.4	-1.1	0.1	2.00	2.00	0.00
	700.0	4.00	217.87	699.8	-5.5	-4.3	0.3	2.00	2.00	0.00
	800.0	6.00	217.87	799.5	-12.4	-9.6	0.6	2.00	2.00	0.00
	900.0	8.00	217.87	898.7	-22.0	-17.1	1.1	2.00	2.00	0.00
	1,000.0	10.00	217.87	997.5	-34.4	-26.7	1.8	2.00	2.00	0.00
	1,100.0	12.00	217.87	1,095.6	-49.4	-38.4	2.6	2.00	2.00	0.00
	1,200.0	14.00	217.87	1,193.1	-67.2	-52.2	3.5	2.00	2.00	0.00
	1,300.0	16.00	217.87	1,289.6	-87.6	-68.1	4.5	2.00	2.00	0.00
		10.00	047.07	4.005.0	440.7	00.4	F 7	2.00	2.00	0.00
	1,400.0	18.00	217.87	1,385.3	-110.7	-86.1	5.7 7.1	2.00	2.00	0.00
	1,500.0 1,505.1	20.00 20.10	217.87 217.87	1,479.8 1,484.6	-136.4 -137.8	-106.1 -107.2	7.1	2.00	2.00	0.00
	1,600.0	20.10	217.87	1,573.7	-163.5	-107.2	8.5	0.00	0.00	0.00
	1,700.0	20.10	217.87	1,667.6	-190.6	-148.3	9.9	0.00	0.00	0.00
	1,800.0	20.10	217.87	1,761.5	-217.8	-169.4	11.3	0.00	0.00	0.00
	1,900.0	20.10	217.87	1,855.4	-244.9	-190.5	12.7	0.00	0.00	0.00
	2,000.0	20.10	217.87	1,949.4	-272.0	-211.6	14.1	0.00	0.00	0.00
	2,100.0	20.10	217.87	2,043.3	-299.2	-232.7	15.5	0.00	0.00	0.00
	2,200.0	20.10	217.87	2,137.2	-326.3	-253.8	16.9	0.00	0.00	0.00
	2,300.0	20.10	217.87	2,231.1	-353.4	-274.9	18.3	0.00	0.00	0.00
	2,400.0	20.10	217.87	2,325.0	-380.5	-296.0	19.7	0.00	0.00	0.00
	2,500.0	20.10	217.87	2,418.9	-407.7	-317.1	21.1	0.00	0.00	0.00
	2,600.0	20.10	217.87	2,512.8	-434.8	-338.2	22.5	0.00	0.00	0.00
	2,700.0	20.10	217.87	2,606.7	-461.9	-359.3	23.9	0.00	0.00	0.00
	2,800.0	20.10	217.87	2,700.6	-489.1	-380.4	25.3	0.00	0.00	0.00
	2,900.0	20.10	217.87	2,794.5	-516.2	-401.5	26.8	0.00	0.00	0.00
	3,000.0	20.10	217.87	2,888.4	-543.3	-422.6	28.2	0.00	0.00	0.00
	3,100.0	20.10	217.87	2,982.3	-570.5	-443.7	29.6	0.00	0.00	0.00
	3,200.0	20.10	217.87	3,076.2	-597.6	-464.8	31.0	0.00	0.00	0.00
	3,300.0	20.10	217.87	3,170.2	-624.7	-485.9	32.4	0.00	0.00	0.00
	3,400.0	20.10	217.87	3,264.1	-651.8	-507.0	33.8	0.00	0.00	0.00
	3,500.0	20.10	217.87	3,358.0	-679.0	-528.1 -549.2	35.2 36.6	0.00	0.00	0.00
	3,600.0	20.10 20.10	217.87 217.87	3,451.9 3,545.8	-706.1 -733.2	-549.2	38.0	0.00	0.00	0.00
	3,700.0	20.10	217.07	3,343.6	-133.2	-370.3	30.0			
	3,800.0	20.10	217.87	3,639.7	-760.4	-591.4	39.4	0.00	0.00	0.00
	3,900.0	20.10	217.87	3,733.6	-787.5	-612.5	40.8	0.00	0.00	0.00
	4,000.0	20.10	217.87	3,827.5	-814.6	-633.6	42.2	0.00	0.00	0.00
	4,100.0	20.10	217.87	3,921.4	-841.8	-654.7	43.6	0.00	0.00	0.00
