U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

01/31/2024

Well Name: BETONNIE TSOSIE WASH UNIT	**Well Location:** T23N / R8W / SEC 21 / NWNE /	**County or Parish/State:**
Well Number: 721H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM76842	**Unit or CA Name:**	**Unit or CA Number:** NMNM135219A
US Well Number:	**Well Status:** Approved Application for Permit to Drill	**Operator:** DJR OPERATING LLC

Notice of Intent

Sundry ID: 2772657

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/31/2024

Time Sundry Submitted: 08:48

Date proposed operation will begin: 01/31/2024

Procedure Description: Original APD approved on 11/7/2023. The subject well has been assigned US Well Number: 30-045-38329 and is located in DJRs undivided Betonnie Tsosie Wash Unit. Original plans were to drill a 8130-ft lateral. DJR is seeking approval to shorten the lateral to 6452-ft, changing the proposed depth from 5019 / 13718 to 4947 / 11880, adjusting the BHL & reducing the dedicated acres from 440 to 320. Attached please find updated C102, revised drilling plan with new casing/cement assumptions, revised directional designs, and proposed wellbore diagram. Please note, effective December 21, 2023, Enduring Resources, LLC & DJR Operating, LLC are wholly owned subsidiaries of Enduring Resources, LLC. Leases, rights of way, wells, and other property interests will continue to be held in their current entity names.

NOI Attachments

Procedure Description

721H_NOI_APD_Change_BLM_Rev1_20240131084846.pdf

Well Name: BETONNIE TSOSIE WASH UNIT

Well Location: T23N / R8W / SEC 21 / NWNE /

County or Parish/State:

Well Number: 721H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM76842

Unit or CA Name:

Unit or CA Number: NMNM135219A

US Well Number:

Well Status: Approved Application for Permit to Drill

Operator: DJR OPERATING LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: JAN 31, 2024 08:48 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC **State:** NM

Phone: (505) 632-3476

Email address: SFORD@DJRLLC.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 01/31/2024

Signature: Kenneth Rennick

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., 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 Dr.
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
30-045-38329	98175	BETONNIE TSOSIE WASH UNIT MANCOS OIL POOL

4 Property Code	5 Property Name	6 Well Number
325179	BETONNIE TSOSIE WASH UNIT	721H

7 OGRID No.	8 Operator Name	9 Elevation
371838	DJR OPERATING, LLC	6837'

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
B	21	23N	8W		387'	NORTH	2064'	EAST	SAN JUAN

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
O	22	23N	8W		649'	SOUTH	1469'	EAST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
PENETRATED SPACING UNIT; SEC 21: NE/NE (40 AC.); SEC 22: NW/NW, SW/NW, SE/NW, NE/SW, NW/SE, SW/SE & SE/SE (280 AC.) = 320 ACRES			R-13930 R-13930A

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

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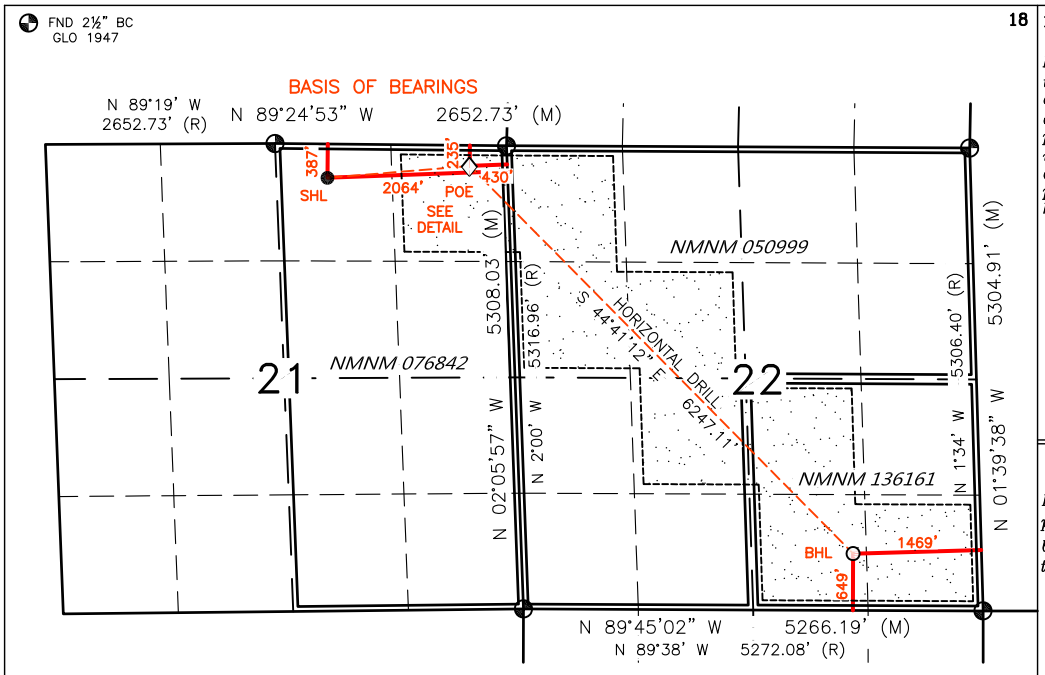
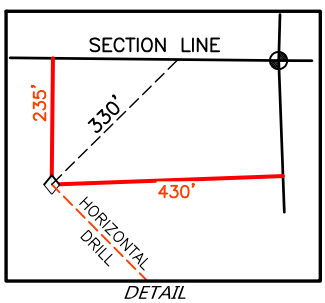


SURFACE LOCATION (SHL)
387' FNL 2064' FEL
SEC. 21, T23N, R8W
LAT. 36.218799° N (NAD83)
LONG. 107.685308° W (NAD83)

PPP/POE
235' FNL 430' FEL
SEC. 21, T23N, R8W
LAT. 36.219166° N (NAD83)
LONG. 107.679780° W (NAD83)

BOTTOM HOLE LOCATION (BHL)
649' FSL 1469' FEL
SEC. 22, T23N, R8W
LAT. 36.206945° N (NAD83)
LONG. 107.664912° W (NAD83)



DETAIL

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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.

Shaw-Marie Ford — Signature
1/30/24 — Date

Shaw-Marie Ford — Printed Name

sford@djrllc.com — E-mail Address

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.

MARCH 15, 2021
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number 11393

ENDURING RESOURCES IV, LLC
6300 S SYRACUSE WAY, SUITE 525
CENTENNIAL, COLORADO 80211

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

WELL INFORMATION:

Name: **BETONNIE TSOSIE WASH UNIT 721H**
API Number: 30-045-38329
State: New Mexico
County: San Juan
Surface Elevation: 6,837 ft ASL (GL) 6,862 ft ASL (KB)
Surface Location: 21-23N-08W Sec-Twn-Rng 387 ft FNL 2,064 ft FEL
36.218799 ° N latitude 107.685308 ° W longitude (NAD 83)
BH Location: 22-23N-08W Sec-Twn-Rng 649 ft FSL 1,469 ft FEL
36.206945 ° N latitude 107.668990 ° 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 39.0 miles to MM 112.7, Right (Southwest) on CR #7900 / IR #7061 for 1.7 miles to 4-way, Left (East) leaving CR #7900 for 0.5 miles to new access road; Right for .1 miles into to Betonnie Tsosie B21 PAD (from North to South: BTU 721H, 305H and 306H wells).

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	6,100	762	762	W	normal
Kirtland	6,030	832	832	W	normal
Fruitland	5,842	1,020	1,021	G, W	sub
Pictured Cliffs	5,490	1,372	1,383	G, W	sub
Lewis	5,358	1,504	1,525	G, W	normal
Chacra	5,121	1,741	1,789	G, W	normal
Cliff House	4,032	2,830	3,008	G, W	sub
Menefee	4,002	2,860	3,041	G, W	normal
Point Lookout	3,088	3,774	4,049	G, W	normal
Mancos	2,896	3,966	4,246	O,G	sub (~0.38)
Gallup (MNCS_A)	2,578	4,284	4,565	O,G	sub (~0.38)
MNCS_B	2,483	4,379	4,660	O,G	sub (~0.38)
MNCS_C	2,398	4,464	4,745	O,G	sub (~0.38)
MNCS_Cms	2,353	4,509	4,791	O,G	sub (~0.38)
MNCS_D	2,220	4,642	4,932	O,G	sub (~0.38)
MNCS_E	2,094	4,768	5,085	O,G	sub (~0.38)
MNCS_F	2,044	4,818	5,156	O,G	sub (~0.38)
MNCS_G	1,970	4,892	5,286	O,G	sub (~0.38)
MNCS_H	1,925	4,937	5,379	O,G	sub (~0.38)
MNCS_I	1,891	4,971	5,480	O,G	sub (~0.38)
FTP TARGET	**1,907**	**4,955**	**5,428**	**O,G**	**sub (~0.38)**
PROJECTED TD	**1,915**	**4,947**	**11,880**	**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: **2,140 psi**
Maximum anticipated surface pressure, assuming partially evacuated hole: **1,050 psi**
Temperature: **Maximum anticipated BHT is 125° 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; remote geo-steering from drill out of 7" casing to TD; gas detection from drillout of 9-5/8" casing to TD.

MWD / LWD: Gamma Ray from drillout of 9-5/8" casing to TD

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

Cased Hole Logs: CBL on 7" 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 single & double gate rams (11", 3,000 psi)

BOPE 2: Cameron annular (11", 3,000 psi)

Choke 3", 5,000 psi

KB-GL (ft): 25

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

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

1) Rig will be equipped with upper and lower kelly cocks with handles available.

2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.

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 and attached Newpark mud program for additional details.

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: 12-1/4"

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	9.625	36.0	K-55	STC	2,020	3,520	564,000	423,000
Loading					153	1,066	110,988	110,988
Min. S.F.					**13.21**	**3.30**	**5.08**	**3.81**

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

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	Hole Cap. (cuft/ft)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Redi-Mix	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114	184

Calculated cement volumes assume gauge hole and the excess noted in table Csg ID 8.921

Mesa Ready Mix or first available Shoe Track L 44

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

350 ft (MD)	**to**	**5,528 ft (MD)**	**Hole Section Length:**	**5,178 ft**
350 ft (TVD)	**to**	**4,981 ft (TVD)**	**Casing Required:**	**5,528 ft**

Fluid:	**Type**	**MW (ppg)**	**FL (mL/30 min)**	**PV (cp)**	**YP (lb/100 sqft)**	**pH**	**Comments**
	LSND (KCl)	8.8 - 9.5	20	8 - 14	8 - 14	9.0 - 9.5	No OBM

Hole Size: 8.75

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

Logging: None

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	7	26.0	K-55	LTC	4,320	4,980	415,000	367,000
Loading					2,176	1,335	225,338	225,338
Min. S.F.					**1.99**	**3.73**	**1.84**	**1.63**

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

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**	**Total Cmt (cu ft)**
Lead	III:POZ Blend	12.5	2.140	12.05	70%	0	481	1,029
Tail	Type III	14.6	1.380	6.64	20%	4,146	188	259

Annular Capacity	0.16681	cuft/ft	7" casing x 9-5/8" casing annulus	Shoe Track L	44
	0.1503	cuft/ft	9-5/8" casing x 12-1/4" hole annulus	Casing ID	6.276
	0.2148	cuft/ft	7" casing casing volume		

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

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

5,528	ft (MD)	to	11,880	ft (MD)	Hole Section Length:		6,352 ft
4,981	ft (TVD)	to	4,947	ft (TVD)	Casing Required:		6,502 ft
		Estimated KOP:	4,668	ft (MD)	4,387	ft (TVD)	
		Estimated Liner Top:	5,378	ft (MD)	4,937	ft (TVD)	
		Estimated Landing Point (FTP):	5,428	ft (MD)	4,955	ft (TVD)	
		Estimated Lateral Length:	6,452	ft (MD)			

Fluid:	Type	MW (ppg)	FL (mL/30')	PV (cp)	YP (lb/100 sqft)	pH	Comments	Comments
	WBM	8.7 - 9.0	NC	+20	±2	9-9.5	prod water	OBM as contingency

Hole Size: 6.125

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

Liner/Casing Specs:	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	4.500	11.6	P-110	BTC	7,560	10,690	367,000	385,000
Loading					2,444	8,783	218,916	218,916
Min. S.F.					**3.09**	**1.22**	**1.68**	**1.76**

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. Tension calculations assume vertical hole to approximate drag in lateral.

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Spacer	IntegraGuard Star	11		31.6		0	60 bbls	
Tail	G:POZ blend	13.3	1.560	7.70	30%	5,378	542	845

Displacement	154	est bbls			
Annular Capacity	0.1044	cuft/ft	4-1/2" casing x 7" casing annulus		
	0.09417	cuft/ft	4-1/2" casing x 6-1/8" hole annulus		
	0.0873	cuft/ft	4-1/2" casing vol	est shoe jt ft	100
	0.0102	bbls/ft	4" DP capacity		

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

Spacer	S-8 Silica Flour 163.7 lbs/bbl	Avis 616 viscosifier 11.6 lb/bbl	FP24 Defoamer .5 lb/bbl	IntegraGuard Star Plus 3K LCM 15 lb/bbl	SS201 Surfactant 1 gal/bbl			
Lead	ASTM Type I/II	BA90 Bonding Agent 5.0 lb/sx	Bentonite Viscosifier 8% BWOB	FL24 Fluid Loss .5% BWOB	IntegraGuard GW86 Viscosifier .1% BWOB	R7C Retarder .2% BWOB	FP24 Defoamer 0.3% BWOB, Anti-Static .01 lb/sx	
Tail	Type G 50%	Pozzolan Fly Ash Extender 50%	BA90 Bonding Agent 3.0 lb/sx	Bentonite Viscosifier 4% BWOB	FL24 Fluid Loss .4% BWOB	IntegraGuard GW86 Viscosifier .1% BWOB	R3 Retarder .5% BWOB	FP24 Defoamer .3% BWOB, IntegraSeal 0.25 lb/sx

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length:	6,352						
Est Frac Inform:	26	Frac Stages	102,000	bbls slick water	8,260,000	lbs proppant	

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

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

ESTIMATED START DATES:

Drilling: 2/16/2024

Completion: 4/16/2024

Production: 5/31/2024

Prepared by: **Greg Olson** **1/25/2024**

Updated:

WELL NAME: **BETONNIE TSOSIE WASH UNIT 721H**

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

API Number: 30-045-38329

AFE Number: Not yet assigned

ER Well Number: Not yet assigned

State: New Mexico

County: San Juan

Surface Elev.: 6,837 ft ASL (GL) 6,862 ft ASL (KB)

Surface Location: 21-23N-08W Sec-Twn- Rng 387 ft FNL 2,064 ft FEL

BH Location: 22-23N-08W Sec-Twn- Rng 649 ft FSL 1469 ft FEL

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

South on US Hwy 550 for 39.0 miles to MM 112.7, Right (Southwest) on CR #7900 / IR #7061 for 1.7 miles to 4-way, Left (East) leaving CR #7900 for 0.5 miles to new access road; Right for .1 miles into to Betonnie Tsosie B21 PAD (from North to South: BTU 721H, 305H and 306H wells).

