Received by OCD: 2/28/2024 10:10:11 AM

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

Sundry Print Report

02/28/2024

Well Name: NAGEEZI UNIT

Well Location: T24N / R9W / SEC 26 / NWSW /

County or Parish/State:

Well Number: 216H

Type of Well: OIL WELL

Allottee or Tribe Name: EASTERN NAVAJO

Lease Number: N0G14011834

Unit or CA Name:

Unit or CA Number: NMNM132981A

US Well Number: 30-045-38296

Well Status: Approved Application for Permit to Drill

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2777052

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/28/2024

Time Sundry Submitted: 08:33

Date proposed operation will begin: 02/28/2024

Procedure Description: The subject well has been assigned API No: 30-045-38296 and is located in DJRs undivided Nageezi Unit. Original plans were to drill a 4490-ft lateral. DJR is seeking approval to lengthen the lateral to 10706-ft, changing the proposed depth to 5306 / 16523, adjusting the BHL & increasing the dedicated acres from 320 to 640. Attached please find updated C102, revised drilling plan with new casing, cement assumptions, revised directional design 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

Hz_Directional_Drilling_Plan__NU_216H_Rev1_20240228083244.pdf

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Type of Well: OIL WELL

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Unit or CA Name:

Unit or CA Number: NMNM132981A

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: FEB 28, 2024 08:32 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: 02/28/2024

Signature: Kenneth Rennick

CONFIDENTIAL

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
30-045-38296	98080	NAGEEZI UNIT MANCOS OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
325268	NAGEEZI UNIT	216H

[7] OGRID No.	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	6826'

[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
L	26	24N	9W		1742'	SOUTH	769'	WEST	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
L	21	24N	9W		2167'	SOUTH	174'	WEST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 26: NE/SE, NW/SE, SW/NE, NE/SW, SE/NW, SW/NW & NW/NW (280 AC.); SEC 28: SE/NE, NE/NE & NW/NE (120 AC.); SEC 21: SE/SE, SW/SE & SW/4 (240 AC.) = 640 ACRES			R-13856 R-13856A

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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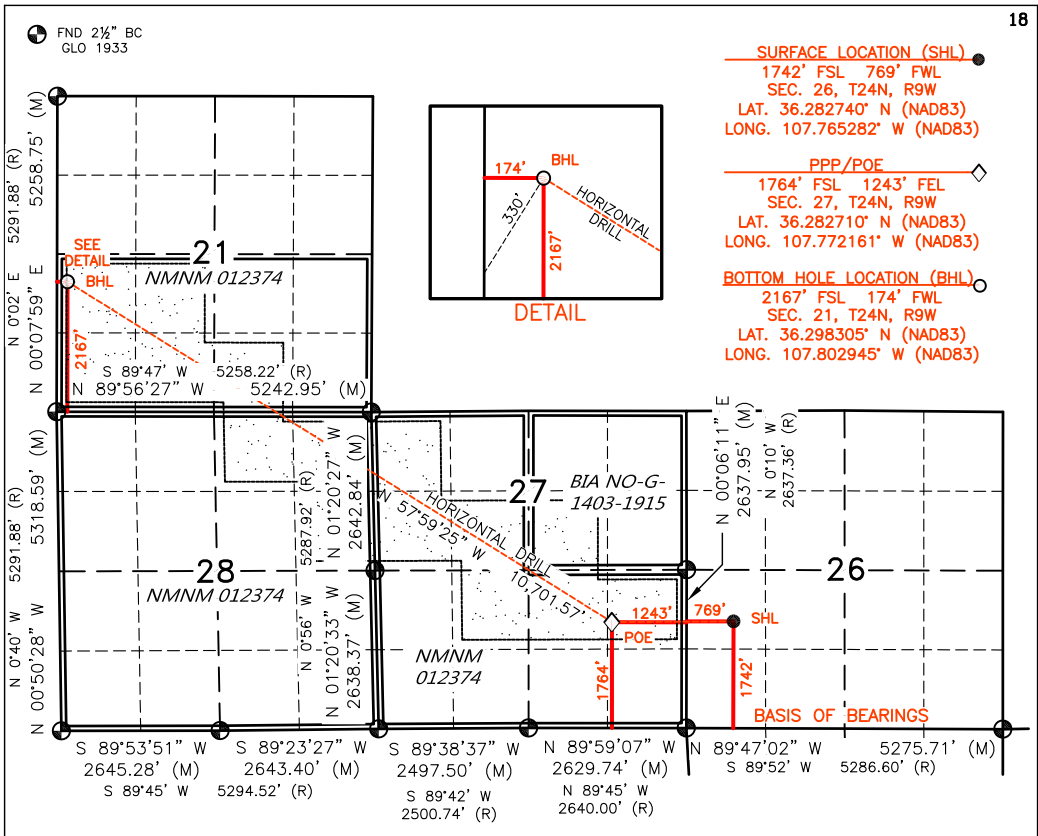

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[17] OPERATOR CERTIFICATION

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
2/23/24 — 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.

NOVEMBER 9, 2020
Date of Survey

Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
11393
02/04/2024
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: **NAGEEZI UNIT 216H**
API Number: 30-045-38296
State: New Mexico
County: San Juan
Surface Elevation: 6,826 ft ASL (GL) 6,851 ft ASL (KB)
Surface Location: 26-24N-9W Sec-Twn-Rng 1,742 ft FSL 769 ft FWL
36.28274 ° N latitude 107.765282 ° W longitude (NAD 83)
BH Location: 35-24-N9W Sec-Twn-Rng 1,187 ft FSL 480 ft FEL
36.274542 ° N latitude 107.751693 ° 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 32.5 miles to MM 119.5, Right (SouthWest) on D34 Road for 2.9 miles to fork, Left (East) on lease road for 0.75 miles to P&A location, Thru location (Southeast) on new access for 0.3 miles to Nageezi L26 Pad, There are 6 wells on this location from South to North(NU 217H, NU 218H, NU 215H, NU 213H, NU 216H, NU 214H).

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	6,020	831	831	W	normal
Kirtland	5,895	956	956	W	normal
Fruitland	5,605	1,246	1,247	G, W	sub
Pictured Cliffs	5,260	1,591	1,601	G, W	sub
Lewis	5,150	1,701	1,718	G, W	normal
Chacra	4,850	2,001	2,049	G, W	normal
Cliff House	3,760	3,091	3,261	G, W	sub
Menefee	3,730	3,121	3,294	G, W	normal
Point Lookout	2,800	4,051	4,328	G, W	normal
Mancos	2,603	4,248	4,547	O,G	sub (~0.38)
Gallup (MNCS_A)	2,255	4,596	4,934	O,G	sub (~0.38)
MNCS_B	2,168	4,683	5,031	O,G	sub (~0.38)
MNCS_C	2,062	4,789	5,149	O,G	sub (~0.38)
MNCS_Cms	2,018	4,833	5,198	O,G	sub (~0.38)
MNCS_D	2,258	4,593	5,331	O,G	sub (~0.38)
MNCS_E	1,790	5,061	5,459	O,G	sub (~0.38)
MNCS_F	1,718	5,133	5,555	O,G	sub (~0.38)
MNCS_G	1,640	5,211	5,681	O,G	sub (~0.38)
MNCS_H	1,600	5,251	5,764	O,G	sub (~0.38)
MNCS_I	1,565	5,286	5,865	O,G	sub (~0.38)
FTP TARGET	**1,580**	**5,271**	**5,817**	**O,G**	**sub (~0.38)**
PROJECTED TD	**1,545**	**5,306**	**16,523**	**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: **2,290 psi**
Maximum anticipated surface pressure, assuming partially evacuated hole: **1,130 psi**
Temperature: **Maximum anticipated BHT is 125° F or less**

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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 9-5/8" casing to TD; gas detection from drillout of 13-3/8" casing to TD.

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

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

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

DRILLING RIG INFORMATION:

Contractor: Aztec

Rig No.: 1000

Draw Works: E80 AC 1,500 hp

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

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

Prime Movers: 4 - GE Jenbacher Natural Gas Generator

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

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

BOPE 2: Cameron annular (13-5/8", 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: 17-1/2" 17.5

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					153	696	116,634	116,634
Min. S.F.					**7.39**	**3.92**	**7.31**	**7.79**

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

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**Hole Cap. (cuft/ft)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**
	TYPE III	14.6	1.39	6.686	0.6946	100%	0	350

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

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

350 ft (MD)	**to**	**3,406 ft (MD)**	**Hole Section Length:**	**3,056 ft**
350 ft (TVD)	**to**	**3,221 ft (TVD)**	**Casing Required:**	**3,406 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: 12-1/4" 12.25

Bit / Motor: 12-1/4" PDC bit w/mud motor

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

Logging: None

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

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	9.625	36.0	J-55	LTC	2,020	3,520	564,000	453,000
Loading					1,407	1,314	206,927	206,927
Min. S.F.					**1.44**	**2.68**	**2.73**	**2.19**

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

MU Torque (ft lbs): Minumum: 3,400 Optimum: 4,530 Maximum: 5,660

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**
Lead	III:POZ Blend	12.5	2.140	12.05	70%	0	695
Tail	Type III	14.6	1.380	6.64	20%	2,906	136

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

Calculated cement volumes assume gauge hole and the excess noted in table
Drake Intermediate Cementing Program

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

3,406	**ft (MD)**	**to**	**16,523**	**ft (MD)**	**Hole Section Length: 13,117 ft**
3,221	**ft (TVD)**	**to**	**5,306**	**ft (TVD)**	**Casing Required: 16,523 ft**

Estimated KOP:	**5,313**	**ft (MD)**	**4,937**	**ft (TVD)**
Estimated Landing Point (FTP):	**5,817**	**ft (MD)**	**5,271**	**ft (TVD)**
Estimated Lateral Length:	**10,706**	**ft (MD)**		

Fluid:	**Type**	**MW (ppg)**	**FL (mL/30')**	**PV (cp)**	**YP (lb/100 sqft)**	**ES**	**OWR**
	OBM	8.7 - 9.0	10 - 15	10 - 20	6 - 10	500+	80:20

Hole Size: 8-1/2" 8.5

Bit / Motor: 8-1/2" PDC bit w/mud motor

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

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

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

Casing Specs:	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	5.500	17.0	P-110	LTC	7,460	10,640	546,000	445,000
Loading					2,621	8,997	342,383	342,383
Min. S.F.					**2.85**	**1.18**	**1.59**	**1.30**

Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)
Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden fluid with 8.4 ppg equivalent external pressure gradient
Tension: buoyed weight in 9.0 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minumum: 3,470 Optimum: 4,620 Maximum: 5,780

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

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	
Lead	Type III	12.4	2.360	13.40	65%	0	590	1,392
Tail	G:POZ blend	13.3	1.560	7.70	10%	4,547	2,141	3,341

Displacement 382 est bbls

Annular Capacity 0.2691 cuft/ft 5-1/2" casing x 9-5/8" casing annulus
0.2526 cuft/ft 5-1/2" casing x 8-1/2" hole annulus
0.1305 cuft/ft 5-1/2" casing vol est shoe jt ft 100

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

American Cementing Liner & Production Blend

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

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FINISH WELL: **ND BOP, cap well, RDMO.**

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 10,606

Est Frac Inform: 44 Frac Stages 170,000 bbls slick water 13,790,000 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: 6/1/2024

Completion: 7/31/2024

Production: 9/14/2024

Prepared by: Greg Olson 2/19/2024

Updated:

WELL NAME: **NAGEEZI UNIT 216H**

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

API Number: *30-045-38296*

AFE Number: *Not yet assigned*

ER Well Number: *Not yet assigned*

State: New Mexico

County: San Juan

Surface Elev.:	6,826	ft ASL (GL)	6,851	ft ASL (KB)		
Surface Location:	26-24N-9W	Sec-Twn- Rng	1,742	ft FSL	769	ft FWL
BH Location:	35-24-N9W	Sec-Twn- Rng	1187	ft FSL	480	ft FEL

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

South on US Hwy 550 for 32.5 miles to MM 119.5, Right (SouthWest) on D34 Road for 2.9 miles to fork, Left (East) on lease road for 0.75 miles to P&A location, Thru location (Southeast) on new access for 0.3 miles to Nageezi L26 Pad, There are 6 wells on this location from South to North(NU 217H, NU 218H, NU 215H, NU 213H, NU 216H, NU 214H).

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	3,406	ft
KOP (MD)	5,313	ft
KOP (TVD)	4,937	ft
Target (TVD)	5,271	ft
Curve BUR	10	°/100 ft
POE (MD)	5,817	ft
TD (MD)	16,523	ft
Lat Len (ft)	10,706	ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	3,406	9.625	36.0	J-55	LTC	0	3,406
Production	8.750	16,523	5.500	17.0	P-110	LTC	0	16,523

CEMENT PROPERTIES SUMMARY:

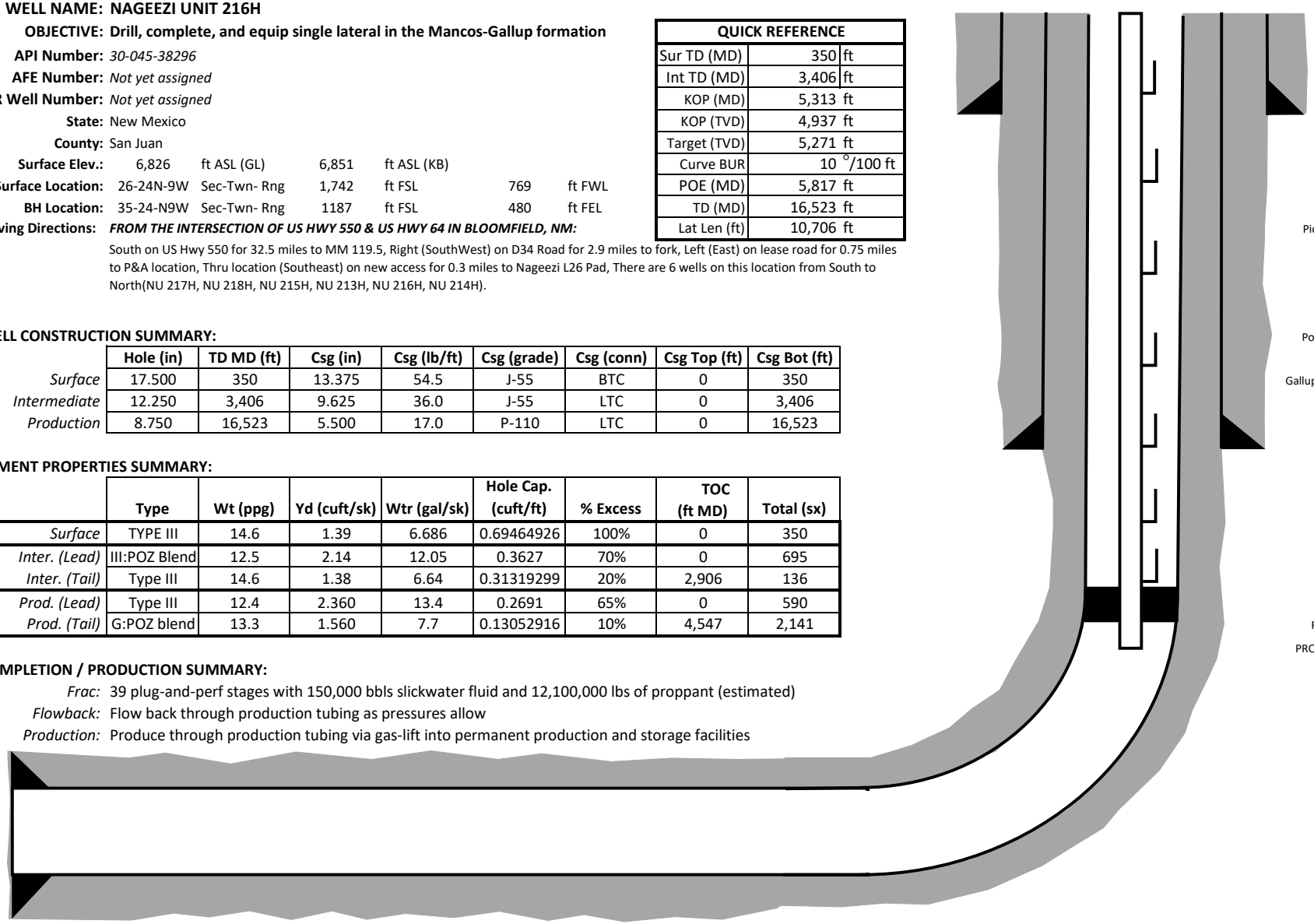
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.39	6.686	0.69464926	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	695
Inter. (Tail)	Type III	14.6	1.38	6.64	0.31319299	20%	2,906	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	590
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.13052916	10%	4,547	2,141

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	831	831
Kirtland	956	956
Fruitland	1,246	1,247
Pictured Cliffs	1,591	1,601
Lewis	1,701	1,718
Chacra	2,001	2,049
Cliff House	3,091	3,261
Menefee	3,121	3,294
Point Lookout	4,051	4,328
Mancos	4,248	4,547
Gallup (MNCS_A)	4,596	4,934
MNCS_B	4,683	5,031
MNCS_C	4,789	5,149
MNCS_Cms	4,833	5,198
MNCS_D	4,593	5,331
MNCS_E	5,061	5,459
MNCS_F	5,133	5,555
MNCS_G	5,211	5,681
MNCS_H	5,251	5,764
MNCS_I	5,286	5,865
FTP TARGET	5,271	5,817
PROJECTED TD	5,306	16,523

Received by OCD: 2/28/2024 10:10:11 AM

Received to Imaging: 7/11/2024 10:27:39 AM

Well: Nageezi Unit 216H
Site: Nageezi Unit (213, 214, 215, 216, 217 & 218)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev0
Rig:

T G M

Azimuths to Grid North
True North: -0.04°
Magnetic North: 8.49°

Magnetic Field
Strength: 49066.0nT
Dip Angle: 62.73°
Date: 2/8/2024
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=6826+25 @ 6851.00ft

Surface location:

Northing	Easting	Latitude	Longitude
1922223.70	2743148.30	36.28274000	-107.76528200

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.49°

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1864.45	25.93	265.38	1835.23	-15.50	-191.69	3.00	265.38	154.33	Begin 25.93° tangent
4	5313.24	25.93	265.38	4936.74	-137.08	-1695.04	0.00	0.00	1364.65	Begin 10°/100' build/turn
5	5817.29	70.00	302.01	5271.45	-12.27	-2027.43	10.00	46.69	1712.67	POE @ 5817.29 MD 5271.45 TVD
6	6017.29	90.00	302.01	5306.00	91.60	-2193.60	10.00	0.00	1908.63	Begin 90.00° lateral
7	16523.18	90.00	302.01	5306.00	5660.42	-11102.14	0.00	0.00	12414.53	PBHL @ 16523.18 MD 5306.00 TVD

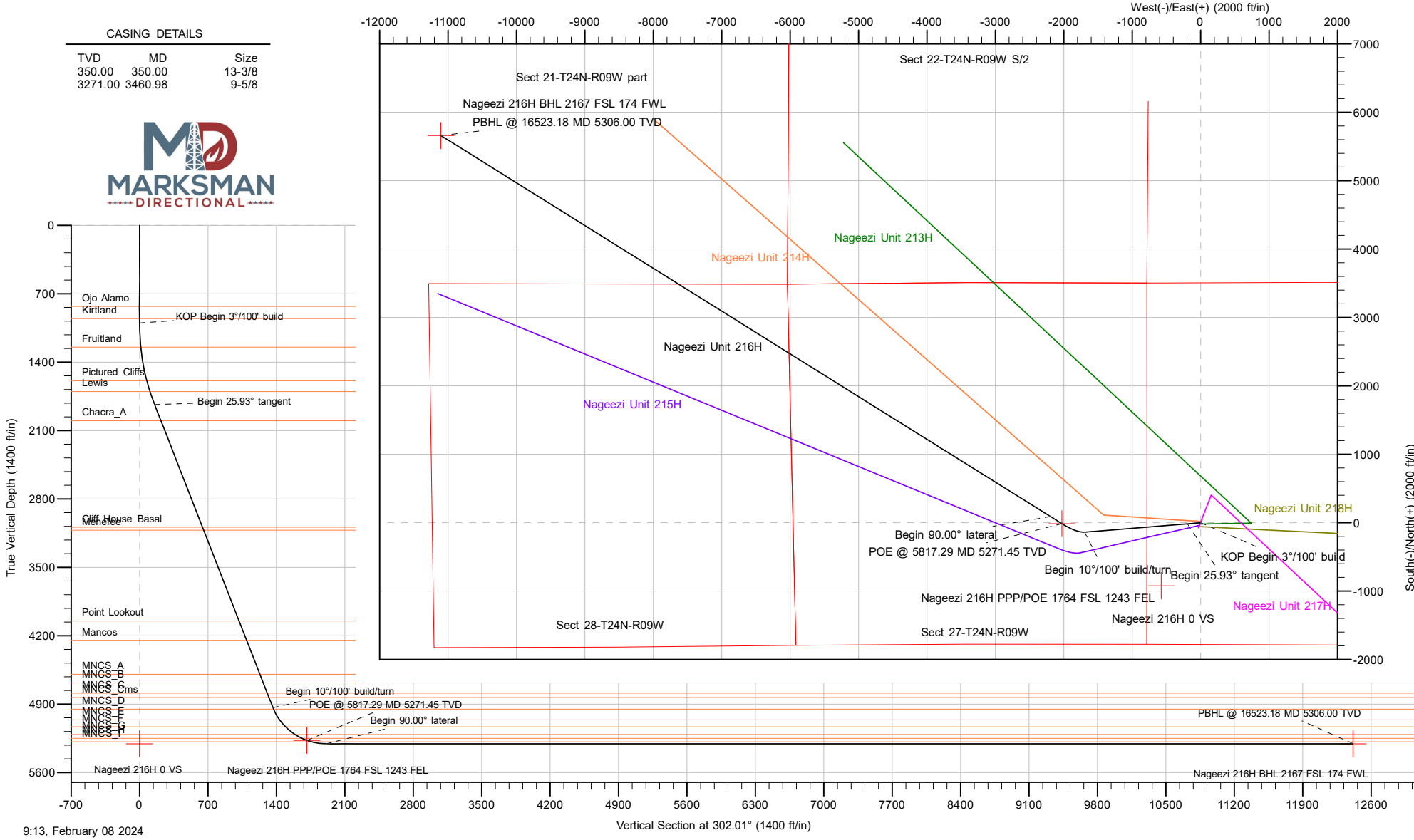
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nageezi 216H 0 VS	5306.00	-920.10	-575.16	1921303.60	2742573.14	36.28021353	-107.76723562
Nageezi 216H BHL 2167 FSL 174 FWL	5306.00	5660.42	-11102.14	1927884.11	2732046.18	36.29830500	-107.80294500
Nageezi 216H PPP/POE 1764 FSL 1243 FEL	5271.45	-12.27	-2027.43	1922211.43	2741120.87	36.28271000	-107.77216100

CASING DETAILS

TVD	MD	Size
350.00	350.00	13-3/8
3271.00	3460.98	9-5/8

MARKSMAN DIRECTIONAL



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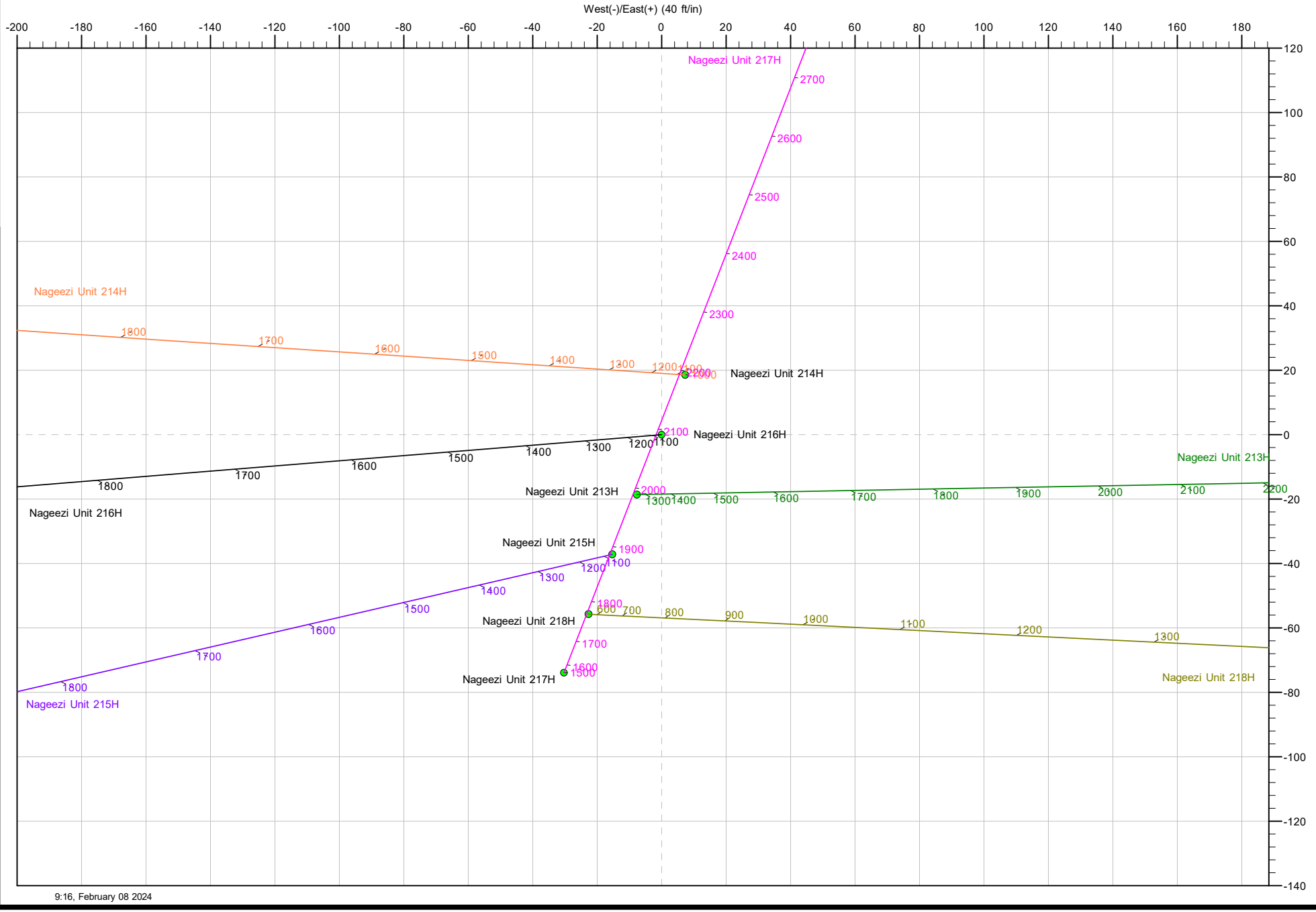
Received by OCD: 2/28/2024 10:10:11 AM

Well: Nageezi Unit 216H
Site: Nageezi Unit (213, 214, 215, 216, 217 & 218)
Project: San Juan County, New Mexico NAD83 NM W
Design: rev0
Rig:



Received to ImageNet: 7/11/2024 10:27:39 AM

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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 Nageezi Unit (213, 214, 215, 216, 217 & 218)

Site Position:		**Northing:**	1,922,205.14 usft	**Latitude:**	36.28268900
From:	Lat/Long	**Easting:**	2,743,140.65 usft	**Longitude:**	-107.76530800
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Nageezi Unit 216H, Surf loc: 1742 FSL 769 FWL Section 26-T24N-R09W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,922,223.71 usft	**Latitude:**	36.28274000
	+E/-W	0.00 ft	**Easting:**	2,743,148.30 usft	**Longitude:**	-107.76528200
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,826.00 ft
Grid Convergence:		0.04 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/8/2024	8.53	62.73	49,066.02054885

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	0.00	0.00	302.01

Plan Survey Tool Program **Date** 2/8/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,523.18	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,864.45	25.93	265.38	1,835.23	-15.50	-191.69	3.00	3.00	0.00	265.38	
5,313.24	25.93	265.38	4,936.74	-137.08	-1,695.04	0.00	0.00	0.00	0.00	
5,817.29	70.00	302.01	5,271.45	-12.27	-2,027.43	10.00	8.74	7.27	46.69	Nageezi 216H PPP/P
6,017.29	90.00	302.01	5,306.00	91.60	-2,193.60	10.00	10.00	0.00	0.00	
16,523.18	90.00	302.01	5,306.00	5,660.42	-11,102.14	0.00	0.00	0.00	0.00	Nageezi 216H BHL 2