	4,200.0	20.10	217.87	4,015.3	-868.9	-675.8	45.0	0.00	0.00	0.00
	4,300.0	20.10	217.87	4,109.2	-896.0	-696.9	46.4	0.00	0.00	0.00
	4,314.7	20.10	217.87	4,123.0	-900.0	-700.0	46.6	0.00	0.00	0.00
	4,400.0	20.11	242.88	4,203.3	-918.3	-722.1	54.0	10.00	0.00	29.30
	4,500.0	24.13	267.45	4,296.1	-927.1	-757.9	78.0	10.00	4.03	24.57
	4,600.0	30.86	283.63	4,384.9	-921.9	-803.4	118.0	10.00	6.73	16.18
	4,700.0	38.91	294.08	4,466.9	-903.0	-857.1	172.7	10.00	8.05	10.45
	4,800.0	47.60	301.31	4,539.7	-870.9	-917.5	240.5	10.00	8.70	7.24
	4,900.0	56.64	306.75	4,601.1	-826.6	-982.7	319.3	10.00	9.04	5.44
	5,000.0	65.87	311.15	4,649.1	-771.5	-1,050.7	406.7	10.00	9.23	4.40
	5,055.1	71.01	313.29	4,669.4	-737.1	-1,088.6	457.5	10.00	9.32	3.89
						1 110 6	500.0	7 22	7 1F	1.08
	5,100.0	74.22	313.78	4,682.8	-707.6 -639.3	-1,119.6 -1,189.5	500.0 596.5	7.22 7.22	7.15 7.15	1.08
	5,200.0	81.37 88.52	314.81 315.81	4,703.9 4,712.7	-639.3 -568.6	-1,189.5	694.6	7.22	7.15	1.00
	5,300.0 5,317.1	88.52	315.81	4,712.7	-556.3	-1,259.5 -1,271.4	711.4	7.22	7.15	0.99
	5,317.1					-1,271.4 -1,329.1	711.4	0.00	0.00	0.00
	5,400.0	89.74	315.97	4,713.4	-496.7	-1,329.1	793.0			
	5,500.0	89.74	315.97	4,713.8	-424.8	-1,398.6	891.3	0.00	0.00	0.00
	5,600.0	89.74	315.97	4,714.3	-352.9	-1,468.1	989.6	0.00	0.00	0.00
	5,700.0	89.74	315.97	4,714.7	-281.0	-1,537.6	1,088.0	0.00	0.00	0.00
	5,800.0	89.74	315.97	4,715.2	-209.1	-1,607.1	1,186.3	0.00	0.00	0.00
	5,900.0	89.74	315.97	4,715.7	-137.2	-1,676.6	1,284.7	0.00	0.00	0.00
	6,000.0	89.74	315.97	4,716.1	-65.3	-1,746.0	1,383.0	0.00	0.00	0.00

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
6,100.0	89.74	315.97	4.716.6	6.6	-1,815.5	1,481.4	0.00	0.00	0.00
6,200.0	89.74	315.97	4,717.0	78.5	-1,885.0	1,579.7	0.00	0.00	0.00
6,300.0	89.74	315.97	4,717.5	150.4	-1,954.5	1,678.0	0.00	0.00	0.00
						1,776.4	0.00	0.00	0.00
6,400.0	89.74	315.97	4,717.9	222.3	-2,024.0	1,770.4	0.00	0.00	0.00
6,500.0	89.74	315.97	4,718.4	294.2	-2,093.5	1,874.7	0.00	0.00	0.00
6,600.0	89.74	315.97	4,718.9	366.1	-2,163.0	1,973.1	0.00	0.00	0.00
6,700.0	89.74	315.97	4,719.3	438.0	-2,232.5	2,071.4	0.00	0.00	0.00
6,800.0	89.74	315.97	4,719.8	509.9	-2,302.0	2,169.8	0.00	0.00	0.00
6,900.0	89.74	315.97	4,720.2	581.8	-2,371.5	2,268.1	0.00	0.00	0.00
7,000.0	89.74	315.97	4,720.7	653.7	-2,441.0	2,366.4	0.00	0.00	0.00
7,100.0	89.74	315.97	4,721.1	725.6	-2,510.5	2,464.8	0.00	0.00	0.00