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	5,528	ft
KOP (MD)	4,668	ft
KOP (TVD)	4,387	ft
Target (TVD)	4,955	ft
Curve BUR	10	°/100 ft
POE (MD)	5,428	ft
TD (MD)	11,880	ft
Lat Len (ft)	6,452	ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	9.625	36	K-55	STC	0	350
Intermediate	12.250	5,528	7	26.0	K-55	LTC	0	5,528
Production	8.500	11,880	4.500	11.6	P-110	BTC	0	11,880

CEMENT PROPERTIES SUMMARY:

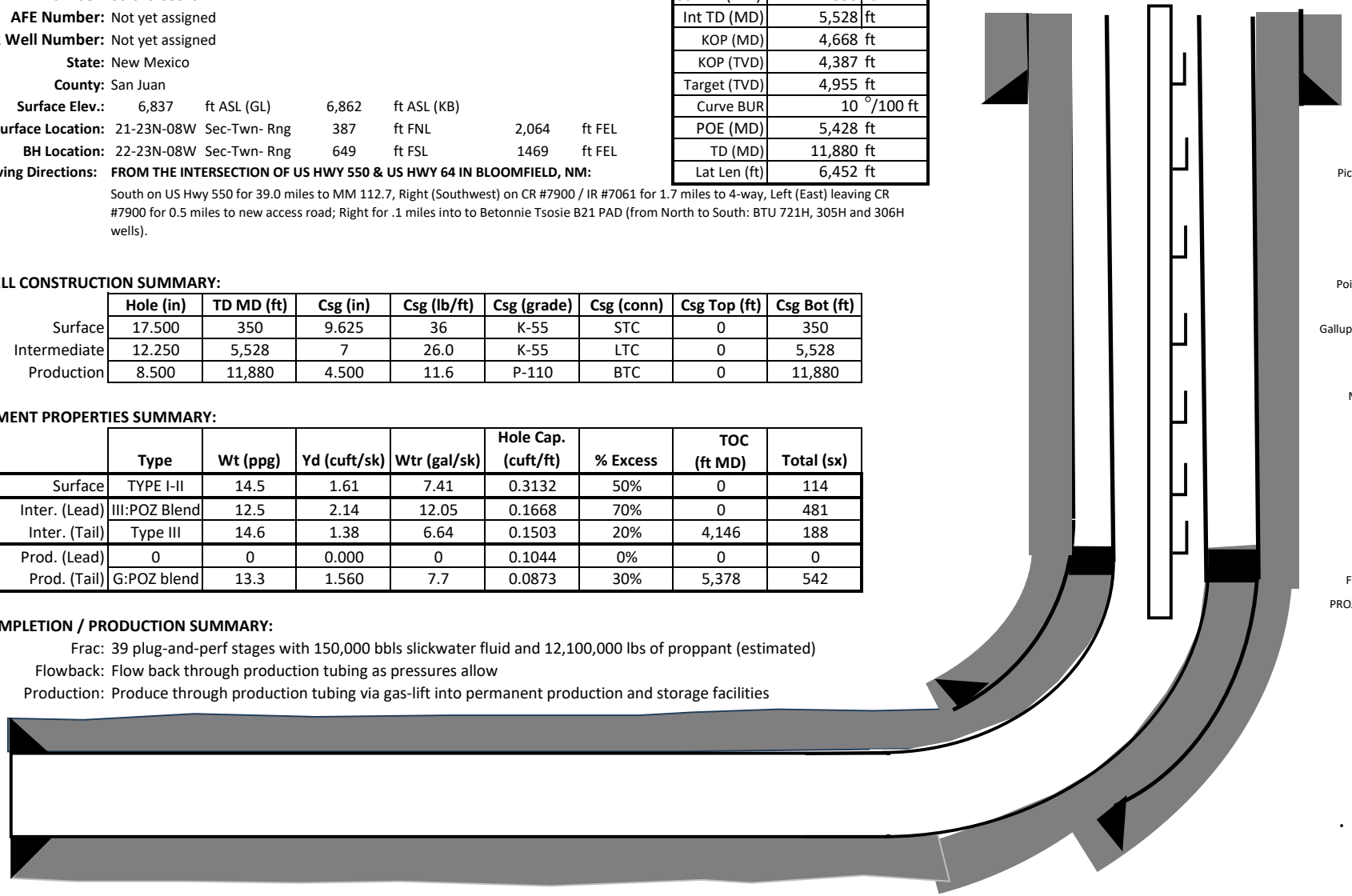
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.1668	70%	0	481
Inter. (Tail)	Type III	14.6	1.38	6.64	0.1503	20%	4,146	188
Prod. (Lead)	0	0	0.000	0	0.1044	0%	0	0
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.0873	30%	5,378	542

COMPLETION / PRODUCTION SUMMARY:

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

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

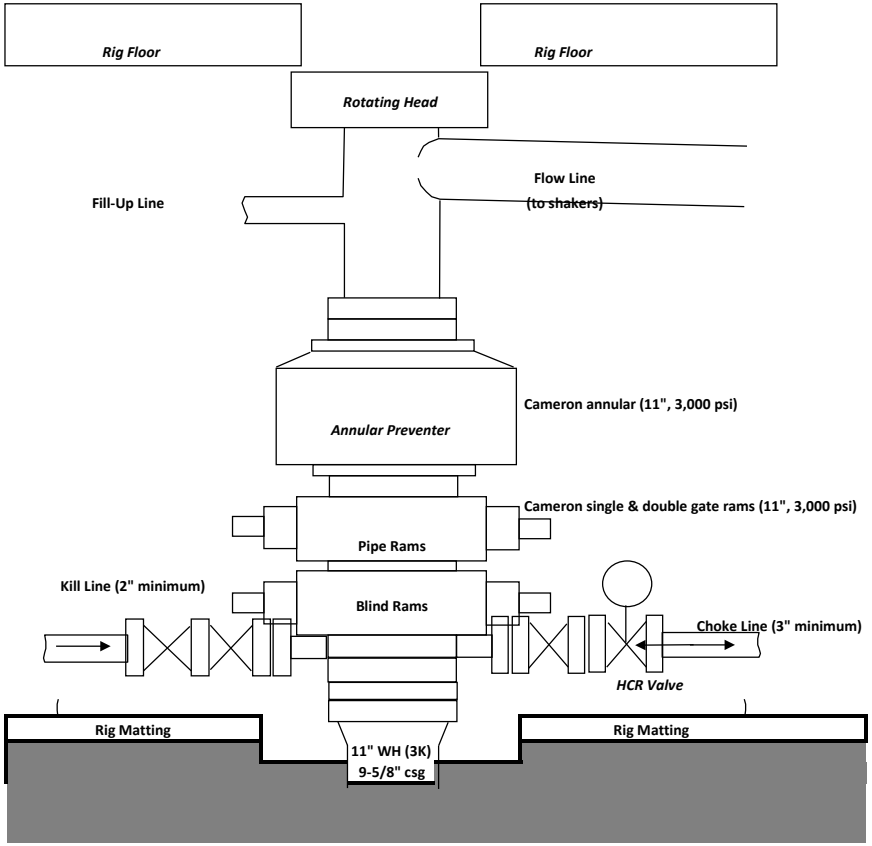


Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	762	762
Kirtland	832	832
Fruitland	1,020	1,021
Pictured Cliffs	1,372	1,383
Lewis	1,504	1,525
Chacra	1,741	1,789
Cliff House	2,830	3,008
Menefee	2,860	3,041
Point Lookout	3,774	4,049
Mancos	3,966	4,246
Gallup (MNCS_A)	4,284	4,565
MNCS_B	4,379	4,660
MNCS_C	4,464	4,745
MNCS_Cms	4,509	4,791
MNCS_D	4,642	4,932
MNCS_E	4,768	5,085
MNCS_F	4,818	5,156
MNCS_G	4,892	5,286
MNCS_H	4,937	5,379
MNCS_I	4,971	5,480
FTP TARGET	4,955	5,428
PROJECTED TD	4,947	11,880

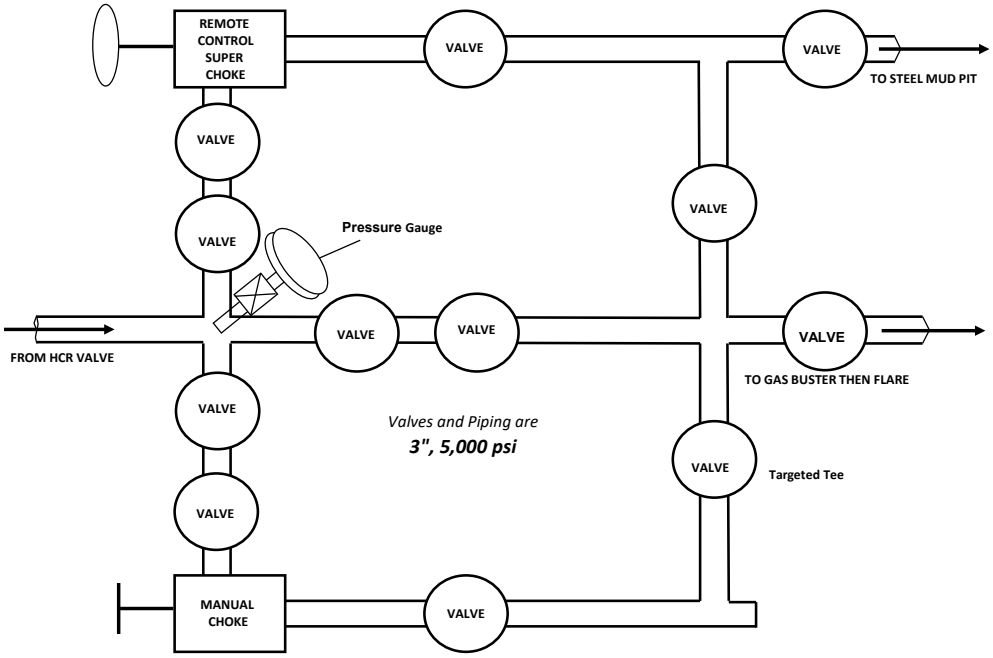
BOPE & CHOKE MANIFOLD DIAGRAMS

NOTE: EXACT BOPE AND CHOKE CONFIRGURATION AND COMPONENTS MAY DIFFER FROM WHAT IS DEPICTED IN THE DIGRAMS BELOW DEPENDING ON THE RIG AND ITS ASSOCIATED EQUIPMENT. RAM PREVENTERS, ANNULAR PREVENTERS, AND CHOKE MANIFOLD AND COMPONENTS WILL BE RATED TO 3,000 PSI MINIMUM.

BOPE



CHOKE MANIFOLD



Well: Betonnie Tsosie Wash Unit 721H
Site: Betonnie Tsosie Wash Unit (305, 306 & 721)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev0
Rig:

T G M

Azimuths to Grid North
True North: -0.09°
Magnetic North: 8.41°

Magnetic Field
Strength: 49046.0nT
Dip Angle: 62.69°
Date: 1/15/2024
Model: IGRF2020

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6837+25 @ 6862.00ft

Surface location:

Northing	Easting	Latittude	Longitude
1898973.992	2766755.032	36.218799000	-107.685306000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.41°

Section Details

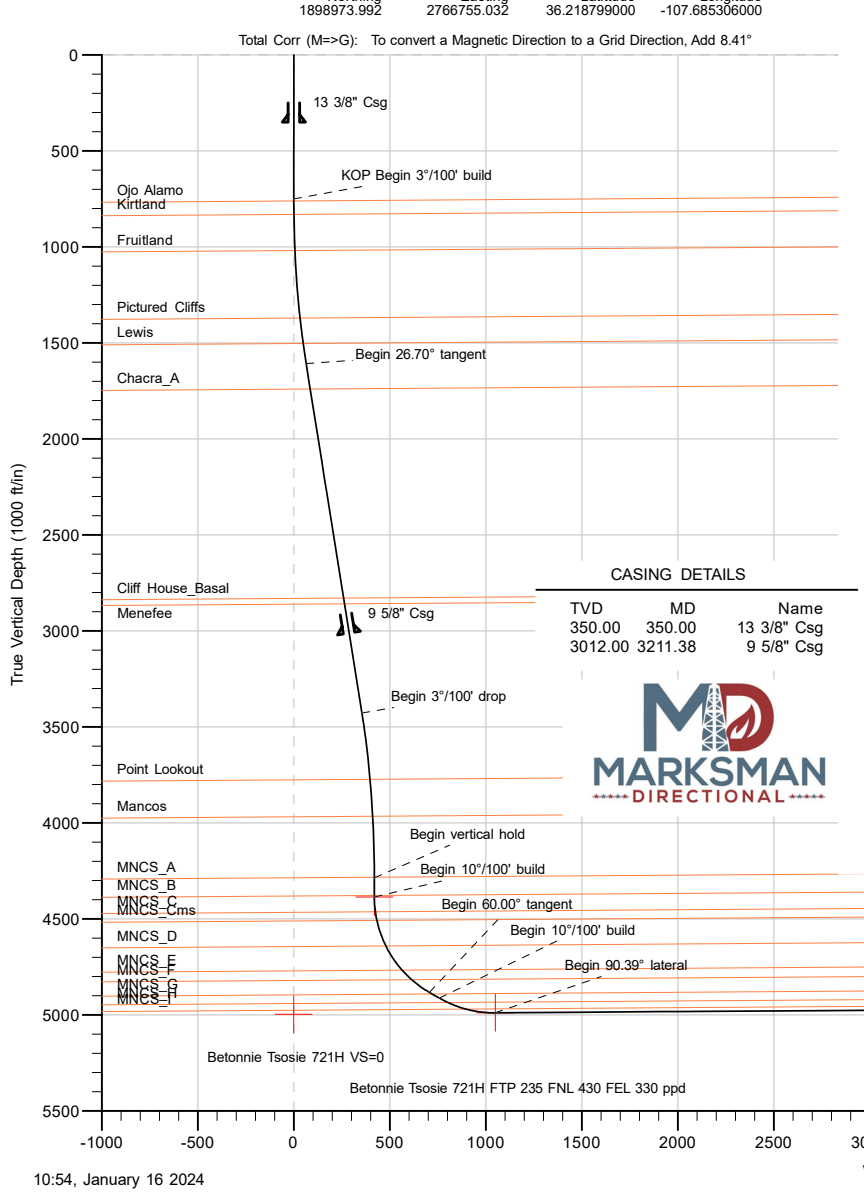
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.000	0.00	18.92	-5.34	0.00	0.00	0.00	
2	750.00	0.00	0.000	750.00	18.92	-5.34	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1639.89	26.70	63.817	1608.04	108.76	177.37	3.00	63.82	64.62	Begin 26.70° tangent
4	3677.95	26.70	63.817	3428.83	512.77	999.05	0.00	0.00	355.23	Begin 3°/100' drop
5	4567.84	0.00	0.000	4286.87	602.60	1181.75	3.00	180.00	419.85	Begin vertical hold
6	4667.84	0.00	0.000	4386.87	602.60	1181.75	0.00	0.00	419.85	Begin 10°/100' build
7	5267.84	60.00	135.312	4883.07	398.93	1383.22	10.00	135.31	706.33	Begin 60.00° tangent
8	5327.84	60.00	135.312	4913.07	361.99	1419.76	0.00	0.00	758.29	Begin 10°/100' build
9	5631.76	90.39	135.312	4989.81	155.53	1623.98	10.00	0.00	1048.70	Begin 90.39° lateral
10	11879.77	90.39	135.312	4947.00	-4286.38	6017.76	0.00	0.00	7296.55	PBHL @ 11879.77 MD 4947.00 TVD