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
831.00	0.00	0.00	831.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
956.00	0.00	0.00	956.00	0.00	0.00	0.00	0.00	0.00	0.00
Kirtland									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
1,100.00	3.00	265.38	1,099.95	-0.21	-2.61	2.10	3.00	3.00	0.00
1,200.00	6.00	265.38	1,199.63	-0.84	-10.43	8.40	3.00	3.00	0.00
1,246.69	7.40	265.38	1,246.00	-1.28	-15.86	12.77	3.00	3.00	0.00
Fruitland									
1,300.00	9.00	265.38	1,298.77	-1.90	-23.44	18.87	3.00	3.00	0.00
1,400.00	12.00	265.38	1,397.08	-3.36	-41.60	33.49	3.00	3.00	0.00
1,500.00	15.00	265.38	1,494.31	-5.25	-64.87	52.22	3.00	3.00	0.00
1,600.00	18.00	265.38	1,590.18	-7.53	-93.17	75.01	3.00	3.00	0.00
1,600.86	18.03	265.38	1,591.00	-7.56	-93.44	75.23	3.00	3.00	0.00
Pictured Cliffs									
1,700.00	21.00	265.38	1,684.43	-10.23	-126.44	101.79	3.00	3.00	0.00
1,717.78	21.53	265.38	1,701.00	-10.74	-132.87	106.97	3.00	3.00	0.00
Lewis									
1,800.00	24.00	265.38	1,776.81	-13.31	-164.58	132.50	3.00	3.00	0.00
1,864.45	25.93	265.38	1,835.23	-15.50	-191.69	154.33	3.00	3.00	0.00
Begin 25.93° tangent									
1,900.00	25.93	265.38	1,867.20	-16.76	-207.19	166.81	0.00	0.00	0.00
2,000.00	25.93	265.38	1,957.13	-20.28	-250.78	201.90	0.00	0.00	0.00
2,048.78	25.93	265.38	2,001.00	-22.00	-272.04	219.02	0.00	0.00	0.00
Chacra_A									
2,100.00	25.93	265.38	2,047.06	-23.81	-294.37	236.99	0.00	0.00	0.00
2,200.00	25.93	265.38	2,137.00	-27.33	-337.96	272.09	0.00	0.00	0.00
2,300.00	25.93	265.38	2,226.93	-30.86	-381.55	307.18	0.00	0.00	0.00
2,400.00	25.93	265.38	2,316.86	-34.38	-425.14	342.28	0.00	0.00	0.00
2,500.00	25.93	265.38	2,406.79	-37.91	-468.73	377.37	0.00	0.00	0.00
2,600.00	25.93	265.38	2,496.72	-41.43	-512.32	412.47	0.00	0.00	0.00
2,700.00	25.93	265.38	2,586.65	-44.96	-555.91	447.56	0.00	0.00	0.00
2,800.00	25.93	265.38	2,676.58	-48.48	-599.50	482.65	0.00	0.00	0.00
2,900.00	25.93	265.38	2,766.51	-52.01	-643.09	517.75	0.00	0.00	0.00
3,000.00	25.93	265.38	2,856.44	-55.53	-686.68	552.84	0.00	0.00	0.00
3,100.00	25.93	265.38	2,946.37	-59.06	-730.27	587.94	0.00	0.00	0.00
3,200.00	25.93	265.38	3,036.30	-62.58	-773.87	623.03	0.00	0.00	0.00
3,260.83	25.93	265.38	3,091.00	-64.73	-800.38	644.38	0.00	0.00	0.00
Cliff House_Basal									
3,294.19	25.93	265.38	3,121.00	-65.90	-814.92	656.08	0.00	0.00	0.00
Menefee									

Released to Imaging: 7/11/2024 10:27:59 AM

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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)
3,300.00	25.93	265.38	3,126.23	-66.11	-817.46	658.12	0.00	0.00	0.00
3,400.00	25.93	265.38	3,216.16	-69.63	-861.05	693.22	0.00	0.00	0.00
3,460.98	25.93	265.38	3,271.00	-71.78	-887.63	714.62	0.00	0.00	0.00
3,500.00	25.93	265.38	3,306.09	-73.16	-904.64	728.31	0.00	0.00	0.00
3,600.00	25.93	265.38	3,396.02	-76.68	-948.23	763.41	0.00	0.00	0.00
3,700.00	25.93	265.38	3,485.95	-80.21	-991.82	798.50	0.00	0.00	0.00
3,800.00	25.93	265.38	3,575.88	-83.73	-1,035.41	833.60	0.00	0.00	0.00
3,900.00	25.93	265.38	3,665.81	-87.26	-1,079.00	868.69	0.00	0.00	0.00
4,000.00	25.93	265.38	3,755.74	-90.78	-1,122.59	903.78	0.00	0.00	0.00
4,100.00	25.93	265.38	3,845.67	-94.31	-1,166.18	938.88	0.00	0.00	0.00
4,200.00	25.93	265.38	3,935.60	-97.83	-1,209.77	973.97	0.00	0.00	0.00
4,300.00	25.93	265.38	4,025.53	-101.36	-1,253.36	1,009.07	0.00	0.00	0.00
4,328.32	25.93	265.38	4,051.00	-102.36	-1,265.71	1,019.01	0.00	0.00	0.00
Point Lookout									
4,400.00	25.93	265.38	4,115.46	-104.88	-1,296.95	1,044.16	0.00	0.00	0.00
4,500.00	25.93	265.38	4,205.39	-108.41	-1,340.54	1,079.26	0.00	0.00	0.00
4,547.38	25.93	265.38	4,248.00	-110.08	-1,361.20	1,095.88	0.00	0.00	0.00
Mancos									
4,600.00	25.93	265.38	4,295.32	-111.94	-1,384.13	1,114.35	0.00	0.00	0.00
4,700.00	25.93	265.38	4,385.25	-115.46	-1,427.72	1,149.44	0.00	0.00	0.00
4,800.00	25.93	265.38	4,475.18	-118.99	-1,471.31	1,184.54	0.00	0.00	0.00
4,900.00	25.93	265.38	4,565.11	-122.51	-1,514.90	1,219.63	0.00	0.00	0.00
4,934.35	25.93	265.38	4,596.00	-123.72	-1,529.88	1,231.69	0.00	0.00	0.00
MNCS_A									
5,000.00	25.93	265.38	4,655.04	-126.04	-1,558.49	1,254.73	0.00	0.00	0.00
5,031.09	25.93	265.38	4,683.00	-127.13	-1,572.05	1,265.64	0.00	0.00	0.00
MNCS_B									
5,100.00	25.93	265.38	4,744.97	-129.56	-1,602.08	1,289.82	0.00	0.00	0.00
5,148.96	25.93	265.38	4,789.00	-131.29	-1,623.43	1,307.00	0.00	0.00	0.00
MNCS_C									
5,197.89	25.93	265.38	4,833.00	-133.01	-1,644.75	1,324.17	0.00	0.00	0.00
MNCS_Cms									
5,200.00	25.93	265.38	4,834.90	-133.09	-1,645.67	1,324.91	0.00	0.00	0.00
5,300.00	25.93	265.38	4,924.83	-136.61	-1,689.27	1,360.01	0.00	0.00	0.00
5,313.24	25.93	265.38	4,936.74	-137.08	-1,695.04	1,364.65	0.00	0.00	0.00
Begin 10°/100' build/turn									
5,331.42	27.21	268.27	4,953.00	-137.52	-1,703.16	1,371.30	10.00	7.02	15.92
MNCS_D									
5,350.00	28.57	270.98	4,969.42	-137.58	-1,711.84	1,378.64	10.00	7.33	14.55
5,400.00	32.46	277.18	5,012.50	-135.70	-1,737.13	1,401.08	10.00	7.78	12.41
5,450.00	36.59	282.15	5,053.69	-130.88	-1,765.03	1,427.29	10.00	8.27	9.95
5,459.15	37.37	282.96	5,061.00	-129.68	-1,770.40	1,432.48	10.00	8.49	8.79
MNCS_E									
5,500.00	40.90	286.23	5,092.68	-123.16	-1,795.33	1,457.08	10.00	8.63	8.01
5,550.00	45.32	289.64	5,129.18	-112.61	-1,827.81	1,490.21	10.00	8.85	6.83
5,555.45	45.81	289.98	5,133.00	-111.29	-1,831.47	1,494.02	10.00	8.95	6.24
MNCS_F									
5,600.00	49.83	292.57	5,162.91	-99.29	-1,862.22	1,526.44	10.00	9.03	5.80
5,650.00	54.41	295.13	5,193.60	-83.32	-1,898.28	1,565.50	10.00	9.15	5.12
5,680.98	57.26	296.57	5,211.00	-72.14	-1,921.35	1,590.98	10.00	9.23	4.65
MNCS_G									
5,700.00	59.03	297.41	5,221.04	-64.81	-1,935.74	1,607.07	10.00	9.27	4.41
5,750.00	63.69	299.47	5,245.00	-43.91	-1,974.31	1,650.85	10.00	9.32	4.14

Planning Report

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Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
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Well:	Nageezi Unit 216H	**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)
5,763.85	64.98	300.02	5,251.00	-37.71	-1,985.15	1,663.33	10.00	9.36	3.92
MNCS_H									
5,800.00	68.37	301.38	5,265.31	-20.76	-2,013.68	1,696.51	10.00	9.38	3.78
5,817.29	70.00	302.01	5,271.45	-12.27	-2,027.43	1,712.67	10.00	9.40	3.64
POE @ 5817.29 MD 5271.45 TVD									
5,850.00	73.27	302.01	5,281.76	4.18	-2,053.75	1,743.71	10.00	10.00	0.00
5,865.44	74.82	302.01	5,286.00	12.05	-2,066.34	1,758.55	10.00	10.00	0.00
MNCS_I									
5,900.00	78.27	302.01	5,294.04	29.86	-2,094.84	1,792.16	10.00	10.00	0.00
5,950.00	83.27	302.01	5,302.06	56.02	-2,136.67	1,841.50	10.00	10.00	0.00
6,000.00	88.27	302.01	5,305.74	82.44	-2,178.94	1,891.35	10.00	10.00	0.00
6,017.29	90.00	302.01	5,306.00	91.60	-2,193.60	1,908.63	10.00	10.00	0.00
Begin 90.00° lateral									
6,100.00	90.00	302.01	5,306.00	135.44	-2,263.74	1,991.34	0.00	0.00	0.00
6,200.00	90.00	302.01	5,306.00	188.45	-2,348.53	2,091.34	0.00	0.00	0.00
6,300.00	90.00	302.01	5,306.00	241.46	-2,433.33	2,191.34	0.00	0.00	0.00
6,400.00	90.00	302.01	5,306.00	294.46	-2,518.12	2,291.34	0.00	0.00	0.00
6,500.00	90.00	302.01	5,306.00	347.47	-2,602.92	2,391.34	0.00	0.00	0.00
6,600.00	90.00	302.01	5,306.00	400.48	-2,687.72	2,491.34	0.00	0.00	0.00
6,700.00	90.00	302.01	5,306.00	453.48	-2,772.51	2,591.34	0.00	0.00	0.00
6,800.00	90.00	302.01	5,306.00	506.49	-2,857.31	2,691.34	0.00	0.00	0.00
6,900.00	90.00	302.01	5,306.00	559.50	-2,942.10	2,791.34	0.00	0.00	0.00
7,000.00	90.00	302.01	5,306.00	612.50	-3,026.90	2,891.34	0.00	0.00	0.00
7,100.00	90.00	302.01	5,306.00	665.51	-3,111.69	2,991.34	0.00	0.00	0.00
7,200.00	90.00	302.01	5,306.00	718.52	-3,196.49	3,091.34	0.00	0.00	0.00
7,300.00	90.00	302.01	5,306.00	771.52	-3,281.28	3,191.34	0.00	0.00	0.00
7,400.00	90.00	302.01	5,306.00	824.53	-3,366.08	3,291.34	0.00	0.00	0.00
7,500.00	90.00	302.01	5,306.00	877.54	-3,450.88	3,391.34	0.00	0.00	0.00
7,600.00	90.00	302.01	5,306.00	930.54	-3,535.67	3,491.34	0.00	0.00	0.00
7,700.00	90.00	302.01	5,306.00	983.55	-3,620.47	3,591.34	0.00	0.00	0.00
7,800.00	90.00	302.01	5,306.00	1,036.56	-3,705.26	3,691.34	0.00	0.00	0.00
7,900.00	90.00	302.01	5,306.00	1,089.56	-3,790.06	3,791.34	0.00	0.00	0.00
8,000.00	90.00	302.01	5,306.00	1,142.57	-3,874.85	3,891.34	0.00	0.00	0.00
8,100.00	90.00	302.01	5,306.00	1,195.58	-3,959.65	3,991.34	0.00	0.00	0.00
8,200.00	90.00	302.01	5,306.00	1,248.58	-4,044.45	4,091.34	0.00	0.00	0.00
8,300.00	90.00	302.01	5,306.00	1,301.59	-4,129.24	4,191.34	0.00	0.00	0.00
8,400.00	90.00	302.01	5,306.00	1,354.60	-4,214.04	4,291.34	0.00	0.00	0.00
8,500.00	90.00	302.01	5,306.00	1,407.60	-4,298.83	4,391.34	0.00	0.00	0.00
8,600.00	90.00	302.01	5,306.00	1,460.61	-4,383.63	4,491.34	0.00	0.00	0.00
8,700.00	90.00	302.01	5,306.00	1,513.62	-4,468.42	4,591.34	0.00	0.00	0.00
8,800.00	90.00	302.01	5,306.00	1,566.62	-4,553.22	4,691.34	0.00	0.00	0.00
8,900.00	90.00	302.01	5,306.00	1,619.63	-4,638.01	4,791.34	0.00	0.00	0.00
9,000.00	90.00	302.01	5,306.00	1,672.64	-4,722.81	4,891.34	0.00	0.00	0.00
9,100.00	90.00	302.01	5,306.00	1,725.64	-4,807.61	4,991.34	0.00	0.00	0.00
9,200.00	90.00	302.01	5,306.00	1,778.65	-4,892.40	5,091.34	0.00	0.00	0.00
9,300.00	90.00	302.01	5,306.00	1,831.66	-4,977.20	5,191.34	0.00	0.00	0.00
9,400.00	90.00	302.01	5,306.00	1,884.66	-5,061.99	5,291.34	0.00	0.00	0.00
9,500.00	90.00	302.01	5,306.00	1,937.67	-5,146.79	5,391.34	0.00	0.00	0.00
9,600.00	90.00	302.01	5,306.00	1,990.68	-5,231.58	5,491.34	0.00	0.00	0.00
9,700.00	90.00	302.01	5,306.00	2,043.68	-5,316.38	5,591.34	0.00	0.00	0.00
9,800.00	90.00	302.01	5,306.00	2,096.69	-5,401.18	5,691.34	0.00	0.00	0.00
9,900.00	90.00	302.01	5,306.00	2,149.70	-5,485.97	5,791.34	0.00	0.00	0.00
10,000.00	90.00	302.01	5,306.00	2,202.70	-5,570.77	5,891.34	0.00	0.00	0.00