7,200.0	89.74	315.97	4,721.6	797.5	-2,580.0	2,563.1	0.00	0.00	0.00
7,300.0	89.74	315.97	4,722.0	869.4	-2,649.5	2,661.5	0.00	0.00	0.00
7,400.0	89.74	315.97	4,722.5	941.4	-2,719.0	2,759.8	0.00	0.00	0.00
					-2.788.5	2.858.2		0.00	0.00
7,500.0	89.74	315.97	4,723.0	1,013.3			0.00	0.00	
7,600.0	89.74	315.97	4,723.4	1,085.2	-2,858.0	2,956.5	0.00	0.00	0.00
7,700.0	89.74	315.97	4,723.9	1,157.1	-2,927.5	3,054.8	0.00	0.00	0.00
7,800.0	89.74	315.97	4,724.3	1,229.0	-2,997.0	3,153.2	0.00	0.00	0.00
7,900.0	89.74	315.97	4,724.8	1,300.9	-3,066.5	3,251.5	0.00	0.00	0.00
8,000.0	89.74	315.97	4,725.2	1,372.8	-3,136.0	3,349.9	0.00	0.00	0.00
8,100.0	89.74	315.97	4,725.7	1,444.7	-3,205.5	3,448.2	0.00	0.00	0.00
8,200.0	89.74	315.97	4,726.2	1,516.6	-3,275.0	3,546.6	0.00	0.00	0.00
	89.74	315.97		And the second	-3,344.5	3,644.9	0.00	0.00	0.00
8,300.0			4,726.6	1,588.5	-3,414.0	3,743.2	0.00	0.00	0.00
8,400.0	89.74	315.97	4,727.1	1,660.4	-3,414.0	3,743.2	0.00	0.00	0.00
8,500.0	89.74	315.97	4,727.5	1,732.3	-3,483.5	3,841.6	0.00	0.00	0.00
8,600.0	89.74	315.97	4,728.0	1,804.2	-3,553.0	3,939.9	0.00	0.00	0.00
8,700.0	89.74	315.97	4,728.4	1,876.1	-3,622.5	4,038.3	0.00	0.00	0.00
8,800.0	89.74	315.97	4,728.9	1,948.0	-3,692.0	4,136.6	0.00	0.00	0.00
8,900.0	89.74	315.97	4,729.4	2,019.9	-3,761.5	4,234.9	0.00	0.00	0.00
9,000.0	89.74	315.97	4,729.8	2,091.8	-3,831.0	4,333.3	0.00	0.00	0.00
9,100.0	89.74	315.97	4,730.3	2,163.7	-3,900.5	4,431.6	0.00	0.00	0.00
9,200.0	89.74	315.97	4,730.7	2,235.6	-3,970.0	4,530.0	0.00	0.00	0.00
9,300.0	89.74	315.97	4,731.2	2,307.5	-4,039.5	4,628.3	0.00	0.00	0.00
9,400.0	89.74	315.97	4,731.6	2,379.4	-4,109.0	4,726.7	0.00	0.00	0.00
9,500.0	89.74	315.97	4,732.1	2,451.3	-4,178.5	4,825.0	0.00	0.00	0.00
9,600.0	89.74	315.97	4,732.5	2,523.2	-4,248.0	4,923.3	0.00	0.00	0.00
				and American and					
9,700.0	89.74	315.97	4,733.0	2,595.1	-4,317.5	5,021.7	0.00	0.00	0.00
9,800.0	89.74	315.97	4,733.5	2,667.0	-4,387.0	5,120.0	0.00	0.00	0.00
9,900.0	89.74	315.97	4,733.9	2,738.9	-4,456.5	5,218.4	0.00	0.00	0.00
10,000.0	89.74	315.97	4,734.4	2,810.8	-4,526.0	5,316.7	0.00	0.00	0.00
10,100.0	89.74	315.97	4,734.8	2,882.7	-4,595.5	5,415.1	0.00	0.00	0.00
10,200.0	89.74	315.97	4,735.3	2,954.6	-4,665.0	5,513.4	0.00	0.00	0.00
10,300.0	89.74	315.97	4,735.7	3,026.5	-4,734.5	5,611.7	0.00	0.00	0.00
10,400.0	89.74	315.97	4,736.2	3,098.4	-4,804.0	5,710.1	0.00	0.00	0.00