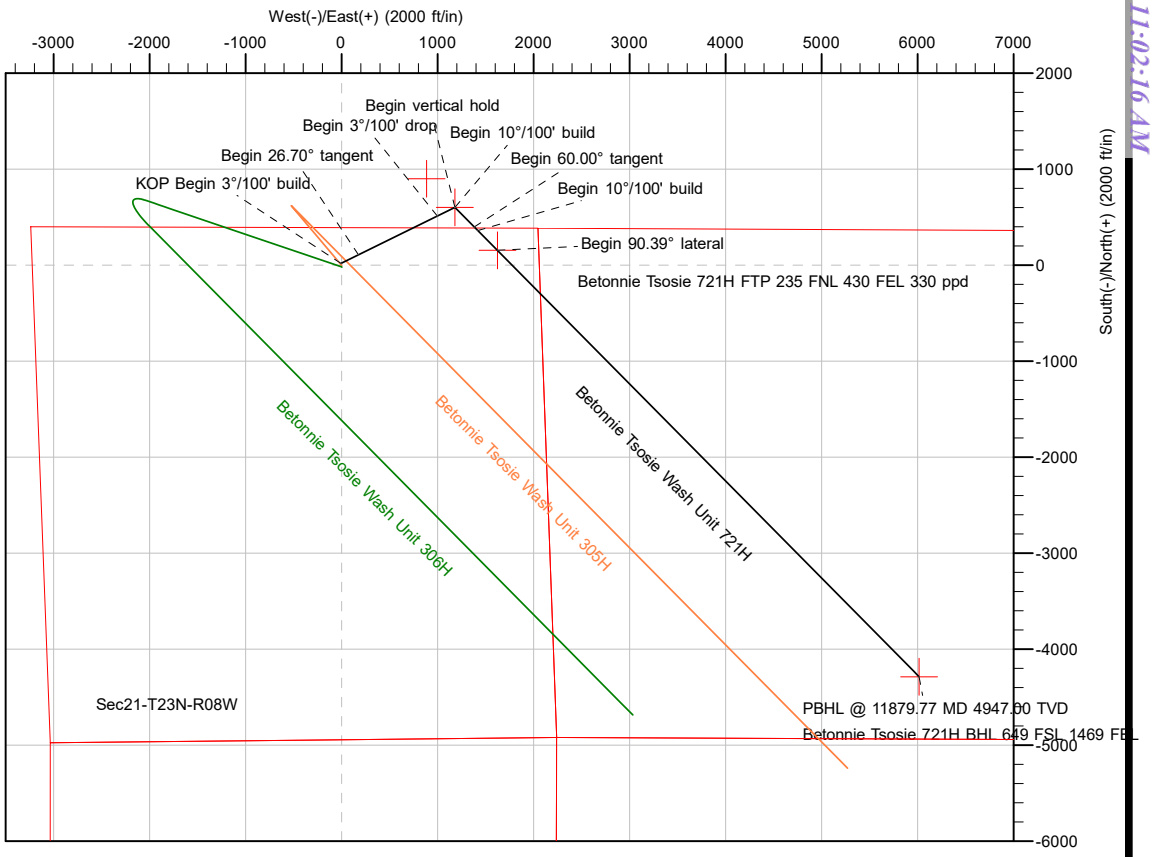
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Betonnie Tsosie 721H BHL 649 FSL 1469 FEL	4947.00	-4286.38	6017.76	1894668.702	2772778.114	36.206945000	-107.664912000
Betonnie Tsosie 721H FTP 235 FNL 430 FEL 330 ppd	4989.81	155.05	1624.45	1899110.122	2768384.817	36.219166000	-107.679780000
Betonnie Tsosie 721H vert	4386.87	602.60	1181.75	1899557.671	2767942.120	36.220397369	-107.681278451
Betonnie Tsosie 721H VS=0	4997.00	901.09	886.49	1899856.160	2767646.861	36.221218612	-107.682277879

CASING DETAILS

TVD	MD	Name
350.00	350.00	13 3/8" Csg
3012.00	3211.38	9 5/8" Csg

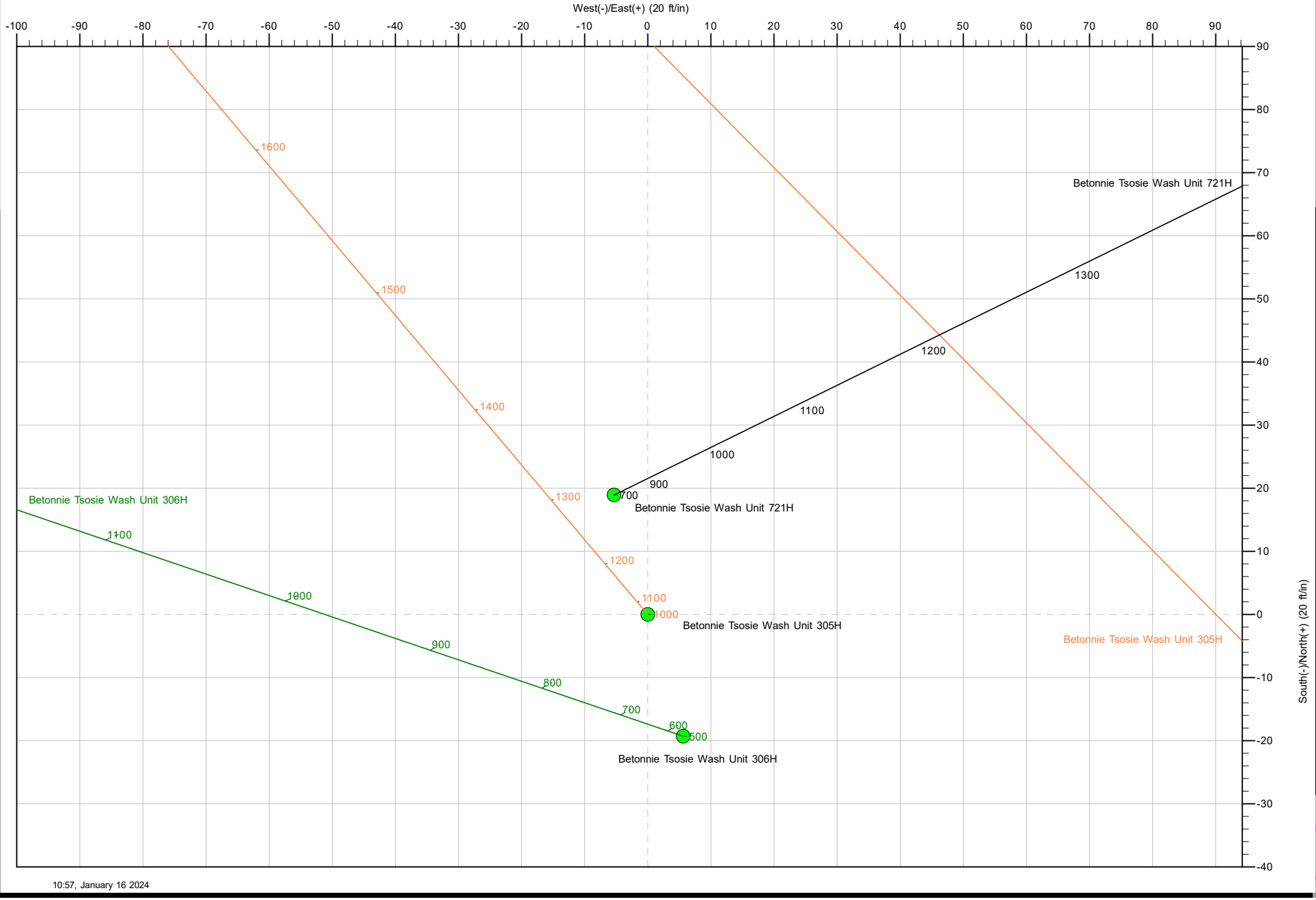




10:54, January 16 2024

Well: Betonnie Tsosie Wash Unit 721H
Site: Betonnie Tsosie Wash Unit (305, 306 & 721)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev0
Rig:

MARKSMAN DIRECTIONAL



10:57, January 16 2024

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project San Juan County, New Mexico NAD83 NM W

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

Site Betonnie Tsosie Wash Unit (305, 306 & 721)

Site Position:		**Northing:**	1,898,955.071 usft	**Latitude:**	36.218747000
From:	Lat/Long	**Easting:**	2,766,760.370 usft	**Longitude:**	-107.685288000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Betonnie Tsosie Wash Unit 721H, Surf loc: 387 FNL 2064 FEL Section 21-T23N-R08W

Well Position	**+N/-S**	18.92 ft	**Northing:**	1,898,973.992 usft	**Latitude:**	36.218799000
	+E/-W	-5.34 ft	**Easting:**	2,766,755.032 usft	**Longitude:**	-107.685306000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,837.00 ft
Grid Convergence:		0.09 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/15/2024	8.50	62.69	49,045.95156439

Design rev0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	18.92	-5.34	135.312

Plan Survey Tool Program **Date** 1/16/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,879.77	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	18.92	-5.34	0.00	0.00	0.00	0.00	
750.00	0.00	0.000	750.00	18.92	-5.34	0.00	0.00	0.00	0.00	
1,639.89	26.70	63.817	1,608.04	108.76	177.37	3.00	3.00	0.00	63.82	
3,677.95	26.70	63.817	3,428.83	512.77	999.05	0.00	0.00	0.00	0.00	
4,567.84	0.00	0.000	4,286.87	602.60	1,181.75	3.00	-3.00	0.00	180.00	
4,667.84	0.00	0.000	4,386.87	602.60	1,181.75	0.00	0.00	0.00	0.00	Betonnie Tsosie 721H
5,267.84	60.00	135.312	4,883.07	398.93	1,383.22	10.00	10.00	0.00	135.31	
5,327.84	60.00	135.312	4,913.07	361.99	1,419.76	0.00	0.00	0.00	0.00	
5,631.76	90.39	135.312	4,989.81	155.53	1,623.98	10.00	10.00	0.00	0.00	
11,879.77	90.39	135.312	4,947.00	-4,286.38	6,017.76	0.00	0.00	0.00	0.00	Betonnie Tsosie 721H

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	18.92	-5.34	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	18.92	-5.34	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	18.92	-5.34	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	18.92	-5.34	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	18.92	-5.34	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	18.92	-5.34	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	18.92	-5.34	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	18.92	-5.34	0.00	0.00	0.00	0.00
750.00	0.00	0.000	750.00	18.92	-5.34	0.00	0.00	0.00	0.00
800.00	1.50	63.817	799.99	19.21	-4.75	0.21	3.00	3.00	0.00
900.00	4.50	63.817	899.85	21.52	-0.05	1.87	3.00	3.00	0.00
1,000.00	7.50	63.817	999.29	26.13	9.32	5.19	3.00	3.00	0.00
1,100.00	10.50	63.817	1,098.04	33.03	23.36	10.15	3.00	3.00	0.00
1,200.00	13.50	63.817	1,195.85	42.20	42.02	16.75	3.00	3.00	0.00
1,300.00	16.50	63.817	1,292.43	53.62	65.24	24.96	3.00	3.00	0.00
1,400.00	19.50	63.817	1,387.52	67.26	92.97	34.77	3.00	3.00	0.00
1,500.00	22.50	63.817	1,480.87	83.07	125.12	46.14	3.00	3.00	0.00
1,600.00	25.50	63.817	1,572.22	101.01	161.62	59.05	3.00	3.00	0.00
1,639.89	26.70	63.817	1,608.04	108.76	177.37	64.62	3.00	3.00	0.00
1,700.00	26.70	63.817	1,661.74	120.67	201.60	73.19	0.00	0.00	0.00
1,800.00	26.70	63.817	1,751.08	140.49	241.92	87.45	0.00	0.00	0.00
1,900.00	26.70	63.817	1,840.42	160.32	282.24	101.71	0.00	0.00	0.00
2,000.00	26.70	63.817	1,929.76	180.14	322.55	115.97	0.00	0.00	0.00
2,100.00	26.70	63.817	2,019.10	199.96	362.87	130.23	0.00	0.00	0.00
2,200.00	26.70	63.817	2,108.44	219.79	403.19	144.49	0.00	0.00	0.00
2,300.00	26.70	63.817	2,197.78	239.61	443.50	158.75	0.00	0.00	0.00
2,400.00	26.70	63.817	2,287.12	259.43	483.82	173.01	0.00	0.00	0.00
2,500.00	26.70	63.817	2,376.46	279.26	524.14	187.26	0.00	0.00	0.00
2,600.00	26.70	63.817	2,465.80	299.08	564.45	201.52	0.00	0.00	0.00
2,700.00	26.70	63.817	2,555.14	318.90	604.77	215.78	0.00	0.00	0.00
2,800.00	26.70	63.817	2,644.48	338.73	645.09	230.04	0.00	0.00	0.00
2,900.00	26.70	63.817	2,733.82	358.55	685.40	244.30	0.00	0.00	0.00
3,000.00	26.70	63.817	2,823.16	378.37	725.72	258.56	0.00	0.00	0.00
3,100.00	26.70	63.817	2,912.50	398.20	766.04	272.82	0.00	0.00	0.00
3,200.00	26.70	63.817	3,001.84	418.02	806.35	287.08	0.00	0.00	0.00
3,300.00	26.70	63.817	3,091.18	437.85	846.67	301.34	0.00	0.00	0.00
3,400.00	26.70	63.817	3,180.52	457.67	886.99	315.60	0.00	0.00	0.00
3,500.00	26.70	63.817	3,269.86	477.49	927.30	329.86	0.00	0.00	0.00
3,600.00	26.70	63.817	3,359.20	497.32	967.62	344.12	0.00	0.00	0.00
3,677.95	26.70	63.817	3,428.83	512.77	999.05	355.23	0.00	0.00	0.00
3,700.00	26.04	63.817	3,448.59	517.09	1,007.84	358.34	3.00	-3.00	0.00
3,800.00	23.04	63.817	3,539.55	535.41	1,045.10	371.52	3.00	-3.00	0.00
3,900.00	20.04	63.817	3,632.56	551.60	1,078.03	383.17	3.00	-3.00	0.00
4,000.00	17.04	63.817	3,727.36	565.63	1,106.56	393.26	3.00	-3.00	0.00
4,100.00	14.04	63.817	3,823.70	577.44	1,130.59	401.75	3.00	-3.00	0.00
4,200.00	11.04	63.817	3,921.30	587.02	1,150.06	408.64	3.00	-3.00	0.00
4,300.00	8.04	63.817	4,019.91	594.33	1,164.93	413.90	3.00	-3.00	0.00
4,400.00	5.04	63.817	4,119.25	599.35	1,175.14	417.51	3.00	-3.00	0.00
4,500.00	2.04	63.817	4,219.05	602.07	1,180.67	419.47	3.00	-3.00	0.00
4,567.84	0.00	0.000	4,286.87	602.60	1,181.75	419.85	3.00	-3.00	0.00
4,600.00	0.00	0.000	4,319.03	602.60	1,181.75	419.85	0.00	0.00	0.00
4,667.84	0.00	0.000	4,386.87	602.60	1,181.75	419.85	0.00	0.00	0.00
4,700.00	3.22	135.312	4,419.02	601.96	1,182.39	420.75	10.00	10.00	0.00