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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)
10,100.00	90.00	302.01	5,306.00	2,255.71	-5,655.56	5,991.34	0.00	0.00	0.00
10,200.00	90.00	302.01	5,306.00	2,308.72	-5,740.36	6,091.34	0.00	0.00	0.00
10,300.00	90.00	302.01	5,306.00	2,361.72	-5,825.15	6,191.34	0.00	0.00	0.00
10,400.00	90.00	302.01	5,306.00	2,414.73	-5,909.95	6,291.34	0.00	0.00	0.00
10,500.00	90.00	302.01	5,306.00	2,467.74	-5,994.74	6,391.34	0.00	0.00	0.00
10,600.00	90.00	302.01	5,306.00	2,520.74	-6,079.54	6,491.34	0.00	0.00	0.00
10,700.00	90.00	302.01	5,306.00	2,573.75	-6,164.34	6,591.34	0.00	0.00	0.00
10,800.00	90.00	302.01	5,306.00	2,626.76	-6,249.13	6,691.34	0.00	0.00	0.00
10,900.00	90.00	302.01	5,306.00	2,679.76	-6,333.93	6,791.34	0.00	0.00	0.00
11,000.00	90.00	302.01	5,306.00	2,732.77	-6,418.72	6,891.34	0.00	0.00	0.00
11,100.00	90.00	302.01	5,306.00	2,785.78	-6,503.52	6,991.34	0.00	0.00	0.00
11,200.00	90.00	302.01	5,306.00	2,838.78	-6,588.31	7,091.34	0.00	0.00	0.00
11,300.00	90.00	302.01	5,306.00	2,891.79	-6,673.11	7,191.34	0.00	0.00	0.00
11,400.00	90.00	302.01	5,306.00	2,944.80	-6,757.90	7,291.34	0.00	0.00	0.00
11,500.00	90.00	302.01	5,306.00	2,997.80	-6,842.70	7,391.34	0.00	0.00	0.00
11,600.00	90.00	302.01	5,306.00	3,050.81	-6,927.50	7,491.34	0.00	0.00	0.00
11,700.00	90.00	302.01	5,306.00	3,103.82	-7,012.29	7,591.34	0.00	0.00	0.00
11,800.00	90.00	302.01	5,306.00	3,156.82	-7,097.09	7,691.34	0.00	0.00	0.00
11,900.00	90.00	302.01	5,306.00	3,209.83	-7,181.88	7,791.34	0.00	0.00	0.00
12,000.00	90.00	302.01	5,306.00	3,262.84	-7,266.68	7,891.34	0.00	0.00	0.00
12,100.00	90.00	302.01	5,306.00	3,315.84	-7,351.47	7,991.34	0.00	0.00	0.00
12,200.00	90.00	302.01	5,306.00	3,368.85	-7,436.27	8,091.34	0.00	0.00	0.00
12,300.00	90.00	302.01	5,306.00	3,421.86	-7,521.07	8,191.34	0.00	0.00	0.00
12,400.00	90.00	302.01	5,306.00	3,474.86	-7,605.86	8,291.34	0.00	0.00	0.00
12,500.00	90.00	302.01	5,306.00	3,527.87	-7,690.66	8,391.34	0.00	0.00	0.00
12,600.00	90.00	302.01	5,306.00	3,580.88	-7,775.45	8,491.34	0.00	0.00	0.00
12,700.00	90.00	302.01	5,306.00	3,633.88	-7,860.25	8,591.34	0.00	0.00	0.00
12,800.00	90.00	302.01	5,306.00	3,686.89	-7,945.04	8,691.34	0.00	0.00	0.00
12,900.00	90.00	302.01	5,306.00	3,739.90	-8,029.84	8,791.34	0.00	0.00	0.00
13,000.00	90.00	302.01	5,306.00	3,792.90	-8,114.63	8,891.34	0.00	0.00	0.00
13,100.00	90.00	302.01	5,306.00	3,845.91	-8,199.43	8,991.34	0.00	0.00	0.00
13,200.00	90.00	302.01	5,306.00	3,898.91	-8,284.23	9,091.34	0.00	0.00	0.00
13,300.00	90.00	302.01	5,306.00	3,951.92	-8,369.02	9,191.34	0.00	0.00	0.00
13,400.00	90.00	302.01	5,306.00	4,004.93	-8,453.82	9,291.34	0.00	0.00	0.00
13,500.00	90.00	302.01	5,306.00	4,057.93	-8,538.61	9,391.34	0.00	0.00	0.00
13,600.00	90.00	302.01	5,306.00	4,110.94	-8,623.41	9,491.34	0.00	0.00	0.00
13,700.00	90.00	302.01	5,306.00	4,163.95	-8,708.20	9,591.34	0.00	0.00	0.00
13,800.00	90.00	302.01	5,306.00	4,216.95	-8,793.00	9,691.34	0.00	0.00	0.00
13,900.00	90.00	302.01	5,306.00	4,269.96	-8,877.80	9,791.34	0.00	0.00	0.00
14,000.00	90.00	302.01	5,306.00	4,322.97	-8,962.59	9,891.34	0.00	0.00	0.00
14,100.00	90.00	302.01	5,306.00	4,375.97	-9,047.39	9,991.34	0.00	0.00	0.00
14,200.00	90.00	302.01	5,306.00	4,428.98	-9,132.18	10,091.34	0.00	0.00	0.00
14,300.00	90.00	302.01	5,306.00	4,481.99	-9,216.98	10,191.34	0.00	0.00	0.00
14,400.00	90.00	302.01	5,306.00	4,534.99	-9,301.77	10,291.34	0.00	0.00	0.00
14,500.00	90.00	302.01	5,306.00	4,588.00	-9,386.57	10,391.34	0.00	0.00	0.00
14,600.00	90.00	302.01	5,306.00	4,641.01	-9,471.36	10,491.34	0.00	0.00	0.00
14,700.00	90.00	302.01	5,306.00	4,694.01	-9,556.16	10,591.34	0.00	0.00	0.00
14,800.00	90.00	302.01	5,306.00	4,747.02	-9,640.96	10,691.34	0.00	0.00	0.00
14,900.00	90.00	302.01	5,306.00	4,800.03	-9,725.75	10,791.34	0.00	0.00	0.00
15,000.00	90.00	302.01	5,306.00	4,853.03	-9,810.55	10,891.34	0.00	0.00	0.00
15,100.00	90.00	302.01	5,306.00	4,906.04	-9,895.34	10,991.34	0.00	0.00	0.00
15,200.00	90.00	302.01	5,306.00	4,959.05	-9,980.14	11,091.34	0.00	0.00	0.00
15,300.00	90.00	302.01	5,306.00	5,012.05	-10,064.93	11,191.34	0.00	0.00	0.00
15,400.00	90.00	302.01	5,306.00	5,065.06	-10,149.73	11,291.34	0.00	0.00	0.00

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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)
15,500.00	90.00	302.01	5,306.00	5,118.07	-10,234.53	11,391.34	0.00	0.00	0.00
15,600.00	90.00	302.01	5,306.00	5,171.07	-10,319.32	11,491.34	0.00	0.00	0.00
15,700.00	90.00	302.01	5,306.00	5,224.08	-10,404.12	11,591.34	0.00	0.00	0.00
15,800.00	90.00	302.01	5,306.00	5,277.09	-10,488.91	11,691.34	0.00	0.00	0.00
15,900.00	90.00	302.01	5,306.00	5,330.09	-10,573.71	11,791.34	0.00	0.00	0.00
16,000.00	90.00	302.01	5,306.00	5,383.10	-10,658.50	11,891.34	0.00	0.00	0.00
16,100.00	90.00	302.01	5,306.00	5,436.11	-10,743.30	11,991.34	0.00	0.00	0.00
16,200.00	90.00	302.01	5,306.00	5,489.11	-10,828.09	12,091.34	0.00	0.00	0.00
16,300.00	90.00	302.01	5,306.00	5,542.12	-10,912.89	12,191.34	0.00	0.00	0.00
16,400.00	90.00	302.01	5,306.00	5,595.13	-10,997.69	12,291.34	0.00	0.00	0.00
16,500.00	90.00	302.01	5,306.00	5,648.13	-11,082.48	12,391.34	0.00	0.00	0.00
16,523.18	90.00	302.01	5,306.00	5,660.42	-11,102.14	12,414.53	0.00	0.00	0.00
PBHL @ 16523.18 MD 5306.00 TVD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00		13-3/8	17-1/2
3,460.98	3,271.00		9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
831.00	831.00	Ojo Alamo			
956.00	956.00	Kirtland			
1,246.69	1,246.00	Fruitland			
1,600.86	1,591.00	Pictured Cliffs			
1,717.78	1,701.00	Lewis			
2,048.78	2,001.00	Chacra_A			
3,260.83	3,091.00	Cliff House_Basal			
3,294.19	3,121.00	Menefee			
4,328.32	4,051.00	Point Lookout			
4,547.38	4,248.00	Mancos			
4,934.35	4,596.00	MNCS_A			
5,031.09	4,683.00	MNCS_B			
5,148.96	4,789.00	MNCS_C			
5,197.89	4,833.00	MNCS_Cms			
5,331.42	4,953.00	MNCS_D			
5,459.15	5,061.00	MNCS_E			
5,555.45	5,133.00	MNCS_F			
5,680.98	5,211.00	MNCS_G			
5,763.85	5,251.00	MNCS_H			
5,865.44	5,286.00	MNCS_I			

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,864.45	1,835.23	-15.50	-191.69	Begin 25.93° tangent
5,313.24	4,936.74	-137.08	-1,695.04	Begin 10°/100' build/turn
5,817.29	5,271.45	-12.27	-2,027.43	POE @ 5817.29 MD 5271.45 TVD
6,017.29	5,306.00	91.60	-2,193.60	Begin 90.00° lateral
16,523.18	5,306.00	5,660.42	-11,102.14	PBHL @ 16523.18 MD 5306.00 TVD

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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 Nageezi Unit (213, 214, 215, 216, 217 & 218)

Site Position:		**Northing:**	1,922,205.14 usft	**Latitude:**	36.28268900
From:	Lat/Long	**Easting:**	2,743,140.65 usft	**Longitude:**	-107.76530800
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well Nageezi Unit 216H, Surf loc: 1742 FSL 769 FWL Section 26-T24N-R09W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,922,223.71 usft	**Latitude:**	36.28274000
	+E/-W	0.00 ft	**Easting:**	2,743,148.30 usft	**Longitude:**	-107.76528200
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,826.00 ft
Grid Convergence:		0.04 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	2/8/2024	8.53	62.73	49,066.02054885

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	0.00	0.00	302.01

Plan Survey Tool Program **Date** 2/8/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	16,523.18	rev0 (Original Hole)	MWD OWSG MWD - Standard	

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,864.45	25.93	265.38	1,835.23	-15.50	-191.69	3.00	3.00	0.00	265.38	
5,313.24	25.93	265.38	4,936.74	-137.08	-1,695.04	0.00	0.00	0.00	0.00	
5,817.29	70.00	302.01	5,271.45	-12.27	-2,027.43	10.00	8.74	7.27	46.69	Nageezi 216H PPP/P
6,017.29	90.00	302.01	5,306.00	91.60	-2,193.60	10.00	10.00	0.00	0.00	
16,523.18	90.00	302.01	5,306.00	5,660.42	-11,102.14	0.00	0.00	0.00	0.00	Nageezi 216H BHL 2

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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	0.00	0.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
100.00	0.00	0.00	100.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
200.00	0.00	0.00	200.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
300.00	0.00	0.00	300.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
350.00	0.00	0.00	350.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
400.00	0.00	0.00	400.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
500.00	0.00	0.00	500.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
600.00	0.00	0.00	600.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
700.00	0.00	0.00	700.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
800.00	0.00	0.00	800.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
831.00	0.00	0.00	831.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
Ojo Alamo									
900.00	0.00	0.00	900.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
956.00	0.00	0.00	956.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
Kirtland									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
KOP Begin 3°/100' build									
1,100.00	3.00	265.38	1,099.95	-0.21	-2.61	1,922,223.49	2,743,145.69	36.28273943	-107.76529086
1,200.00	6.00	265.38	1,199.63	-0.84	-10.43	1,922,222.86	2,743,137.87	36.28273770	-107.76531739
1,246.69	7.40	265.38	1,246.00	-1.28	-15.86	1,922,222.42	2,743,132.44	36.28273651	-107.76533581
Fruitland									
1,300.00	9.00	265.38	1,298.77	-1.90	-23.44	1,922,221.81	2,743,124.86	36.28273484	-107.76536153
1,400.00	12.00	265.38	1,397.08	-3.36	-41.60	1,922,220.34	2,743,106.70	36.28273084	-107.76542316
1,500.00	15.00	265.38	1,494.31	-5.25	-64.87	1,922,218.46	2,743,083.43	36.28272572	-107.76550210
1,600.00	18.00	265.38	1,590.18	-7.53	-93.17	1,922,216.17	2,743,055.13	36.28271948	-107.76559815
1,600.86	18.03	265.38	1,591.00	-7.56	-93.44	1,922,216.15	2,743,054.86	36.28271942	-107.76559905
Pictured Cliffs									
1,700.00	21.00	265.38	1,684.43	-10.23	-126.44	1,922,213.48	2,743,021.86	36.28271215	-107.76571103
1,717.78	21.53	265.38	1,701.00	-10.74	-132.87	1,922,212.96	2,743,015.43	36.28271074	-107.76573284
Lewis									
1,800.00	24.00	265.38	1,776.81	-13.31	-164.58	1,922,210.40	2,742,983.72	36.28270375	-107.76584044
1,864.45	25.93	265.38	1,835.23	-15.50	-191.69	1,922,208.20	2,742,956.61	36.28269778	-107.76593245
Begin 25.93° tangent									
1,900.00	25.93	265.38	1,867.20	-16.76	-207.19	1,922,206.95	2,742,941.11	36.28269437	-107.76598503
2,000.00	25.93	265.38	1,957.13	-20.28	-250.78	1,922,203.43	2,742,897.52	36.28268477	-107.76613294
2,048.78	25.93	265.38	2,001.00	-22.00	-272.04	1,922,201.71	2,742,876.26	36.28268009	-107.76620508
Chacra_A									
2,100.00	25.93	265.38	2,047.06	-23.81	-294.37	1,922,199.90	2,742,853.93	36.28267517	-107.76628084
2,200.00	25.93	265.38	2,137.00	-27.33	-337.96	1,922,196.37	2,742,810.34	36.28266557	-107.76642875
2,300.00	25.93	265.38	2,226.93	-30.86	-381.55	1,922,192.85	2,742,766.75	36.28265597	-107.76657666
2,400.00	25.93	265.38	2,316.86	-34.38	-425.14	1,922,189.32	2,742,723.16	36.28264637	-107.76672457
2,500.00	25.93	265.38	2,406.79	-37.91	-468.73	1,922,185.80	2,742,679.57	36.28263676	-107.76687248
2,600.00	25.93	265.38	2,496.72	-41.43	-512.32	1,922,182.27	2,742,635.98	36.28262716	-107.76702039
2,700.00	25.93	265.38	2,586.65	-44.96	-555.91	1,922,178.75	2,742,592.39	36.28261756	-107.76716829
2,800.00	25.93	265.38	2,676.58	-48.48	-599.50	1,922,175.22	2,742,548.80	36.28260796	-107.76731620
2,900.00	25.93	265.38	2,766.51	-52.01	-643.09	1,922,171.70	2,742,505.21	36.28259836	-107.76746411
3,000.00	25.93	265.38	2,856.44	-55.53	-686.68	1,922,168.17	2,742,461.62	36.28258875	-107.76761202
3,100.00	25.93	265.38	2,946.37	-59.06	-730.27	1,922,164.65	2,742,418.03	36.28257915	-107.76775993
3,200.00	25.93	265.38	3,036.30	-62.58	-773.87	1,922,161.12	2,742,374.44	36.28256955	-107.76790784
3,260.83	25.93	265.38	3,091.00	-64.73	-800.38	1,922,158.98	2,742,347.92	36.28256371	-107.76799780
Cliff House_Basal									
3,294.19	25.93	265.38	3,121.00	-65.90	-814.92	1,922,157.80	2,742,333.38	36.28256050	-107.76804715
Menefee									