10,500.0	89.74	315.97	4,736.7	3,170.3	-4,873.5	5,808.4	0.00	0.00	0.00
10,600.0	89.74	315.97	4,737.1	3,242.2	-4,943.0	5,906.8	0.00	0.00	0.00
10,700.0	89.74	315.97	4,737.6	3,314.1	-5,012.4	6,005.1	0.00	0.00	0.00
10,800.0	89.74	315.97	4,738.0	3,386.0	-5,081.9	6,103.5	0.00	0.00	0.00
10,900.0	89.74	315.97	4,738.5	3,457.9	-5,151.4	6,201.8	0.00	0.00	0.00
11,000.0	89.74	315.97	4,738.9	3,529.8	-5,220.9	6,300.1	0.00	0.00	0.00
					-5,220.9	6,398.5	0.00	0.00	0.00
11,100.0	89.74	315.97	4,739.4	3,601.7					
11,200.0	89.74	315.97	4,739.8	3,673.6	-5,359.9	6,496.8	0.00	0.00	0.00
11,300.0	89.74	315.97	4,740.3	3,745.5	-5,429.4	6,595.2	0.00	0.00	0.00
11,400.0	89.74	315.97	4,740.8	3,817.4	-5,498.9	6,693.5	0.00	0.00	0.00
11,500.0	89.74	315.97	4,741.2	3,889.3	-5,568.4	6,791.8	0.00	0.00	0.00
11,600.0	89.74	315.97	4,741.7	3,961.2	-5,637.9	6,890.2	0.00	0.00	0.00
11,700.0	89.74	315.97	4,742.1	4,033.1	-5,707.4	6,988.5	0.00	0.00	0.00
11,800.0	89.74	315.97	4,742.1	4,105.0	-5,776.9	7,086.9	0.00	0.00	0.00
11,000.0	09.74	313.97	4,142.0	4,105.0	-5,770.9	7,000.9	0.00	0.00	0.00

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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
02LH-KOP - plan hits target cent - Point	0.00 er	0.00	4,123.0	-900.0	-700.0	1,859,483.97	2,807,213.48	36.110068°N	107.548538°W
02LH-POE - plan hits target cent - Point	0.00 er	0.00	4,713.0	-556.3	-1,271.4	1,859,827.66	2,806,642.05	36.111017°N	107.550469°W
02LH-BHL - plan hits target cent - Point	0.00 er	0.00	4,743.0	4,170.3	-5,840.0	1,864,554.26	2,802,073.47	36.124037°N	107.565892°W

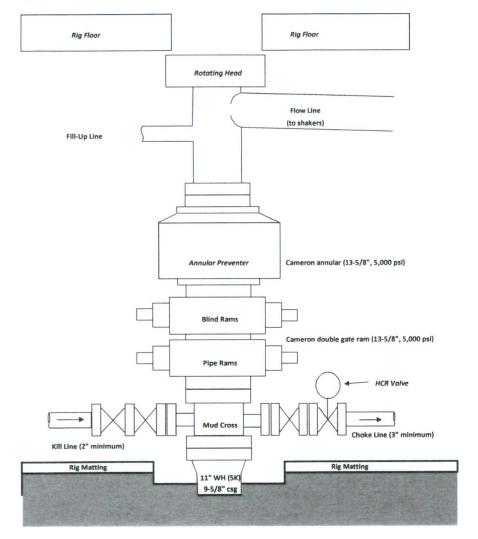
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asing Points							
	Measured Depth (usft)	Vertical Depth (usft)		Name	Casing Diameter (")	Hole Diameter (")	
	220.0	220.0	13 3/8"		13-3/8	17-1/2	
	2,717.3	2,623.0	9 5/8"		9-5/8	12-1/4	

rmations				
	Measured Depth (usft)	Vertical Depth (usft)	Name	Dip Dip Direction Lithology (°) (°)
	518.0	518.0	Ojo Alamo	0.00
	783.5	783.0	Kirtland	0.00
	832.7	832.0	Fruitland	0.00
	1,152.6	1,147.0	Pictured Cliffs	0.00
	1,373.5	1,360.0	Lewis	0.00
	1,526.8	1,505.0	Chacra	0.00
	1,929.3	1,883.0	Cliff House	0.00
	2,664.1	2,573.0	Menefee	0.00
	3,670.4	3,518.0	Point Lookout	0.00
	3,942.0	3,773.0	Mancos	0.00
	4,154.9	3,973.0	Gallup	0.00
	5,317.1	4,713.0	TARGET	0.00

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