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,750.00	8.22	135.312	4,468.75	598.42	1,185.89	425.73	10.00	10.00	0.00
4,800.00	13.22	135.312	4,517.86	591.81	1,192.42	435.03	10.00	10.00	0.00
4,850.00	18.22	135.312	4,565.98	582.19	1,201.95	448.57	10.00	10.00	0.00
4,900.00	23.22	135.312	4,612.73	569.62	1,214.38	466.25	10.00	10.00	0.00
4,950.00	28.22	135.312	4,657.77	554.20	1,229.63	487.94	10.00	10.00	0.00
5,000.00	33.22	135.312	4,700.74	536.04	1,247.59	513.47	10.00	10.00	0.00
5,050.00	38.22	135.312	4,741.32	515.30	1,268.11	542.65	10.00	10.00	0.00
5,100.00	43.22	135.312	4,779.21	492.12	1,291.04	575.25	10.00	10.00	0.00
5,150.00	48.22	135.312	4,814.11	466.68	1,316.20	611.04	10.00	10.00	0.00
5,200.00	53.22	135.312	4,845.75	439.17	1,343.41	649.72	10.00	10.00	0.00
5,250.00	58.22	135.312	4,873.91	409.81	1,372.45	691.02	10.00	10.00	0.00
5,267.84	60.00	135.312	4,883.07	398.93	1,383.22	706.33	10.00	10.00	0.00
5,300.00	60.00	135.312	4,899.15	379.13	1,402.81	734.18	0.00	0.00	0.00
5,327.84	60.00	135.312	4,913.07	361.99	1,419.76	758.29	0.00	0.00	0.00
5,350.00	62.22	135.312	4,923.77	348.19	1,433.40	777.69	10.00	10.00	0.00
5,400.00	67.22	135.312	4,945.12	316.06	1,465.19	822.89	10.00	10.00	0.00
5,450.00	72.22	135.312	4,962.45	282.73	1,498.16	869.78	10.00	10.00	0.00
5,500.00	77.22	135.312	4,975.63	248.45	1,532.07	917.99	10.00	10.00	0.00
5,550.00	82.22	135.312	4,984.55	213.48	1,566.65	967.17	10.00	10.00	0.00
5,600.00	87.22	135.312	4,989.15	178.10	1,601.66	1,016.94	10.00	10.00	0.00
5,631.76	90.39	135.312	4,989.81	155.53	1,623.98	1,048.70	10.00	10.00	0.00
5,700.00	90.39	135.312	4,989.35	107.01	1,671.97	1,116.93	0.00	0.00	0.00
5,800.00	90.39	135.312	4,988.66	35.92	1,742.29	1,216.93	0.00	0.00	0.00
5,900.00	90.39	135.312	4,987.98	-35.17	1,812.62	1,316.93	0.00	0.00	0.00
6,000.00	90.39	135.312	4,987.29	-106.27	1,882.94	1,416.92	0.00	0.00	0.00
6,100.00	90.39	135.312	4,986.61	-177.36	1,953.26	1,516.92	0.00	0.00	0.00
6,200.00	90.39	135.312	4,985.92	-248.45	2,023.58	1,616.92	0.00	0.00	0.00
6,300.00	90.39	135.312	4,985.24	-319.55	2,093.91	1,716.92	0.00	0.00	0.00
6,400.00	90.39	135.312	4,984.55	-390.64	2,164.23	1,816.92	0.00	0.00	0.00
6,500.00	90.39	135.312	4,983.86	-461.73	2,234.55	1,916.91	0.00	0.00	0.00
6,600.00	90.39	135.312	4,983.18	-532.83	2,304.88	2,016.91	0.00	0.00	0.00
6,700.00	90.39	135.312	4,982.49	-603.92	2,375.20	2,116.91	0.00	0.00	0.00
6,800.00	90.39	135.312	4,981.81	-675.01	2,445.52	2,216.91	0.00	0.00	0.00
6,900.00	90.39	135.312	4,981.12	-746.10	2,515.84	2,316.90	0.00	0.00	0.00
7,000.00	90.39	135.312	4,980.44	-817.20	2,586.17	2,416.90	0.00	0.00	0.00
7,100.00	90.39	135.312	4,979.75	-888.29	2,656.49	2,516.90	0.00	0.00	0.00
7,200.00	90.39	135.312	4,979.07	-959.38	2,726.81	2,616.90	0.00	0.00	0.00
7,300.00	90.39	135.312	4,978.38	-1,030.48	2,797.14	2,716.89	0.00	0.00	0.00
7,400.00	90.39	135.312	4,977.70	-1,101.57	2,867.46	2,816.89	0.00	0.00	0.00
7,500.00	90.39	135.312	4,977.01	-1,172.66	2,937.78	2,916.89	0.00	0.00	0.00
7,600.00	90.39	135.312	4,976.33	-1,243.76	3,008.10	3,016.89	0.00	0.00	0.00
7,700.00	90.39	135.312	4,975.64	-1,314.85	3,078.43	3,116.88	0.00	0.00	0.00
7,800.00	90.39	135.312	4,974.96	-1,385.94	3,148.75	3,216.88	0.00	0.00	0.00
7,900.00	90.39	135.312	4,974.27	-1,457.04	3,219.07	3,316.88	0.00	0.00	0.00
8,000.00	90.39	135.312	4,973.59	-1,528.13	3,289.39	3,416.88	0.00	0.00	0.00
8,100.00	90.39	135.312	4,972.90	-1,599.22	3,359.72	3,516.88	0.00	0.00	0.00
8,200.00	90.39	135.312	4,972.22	-1,670.32	3,430.04	3,616.87	0.00	0.00	0.00
8,300.00	90.39	135.312	4,971.53	-1,741.41	3,500.36	3,716.87	0.00	0.00	0.00
8,400.00	90.39	135.312	4,970.85	-1,812.50	3,570.69	3,816.87	0.00	0.00	0.00
8,500.00	90.39	135.312	4,970.16	-1,883.60	3,641.01	3,916.87	0.00	0.00	0.00
8,600.00	90.39	135.312	4,969.47	-1,954.69	3,711.33	4,016.86	0.00	0.00	0.00
8,700.00	90.39	135.312	4,968.79	-2,025.78	3,781.65	4,116.86	0.00	0.00	0.00
8,800.00	90.39	135.312	4,968.10	-2,096.87	3,851.98	4,216.86	0.00	0.00	0.00

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,900.00	90.39	135.312	4,967.42	-2,167.97	3,922.30	4,316.86	0.00	0.00	0.00
9,000.00	90.39	135.312	4,966.73	-2,239.06	3,992.62	4,416.85	0.00	0.00	0.00
9,100.00	90.39	135.312	4,966.05	-2,310.15	4,062.95	4,516.85	0.00	0.00	0.00
9,200.00	90.39	135.312	4,965.36	-2,381.25	4,133.27	4,616.85	0.00	0.00	0.00
9,300.00	90.39	135.312	4,964.68	-2,452.34	4,203.59	4,716.85	0.00	0.00	0.00
9,400.00	90.39	135.312	4,963.99	-2,523.43	4,273.91	4,816.84	0.00	0.00	0.00
9,500.00	90.39	135.312	4,963.31	-2,594.53	4,344.24	4,916.84	0.00	0.00	0.00
9,600.00	90.39	135.312	4,962.62	-2,665.62	4,414.56	5,016.84	0.00	0.00	0.00
9,700.00	90.39	135.312	4,961.94	-2,736.71	4,484.88	5,116.84	0.00	0.00	0.00
9,800.00	90.39	135.312	4,961.25	-2,807.81	4,555.21	5,216.84	0.00	0.00	0.00
9,900.00	90.39	135.312	4,960.57	-2,878.90	4,625.53	5,316.83	0.00	0.00	0.00
10,000.00	90.39	135.312	4,959.88	-2,949.99	4,695.85	5,416.83	0.00	0.00	0.00
10,100.00	90.39	135.312	4,959.20	-3,021.09	4,766.17	5,516.83	0.00	0.00	0.00
10,200.00	90.39	135.312	4,958.51	-3,092.18	4,836.50	5,616.83	0.00	0.00	0.00
10,300.00	90.39	135.312	4,957.83	-3,163.27	4,906.82	5,716.82	0.00	0.00	0.00
10,400.00	90.39	135.312	4,957.14	-3,234.36	4,977.14	5,816.82	0.00	0.00	0.00
10,500.00	90.39	135.312	4,956.45	-3,305.46	5,047.46	5,916.82	0.00	0.00	0.00
10,600.00	90.39	135.312	4,955.77	-3,376.55	5,117.79	6,016.82	0.00	0.00	0.00
10,700.00	90.39	135.312	4,955.08	-3,447.64	5,188.11	6,116.81	0.00	0.00	0.00
10,800.00	90.39	135.312	4,954.40	-3,518.74	5,258.43	6,216.81	0.00	0.00	0.00
10,900.00	90.39	135.312	4,953.71	-3,589.83	5,328.76	6,316.81	0.00	0.00	0.00
11,000.00	90.39	135.312	4,953.03	-3,660.92	5,399.08	6,416.81	0.00	0.00	0.00
11,100.00	90.39	135.312	4,952.34	-3,732.02	5,469.40	6,516.81	0.00	0.00	0.00
11,200.00	90.39	135.312	4,951.66	-3,803.11	5,539.72	6,616.80	0.00	0.00	0.00
11,300.00	90.39	135.312	4,950.97	-3,874.20	5,610.05	6,716.80	0.00	0.00	0.00
11,400.00	90.39	135.312	4,950.29	-3,945.30	5,680.37	6,816.80	0.00	0.00	0.00
11,500.00	90.39	135.312	4,949.60	-4,016.39	5,750.69	6,916.80	0.00	0.00	0.00
11,600.00	90.39	135.312	4,948.92	-4,087.48	5,821.02	7,016.79	0.00	0.00	0.00
11,700.00	90.39	135.312	4,948.23	-4,158.58	5,891.34	7,116.79	0.00	0.00	0.00
11,800.00	90.39	135.312	4,947.55	-4,229.67	5,961.66	7,216.79	0.00	0.00	0.00
11,879.77	90.39	135.312	4,947.00	-4,286.38	6,017.76	7,296.55	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Betonnie Tsosie 721H ve - plan hits target center - Point	0.00	0.000	4,386.87	602.60	1,181.75	1,899,557.671	2,767,942.120	36.220397370	-107.681278451
Betonnie Tsosie 721H Bl - plan hits target center - Point	0.00	0.000	4,947.00	-4,286.38	6,017.76	1,894,668.702	2,772,778.114	36.206945000	-107.664912000
Betonnie Tsosie 721H F - plan hits target center - Point	0.00	0.000	4,989.81	155.05	1,624.45	1,899,110.122	2,768,384.816	36.219166000	-107.679780000
Betonnie Tsosie 721H V - plan misses target center by 592.48ft at 4992.42ft MD (4694.37 TVD, 538.97 N, 1244.70 E) - Point	0.00	0.000	4,997.00	901.09	886.49	1,899,856.160	2,767,646.860	36.221218613	-107.682277879

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
3,211.38	3,012.00	9 5/8" Csg	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
762.00	762.00	Ojo Alamo		-0.39	135.312
832.02	832.00	Kirtland		-0.39	135.312
1,020.87	1,019.96	Fruitland		-0.39	135.312
1,383.32	1,371.78	Pictured Cliffs		-0.39	135.312
1,524.74	1,503.67	Lewis		-0.39	135.312
1,789.18	1,741.42	Chacra_A		-0.39	135.312
3,007.92	2,830.23	Cliff House_Basal		-0.39	135.312
3,041.46	2,860.20	Menefee		-0.39	135.312
4,048.90	3,774.29	Point Lookout		-0.39	135.312
4,245.64	3,966.20	Mancos		-0.39	135.312
4,565.11	4,284.14	MNCS_A		-0.39	135.312
4,660.11	4,379.14	MNCS_B		-0.39	135.312
4,745.31	4,464.11	MNCS_C		-0.39	135.312
4,790.96	4,509.05	MNCS_Cms		-0.39	135.312
4,931.96	4,641.74	MNCS_D		-0.39	135.312
5,085.02	4,768.15	MNCS_E		-0.39	135.312
5,155.59	4,817.81	MNCS_F		-0.39	135.312
5,285.88	4,892.09	MNCS_G		-0.39	135.312
5,378.75	4,936.53	MNCS_H		-0.39	135.312
5,480.09	4,970.88	MNCS_I		-0.39	135.312

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
750.00	750.00	18.92	-5.34	KOP Begin 3°/100' build
1,639.89	1,608.04	108.76	177.37	Begin 26.70° tangent
3,677.95	3,428.83	512.77	999.05	Begin 3°/100' drop
4,567.84	4,286.87	602.60	1,181.75	Begin vertical hold
4,667.84	4,386.87	602.60	1,181.75	Begin 10°/100' build
5,267.84	4,883.07	398.93	1,383.22	Begin 60.00° tangent
5,327.84	4,913.07	361.99	1,419.76	Begin 10°/100' build
5,631.76	4,989.81	155.53	1,623.98	Begin 90.39° lateral
11,879.77	4,947.00	-4,286.38	6,017.76	PBHL @ 11879.77 MD 4947.00 TVD

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project San Juan County, New Mexico NAD83 NM W

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

Site Betonnie Tsosie Wash Unit (305, 306 & 721)

Site Position:		**Northing:**	1,898,955.071 usft	**Latitude:**	36.218747000
From:	Lat/Long	**Easting:**	2,766,760.370 usft	**Longitude:**	-107.685288000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Betonnie Tsosie Wash Unit 721H, Surf loc: 387 FNL 2064 FEL Section 21-T23N-R08W

Well Position	**+N/-S**	18.92 ft	**Northing:**	1,898,973.992 usft	**Latitude:**	36.218799000
	+E/-W	-5.34 ft	**Easting:**	2,766,755.032 usft	**Longitude:**	-107.685306000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,837.00 ft
Grid Convergence:		0.09 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/15/2024	8.50	62.69	49,045.95156439

Design rev0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	18.92	-5.34	135.312