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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
3,300.00	25.93	265.38	3,126.23	-66.11	-817.46	1,922,157.60	2,742,330.84	36.28255994	-107.76805574
3,400.00	25.93	265.38	3,216.16	-69.63	-861.05	1,922,154.07	2,742,287.25	36.28255034	-107.76820365
3,460.98	25.93	265.38	3,271.00	-71.78	-887.63	1,922,151.92	2,742,260.67	36.28254448	-107.76829385
3,500.00	25.93	265.38	3,306.09	-73.16	-904.64	1,922,150.55	2,742,243.66	36.28254074	-107.76835156
3,600.00	25.93	265.38	3,396.02	-76.68	-948.23	1,922,147.02	2,742,200.07	36.28253113	-107.76849947
3,700.00	25.93	265.38	3,485.95	-80.21	-991.82	1,922,143.50	2,742,156.48	36.28252153	-107.76864738
3,800.00	25.93	265.38	3,575.88	-83.73	-1,035.41	1,922,139.97	2,742,112.89	36.28251193	-107.76879528
3,900.00	25.93	265.38	3,665.81	-87.26	-1,079.00	1,922,136.45	2,742,069.30	36.28250232	-107.76894319
4,000.00	25.93	265.38	3,755.74	-90.78	-1,122.59	1,922,132.92	2,742,025.71	36.28249272	-107.76909110
4,100.00	25.93	265.38	3,845.67	-94.31	-1,166.18	1,922,129.40	2,741,982.12	36.28248311	-107.76923901
4,200.00	25.93	265.38	3,935.60	-97.83	-1,209.77	1,922,125.87	2,741,938.53	36.28247351	-107.76938691
4,300.00	25.93	265.38	4,025.53	-101.36	-1,253.36	1,922,122.35	2,741,894.94	36.28246390	-107.76953482
4,328.32	25.93	265.38	4,051.00	-102.36	-1,265.71	1,922,121.35	2,741,882.60	36.28246118	-107.76957671
Point Lookout									
4,400.00	25.93	265.38	4,115.46	-104.88	-1,296.95	1,922,118.82	2,741,851.35	36.28245430	-107.76968273
4,500.00	25.93	265.38	4,205.39	-108.41	-1,340.54	1,922,115.30	2,741,807.76	36.28244469	-107.76983064
4,547.38	25.93	265.38	4,248.00	-110.08	-1,361.20	1,922,113.63	2,741,787.11	36.28244014	-107.76990072
Mancos									
4,600.00	25.93	265.38	4,295.32	-111.94	-1,384.13	1,922,111.77	2,741,764.17	36.28243509	-107.76997855
4,700.00	25.93	265.38	4,385.25	-115.46	-1,427.72	1,922,108.25	2,741,720.58	36.28242548	-107.77012645
4,800.00	25.93	265.38	4,475.18	-118.99	-1,471.31	1,922,104.72	2,741,676.99	36.28241588	-107.77027436
4,900.00	25.93	265.38	4,565.11	-122.51	-1,514.90	1,922,101.20	2,741,633.40	36.28240627	-107.77042227
4,934.35	25.93	265.38	4,596.00	-123.72	-1,529.88	1,922,099.98	2,741,618.43	36.28240297	-107.77047307
MNCS_A									
5,000.00	25.93	265.38	4,655.04	-126.04	-1,558.49	1,922,097.67	2,741,589.81	36.28239666	-107.77057018
5,031.09	25.93	265.38	4,683.00	-127.13	-1,572.05	1,922,096.57	2,741,576.26	36.28239368	-107.77061616
MNCS_B									
5,100.00	25.93	265.38	4,744.97	-129.56	-1,602.08	1,922,094.15	2,741,546.22	36.28238706	-107.77071808
5,148.96	25.93	265.38	4,789.00	-131.29	-1,623.43	1,922,092.42	2,741,524.88	36.28238236	-107.77079050
MNCS_C									
5,197.89	25.93	265.38	4,833.00	-133.01	-1,644.75	1,922,090.69	2,741,503.55	36.28237766	-107.77086286
MNCS_Cms									
5,200.00	25.93	265.38	4,834.90	-133.09	-1,645.67	1,922,090.62	2,741,502.63	36.28237745	-107.77086599
5,300.00	25.93	265.38	4,924.83	-136.61	-1,689.27	1,922,087.09	2,741,459.04	36.28236785	-107.77101390
5,313.24	25.93	265.38	4,936.74	-137.08	-1,695.04	1,922,086.63	2,741,453.27	36.28236657	-107.77103347
Begin 10°/100' build/turn									
5,331.42	27.21	268.27	4,953.00	-137.52	-1,703.16	1,922,086.18	2,741,445.15	36.28236536	-107.77106103
MNCS_D									
5,350.00	28.57	270.98	4,969.42	-137.58	-1,711.84	1,922,086.13	2,741,436.46	36.28236523	-107.77109051
5,400.00	32.46	277.18	5,012.50	-135.70	-1,737.13	1,922,088.01	2,741,411.17	36.28237045	-107.77117629
5,450.00	36.59	282.15	5,053.69	-130.88	-1,765.03	1,922,092.83	2,741,383.27	36.28238373	-107.77127094
5,459.15	37.37	282.96	5,061.00	-129.68	-1,770.40	1,922,094.02	2,741,377.90	36.28238702	-107.77128917
MNCS_E									
5,500.00	40.90	286.23	5,092.68	-123.16	-1,795.33	1,922,100.54	2,741,352.97	36.28240497	-107.77137375
5,550.00	45.32	289.64	5,129.18	-112.61	-1,827.81	1,922,111.10	2,741,320.49	36.28243403	-107.77148392
5,555.45	45.81	289.98	5,133.00	-111.29	-1,831.47	1,922,112.42	2,741,316.83	36.28243766	-107.77149635
MNCS_F									
5,600.00	49.83	292.57	5,162.91	-99.29	-1,862.22	1,922,124.41	2,741,286.09	36.28247066	-107.77160063
5,650.00	54.41	295.13	5,193.60	-83.32	-1,898.28	1,922,140.39	2,741,250.02	36.28251461	-107.77172297
5,680.98	57.26	296.57	5,211.00	-72.14	-1,921.35	1,922,151.56	2,741,226.96	36.28254535	-107.77180120
MNCS_G									
5,700.00	59.03	297.41	5,221.04	-64.81	-1,935.74	1,922,158.89	2,741,212.56	36.28256552	-107.77185003
5,750.00	63.69	299.47	5,245.00	-43.91	-1,974.31	1,922,179.80	2,741,173.99	36.28262301	-107.77198083

Planning Report - Geographic

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Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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
5,763.85	64.98	300.02	5,251.00	-37.71	-1,985.15	1,922,186.00	2,741,163.15	36.28264005	-107.77201760
MNCS_H									
5,800.00	68.37	301.38	5,265.31	-20.76	-2,013.68	1,922,202.94	2,741,134.62	36.28268666	-107.77211438
5,817.29	70.00	302.01	5,271.45	-12.27	-2,027.43	1,922,211.43	2,741,120.87	36.28271000	-107.77216100
POE @ 5817.29 MD 5271.45 TVD									
5,850.00	73.27	302.01	5,281.76	4.18	-2,053.75	1,922,227.89	2,741,094.55	36.28275525	-107.77225029
5,865.44	74.82	302.01	5,286.00	12.05	-2,066.34	1,922,235.76	2,741,081.96	36.28277689	-107.77229298
MNCS_I									
5,900.00	78.27	302.01	5,294.04	29.86	-2,094.84	1,922,253.57	2,741,053.46	36.28282587	-107.77238963
5,950.00	83.27	302.01	5,302.06	56.02	-2,136.67	1,922,279.72	2,741,011.63	36.28289778	-107.77253152
6,000.00	88.27	302.01	5,305.74	82.44	-2,178.94	1,922,306.14	2,740,969.36	36.28297044	-107.77267488
6,017.29	90.00	302.01	5,306.00	91.60	-2,193.60	1,922,315.31	2,740,954.70	36.28299563	-107.77272458
Begin 90.00° lateral									
6,100.00	90.00	302.01	5,306.00	135.44	-2,263.74	1,922,359.15	2,740,884.57	36.28311620	-107.77296247
6,200.00	90.00	302.01	5,306.00	188.45	-2,348.53	1,922,412.16	2,740,799.77	36.28326195	-107.77325006
6,300.00	90.00	302.01	5,306.00	241.46	-2,433.33	1,922,465.16	2,740,714.98	36.28340771	-107.77353766
6,400.00	90.00	302.01	5,306.00	294.46	-2,518.12	1,922,518.17	2,740,630.18	36.28355347	-107.77382526
6,500.00	90.00	302.01	5,306.00	347.47	-2,602.92	1,922,571.18	2,740,545.38	36.28369922	-107.77411286
6,600.00	90.00	302.01	5,306.00	400.48	-2,687.72	1,922,624.18	2,740,460.59	36.28384498	-107.77440046
6,700.00	90.00	302.01	5,306.00	453.48	-2,772.51	1,922,677.19	2,740,375.79	36.28399073	-107.77468807
6,800.00	90.00	302.01	5,306.00	506.49	-2,857.31	1,922,730.20	2,740,291.00	36.28413648	-107.77497567
6,900.00	90.00	302.01	5,306.00	559.50	-2,942.10	1,922,783.20	2,740,206.20	36.28428223	-107.77526326
7,000.00	90.00	302.01	5,306.00	612.50	-3,026.90	1,922,836.21	2,740,121.41	36.28442799	-107.77555087
7,100.00	90.00	302.01	5,306.00	665.51	-3,111.69	1,922,889.21	2,740,036.61	36.28457374	-107.77583848
7,200.00	90.00	302.01	5,306.00	718.52	-3,196.49	1,922,942.22	2,739,951.82	36.28471949	-107.77612608
7,300.00	90.00	302.01	5,306.00	771.52	-3,281.28	1,922,995.23	2,739,867.02	36.28486524	-107.77641369
7,400.00	90.00	302.01	5,306.00	824.53	-3,366.08	1,923,048.23	2,739,782.23	36.28501099	-107.77670130
7,500.00	90.00	302.01	5,306.00	877.54	-3,450.88	1,923,101.24	2,739,697.43	36.28515673	-107.77698891
7,600.00	90.00	302.01	5,306.00	930.54	-3,535.67	1,923,154.25	2,739,612.63	36.28530248	-107.77727653
7,700.00	90.00	302.01	5,306.00	983.55	-3,620.47	1,923,207.25	2,739,527.84	36.28544823	-107.77756414
7,800.00	90.00	302.01	5,306.00	1,036.56	-3,705.26	1,923,260.26	2,739,443.04	36.28559397	-107.77785175
7,900.00	90.00	302.01	5,306.00	1,089.56	-3,790.06	1,923,313.27	2,739,358.25	36.28573972	-107.77813937
8,000.00	90.00	302.01	5,306.00	1,142.57	-3,874.85	1,923,366.27	2,739,273.45	36.28588546	-107.77842699
8,100.00	90.00	302.01	5,306.00	1,195.58	-3,959.65	1,923,419.28	2,739,188.66	36.28603121	-107.77871460
8,200.00	90.00	302.01	5,306.00	1,248.58	-4,044.45	1,923,472.29	2,739,103.86	36.28617695	-107.77900222
8,300.00	90.00	302.01	5,306.00	1,301.59	-4,129.24	1,923,525.29	2,739,019.07	36.28632269	-107.77928984
8,400.00	90.00	302.01	5,306.00	1,354.60	-4,214.04	1,923,578.30	2,738,934.27	36.28646844	-107.77957746
8,500.00	90.00	302.01	5,306.00	1,407.60	-4,298.83	1,923,631.31	2,738,849.48	36.28661418	-107.77986508
8,600.00	90.00	302.01	5,306.00	1,460.61	-4,383.63	1,923,684.31	2,738,764.68	36.28675992	-107.78015271
8,700.00	90.00	302.01	5,306.00	1,513.62	-4,468.42	1,923,737.32	2,738,679.88	36.28690566	-107.78044033
8,800.00	90.00	302.01	5,306.00	1,566.62	-4,553.22	1,923,790.33	2,738,595.09	36.28705140	-107.78072796
8,900.00	90.00	302.01	5,306.00	1,619.63	-4,638.01	1,923,843.33	2,738,510.29	36.28719714	-107.78101558
9,000.00	90.00	302.01	5,306.00	1,672.64	-4,722.81	1,923,896.34	2,738,425.50	36.28734287	-107.78130321
9,100.00	90.00	302.01	5,306.00	1,725.64	-4,807.61	1,923,949.35	2,738,340.70	36.28748861	-107.78159084
9,200.00	90.00	302.01	5,306.00	1,778.65	-4,892.40	1,924,002.35	2,738,255.91	36.28763435	-107.78187847
9,300.00	90.00	302.01	5,306.00	1,831.66	-4,977.20	1,924,055.36	2,738,171.11	36.28778008	-107.78216610
9,400.00	90.00	302.01	5,306.00	1,884.66	-5,061.99	1,924,108.36	2,738,086.32	36.28792582	-107.78245373
9,500.00	90.00	302.01	5,306.00	1,937.67	-5,146.79	1,924,161.37	2,738,001.52	36.28807155	-107.78274136
9,600.00	90.00	302.01	5,306.00	1,990.68	-5,231.58	1,924,214.38	2,737,916.73	36.28821729	-107.78302899
9,700.00	90.00	302.01	5,306.00	2,043.68	-5,316.38	1,924,267.38	2,737,831.93	36.28836302	-107.78331663
9,800.00	90.00	302.01	5,306.00	2,096.69	-5,401.18	1,924,320.39	2,737,747.13	36.28850875	-107.78360426
9,900.00	90.00	302.01	5,306.00	2,149.70	-5,485.97	1,924,373.40	2,737,662.34	36.28865448	-107.78389190
10,000.00	90.00	302.01	5,306.00	2,202.70	-5,570.77	1,924,426.40	2,737,577.54	36.28880021	-107.78417954
10,100.00	90.00	302.01	5,306.00	2,255.71	-5,655.56	1,924,479.41	2,737,492.75	36.28894594	-107.78446718