Plan Survey Tool Program **Date** 1/16/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	11,879.77	rev0 (Original Hole)	MWD OWSG MWD - Standard	

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	18.92	-5.34	0.00	0.00	0.00	0.00	
750.00	0.00	0.000	750.00	18.92	-5.34	0.00	0.00	0.00	0.00	
1,639.89	26.70	63.817	1,608.04	108.76	177.37	3.00	3.00	0.00	63.82	
3,677.95	26.70	63.817	3,428.83	512.77	999.05	0.00	0.00	0.00	0.00	
4,567.84	0.00	0.000	4,286.87	602.60	1,181.75	3.00	-3.00	0.00	180.00	
4,667.84	0.00	0.000	4,386.87	602.60	1,181.75	0.00	0.00	0.00	0.00	Betonnie Tsosie 721H
5,267.84	60.00	135.312	4,883.07	398.93	1,383.22	10.00	10.00	0.00	135.31	
5,327.84	60.00	135.312	4,913.07	361.99	1,419.76	0.00	0.00	0.00	0.00	
5,631.76	90.39	135.312	4,989.81	155.53	1,623.98	10.00	10.00	0.00	0.00	
11,879.77	90.39	135.312	4,947.00	-4,286.38	6,017.76	0.00	0.00	0.00	0.00	Betonnie Tsosie 721H

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
100.00	0.00	0.000	100.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
200.00	0.00	0.000	200.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
300.00	0.00	0.000	300.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
400.00	0.00	0.000	400.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
500.00	0.00	0.000	500.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
600.00	0.00	0.000	600.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
700.00	0.00	0.000	700.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
750.00	0.00	0.000	750.00	18.92	-5.34	1,898,973.992	2,766,755.032	36.218799000	-107.685306000
800.00	1.50	63.817	799.99	19.21	-4.75	1,898,974.280	2,766,755.619	36.218799791	-107.685304007
900.00	4.50	63.817	899.85	21.52	-0.05	1,898,976.589	2,766,760.315	36.218806114	-107.685288075
1,000.00	7.50	63.817	999.29	26.13	9.32	1,898,981.201	2,766,769.694	36.218818744	-107.685256254
1,100.00	10.50	63.817	1,098.04	33.03	23.36	1,898,988.103	2,766,783.731	36.218837644	-107.685208631
1,200.00	13.50	63.817	1,195.85	42.20	42.02	1,898,997.276	2,766,802.387	36.218862764	-107.685145337
1,300.00	16.50	63.817	1,292.43	53.62	65.24	1,899,008.694	2,766,825.610	36.218894035	-107.685066546
1,400.00	19.50	63.817	1,387.52	67.26	92.97	1,899,022.328	2,766,853.338	36.218931371	-107.684972474
1,500.00	22.50	63.817	1,480.87	83.07	125.12	1,899,038.138	2,766,885.494	36.218974669	-107.684863377
1,600.00	25.50	63.817	1,572.22	101.01	161.62	1,899,056.083	2,766,921.990	36.219023811	-107.684739556
1,639.89	26.70	63.817	1,608.04	108.76	177.37	1,899,063.826	2,766,937.737	36.219045014	-107.684686130
1,700.00	26.70	63.817	1,661.74	120.67	201.60	1,899,075.742	2,766,961.971	36.219077646	-107.684603908
1,800.00	26.70	63.817	1,751.08	140.49	241.92	1,899,095.565	2,767,002.288	36.219131933	-107.684467123
1,900.00	26.70	63.817	1,840.42	160.32	282.24	1,899,115.388	2,767,042.605	36.219186219	-107.684330338
2,000.00	26.70	63.817	1,929.76	180.14	322.55	1,899,135.212	2,767,082.921	36.219240505	-107.684193553
2,100.00	26.70	63.817	2,019.10	199.96	362.87	1,899,155.035	2,767,123.238	36.219294791	-107.684056767
2,200.00	26.70	63.817	2,108.44	219.79	403.19	1,899,174.858	2,767,163.555	36.219349077	-107.683919982
2,300.00	26.70	63.817	2,197.78	239.61	443.50	1,899,194.682	2,767,203.872	36.219403362	-107.683783196
2,400.00	26.70	63.817	2,287.12	259.43	483.82	1,899,214.505	2,767,244.188	36.219457648	-107.683646410
2,500.00	26.70	63.817	2,376.46	279.26	524.14	1,899,234.328	2,767,284.505	36.219511933	-107.683509625
2,600.00	26.70	63.817	2,465.80	299.08	564.45	1,899,254.152	2,767,324.822	36.219566218	-107.683372839
2,700.00	26.70	63.817	2,555.14	318.90	604.77	1,899,273.975	2,767,365.139	36.219620503	-107.683236052
2,800.00	26.70	63.817	2,644.48	338.73	645.09	1,899,293.798	2,767,405.455	36.219674788	-107.683099265
2,900.00	26.70	63.817	2,733.82	358.55	685.40	1,899,313.622	2,767,445.772	36.219729073	-107.682962478
3,000.00	26.70	63.817	2,823.16	378.37	725.72	1,899,333.445	2,767,486.089	36.219783357	-107.682825691
3,100.00	26.70	63.817	2,912.50	398.20	766.04	1,899,353.268	2,767,526.405	36.219837642	-107.682688904
3,200.00	26.70	63.817	3,001.84	418.02	806.35	1,899,373.091	2,767,566.722	36.219891926	-107.682552117
3,300.00	26.70	63.817	3,091.18	437.85	846.67	1,899,392.915	2,767,607.039	36.219946210	-107.682415329
3,400.00	26.70	63.817	3,180.52	457.67	886.99	1,899,412.738	2,767,647.356	36.220000494	-107.682278541
3,500.00	26.70	63.817	3,269.86	477.49	927.30	1,899,432.561	2,767,687.672	36.220054777	-107.682141753
3,600.00	26.70	63.817	3,359.20	497.32	967.62	1,899,452.385	2,767,727.989	36.220109061	-107.682004965
3,677.95	26.70	63.817	3,428.83	512.77	999.05	1,899,467.836	2,767,759.415	36.220151373	-107.681898342
3,700.00	26.04	63.817	3,448.59	517.09	1,007.84	1,899,472.158	2,767,768.204	36.220163207	-107.681868523
3,800.00	23.04	63.817	3,539.55	535.41	1,045.10	1,899,490.478	2,767,805.463	36.220213374	-107.681742106
3,900.00	20.04	63.817	3,632.56	551.60	1,078.03	1,899,506.673	2,767,838.400	36.220257721	-107.681630357
4,000.00	17.04	63.817	3,727.36	565.63	1,106.56	1,899,520.697	2,767,866.924	36.220296125	-107.681533581
4,100.00	14.04	63.817	3,823.70	577.44	1,130.59	1,899,532.514	2,767,890.955	36.220328482	-107.681452044
4,200.00	11.04	63.817	3,921.30	587.02	1,150.06	1,899,542.089	2,767,910.430	36.220354703	-107.681385970
4,300.00	8.04	63.817	4,019.91	594.33	1,164.93	1,899,549.397	2,767,925.294	36.220374715	-107.681335539
4,400.00	5.04	63.817	4,119.25	599.35	1,175.14	1,899,554.419	2,767,935.506	36.220388465	-107.681300891
4,500.00	2.04	63.817	4,219.05	602.07	1,180.67	1,899,557.139	2,767,941.038	36.220395914	-107.681282119
4,567.84	0.00	0.000	4,286.87	602.60	1,181.75	1,899,557.671	2,767,942.120	36.220397370	-107.681278451
4,600.00	0.00	0.000	4,319.03	602.60	1,181.75	1,899,557.671	2,767,942.120	36.220397370	-107.681278451
4,667.84	0.00	0.000	4,386.87	602.60	1,181.75	1,899,557.671	2,767,942.120	36.220397370	-107.681278451
4,700.00	3.22	135.312	4,419.02	601.96	1,182.39	1,899,557.029	2,767,942.754	36.220395604	-107.681276303
4,750.00	8.22	135.312	4,468.75	598.42	1,185.89	1,899,553.489	2,767,946.255	36.220385866	-107.681264452

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,800.00	13.22	135.312	4,517.86	591.81	1,192.42	1,899,546.882	2,767,952.792	36.220367685	-107.681242328
4,850.00	18.22	135.312	4,565.98	582.19	1,201.95	1,899,537.256	2,767,962.313	36.220341202	-107.681210098
4,900.00	23.22	135.312	4,612.73	569.62	1,214.38	1,899,524.685	2,767,974.748	36.220306616	-107.681168010
4,950.00	28.22	135.312	4,657.77	554.20	1,229.63	1,899,509.266	2,767,990.000	36.220264191	-107.681116381
5,000.00	33.22	135.312	4,700.74	536.04	1,247.59	1,899,491.114	2,768,007.955	36.220214250	-107.681055607
5,050.00	38.22	135.312	4,741.32	515.30	1,268.11	1,899,470.369	2,768,028.475	36.220157173	-107.680986149
5,100.00	43.22	135.312	4,779.21	492.12	1,291.04	1,899,447.189	2,768,051.405	36.220093395	-107.680908536
5,150.00	48.22	135.312	4,814.11	466.68	1,316.20	1,899,421.749	2,768,076.569	36.220023401	-107.680823358
5,200.00	53.22	135.312	4,845.75	439.17	1,343.41	1,899,394.243	2,768,103.777	36.219947723	-107.680731265
5,250.00	58.22	135.312	4,873.91	409.81	1,372.45	1,899,364.881	2,768,132.821	36.219866938	-107.680632956
5,267.84	60.00	135.312	4,883.07	398.93	1,383.22	1,899,354.000	2,768,143.584	36.219836999	-107.680596523
5,300.00	60.00	135.312	4,899.15	379.13	1,402.81	1,899,334.197	2,768,163.173	36.219782514	-107.680530219
5,327.84	60.00	135.312	4,913.07	361.99	1,419.76	1,899,317.058	2,768,180.126	36.219735358	-107.680472835
5,350.00	62.22	135.312	4,923.77	348.19	1,433.40	1,899,303.263	2,768,193.771	36.219697404	-107.680426648
5,400.00	67.22	135.312	4,945.12	316.06	1,465.19	1,899,271.131	2,768,225.555	36.219608997	-107.680319066
5,450.00	72.22	135.312	4,962.45	282.73	1,498.16	1,899,237.799	2,768,258.526	36.219517287	-107.680207465
5,500.00	77.22	135.312	4,975.63	248.45	1,532.07	1,899,203.520	2,768,292.434	36.219422972	-107.680092694
5,550.00	82.22	135.312	4,984.55	213.48	1,566.65	1,899,168.554	2,768,327.020	36.219326770	-107.679975626
5,600.00	87.22	135.312	4,989.15	178.10	1,601.66	1,899,133.169	2,768,362.022	36.219229412	-107.679857153
5,631.76	90.39	135.312	4,989.81	155.53	1,623.98	1,899,110.596	2,768,384.351	36.219167302	-107.679781573
5,700.00	90.39	135.312	4,989.35	107.01	1,671.97	1,899,062.084	2,768,432.338	36.219033827	-107.679619151
5,800.00	90.39	135.312	4,988.66	35.92	1,742.29	1,898,990.991	2,768,502.660	36.218838222	-107.679381127
5,900.00	90.39	135.312	4,987.98	-35.17	1,812.62	1,898,919.898	2,768,572.984	36.218642617	-107.679143103
6,000.00	90.39	135.312	4,987.29	-106.27	1,882.94	1,898,848.805	2,768,643.306	36.218447011	-107.678905081
6,100.00	90.39	135.312	4,986.61	-177.36	1,953.26	1,898,777.712	2,768,713.629	36.218251405	-107.678667059
6,200.00	90.39	135.312	4,985.92	-248.45	2,023.58	1,898,706.619	2,768,783.952	36.218055798	-107.678429039
6,300.00	90.39	135.312	4,985.24	-319.55	2,093.91	1,898,635.526	2,768,854.274	36.217860190	-107.678191021
6,400.00	90.39	135.312	4,984.55	-390.64	2,164.23	1,898,564.433	2,768,924.597	36.217664583	-107.677953003
6,500.00	90.39	135.312	4,983.86	-461.73	2,234.55	1,898,493.340	2,768,994.920	36.217468974	-107.677714986
6,600.00	90.39	135.312	4,983.18	-532.83	2,304.88	1,898,422.247	2,769,065.242	36.217273366	-107.677476971
6,700.00	90.39	135.312	4,982.49	-603.92	2,375.20	1,898,351.154	2,769,135.565	36.217077756	-107.677238957
6,800.00	90.39	135.312	4,981.81	-675.01	2,445.52	1,898,280.061	2,769,205.888	36.216882147	-107.677000944
6,900.00	90.39	135.312	4,981.12	-746.10	2,515.84	1,898,208.968	2,769,276.210	36.216686536	-107.676762932
7,000.00	90.39	135.312	4,980.44	-817.20	2,586.17	1,898,137.875	2,769,346.533	36.216490926	-107.676524922
7,100.00	90.39	135.312	4,979.75	-888.29	2,656.49	1,898,066.782	2,769,416.856	36.216295314	-107.676286912
7,200.00	90.39	135.312	4,979.07	-959.38	2,726.81	1,897,995.689	2,769,487.178	36.216099703	-107.676048904
7,300.00	90.39	135.312	4,978.38	-1,030.48	2,797.14	1,897,924.596	2,769,557.501	36.215904091	-107.675810897
7,400.00	90.39	135.312	4,977.70	-1,101.57	2,867.46	1,897,853.503	2,769,627.823	36.215708478	-107.675572891
7,500.00	90.39	135.312	4,977.01	-1,172.66	2,937.78	1,897,782.410	2,769,698.146	36.215512865	-107.675334887
7,600.00	90.39	135.312	4,976.33	-1,243.76	3,008.10	1,897,711.317	2,769,768.469	36.215317251	-107.675096883
7,700.00	90.39	135.312	4,975.64	-1,314.85	3,078.43	1,897,640.224	2,769,838.791	36.215121637	-107.674858881
7,800.00	90.39	135.312	4,974.96	-1,385.94	3,148.75	1,897,569.131	2,769,909.114	36.214926023	-107.674620880
7,900.00	90.39	135.312	4,974.27	-1,457.04	3,219.07	1,897,498.038	2,769,979.437	36.214730408	-107.674382880
8,000.00	90.39	135.312	4,973.59	-1,528.13	3,289.39	1,897,426.945	2,770,049.759	36.214534792	-107.674144881
8,100.00	90.39	135.312	4,972.90	-1,599.22	3,359.72	1,897,355.852	2,770,120.082	36.214339176	-107.673906884
8,200.00	90.39	135.312	4,972.22	-1,670.32	3,430.04	1,897,284.759	2,770,190.405	36.214143560	-107.673668887
8,300.00	90.39	135.312	4,971.53	-1,741.41	3,500.36	1,897,213.666	2,770,260.727	36.213947943	-107.673430892
8,400.00	90.39	135.312	4,970.85	-1,812.50	3,570.69	1,897,142.573	2,770,331.050	36.213752326	-107.673192898
8,500.00	90.39	135.312	4,970.16	-1,883.60	3,641.01	1,897,071.480	2,770,401.373	36.213556708	-107.672954905
8,600.00	90.39	135.312	4,969.47	-1,954.69	3,711.33	1,897,000.387	2,770,471.695	36.213361090	-107.672716914
8,700.00	90.39	135.312	4,968.79	-2,025.78	3,781.65	1,896,929.294	2,770,542.018	36.213165471	-107.672478923
8,800.00	90.39	135.312	4,968.10	-2,096.87	3,851.98	1,896,858.201	2,770,612.340	36.212969852	-107.672240934
8,900.00	90.39	135.312	4,967.42	-2,167.97	3,922.30	1,896,787.108	2,770,682.663	36.212774232	-107.672002946
9,000.00	90.39	135.312	4,966.73	-2,239.06	3,992.62	1,896,716.015	2,770,752.986	36.212578612	-107.671764959