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Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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
10,200.00	90.00	302.01	5,306.00	2,308.72	-5,740.36	1,924,532.42	2,737,407.95	36.28909167	-107.78475482
10,300.00	90.00	302.01	5,306.00	2,361.72	-5,825.15	1,924,585.42	2,737,323.16	36.28923740	-107.78504246
10,400.00	90.00	302.01	5,306.00	2,414.73	-5,909.95	1,924,638.43	2,737,238.36	36.28938313	-107.78533010
10,500.00	90.00	302.01	5,306.00	2,467.74	-5,994.74	1,924,691.44	2,737,153.57	36.28952886	-107.78561774
10,600.00	90.00	302.01	5,306.00	2,520.74	-6,079.54	1,924,744.44	2,737,068.77	36.28967458	-107.78590539
10,700.00	90.00	302.01	5,306.00	2,573.75	-6,164.34	1,924,797.45	2,736,983.98	36.28982031	-107.78619303
10,800.00	90.00	302.01	5,306.00	2,626.76	-6,249.13	1,924,850.46	2,736,899.18	36.28996603	-107.78648068
10,900.00	90.00	302.01	5,306.00	2,679.76	-6,333.93	1,924,903.46	2,736,814.38	36.29011176	-107.78676833
11,000.00	90.00	302.01	5,306.00	2,732.77	-6,418.72	1,924,956.47	2,736,729.59	36.29025748	-107.78705598
11,100.00	90.00	302.01	5,306.00	2,785.78	-6,503.52	1,925,009.48	2,736,644.79	36.29040321	-107.78734362
11,200.00	90.00	302.01	5,306.00	2,838.78	-6,588.31	1,925,062.48	2,736,560.00	36.29054893	-107.78763128
11,300.00	90.00	302.01	5,306.00	2,891.79	-6,673.11	1,925,115.49	2,736,475.20	36.29069465	-107.78791893
11,400.00	90.00	302.01	5,306.00	2,944.80	-6,757.90	1,925,168.50	2,736,390.41	36.29084037	-107.78820658
11,500.00	90.00	302.01	5,306.00	2,997.80	-6,842.70	1,925,221.50	2,736,305.61	36.29098609	-107.78849423
11,600.00	90.00	302.01	5,306.00	3,050.81	-6,927.50	1,925,274.51	2,736,220.82	36.29113181	-107.78878189
11,700.00	90.00	302.01	5,306.00	3,103.82	-7,012.29	1,925,327.52	2,736,136.02	36.29127753	-107.78906954
11,800.00	90.00	302.01	5,306.00	3,156.82	-7,097.09	1,925,380.52	2,736,051.23	36.29142325	-107.78935720
11,900.00	90.00	302.01	5,306.00	3,209.83	-7,181.88	1,925,433.53	2,735,966.43	36.29156897	-107.78964486
12,000.00	90.00	302.01	5,306.00	3,262.84	-7,266.68	1,925,486.53	2,735,881.63	36.29171468	-107.78993252
12,100.00	90.00	302.01	5,306.00	3,315.84	-7,351.47	1,925,539.54	2,735,796.84	36.29186040	-107.79022018
12,200.00	90.00	302.01	5,306.00	3,368.85	-7,436.27	1,925,592.55	2,735,712.04	36.29200611	-107.79050784
12,300.00	90.00	302.01	5,306.00	3,421.86	-7,521.07	1,925,645.55	2,735,627.25	36.29215183	-107.79079550
12,400.00	90.00	302.01	5,306.00	3,474.86	-7,605.86	1,925,698.56	2,735,542.45	36.29229754	-107.79108317
12,500.00	90.00	302.01	5,306.00	3,527.87	-7,690.66	1,925,751.57	2,735,457.66	36.29244326	-107.79137083
12,600.00	90.00	302.01	5,306.00	3,580.88	-7,775.45	1,925,804.57	2,735,372.86	36.29258897	-107.79165850
12,700.00	90.00	302.01	5,306.00	3,633.88	-7,860.25	1,925,857.58	2,735,288.07	36.29273468	-107.79194616
12,800.00	90.00	302.01	5,306.00	3,686.89	-7,945.04	1,925,910.59	2,735,203.27	36.29288039	-107.79223383
12,900.00	90.00	302.01	5,306.00	3,739.90	-8,029.84	1,925,963.59	2,735,118.48	36.29302610	-107.79252150
13,000.00	90.00	302.01	5,306.00	3,792.90	-8,114.63	1,926,016.60	2,735,033.68	36.29317181	-107.79280917
13,100.00	90.00	302.01	5,306.00	3,845.91	-8,199.43	1,926,069.61	2,734,948.88	36.29331752	-107.79309684
13,200.00	90.00	302.01	5,306.00	3,898.91	-8,284.23	1,926,122.61	2,734,864.09	36.29346323	-107.79338451
13,300.00	90.00	302.01	5,306.00	3,951.92	-8,369.02	1,926,175.62	2,734,779.29	36.29360894	-107.79367219
13,400.00	90.00	302.01	5,306.00	4,004.93	-8,453.82	1,926,228.63	2,734,694.50	36.29375465	-107.79395986
13,500.00	90.00	302.01	5,306.00	4,057.93	-8,538.61	1,926,281.63	2,734,609.70	36.29390035	-107.79424754
13,600.00	90.00	302.01	5,306.00	4,110.94	-8,623.41	1,926,334.64	2,734,524.91	36.29404606	-107.79453521
13,700.00	90.00	302.01	5,306.00	4,163.95	-8,708.20	1,926,387.65	2,734,440.11	36.29419176	-107.79482289
13,800.00	90.00	302.01	5,306.00	4,216.95	-8,793.00	1,926,440.65	2,734,355.32	36.29433747	-107.79511057
13,900.00	90.00	302.01	5,306.00	4,269.96	-8,877.80	1,926,493.66	2,734,270.52	36.29448317	-107.79539825
14,000.00	90.00	302.01	5,306.00	4,322.97	-8,962.59	1,926,546.67	2,734,185.73	36.29462887	-107.79568593
14,100.00	90.00	302.01	5,306.00	4,375.97	-9,047.39	1,926,599.67	2,734,100.93	36.29477458	-107.79597361
14,200.00	90.00	302.01	5,306.00	4,428.98	-9,132.18	1,926,652.68	2,734,016.14	36.29492028	-107.79626129
14,300.00	90.00	302.01	5,306.00	4,481.99	-9,216.98	1,926,705.68	2,733,931.34	36.29506598	-107.79654898
14,400.00	90.00	302.01	5,306.00	4,534.99	-9,301.77	1,926,758.69	2,733,846.54	36.29521168	-107.79683666
14,500.00	90.00	302.01	5,306.00	4,588.00	-9,386.57	1,926,811.70	2,733,761.75	36.29535738	-107.79712435
14,600.00	90.00	302.01	5,306.00	4,641.01	-9,471.36	1,926,864.70	2,733,676.95	36.29550308	-107.79741203
14,700.00	90.00	302.01	5,306.00	4,694.01	-9,556.16	1,926,917.71	2,733,592.16	36.29564878	-107.79769972
14,800.00	90.00	302.01	5,306.00	4,747.02	-9,640.96	1,926,970.72	2,733,507.36	36.29579447	-107.79798741
14,900.00	90.00	302.01	5,306.00	4,800.03	-9,725.75	1,927,023.72	2,733,422.57	36.29594017	-107.79827510
15,000.00	90.00	302.01	5,306.00	4,853.03	-9,810.55	1,927,076.73	2,733,337.77	36.29608587	-107.79856279
15,100.00	90.00	302.01	5,306.00	4,906.04	-9,895.34	1,927,129.74	2,733,252.98	36.29623156	-107.79885049
15,200.00	90.00	302.01	5,306.00	4,959.05	-9,980.14	1,927,182.74	2,733,168.18	36.29637726	-107.79913818
15,300.00	90.00	302.01	5,306.00	5,012.05	-10,064.93	1,927,235.75	2,733,083.39	36.29652295	-107.79942587
15,400.00	90.00	302.01	5,306.00	5,065.06	-10,149.73	1,927,288.76	2,732,998.59	36.29666864	-107.79971357
15,500.00	90.00	302.01	5,306.00	5,118.07	-10,234.53	1,927,341.76	2,732,913.79	36.29681434	-107.80000127
15,600.00	90.00	302.01	5,306.00	5,171.07	-10,319.32	1,927,394.77	2,732,829.00	36.29696003	-107.80028896

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**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
15,700.00	90.00	302.01	5,306.00	5,224.08	-10,404.12	1,927,447.78	2,732,744.20	36.29710572	-107.80057666
15,800.00	90.00	302.01	5,306.00	5,277.09	-10,488.91	1,927,500.78	2,732,659.41	36.29725141	-107.80086436
15,900.00	90.00	302.01	5,306.00	5,330.09	-10,573.71	1,927,553.79	2,732,574.61	36.29739710	-107.80115206
16,000.00	90.00	302.01	5,306.00	5,383.10	-10,658.50	1,927,606.80	2,732,489.82	36.29754279	-107.80143977
16,100.00	90.00	302.01	5,306.00	5,436.11	-10,743.30	1,927,659.80	2,732,405.02	36.29768848	-107.80172747
16,200.00	90.00	302.01	5,306.00	5,489.11	-10,828.09	1,927,712.81	2,732,320.23	36.29783417	-107.80201517
16,300.00	90.00	302.01	5,306.00	5,542.12	-10,912.89	1,927,765.82	2,732,235.43	36.29797985	-107.80230288
16,400.00	90.00	302.01	5,306.00	5,595.13	-10,997.69	1,927,818.82	2,732,150.64	36.29812554	-107.80259058
16,500.00	90.00	302.01	5,306.00	5,648.13	-11,082.48	1,927,871.83	2,732,065.84	36.29827122	-107.80287829
16,523.18	90.00	302.01	5,306.00	5,660.42	-11,102.14	1,927,884.12	2,732,046.18	36.29830500	-107.80294500
PBHL @ 16523.18 MD 5306.00 TVD									

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
Nageezi 216H PPP/POE - plan hits target center - Point	0.00	0.00	5,271.45	-12.27	-2,027.43	1,922,211.43	2,741,120.87	36.28271000	-107.77216100
Nageezi 216H 0 VS - plan misses target center by 1409.64ft at 5184.76ft MD (4821.20 TVD, -132.55 N, -1639.03 E) - Point	0.00	0.00	5,306.00	-920.10	-575.16	1,921,303.61	2,742,573.14	36.28021353	-107.76723563
Nageezi 216H BHL 216 - plan hits target center - Point	0.00	0.00	5,306.00	5,660.42	-11,102.14	1,927,884.12	2,732,046.18	36.29830500	-107.80294500

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00		13-3/8	17-1/2
3,460.98	3,271.00		9-5/8	12-1/4

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Planning Report - Geographic

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Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**North Reference:**	Grid
Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
831.00	831.00	Ojo Alamo			
956.00	956.00	Kirtland			
1,246.69	1,246.00	Fruitland			
1,600.86	1,591.00	Pictured Cliffs			
1,717.78	1,701.00	Lewis			
2,048.78	2,001.00	Chacra_A			
3,260.83	3,091.00	Cliff House_Basal			
3,294.19	3,121.00	Menefee			
4,328.32	4,051.00	Point Lookout			
4,547.38	4,248.00	Mancos			
4,934.35	4,596.00	MNCS_A			
5,031.09	4,683.00	MNCS_B			
5,148.96	4,789.00	MNCS_C			
5,197.89	4,833.00	MNCS_Cms			
5,331.42	4,953.00	MNCS_D			
5,459.15	5,061.00	MNCS_E			
5,555.45	5,133.00	MNCS_F			
5,680.98	5,211.00	MNCS_G			
5,763.85	5,251.00	MNCS_H			
5,865.44	5,286.00	MNCS_I			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,864.45	1,835.23	-15.50	-191.69	Begin 25.93° tangent
5,313.24	4,936.74	-137.08	-1,695.04	Begin 10°/100' build/turn
5,817.29	5,271.45	-12.27	-2,027.43	POE @ 5817.29 MD 5271.45 TVD
6,017.29	5,306.00	91.60	-2,193.60	Begin 90.00° lateral
16,523.18	5,306.00	5,660.42	-11,102.14	PBHL @ 16523.18 MD 5306.00 TVD

Released to Imaging: 7/11/2024 10:27:59 AM

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
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 1,852.32ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 2/8/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,523.18	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
Nageezi Unit (213, 214, 215, 216, 217 & 218)						
Nageezi Unit 213H - Original Hole - rev0	1,186.73	1,186.44	17.89	9.58	2.154	CC
Nageezi Unit 213H - Original Hole - rev0	1,200.00	1,199.63	17.94	9.54	2.136	ES, SF
Nageezi Unit 214H - Original Hole - rev0	1,000.00	1,000.00	19.97	12.98	2.857	CC
Nageezi Unit 214H - Original Hole - rev0	1,100.00	1,100.32	20.33	12.64	2.643	ES
Nageezi Unit 214H - Original Hole - rev0	1,300.00	1,300.92	23.19	14.10	2.549	SF
Nageezi Unit 215H - Original Hole - rev0	1,000.00	1,000.00	40.17	33.18	5.747	CC
Nageezi Unit 215H - Original Hole - rev0	1,100.00	1,098.80	40.48	32.80	5.270	ES
Nageezi Unit 215H - Original Hole - rev0	14,700.00	14,668.70	1,847.91	1,347.23	3.691	SF
Nageezi Unit 217H - Original Hole - rev0	1,372.26	1,369.91	71.24	61.59	7.385	CC, ES
Nageezi Unit 217H - Original Hole - rev0	1,400.00	1,397.08	71.45	61.60	7.256	SF
Nageezi Unit 218H - Original Hole - rev0	774.85	775.81	56.76	51.39	10.563	CC
Nageezi Unit 218H - Original Hole - rev0	800.00	800.65	56.89	51.33	10.239	ES
Nageezi Unit 218H - Original Hole - rev0	900.00	898.33	60.87	54.58	9.684	SF