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,100.00	90.39	135.312	4,966.05	-2,310.15	4,062.95	1,896,644.922	2,770,823.308	36.212382991	-107.671526974
9,200.00	90.39	135.312	4,965.36	-2,381.25	4,133.27	1,896,573.829	2,770,893.631	36.212187370	-107.671288989
9,300.00	90.39	135.312	4,964.68	-2,452.34	4,203.59	1,896,502.736	2,770,963.954	36.211991748	-107.671051006
9,400.00	90.39	135.312	4,963.99	-2,523.43	4,273.91	1,896,431.643	2,771,034.276	36.211796126	-107.670813024
9,500.00	90.39	135.312	4,963.31	-2,594.53	4,344.24	1,896,360.550	2,771,104.599	36.211600503	-107.670575043
9,600.00	90.39	135.312	4,962.62	-2,665.62	4,414.56	1,896,289.457	2,771,174.922	36.211404880	-107.670337063
9,700.00	90.39	135.312	4,961.94	-2,736.71	4,484.88	1,896,218.364	2,771,245.244	36.211209257	-107.670099084
9,800.00	90.39	135.312	4,961.25	-2,807.81	4,555.21	1,896,147.271	2,771,315.567	36.211013633	-107.669861107
9,900.00	90.39	135.312	4,960.57	-2,878.90	4,625.53	1,896,076.178	2,771,385.890	36.210818008	-107.669623131
10,000.00	90.39	135.312	4,959.88	-2,949.99	4,695.85	1,896,005.085	2,771,456.212	36.210622383	-107.669385156
10,100.00	90.39	135.312	4,959.20	-3,021.09	4,766.17	1,895,933.991	2,771,526.535	36.210426758	-107.669147182
10,200.00	90.39	135.312	4,958.51	-3,092.18	4,836.50	1,895,862.898	2,771,596.857	36.210231132	-107.668909209
10,300.00	90.39	135.312	4,957.83	-3,163.27	4,906.82	1,895,791.805	2,771,667.180	36.210035505	-107.668671238
10,400.00	90.39	135.312	4,957.14	-3,234.36	4,977.14	1,895,720.712	2,771,737.503	36.209839878	-107.668433268
10,500.00	90.39	135.312	4,956.45	-3,305.46	5,047.46	1,895,649.619	2,771,807.825	36.209644251	-107.668195298
10,600.00	90.39	135.312	4,955.77	-3,376.55	5,117.79	1,895,578.526	2,771,878.148	36.209448623	-107.667957330
10,700.00	90.39	135.312	4,955.08	-3,447.64	5,188.11	1,895,507.433	2,771,948.471	36.209252995	-107.667719364
10,800.00	90.39	135.312	4,954.40	-3,518.74	5,258.43	1,895,436.340	2,772,018.793	36.209057366	-107.667481398
10,900.00	90.39	135.312	4,953.71	-3,589.83	5,328.76	1,895,365.247	2,772,089.116	36.208861737	-107.667243434
11,000.00	90.39	135.312	4,953.03	-3,660.92	5,399.08	1,895,294.154	2,772,159.439	36.208666107	-107.667005471
11,100.00	90.39	135.312	4,952.34	-3,732.02	5,469.40	1,895,223.061	2,772,229.761	36.208470477	-107.666767509
11,200.00	90.39	135.312	4,951.66	-3,803.11	5,539.72	1,895,151.968	2,772,300.084	36.208274846	-107.666529548
11,300.00	90.39	135.312	4,950.97	-3,874.20	5,610.05	1,895,080.875	2,772,370.407	36.208079215	-107.666291588
11,400.00	90.39	135.312	4,950.29	-3,945.30	5,680.37	1,895,009.782	2,772,440.729	36.207883583	-107.666053630
11,500.00	90.39	135.312	4,949.60	-4,016.39	5,750.69	1,894,938.689	2,772,511.052	36.207687951	-107.665815673
11,600.00	90.39	135.312	4,948.92	-4,087.48	5,821.02	1,894,867.596	2,772,581.375	36.207492318	-107.665577717
11,700.00	90.39	135.312	4,948.23	-4,158.58	5,891.34	1,894,796.503	2,772,651.697	36.207296685	-107.665339762
11,800.00	90.39	135.312	4,947.55	-4,229.67	5,961.66	1,894,725.410	2,772,722.020	36.207101052	-107.665101808
11,879.77	90.39	135.312	4,947.00	-4,286.38	6,017.76	1,894,668.702	2,772,778.114	36.206945000	-107.664912000

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Betonnie Tsosie 721H ve - plan hits target center - Point	0.00	0.000	4,386.87	602.60	1,181.75	1,899,557.671	2,767,942.120	36.220397370	-107.681278451
Betonnie Tsosie 721H BI - plan hits target center - Point	0.00	0.000	4,947.00	-4,286.38	6,017.76	1,894,668.702	2,772,778.114	36.206945000	-107.664912000
Betonnie Tsosie 721H F - plan hits target center - Point	0.00	0.000	4,989.81	155.05	1,624.45	1,899,110.122	2,768,384.816	36.219166000	-107.679780000
Betonnie Tsosie 721H V - plan misses target center by 592.48ft at 4992.42ft MD (4694.37 TVD, 538.97 N, 1244.70 E) - Point	0.00	0.000	4,997.00	901.09	886.49	1,899,856.160	2,767,646.860	36.221218613	-107.682277879

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**North Reference:**	Grid
Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
3,211.38	3,012.00	9 5/8" Csg	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
762.00	762.00	Ojo Alamo		-0.39	135.312
832.02	832.00	Kirtland		-0.39	135.312
1,020.87	1,019.96	Fruitland		-0.39	135.312
1,383.32	1,371.78	Pictured Cliffs		-0.39	135.312
1,524.74	1,503.67	Lewis		-0.39	135.312
1,789.18	1,741.42	Chacra_A		-0.39	135.312
3,007.92	2,830.23	Cliff House_Basal		-0.39	135.312
3,041.46	2,860.20	Menefee		-0.39	135.312
4,048.90	3,774.29	Point Lookout		-0.39	135.312
4,245.64	3,966.20	Mancos		-0.39	135.312
4,565.11	4,284.14	MNCS_A		-0.39	135.312
4,660.11	4,379.14	MNCS_B		-0.39	135.312
4,745.31	4,464.11	MNCS_C		-0.39	135.312
4,790.96	4,509.05	MNCS_Cms		-0.39	135.312
4,931.96	4,641.74	MNCS_D		-0.39	135.312
5,085.02	4,768.15	MNCS_E		-0.39	135.312
5,155.59	4,817.81	MNCS_F		-0.39	135.312
5,285.88	4,892.09	MNCS_G		-0.39	135.312
5,378.75	4,936.53	MNCS_H		-0.39	135.312
5,480.09	4,970.88	MNCS_I		-0.39	135.312

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
750.00	750.00	18.92	-5.34	KOP Begin 3°/100' build
1,639.89	1,608.04	108.76	177.37	Begin 26.70° tangent
3,677.95	3,428.83	512.77	999.05	Begin 3°/100' drop
4,567.84	4,286.87	602.60	1,181.75	Begin vertical hold
4,667.84	4,386.87	602.60	1,181.75	Begin 10°/100' build
5,267.84	4,883.07	398.93	1,383.22	Begin 60.00° tangent
5,327.84	4,913.07	361.99	1,419.76	Begin 10°/100' build
5,631.76	4,989.81	155.53	1,623.98	Begin 90.39° lateral
11,879.77	4,947.00	-4,286.38	6,017.76	PBHL @ 11879.77 MD 4947.00 TVD

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference	rev0		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.00ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,387.98ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 1/16/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	11,879.77	rev0 (Original Hole)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Betonnie Tsosie Wash Unit (305, 306 & 721)						
Betonnie Tsosie Wash Unit 305H - Original Hole - rev0	700.00	700.00	19.66	15.09	4.301	CC
Betonnie Tsosie Wash Unit 305H - Original Hole - rev0	800.00	799.99	19.79	14.50	3.744	ES
Betonnie Tsosie Wash Unit 305H - Original Hole - rev0	11,879.77	12,951.44	1,200.18	857.73	3.505	SF
Betonnie Tsosie Wash Unit 306H - Original Hole - rev0	800.00	801.01	33.14	27.85	6.255	CC, ES, SF