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 213H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD **Rule Assigned:** **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	-157.61	-18.57	-7.65	20.08				
100.00	100.00	100.00	100.00	0.27	0.27	-157.61	-18.57	-7.65	20.08	19.55	0.54	37.352	
200.00	200.00	200.00	200.00	0.63	0.63	-157.61	-18.57	-7.65	20.08	18.83	1.25	16.008	
300.00	300.00	300.00	300.00	0.99	0.99	-157.61	-18.57	-7.65	20.08	18.11	1.97	10.187	
400.00	400.00	400.00	400.00	1.34	1.34	-157.61	-18.57	-7.65	20.08	17.40	2.69	7.470	
500.00	500.00	500.00	500.00	1.70	1.70	-157.61	-18.57	-7.65	20.08	16.68	3.41	5.898	
600.00	600.00	600.00	600.00	2.06	2.06	-157.61	-18.57	-7.65	20.08	15.96	4.12	4.872	
700.00	700.00	700.00	700.00	2.42	2.42	-157.61	-18.57	-7.65	20.08	15.25	4.84	4.150	
800.00	800.00	800.00	800.00	2.78	2.78	-157.61	-18.57	-7.65	20.08	14.53	5.56	3.615	
900.00	900.00	900.00	900.00	3.14	3.14	-157.61	-18.57	-7.65	20.08	13.81	6.27	3.202	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-157.61	-18.57	-7.65	20.08	13.09	6.99	2.873	
1,100.00	1,099.95	1,099.95	1,099.95	3.84	3.85	-70.05	-18.57	-7.65	19.04	11.34	7.70	2.473	
1,186.73	1,186.44	1,186.44	1,186.44	4.15	4.16	-90.00	-18.57	-7.65	17.89	9.58	8.31	2.154	CC
1,200.00	1,199.63	1,199.63	1,199.63	4.19	4.21	-94.26	-18.57	-7.65	17.94	9.54	8.40	2.136	ES, SF
1,300.00	1,298.77	1,297.89	1,297.85	4.55	4.56	-132.51	-18.52	-5.14	24.74	15.64	9.10	2.720	

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:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 213H - 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
1,400.00	1,397.08	1,393.01	1,392.68	4.93	4.89	-155.45	-18.39	2.09	46.41	36.67	9.75	4.762	
1,500.00	1,494.31	1,483.68	1,482.64	5.34	5.21	-164.93	-18.18	13.38	80.16	69.80	10.36	7.740	
1,600.00	1,590.18	1,568.84	1,566.55	5.79	5.53	-169.33	-17.91	27.85	123.74	112.82	10.92	11.328	
1,700.00	1,684.43	1,647.72	1,643.63	6.30	5.83	-171.65	-17.60	44.58	175.97	164.53	11.45	15.374	
1,800.00	1,776.81	1,724.96	1,718.52	6.88	6.15	-173.08	-17.24	63.48	235.42	223.42	12.00	19.623	
1,900.00	1,867.20	1,801.97	1,793.13	7.53	6.48	-174.10	-16.89	82.55	299.06	286.47	12.59	23.747	
2,000.00	1,957.13	1,878.28	1,867.07	8.24	6.82	-174.91	-16.54	101.45	363.59	350.42	13.17	27.613	
2,100.00	2,047.06	1,954.60	1,941.00	8.97	7.17	-175.47	-16.18	120.36	428.14	414.39	13.75	31.137	
2,200.00	2,137.00	2,030.91	2,014.94	9.74	7.52	-175.88	-15.83	139.26	492.71	478.37	14.34	34.356	
2,300.00	2,226.93	2,107.23	2,088.87	10.52	7.88	-176.20	-15.48	158.16	557.30	542.36	14.94	37.303	
2,400.00	2,316.86	2,183.54	2,162.81	11.31	8.25	-176.46	-15.13	177.06	621.89	606.35	15.55	40.006	
2,500.00	2,406.79	2,259.85	2,236.74	12.12	8.62	-176.66	-14.77	195.96	686.49	670.33	16.16	42.491	
2,600.00	2,496.72	2,336.17	2,310.68	12.94	8.99	-176.83	-14.42	214.87	751.09	734.32	16.77	44.781	
2,700.00	2,586.65	2,412.48	2,384.61	13.77	9.37	-176.97	-14.07	233.77	815.70	798.31	17.39	46.898	
2,800.00	2,676.58	2,488.79	2,458.55	14.60	9.76	-177.10	-13.72	252.67	880.31	862.29	18.02	48.857	
2,900.00	2,766.51	2,565.11	2,532.48	15.44	10.14	-177.20	-13.36	271.57	944.92	926.27	18.65	50.675	
3,000.00	2,856.44	2,641.42	2,606.42	16.28	10.53	-177.29	-13.01	290.47	1,009.53	990.25	19.28	52.364	
3,100.00	2,946.37	2,717.74	2,680.35	17.13	10.92	-177.37	-12.66	309.38	1,074.15	1,054.23	19.91	53.938	
3,200.00	3,036.30	2,794.05	2,754.29	17.98	11.32	-177.45	-12.31	328.28	1,138.76	1,118.21	20.55	55.407	
3,300.00	3,126.23	2,870.36	2,828.22	18.84	11.71	-177.51	-11.95	347.18	1,203.38	1,182.18	21.19	56.780	
3,400.00	3,216.16	2,946.68	2,902.16	19.70	12.11	-177.57	-11.60	366.08	1,267.99	1,246.16	21.84	58.066	
3,500.00	3,306.09	3,022.99	2,976.09	20.56	12.51	-177.62	-11.25	384.98	1,332.61	1,310.13	22.48	59.272	
3,600.00	3,396.02	3,099.31	3,050.03	21.42	12.91	-177.67	-10.90	403.89	1,397.23	1,374.10	23.13	60.406	
3,700.00	3,485.95	3,175.62	3,123.96	22.28	13.31	-177.71	-10.54	422.79	1,461.85	1,438.07	23.78	61.472	
3,800.00	3,575.88	3,251.93	3,197.90	23.15	13.71	-177.75	-10.19	441.69	1,526.47	1,502.03	24.43	62.477	
3,900.00	3,665.81	3,328.25	3,271.83	24.02	14.11	-177.78	-9.84	460.59	1,591.08	1,566.00	25.09	63.426	
4,000.00	3,755.74	3,404.56	3,345.77	24.89	14.52	-177.82	-9.49	479.49	1,655.70	1,629.96	25.74	64.323	
4,100.00	3,845.67	3,480.87	3,419.70	25.75	14.92	-177.85	-9.13	498.40	1,720.32	1,693.93	26.40	65.171	
4,200.00	3,935.60	3,557.19	3,493.64	26.63	15.33	-177.88	-8.78	517.30	1,784.94	1,757.89	27.06	65.974	
4,300.00	4,025.53	3,633.50	3,567.57	27.50	15.74	-177.90	-8.43	536.20	1,849.56	1,821.85	27.71	66.737	
4,600.00	4,295.32	6,651.43	5,339.80	30.12	36.08	145.21	1,000.66	-338.24	1,850.05	1,798.87	51.18	36.146	
4,700.00	4,385.25	6,681.35	5,339.95	30.99	36.64	144.30	1,021.07	-360.11	1,828.37	1,774.71	53.67	34.069	
4,800.00	4,475.18	6,711.27	5,340.10	31.87	37.21	143.39	1,041.49	-381.99	1,811.47	1,755.35	56.13	32.275	
4,900.00	4,565.11	6,741.19	5,340.26	32.74	37.79	142.48	1,061.91	-403.86	1,799.48	1,740.94	58.54	30.738	
5,000.00	4,655.04	6,771.11	5,340.41	33.62	38.37	141.57	1,082.32	-425.73	1,792.49	1,731.61	60.88	29.443	
5,087.84	4,734.04	6,797.39	5,340.55	34.39	38.88	140.76	1,100.26	-444.94	1,790.53	1,727.68	62.85	28.487	
5,100.00	4,744.97	6,801.03	5,340.56	34.49	38.96	140.65	1,102.74	-447.60	1,790.57	1,727.45	63.12	28.368	
5,200.00	4,834.90	6,830.95	5,340.72	35.37	39.55	139.74	1,123.16	-469.47	1,793.72	1,728.48	65.25	27.492	
5,300.00	4,924.83	6,860.87	5,340.87	36.25	40.14	138.83	1,143.57	-491.34	1,801.94	1,734.70	67.24	26.799	
5,400.00	5,012.50	6,896.93	5,341.06	37.21	40.85	126.24	1,168.18	-517.70	1,815.22	1,745.95	69.27	26.205	
5,500.00	5,092.68	6,948.44	5,341.32	38.36	41.89	115.78	1,203.33	-555.36	1,832.74	1,761.06	71.68	25.568	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 214H - 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	21.61	18.57	7.36	19.97				
100.00	100.00	100.00	100.00	0.27	0.27	21.61	18.57	7.36	19.97	19.44	0.54	37.147	
200.00	200.00	200.00	200.00	0.63	0.63	21.61	18.57	7.36	19.97	18.72	1.25	15.920	
300.00	300.00	300.00	300.00	0.99	0.99	21.61	18.57	7.36	19.97	18.00	1.97	10.131	
400.00	400.00	400.00	400.00	1.34	1.34	21.61	18.57	7.36	19.97	17.29	2.69	7.429	
500.00	500.00	500.00	500.00	1.70	1.70	21.61	18.57	7.36	19.97	16.57	3.41	5.865	
600.00	600.00	600.00	600.00	2.06	2.06	21.61	18.57	7.36	19.97	15.85	4.12	4.845	
700.00	700.00	700.00	700.00	2.42	2.42	21.61	18.57	7.36	19.97	15.13	4.84	4.127	
800.00	800.00	800.00	800.00	2.78	2.78	21.61	18.57	7.36	19.97	14.42	5.56	3.595	
900.00	900.00	900.00	900.00	3.14	3.14	21.61	18.57	7.36	19.97	13.70	6.27	3.184	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	21.61	18.57	7.36	19.97	12.98	6.99	2.857 CC	
1,100.00	1,099.95	1,100.32	1,100.27	3.84	3.85	115.79	18.75	4.73	20.33	12.64	7.69	2.643 ES	
1,200.00	1,199.63	1,200.63	1,200.26	4.19	4.20	114.56	19.27	-3.15	21.40	13.01	8.38	2.552	
1,300.00	1,298.77	1,300.92	1,299.68	4.55	4.56	112.76	20.14	-16.25	23.19	14.10	9.10	2.549 SF	
1,400.00	1,397.08	1,401.18	1,398.24	4.93	4.94	110.67	21.35	-34.53	25.73	15.88	9.85	2.612	
1,500.00	1,494.31	1,501.40	1,495.66	5.34	5.35	108.51	22.91	-57.94	29.02	18.36	10.67	2.721	
1,600.00	1,590.18	1,601.58	1,591.68	5.79	5.81	106.46	24.80	-86.40	33.07	21.50	11.57	2.858	
1,700.00	1,684.43	1,701.70	1,686.02	6.30	6.32	104.59	27.02	-119.83	37.86	25.27	12.58	3.008	
1,800.00	1,776.81	1,801.76	1,778.42	6.88	6.90	102.94	29.56	-158.11	43.38	29.65	13.74	3.158	
1,900.00	1,867.20	1,901.75	1,868.62	7.53	7.56	101.19	32.41	-201.15	49.56	34.51	15.05	3.294	
2,000.00	1,957.13	2,001.52	1,956.90	8.24	8.30	97.07	35.49	-247.52	55.87	39.36	16.51	3.384	
2,100.00	2,047.06	2,101.24	2,045.05	8.97	9.08	93.61	38.58	-294.05	62.42	44.40	18.03	3.463	
2,200.00	2,137.00	2,200.97	2,133.19	9.74	9.89	90.82	41.67	-340.58	69.16	49.58	19.58	3.533	
2,300.00	2,226.93	2,300.69	2,221.34	10.52	10.72	88.53	44.76	-387.11	76.03	54.88	21.15	3.595	
2,400.00	2,316.86	2,400.41	2,309.48	11.31	11.57	86.62	47.85	-433.64	83.00	60.26	22.74	3.649	
2,500.00	2,406.79	2,500.13	2,397.63	12.12	12.43	85.01	50.94	-480.18	90.05	65.70	24.35	3.698	
2,600.00	2,496.72	2,599.85	2,485.78	12.94	13.31	83.63	54.03	-526.71	97.16	71.19	25.96	3.742	
2,700.00	2,586.65	2,699.57	2,573.92	13.77	14.20	82.44	57.12	-573.24	104.32	76.73	27.59	3.781	
2,800.00	2,676.58	2,799.30	2,662.07	14.60	15.09	81.40	60.21	-619.77	111.51	82.30	29.22	3.817	
2,900.00	2,766.51	2,899.02	2,750.22	15.44	15.99	80.49	63.30	-666.30	118.74	87.89	30.85	3.849	
3,000.00	2,856.44	2,998.74	2,838.36	16.28	16.90	79.68	66.39	-712.83	126.00	93.51	32.49	3.878	
3,100.00	2,946.37	3,098.46	2,926.51	17.13	17.81	78.97	69.48	-759.36	133.28	99.14	34.13	3.905	
3,200.00	3,036.30	3,198.18	3,014.65	17.98	18.72	78.32	72.57	-805.89	140.57	104.80	35.78	3.929	
3,300.00	3,126.23	3,297.90	3,102.80	18.84	19.64	77.74	75.66	-852.42	147.88	110.46	37.42	3.952	
3,400.00	3,216.16	3,397.63	3,190.95	19.70	20.56	77.22	78.75	-898.95	155.21	116.14	39.07	3.972	
3,500.00	3,306.09	3,497.35	3,279.09	20.56	21.49	76.74	81.84	-945.48	162.55	121.82	40.72	3.992	
3,600.00	3,396.02	3,597.07	3,367.24	21.42	22.41	76.30	84.93	-992.01	169.89	127.52	42.37	4.009	
3,700.00	3,485.95	3,696.79	3,455.39	22.28	23.34	75.90	88.02	-1,038.55	177.25	133.22	44.03	4.026	
3,800.00	3,575.88	3,796.51	3,543.53	23.15	24.27	75.53	91.11	-1,085.08	184.62	138.93	45.68	4.041	
3,900.00	3,665.81	3,896.23	3,631.68	24.02	25.20	75.19	94.20	-1,131.61	191.99	144.65	47.34	4.056	
4,000.00	3,755.74	3,995.96	3,719.82	24.89	26.14	74.88	97.29	-1,178.14	199.37	150.37	48.99	4.069	
4,100.00	3,845.67	4,098.39	3,810.87	25.75	27.08	74.86	100.40	-1,224.96	206.34	155.59	50.75	4.066	
4,200.00	3,935.60	4,202.44	3,905.64	26.63	27.94	76.16	103.24	-1,267.80	211.42	158.70	52.72	4.010	
4,300.00	4,025.53	4,305.93	4,002.07	27.50	28.70	78.79	105.73	-1,305.24	214.77	159.96	54.81	3.919	
4,400.00	4,115.46	4,408.26	4,099.28	28.37	29.37	82.69	107.84	-1,337.08	217.08	160.16	56.92	3.814	
4,500.00	4,205.39	4,508.87	4,196.39	29.24	29.93	87.77	109.58	-1,363.29	219.36	160.48	58.88	3.726	
4,600.00	4,295.32	4,607.26	4,292.57	30.12	30.40	93.90	110.95	-1,383.94	222.91	162.51	60.40	3.691	
4,700.00	4,385.25	4,703.02	4,387.08	30.99	30.79	100.80	111.97	-1,399.27	229.21	168.05	61.16	3.748	
4,800.00	4,475.18	4,795.77	4,479.24	31.87	31.09	108.11	112.66	-1,409.59	239.76	178.83	60.93	3.935	
4,900.00	4,565.11	4,885.24	4,568.52	32.74	31.33	115.43	113.04	-1,415.31	255.76	196.07	59.69	4.285	
5,000.00	4,655.04	4,971.78	4,655.04	33.62	31.51	122.44	113.14	-1,416.88	277.95	220.22	57.74	4.814	
5,100.00	4,744.97	5,061.71	4,744.97	34.49	31.68	128.97	113.14	-1,416.88	305.29	249.52	55.77	5.474	