Offset Design: Betonnie Tsosie Wash Unit (305, 306 & 721) - Betonnie Tsosie Wash Unit 305H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	164.24	0.00	0.00	19.66				
100.00	100.00	100.00	100.00	0.13	0.13	164.24	0.00	0.00	19.66	19.39	0.27	73.124	
200.00	200.00	200.00	200.00	0.49	0.49	164.24	0.00	0.00	19.66	18.67	0.99	19.943	
300.00	300.00	300.00	300.00	0.85	0.85	164.24	0.00	0.00	19.66	17.96	1.70	11.546	
400.00	400.00	400.00	400.00	1.21	1.21	164.24	0.00	0.00	19.66	17.24	2.42	8.125	
500.00	500.00	500.00	500.00	1.57	1.57	164.24	0.00	0.00	19.66	16.52	3.14	6.268	
600.00	600.00	600.00	600.00	1.93	1.93	164.24	0.00	0.00	19.66	15.81	3.85	5.102	
700.00	700.00	700.00	700.00	2.29	2.29	164.24	0.00	0.00	19.66	15.09	4.57	4.301	CC
702.41	702.41	702.41	702.41	2.29	2.29	100.43	0.00	0.00	19.66	15.07	4.59	4.285	
800.00	799.99	799.99	799.99	2.64	2.64	102.29	0.00	0.00	19.79	14.50	5.29	3.744	ES
900.00	899.85	899.85	899.85	2.99	3.00	115.97	0.00	0.00	21.52	15.52	6.00	3.589	
1,000.00	999.29	999.29	999.29	3.36	3.36	135.57	0.00	0.00	27.74	21.03	6.71	4.133	
1,100.00	1,098.04	1,098.48	1,098.44	3.73	3.71	154.65	1.94	-1.64	39.90	32.47	7.43	5.370	
1,200.00	1,195.85	1,195.69	1,195.35	4.14	4.06	170.43	7.66	-6.46	59.53	51.39	8.14	7.314	
1,300.00	1,292.43	1,290.01	1,288.90	4.58	4.41	-178.62	16.80	-14.17	87.61	78.77	8.84	9.912	
1,400.00	1,387.52	1,380.67	1,378.16	5.08	4.75	-171.20	28.90	-24.39	123.82	114.29	9.53	12.997	
1,500.00	1,480.87	1,467.04	1,462.40	5.64	5.10	-165.96	43.43	-36.64	167.58	157.37	10.21	16.417	
1,600.00	1,572.22	1,548.62	1,541.11	6.27	5.45	-162.06	59.81	-50.47	218.28	207.40	10.88	20.067	
1,700.00	1,661.74	1,629.89	1,618.83	6.98	5.82	-159.40	77.96	-65.78	274.15	262.57	11.59	23.658	
1,800.00	1,751.08	1,712.11	1,697.43	7.72	6.22	-157.79	96.40	-81.34	330.64	318.31	12.32	26.827	
1,900.00	1,840.42	1,794.33	1,776.03	8.50	6.63	-156.65	114.84	-96.90	387.25	374.16	13.09	29.588	
2,000.00	1,929.76	1,876.56	1,854.64	9.29	7.05	-155.80	133.28	-112.46	443.94	430.06	13.87	31.998	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Betonnie Tsosie Wash Unit (305, 306 & 721) - Betonnie Tsosie Wash Unit 305H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,100.00	2,019.10	1,958.78	1,933.24	10.09	7.48	-155.14	151.72	-128.02	500.68	486.00	14.68	34.112	
2,200.00	2,108.44	2,041.00	2,011.84	10.91	7.92	-154.61	170.16	-143.58	557.45	541.96	15.50	35.975	
2,300.00	2,197.78	2,123.22	2,090.44	11.73	8.36	-154.18	188.60	-159.15	614.25	597.93	16.33	37.623	
2,400.00	2,287.12	2,205.45	2,169.05	12.57	8.82	-153.83	207.04	-174.71	671.07	653.91	17.17	39.087	
2,500.00	2,376.46	2,287.67	2,247.65	13.40	9.27	-153.53	225.48	-190.27	727.91	709.89	18.02	40.394	
2,600.00	2,465.80	2,369.89	2,326.25	14.25	9.73	-153.27	243.92	-205.83	784.76	765.88	18.88	41.565	
2,700.00	2,555.14	2,452.11	2,404.85	15.10	10.19	-153.05	262.36	-221.39	841.62	821.87	19.75	42.620	
2,800.00	2,644.48	2,534.34	2,483.46	15.95	10.66	-152.85	280.80	-236.95	898.48	877.86	20.62	43.574	
2,900.00	2,733.82	2,616.56	2,562.06	16.80	11.13	-152.68	299.24	-252.51	955.35	933.85	21.50	44.440	
3,000.00	2,823.16	2,698.78	2,640.66	17.66	11.60	-152.53	317.68	-268.07	1,012.23	989.85	22.38	45.228	
3,100.00	2,912.50	2,781.00	2,719.26	18.52	12.08	-152.39	336.12	-283.63	1,069.11	1,045.84	23.27	45.948	
3,200.00	3,001.84	2,863.23	2,797.87	19.38	12.55	-152.27	354.56	-299.19	1,125.99	1,101.83	24.16	46.608	
3,300.00	3,091.18	2,945.45	2,876.47	20.24	13.03	-152.16	373.00	-314.75	1,182.88	1,157.83	25.05	47.215	
3,400.00	3,180.52	3,027.67	2,955.07	21.10	13.51	-152.06	391.44	-330.31	1,239.77	1,213.82	25.95	47.774	
3,500.00	3,269.86	3,109.89	3,033.67	21.96	13.99	-151.97	409.88	-345.87	1,296.66	1,269.81	26.85	48.292	
3,600.00	3,359.20	3,192.12	3,112.28	22.83	14.47	-151.89	428.32	-361.43	1,353.55	1,325.80	27.75	48.771	
4,600.00	4,319.03	6,079.72	5,013.53	28.14	29.97	-134.94	-244.98	332.37	1,386.43	1,340.68	45.75	30.305	
4,700.00	4,419.02	6,079.86	5,013.53	28.33	29.97	91.38	-245.08	332.46	1,339.14	1,292.17	46.97	28.513	
4,800.00	4,517.86	6,093.38	5,013.42	28.58	30.19	95.22	-254.70	341.97	1,298.24	1,249.90	48.34	26.857	
4,900.00	4,612.73	6,123.88	5,013.19	28.89	30.69	97.36	-276.38	363.42	1,264.99	1,215.05	49.94	25.328	
5,000.00	4,700.74	6,170.43	5,012.84	29.29	31.46	98.02	-309.47	396.15	1,239.86	1,188.09	51.76	23.953	
5,100.00	4,779.21	6,231.61	5,012.37	29.78	32.50	97.52	-352.97	439.18	1,222.38	1,168.57	53.81	22.717	
5,200.00	4,845.75	6,305.58	5,011.81	30.38	33.78	96.29	-405.55	491.19	1,211.37	1,155.26	56.11	21.590	
5,300.00	4,899.15	6,389.63	5,011.17	31.11	35.29	94.60	-465.31	550.29	1,205.15	1,146.46	58.69	20.534	
5,400.00	4,945.12	6,477.98	5,010.49	31.93	36.92	92.87	-528.12	612.42	1,201.72	1,140.27	61.45	19.556	
5,500.00	4,975.63	6,572.85	5,009.77	32.90	38.71	91.59	-595.57	679.13	1,200.43	1,135.92	64.51	18.609	
5,600.00	4,989.15	6,671.69	5,009.02	33.98	40.61	90.95	-665.84	748.64	1,200.11	1,132.27	67.84	17.691	
5,697.52	4,991.25	6,769.16	5,008.27	35.14	42.52	90.81	-735.14	817.18	1,200.07	1,128.81	71.26	16.841	
5,700.00	4,989.35	6,771.68	5,008.25	35.17	42.57	90.90	-736.92	818.95	1,200.10	1,128.74	71.35	16.819	
5,800.00	4,988.66	6,871.68	5,007.49	36.47	44.56	90.90	-808.02	889.27	1,200.10	1,125.10	75.00	16.002	
5,900.00	4,987.98	6,971.68	5,006.73	37.86	46.58	90.90	-879.11	959.59	1,200.10	1,121.35	78.75	15.240	
6,000.00	4,987.29	7,071.68	5,005.97	39.34	48.63	90.89	-950.21	1,029.91	1,200.10	1,117.52	82.58	14.532	
6,100.00	4,986.61	7,171.68	5,005.21	40.89	50.69	90.89	-1,021.30	1,100.23	1,200.10	1,113.60	86.50	13.874	
6,200.00	4,985.92	7,271.68	5,004.44	42.52	52.78	90.88	-1,092.40	1,170.55	1,200.10	1,109.62	90.48	13.263	
6,300.00	4,985.24	7,371.68	5,003.68	44.21	54.88	90.88	-1,163.49	1,240.88	1,200.10	1,105.58	94.52	12.696	
6,400.00	4,984.55	7,471.68	5,002.92	45.96	56.99	90.88	-1,234.59	1,311.20	1,200.10	1,101.49	98.61	12.170	
6,500.00	4,983.86	7,571.68	5,002.16	47.75	59.12	90.87	-1,305.68	1,381.52	1,200.11	1,097.36	102.75	11.680	
6,600.00	4,983.18	7,671.68	5,001.40	49.59	61.26	90.87	-1,376.77	1,451.84	1,200.11	1,093.19	106.92	11.224	
6,700.00	4,982.49	7,771.68	5,000.63	51.47	63.40	90.87	-1,447.87	1,522.16	1,200.11	1,088.98	111.13	10.800	
6,800.00	4,981.81	7,871.68	4,999.87	53.38	65.56	90.86	-1,518.96	1,592.48	1,200.11	1,084.75	115.36	10.403	
6,900.00	4,981.12	7,971.68	4,999.11	55.32	67.73	90.86	-1,590.06	1,662.80	1,200.11	1,080.49	119.62	10.032	
7,000.00	4,980.44	8,071.68	4,998.35	57.29	69.91	90.86	-1,661.15	1,733.12	1,200.11	1,076.20	123.91	9.685	
7,100.00	4,979.75	8,171.68	4,997.58	59.29	72.09	90.85	-1,732.25	1,803.44	1,200.11	1,071.90	128.22	9.360	
7,200.00	4,979.07	8,271.68	4,996.82	61.30	74.28	90.85	-1,803.34	1,873.76	1,200.11	1,067.57	132.54	9.055	
7,300.00	4,978.38	8,371.68	4,996.06	63.34	76.47	90.84	-1,874.44	1,944.08	1,200.12	1,063.23	136.88	8.768	
7,400.00	4,977.70	8,471.68	4,995.30	65.39	78.67	90.84	-1,945.53	2,014.40	1,200.12	1,058.88	141.24	8.497	
7,500.00	4,977.01	8,571.68	4,994.54	67.46	80.88	90.84	-2,016.62	2,084.72	1,200.12	1,054.51	145.61	8.242	
7,600.00	4,976.33	8,671.68	4,993.77	69.55	83.09	90.83	-2,087.72	2,155.04	1,200.12	1,050.12	150.00	8.001	
7,700.00	4,975.64	8,771.68	4,993.01	71.65	85.30	90.83	-2,158.81	2,225.36	1,200.12	1,045.73	154.39	7.773	
7,800.00	4,974.96	8,871.67	4,992.25	73.76	87.52	90.83	-2,229.91	2,295.68	1,200.12	1,041.32	158.80	7.558	
7,900.00	4,974.27	8,971.67	4,991.49	75.88	89.74	90.82	-2,301.00	2,366.01	1,200.12	1,036.91	163.21	7.353	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Betonnie Tsosie Wash Unit (305, 306 & 721) - Betonnie Tsosie Wash Unit 305H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Rule Assigned: Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,000.00	4,973.59	9,071.67	4,990.73	78.01	91.96	90.82	-2,372.10	2,436.33	1,200.13	1,032.49	167.64	7.159	
8,100.00	4,972.90	9,171.67	4,989.96	80.15	94.19	90.81	-2,443.19	2,506.65	1,200.13	1,028.06	172.07	6.975	
8,200.00	4,972.22	9,271.67	4,989.20	82.29	96.42	90.81	-2,514.29	2,576.97	1,200.13	1,023.62	176.51	6.799	
8,300.00	4,971.53	9,371.67	4,988.44	84.45	98.65	90.81	-2,585.38	2,647.29	1,200.13	1,019.17	180.96	6.632	
8,400.00	4,970.85	9,471.67	4,987.68	86.61	100.89	90.80	-2,656.47	2,717.61	1,200.13	1,014.72	185.41	6.473	
8,500.00	4,970.16	9,571.67	4,986.92	88.78	103.13	90.80	-2,727.57	2,787.93	1,200.13	1,010.26	189.87	6.321	
8,600.00	4,969.47	9,671.67	4,986.15	90.96	105.37	90.80	-2,798.66	2,858.25	1,200.13	1,005.80	194.34	6.175	
8,700.00	4,968.79	9,771.67	4,985.39	93.14	107.61	90.79	-2,869.76	2,928.57	1,200.13	1,001.33	198.81	6.037	
8,800.00	4,968.10	9,871.67	4,984.63	95.33	109.85	90.79	-2,940.85	2,998.89	1,200.14	996.85	203.28	5.904	
8,900.00	4,967.42	9,971.67	4,983.87	97.52	112.10	90.79	-3,011.95	3,069.21	1,200.14	992.37	207.76	5.776	
9,000.00	4,966.73	10,071.67	4,983.11	99.71	114.35	90.78	-3,083.04	3,139.53	1,200.14	987.89	212.25	5.654	
9,100.00	4,966.05	10,171.67	4,982.34	101.91	116.60	90.78	-3,154.14	3,209.85	1,200.14	983.40	216.74	5.537	
9,200.00	4,965.36	10,271.67	4,981.58	104.12	118.85	90.77	-3,225.23	3,280.17	1,200.14	978.91	221.23	5.425	
9,300.00	4,964.68	10,371.67	4,980.82	106.33	121.10	90.77	-3,296.32	3,350.49	1,200.14	974.42	225.72	5.317	
9,400.00	4,963.99	10,471.67	4,980.06	108.54	123.35	90.77	-3,367.42	3,420.82	1,200.14	969.92	230.22	5.213	
9,500.00	4,963.31	10,571.67	4,979.29	110.75	125.61	90.76	-3,438.51	3,491.14	1,200.15	965.42	234.72	5.113	
9,600.00	4,962.62	10,671.67	4,978.53	112.97	127.86	90.76	-3,509.61	3,561.46	1,200.15	960.92	239.23	5.017	
9,700.00	4,961.94	10,771.67	4,977.77	115.19	130.12	90.76	-3,580.70	3,631.78	1,200.15	956.41	243.74	4.924	
9,800.00	4,961.25	10,871.67	4,977.01	117.41	132.38	90.75	-3,651.80	3,702.10	1,200.15	951.91	248.24	4.835	
9,900.00	4,960.57	10,971.67	4,976.25	119.64	134.64	90.75	-3,722.89	3,772.42	1,200.15	947.39	252.76	4.748	
10,000.00	4,959.88	11,071.67	4,975.48	121.87	136.90	90.74	-3,793.99	3,842.74	1,200.15	942.88	257.27	4.665	
10,100.00	4,959.20	11,171.67	4,974.72	124.10	139.16	90.74	-3,865.08	3,913.06	1,200.15	938.37	261.79	4.584	
10,200.00	4,958.51	11,271.67	4,973.96	126.33	141.42	90.74	-3,936.17	3,983.38	1,200.16	933.85	266.31	4.507	
10,300.00	4,957.83	11,371.67	4,973.20	128.57	143.69	90.73	-4,007.27	4,053.70	1,200.16	929.33	270.83	4.431	
10,400.00	4,957.14	11,471.67	4,972.44	130.80	145.95	90.73	-4,078.36	4,124.02	1,200.16	924.81	275.35	4.359	
10,500.00	4,956.45	11,571.67	4,971.67	133.04	148.21	90.73	-4,149.46	4,194.34	1,200.16	920.28	279.88	4.288	
10,600.00	4,955.77	11,671.67	4,970.91	135.28	150.48	90.72	-4,220.55	4,264.66	1,200.16	915.76	284.40	4.220	
10,700.00	4,955.08	11,771.67	4,970.15	137.52	152.75	90.72	-4,291.65	4,334.98	1,200.16	911.23	288.93	4.154	
10,800.00	4,954.40	11,871.67	4,969.39	139.77	155.01	90.72	-4,362.74	4,405.30	1,200.16	906.71	293.46	4.090	
10,900.00	4,953.71	11,971.67	4,968.63	142.01	157.28	90.71	-4,433.84	4,475.62	1,200.17	902.18	297.99	4.028	
11,000.00	4,953.03	12,071.67	4,967.86	144.26	159.55	90.71	-4,504.93	4,545.95	1,200.17	897.64	302.52	3.967	
11,100.00	4,952.34	12,171.67	4,967.10	146.51	161.82	90.70	-4,576.02	4,616.27	1,200.17	893.11	307.06	3.909	
11,200.00	4,951.66	12,271.67	4,966.34	148.76	164.09	90.70	-4,647.12	4,686.59	1,200.17	888.58	311.59	3.852	
11,300.00	4,950.97	12,371.67	4,965.58	151.01	166.36	90.70	-4,718.21	4,756.91	1,200.17	884.04	316.13	3.796	
11,400.00	4,950.29	12,471.67	4,964.82	153.26	168.63	90.69	-4,789.31	4,827.23	1,200.17	879.51	320.67	3.743	
11,500.00	4,949.60	12,571.67	4,964.05	155.51	170.90	90.69	-4,860.40	4,897.55	1,200.18	874.97	325.20	3.691	
11,600.00	4,948.92	12,671.67	4,963.29	157.76	173.17	90.69	-4,931.50	4,967.87	1,200.18	870.43	329.74	3.640	
11,700.00	4,948.23	12,771.67	4,962.53	160.02	175.44	90.68	-5,002.59	5,038.19	1,200.18	865.89	334.28	3.590	
11,800.00	4,947.55	12,871.67	4,961.77	162.27	177.71	90.68	-5,073.69	5,108.51	1,200.18	861.36	338.82	3.542	
11,879.77	4,947.00	12,951.44	4,961.16	164.07	179.53	90.68	-5,130.40	5,164.60	1,200.18	857.73	342.45	3.505 SF	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Betonnie Tsosie Wash Unit (305, 306 & 721) - Betonnie Tsosie Wash Unit 306H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

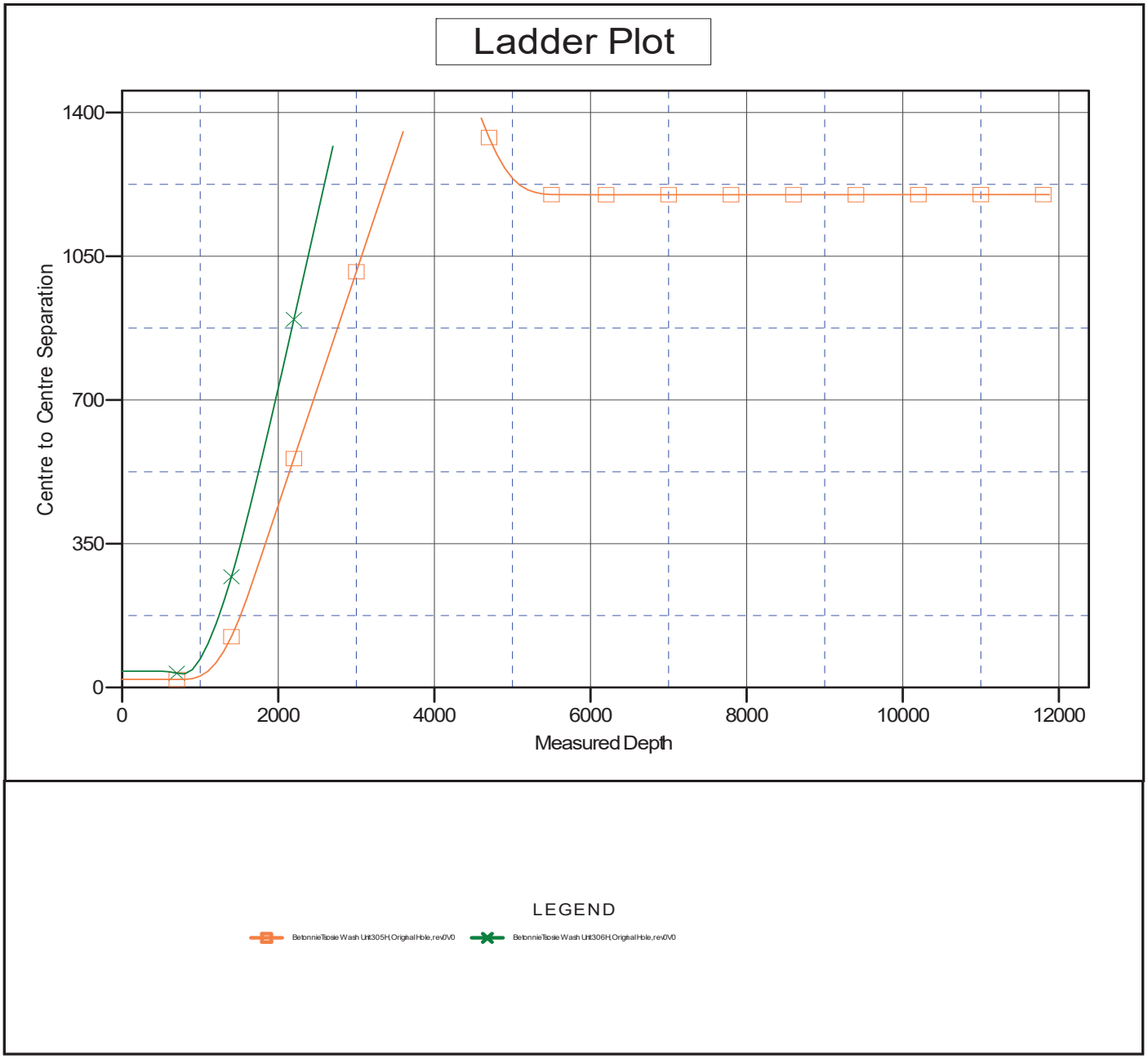
Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	163.98	-19.28	5.63	39.75				
100.00	100.00	100.00	100.00	0.13	0.13	163.98	-19.28	5.63	39.75	39.48	0.27	147.850	
200.00	200.00	200.00	200.00	0.49	0.49	163.98	-19.28	5.63	39.75	38.76	0.99	40.323	
300.00	300.00	300.00	300.00	0.85	0.85	163.98	-19.28	5.63	39.75	38.05	1.70	23.345	
400.00	400.00	400.00	400.00	1.21	1.21	163.98	-19.28	5.63	39.75	37.33	2.42	16.428	
500.00	500.00	500.00	500.00	1.57	1.57	163.98	-19.28	5.63	39.75	36.61	3.14	12.673	
600.00	600.00	601.11	601.06	1.93	1.93	167.27	-18.42	3.10	38.30	34.45	3.85	9.941	
700.00	700.00	701.65	701.28	2.29	2.29	178.52	-15.86	-4.44	34.82	30.25	4.57	7.620	
777.49	777.49	778.74	777.76	2.56	2.57	131.82	-12.76	-13.59	33.25	28.12	5.14	6.476	
800.00	799.99	801.01	799.76	2.64	2.66	137.45	-11.67	-16.78	33.14	27.85	5.30	6.255	CC, ES, SF
900.00	899.85	897.90	895.03	2.99	3.05	166.55	-6.01	-33.47	43.56	37.55	6.01	7.247	
1,000.00	999.29	991.09	985.70	3.36	3.46	-175.43	0.90	-53.82	69.34	62.66	6.68	10.379	
1,100.00	1,098.04	1,079.58	1,070.73	3.73	3.90	-166.54	8.78	-77.00	106.80	99.48	7.32	14.586	
1,200.00	1,195.85	1,162.61	1,149.40	4.14	4.36	-161.82	17.30	-102.12	153.47	145.53	7.94	19.325	
1,300.00	1,292.43	1,239.63	1,221.28	4.58	4.83	-158.95	26.19	-128.29	208.01	199.49	8.52	24.410	
1,400.00	1,387.52	1,310.33	1,286.24	5.08	5.30	-156.94	35.16	-154.72	269.51	260.43	9.08	29.672	
1,500.00	1,480.87	1,374.59	1,344.34	5.64	5.77	-155.31	43.98	-180.69	337.18	327.57	9.62	35.063	
1,600.00	1,572.22	1,432.42	1,395.81	6.27	6.23	-153.81	52.46	-205.64	410.31	400.19	10.12	40.537	
1,700.00	1,661.74	1,484.51	1,441.48	6.98	6.66	-153.26	60.51	-229.37	487.72	477.12	10.60	46.026	
1,800.00	1,751.08	1,533.30	1,483.62	7.72	7.10	-153.26	68.42	-252.66	566.86	555.82	11.04	51.356	
1,900.00	1,840.42	1,579.24	1,522.71	8.50	7.53	-153.19	76.18	-275.50	647.37	635.91	11.46	56.473	
2,000.00	1,929.76	1,622.51	1,558.99	9.29	7.96	-153.08	83.76	-297.84	729.14	717.26	11.88	61.395	
2,100.00	2,019.10	1,663.31	1,592.70	10.09	8.39	-152.95	91.15	-319.60	812.05	799.77	12.28	66.152	
2,200.00	2,108.44	1,702.62	1,624.71	10.91	8.80	-152.80	98.49	-341.21	896.01	883.34	12.67	70.733	
2,300.00	2,197.78	1,756.21	1,668.06	11.73	9.40	-152.61	108.62	-371.03	980.42	967.15	13.27	73.904	
2,400.00	2,287.12	1,809.80	1,711.42	12.57	10.00	-152.44	118.74	-400.85	1,064.83	1,050.96	13.87	76.755	
2,500.00	2,376.46	1,863.38	1,754.77	13.40	10.61	-152.30	128.87	-430.68	1,149.25	1,134.76	14.49	79.311	
2,600.00	2,465.80	1,916.97	1,798.13	14.25	11.22	-152.18	139.00	-460.50	1,233.67	1,218.56	15.11	81.622	
2,700.00	2,555.14	1,970.56	1,841.48	15.10	11.85	-152.08	149.12	-490.33	1,318.09	1,302.34	15.75	83.709	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6837+25 @ 6862.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.833333333

Coordinates are relative to: Betonnie Tsosie Wash Unit (305, 306 & 721)
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.09°



CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

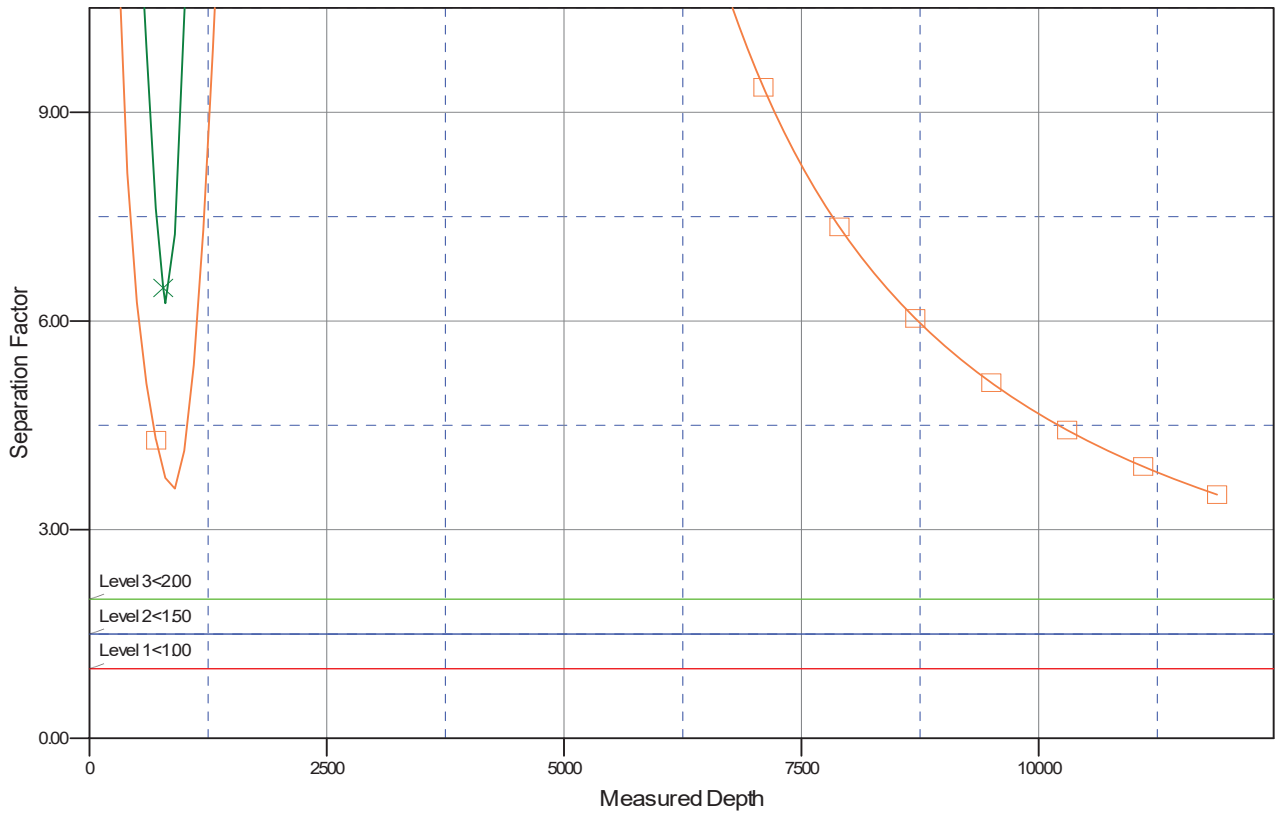
Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site Betonnie Tsosie Wash Unit (305, 306 & 721)
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6837+25 @ 6862.00ft
Reference Site:	Betonnie Tsosie Wash Unit (305, 306 & 721)	**MD Reference:**	RKB=6837+25 @ 6862.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Betonnie Tsosie Wash Unit 721H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6837+25 @ 6862.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.833333333

Coordinates are relative to: Betonnie Tsosie Wash Unit (305, 306 & 721)
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.09°

Separation Factor Plot



LEGEND

Betonnie Tsosie Wash Unit 305H, Original Hole, rev0 V0
Betonnie Tsosie Wash Unit 306H, Original Hole, rev0 V0

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: __DJR Operating, LLC_____ **OGRID:** __371838_____ **Date:** _1_/_31_/_2024_

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Betonnie Tsosie Wash Unit 305H	30-045-38327	B-21-23N-08W	406 FNL x 2059 FEL	532	677	189
Betonnie Tsosie Wash Unit 306H	30-045-38328	B-21-23N-08W	425 FNL x 2054 FEL	305	388	108
Betonnie Tsosie Wash Unit 721H	30-045-38329	B-21-23N-08W	387 FNL x 2064 FEL	487	620	173

IV. Central Delivery Point Name: _____Chaco Processing Plant_____ [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Betonnie Tsosie Wash Unit 305H	30-045-38327	02/16/2024	02/26/2024	04/16/2024	04/26/2024	05/31/2024
Betonnie Tsosie Wash Unit 306H	30-045-38328	02/17/2024	02/27/2024	04/16/2024	04/26/2024	05/31/2024
Betonnie Tsosie Wash Unit 721H	30-045-38329	02/18/2024	02/28/2024	04/16/2024	04/26/2024	05/31/2024

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

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

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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

Signature:
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@djrllc.com
Date: 01/31/2024
Phone: 505-716-3297

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Betonnie Tsosie Wash Unit 305H, 306H, 721H
NWNE B-21-23N-08W

SEPARATION EQUIPMENT

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

Separation equipment will be set as follows:

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

Heater treaters will be set as follows:

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

Vapor Recovery Equipment will be set as follows:

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

Production storage tanks will be set as follows:

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

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Betonnie Tsosie Wash Unit 305H, 306H, 721H
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VENTING and FLARING

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

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

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

DJR will only flare gas during the following times:
- Scheduled maintenance for gas capturing equipment including:
  - Vapor Recovery Tower
  - Vapor Recovery Unit
  - Storage tanks
  - Pipelines
  - Emergency flaring

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OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

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

19.15.27.8 B. Venting and flaring during drilling operations

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

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, DJR utilizes the following:

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

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DJR Operating, LLC

19.15.27.8 D. Venting and flaring during production operations

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

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

19.15.27.8 E. Performance standards

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

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a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.
b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts DJR of flare malfunction within 18 months after May 25, 2021.
c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.

4. DJR will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
5. DJR will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
6. DJR may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. DJR will resolve emergencies as promptly as possible.

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

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

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BEST MANAGEMENT PRACTICES

DJR Operating, LLC (DJR) utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

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

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

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

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

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

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

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

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United States Department of the Interior

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

In Reply Refer To:
3162.3-1(NMF0110)

DJR Operating, LLC
#721H Betonnie Tsosie Wash Unit
Lease: NMNM76842 Unit:NMNM135219A
SH: NW¼NE¼ Section 21, T.23 N., R.8 W.
BH: NE¼NE¼ Section 27, T.23 N., R.8 W.
San Juan County, New Mexico

***Above Data Required on Well Sign**

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

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

A. ☒ Note all surface/drilling conditions of approval attached.

B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated

C. ☐ Test the surface casing to a minimum of _____ psi for 30 minutes.

D. ☐ Test all casing strings below the surface casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield burst) for a minimum of 30 minutes.

E. ☐ Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, Farmington District Office, Branch of Reservoir Management, 6251 College Blvd. Suite A, Farmington, New Mexico 87402. The effective date of the agreement must be **prior** to any sales.

Approval Date: 11/07/2023

F. ☐ The use of co-flex hose is authorized contingent upon the following:
1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

I. GENERAL

A. Full compliance with all applicable laws, regulations, and Onshore Orders, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

F. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a notice of intent (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to at Virgil Lucero at 505-793-1836.**

G. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.

H. Unless drilling operations are commenced within two years, approval of the Application for Permit to Drill will expire. A written request for a two years extension may be granted if submitted prior to expiration.

I. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all time, unless the well is secured with blowout preventers or cement plugs.

J. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

II. REPORTING REQUIREMENTS

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

B. The following reports shall be filed with the BLM-Authorized Officer within 30 days after the work is completed.

1 .Original and three copies on Federal and an Original and five copies on Indian leases of Sundry Notice (Form 3150-5), giving complete information concerning.

a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of any and all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.

b. Intervals tested, perforated (include; size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.

c. Subsequent Report of Abandonment, show the manner in which the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.

2. Well Completion Report (Form 3160-4) will be submitted with 30 days after well has been completed.

a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.

3. Submit a cement evaluation log, if cement is not circulated to surface.

III. DRILLER'S LOG

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

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days or 50 MMCF following its (completion)(recompletion), whichever first occurs, without the prior, written approval of the authorized officer. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the first gas to surface.

V. SAFETY

A. All rig heating stoves are to be of the explosion-proof type.

B. Rig safety lines are to be installed.

C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

A. Any changes of plans required in order to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.F.

B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.F. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. PHONE NUMBERS

A. For BOPE tests, cementing, and plugging operations the phone number is 505-564-7750 and must be called 24 hours in advance in order that a BLM representative may witness the operations.

B. Emergency program changes after hours contact:

Virgil Lucero (505) 793-1836
BLM 24 Hour Number (505) 564-7750

Approval Date: 11/07/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 309873

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 309873
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing, then a CBL is required.	2/6/2024