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:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 214H - 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
5,200.00	4,834.90	5,152.35	4,835.24	35.37	31.93	133.31	117.74	-1,422.12	336.00	281.25	54.75	6.137	
5,300.00	4,924.83	5,248.09	4,928.14	36.25	32.35	134.63	132.73	-1,439.16	367.58	312.12	55.45	6.629	
5,400.00	5,012.50	5,344.82	5,016.84	37.21	32.97	121.18	158.03	-1,467.91	398.46	341.31	57.15	6.972	
5,500.00	5,092.68	5,442.04	5,098.23	38.36	33.80	110.77	193.02	-1,507.68	427.49	368.26	59.22	7.218	
5,600.00	5,162.91	5,540.12	5,170.09	39.68	34.84	103.63	236.99	-1,557.67	453.75	392.04	61.71	7.353	
5,700.00	5,221.04	5,639.28	5,230.13	41.15	36.09	98.60	289.01	-1,616.79	476.45	411.81	64.64	7.371	
5,800.00	5,265.31	5,739.52	5,276.13	42.72	37.54	95.08	347.75	-1,683.56	494.87	426.89	67.98	7.280	
5,900.00	5,294.04	5,840.40	5,306.08	44.37	39.14	93.31	411.29	-1,755.78	510.48	438.84	71.64	7.126	
6,000.00	5,305.74	5,941.32	5,318.72	46.11	40.84	91.72	477.34	-1,830.85	526.57	451.10	75.48	6.976	
6,100.00	5,306.00	6,040.42	5,319.50	47.90	42.55	91.44	542.79	-1,905.25	542.80	463.56	79.24	6.850	
6,200.00	5,306.00	6,139.09	5,319.97	49.73	44.31	91.45	607.97	-1,979.33	559.02	475.96	83.06	6.730	
6,300.00	5,306.00	6,237.77	5,320.45	51.62	46.11	91.46	673.15	-2,053.41	575.24	488.27	86.98	6.614	
6,400.00	5,306.00	6,336.44	5,320.92	53.56	47.97	91.46	738.33	-2,127.50	591.47	500.50	90.97	6.502	
6,500.00	5,306.00	6,435.12	5,321.39	55.53	49.86	91.47	803.51	-2,201.58	607.69	512.66	95.03	6.395	
6,600.00	5,306.00	6,533.79	5,321.86	57.54	51.78	91.48	868.69	-2,275.66	623.91	524.77	99.15	6.293	
6,700.00	5,306.00	6,632.47	5,322.33	59.58	53.74	91.48	933.87	-2,349.74	640.14	536.82	103.32	6.196	
6,800.00	5,306.00	6,731.15	5,322.80	61.66	55.72	91.49	999.05	-2,423.82	656.36	548.83	107.53	6.104	
6,900.00	5,306.00	6,829.82	5,323.27	63.76	57.73	91.49	1,064.23	-2,497.91	672.58	560.79	111.79	6.016	
7,000.00	5,306.00	6,928.50	5,323.74	65.88	59.76	91.50	1,129.41	-2,571.99	688.81	572.72	116.08	5.934	
7,100.00	5,306.00	7,027.17	5,324.21	68.03	61.82	91.50	1,194.59	-2,646.07	705.03	584.62	120.41	5.855	
7,200.00	5,306.00	7,125.85	5,324.68	70.20	63.89	91.50	1,259.77	-2,720.15	721.25	596.49	124.76	5.781	
7,300.00	5,306.00	7,224.52	5,325.15	72.38	65.97	91.51	1,324.95	-2,794.23	737.48	608.33	129.14	5.711	
7,400.00	5,306.00	7,323.20	5,325.62	74.58	68.07	91.51	1,390.13	-2,868.32	753.70	620.15	133.55	5.644	
7,500.00	5,306.00	7,421.87	5,326.09	76.80	70.19	91.52	1,455.31	-2,942.40	769.92	631.95	137.97	5.580	
7,600.00	5,306.00	7,520.55	5,326.57	79.03	72.32	91.52	1,520.49	-3,016.48	786.15	643.73	142.41	5.520	
7,700.00	5,306.00	7,619.22	5,327.04	81.27	74.46	91.52	1,585.67	-3,090.56	802.37	655.49	146.87	5.463	
7,800.00	5,306.00	7,717.90	5,327.51	83.53	76.60	91.53	1,650.85	-3,164.64	818.59	667.24	151.35	5.409	
7,900.00	5,306.00	7,816.57	5,327.98	85.80	78.76	91.53	1,716.03	-3,238.73	834.82	678.97	155.84	5.357	
8,000.00	5,306.00	7,915.25	5,328.45	88.07	80.93	91.53	1,781.21	-3,312.81	851.04	690.69	160.35	5.308	
8,100.00	5,306.00	8,013.92	5,328.92	90.36	83.10	91.53	1,846.39	-3,386.89	867.26	702.40	164.86	5.261	
8,200.00	5,306.00	8,112.60	5,329.39	92.65	85.29	91.54	1,911.57	-3,460.97	883.48	714.10	169.39	5.216	
8,300.00	5,306.00	8,211.27	5,329.86	94.95	87.48	91.54	1,976.75	-3,535.05	899.71	725.78	173.93	5.173	
8,400.00	5,306.00	8,309.95	5,330.33	97.26	89.67	91.54	2,041.93	-3,609.14	915.93	737.46	178.47	5.132	
8,500.00	5,306.00	8,408.62	5,330.80	99.57	91.87	91.54	2,107.12	-3,683.22	932.15	749.13	183.03	5.093	
8,600.00	5,306.00	8,507.30	5,331.27	101.90	94.08	91.55	2,172.30	-3,757.30	948.38	760.79	187.59	5.056	
8,700.00	5,306.00	8,605.97	5,331.74	104.22	96.29	91.55	2,237.48	-3,831.38	964.60	772.44	192.16	5.020	
8,800.00	5,306.00	8,704.65	5,332.21	106.56	98.51	91.55	2,302.66	-3,905.46	980.82	784.08	196.74	4.985	
8,900.00	5,306.00	8,803.33	5,332.69	108.89	100.73	91.55	2,367.84	-3,979.55	997.05	795.72	201.32	4.952	
9,000.00	5,306.00	8,902.00	5,333.16	111.24	102.95	91.56	2,433.02	-4,053.63	1,013.27	807.36	205.92	4.921	
9,100.00	5,306.00	9,000.68	5,333.63	113.58	105.18	91.56	2,498.20	-4,127.71	1,029.49	818.98	210.51	4.890	
9,200.00	5,306.00	9,099.35	5,334.10	115.93	107.42	91.56	2,563.38	-4,201.79	1,045.72	830.60	215.11	4.861	
9,300.00	5,306.00	9,198.03	5,334.57	118.29	109.65	91.56	2,628.56	-4,275.88	1,061.94	842.22	219.72	4.833	
9,400.00	5,306.00	9,296.70	5,335.04	120.65	111.89	91.56	2,693.74	-4,349.96	1,078.16	853.83	224.33	4.806	
9,500.00	5,306.00	9,395.38	5,335.51	123.01	114.13	91.57	2,758.92	-4,424.04	1,094.39	865.44	228.94	4.780	
9,600.00	5,306.00	9,494.05	5,335.98	125.37	116.38	91.57	2,824.10	-4,498.12	1,110.61	877.05	233.56	4.755	
9,700.00	5,306.00	9,592.73	5,336.45	127.74	118.62	91.57	2,889.28	-4,572.20	1,126.83	888.65	238.19	4.731	
9,800.00	5,306.00	9,691.40	5,336.92	130.11	120.87	91.57	2,954.46	-4,646.29	1,143.06	900.24	242.81	4.708	
9,900.00	5,306.00	9,790.08	5,337.39	132.49	123.13	91.57	3,019.64	-4,720.37	1,159.28	911.84	247.44	4.685	
10,000.00	5,306.00	9,888.75	5,337.86	134.86	125.38	91.57	3,084.82	-4,794.45	1,175.50	923.43	252.08	4.663	
10,100.00	5,306.00	9,987.43	5,338.33	137.24	127.64	91.58	3,150.00	-4,868.53	1,191.73	935.01	256.71	4.642	
10,200.00	5,306.00	10,086.10	5,338.81	139.62	129.90	91.58	3,215.18	-4,942.61	1,207.95	946.60	261.35	4.622	
10,300.00	5,306.00	10,184.78	5,339.28	142.01	132.16	91.58	3,280.36	-5,016.70	1,224.17	958.18	265.99	4.602	

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:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 214H - 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
10,400.00	5,306.00	10,283.45	5,339.75	144.39	134.42	91.58	3,345.54	-5,090.78	1,240.40	969.76	270.64	4.583	
10,500.00	5,306.00	10,382.13	5,340.22	146.78	136.68	91.58	3,410.72	-5,164.86	1,256.62	981.33	275.29	4.565	
10,600.00	5,306.00	10,480.80	5,340.69	149.17	138.95	91.58	3,475.90	-5,238.94	1,272.84	992.91	279.94	4.547	
10,700.00	5,306.00	10,579.48	5,341.16	151.56	141.21	91.58	3,541.08	-5,313.02	1,289.07	1,004.48	284.59	4.530	
10,800.00	5,306.00	10,678.16	5,341.63	153.96	143.48	91.59	3,606.26	-5,387.11	1,305.29	1,016.05	289.24	4.513	
10,900.00	5,306.00	10,776.83	5,342.10	156.35	145.75	91.59	3,671.44	-5,461.19	1,321.51	1,027.62	293.90	4.497	
11,000.00	5,306.00	10,875.51	5,342.57	158.75	148.02	91.59	3,736.62	-5,535.27	1,337.73	1,039.18	298.55	4.481	
11,100.00	5,306.00	10,974.18	5,343.04	161.14	150.30	91.59	3,801.80	-5,609.35	1,353.96	1,050.75	303.21	4.465	
11,200.00	5,306.00	11,072.86	5,343.51	163.54	152.57	91.59	3,866.98	-5,683.43	1,370.18	1,062.31	307.87	4.450	
11,300.00	5,306.00	11,171.53	5,343.98	165.94	154.84	91.59	3,932.16	-5,757.52	1,386.40	1,073.87	312.54	4.436	
11,400.00	5,306.00	11,270.21	5,344.45	168.35	157.12	91.59	3,997.34	-5,831.60	1,402.63	1,085.43	317.20	4.422	
11,500.00	5,306.00	11,368.88	5,344.93	170.75	159.40	91.59	4,062.52	-5,905.68	1,418.85	1,096.98	321.87	4.408	
11,600.00	5,306.00	11,467.56	5,345.40	173.15	161.67	91.59	4,127.70	-5,979.76	1,435.07	1,108.54	326.53	4.395	
11,700.00	5,306.00	11,566.23	5,345.87	175.56	163.95	91.60	4,192.88	-6,053.84	1,451.30	1,120.09	331.20	4.382	
11,800.00	5,306.00	11,664.91	5,346.34	177.97	166.23	91.60	4,258.06	-6,127.93	1,467.52	1,131.65	335.87	4.369	
11,900.00	5,306.00	11,763.58	5,346.81	180.37	168.51	91.60	4,323.24	-6,202.01	1,483.74	1,143.20	340.54	4.357	
12,000.00	5,306.00	11,862.26	5,347.28	182.78	170.79	91.60	4,388.42	-6,276.09	1,499.97	1,154.75	345.21	4.345	
12,100.00	5,306.00	11,960.93	5,347.75	185.19	173.08	91.60	4,453.60	-6,350.17	1,516.19	1,166.30	349.89	4.333	
12,200.00	5,306.00	12,059.61	5,348.22	187.60	175.36	91.60	4,518.78	-6,424.25	1,532.41	1,177.85	354.56	4.322	
12,300.00	5,306.00	12,158.28	5,348.69	190.01	177.64	91.60	4,583.96	-6,498.34	1,548.64	1,189.40	359.24	4.311	
12,400.00	5,306.00	12,256.96	5,349.16	192.43	179.93	91.60	4,649.14	-6,572.42	1,564.86	1,200.94	363.92	4.300	
12,500.00	5,306.00	12,355.63	5,349.63	194.84	182.21	91.60	4,714.32	-6,646.50	1,581.08	1,212.49	368.59	4.289	
12,600.00	5,306.00	12,454.31	5,350.10	197.25	184.50	91.60	4,779.50	-6,720.58	1,597.31	1,224.03	373.27	4.279	
12,700.00	5,306.00	12,552.99	5,350.57	199.67	186.79	91.60	4,844.68	-6,794.66	1,613.53	1,235.58	377.95	4.269	
12,800.00	5,306.00	12,651.66	5,351.05	202.08	189.07	91.61	4,909.86	-6,868.75	1,629.75	1,247.12	382.63	4.259	
12,900.00	5,306.00	12,750.34	5,351.52	204.50	191.36	91.61	4,975.04	-6,942.83	1,645.98	1,258.66	387.31	4.250	
13,000.00	5,306.00	12,849.01	5,351.99	206.92	193.65	91.61	5,040.22	-7,016.91	1,662.20	1,270.20	392.00	4.240	
13,100.00	5,306.00	12,947.69	5,352.46	209.34	195.94	91.61	5,105.40	-7,090.99	1,678.42	1,281.74	396.68	4.231	
13,200.00	5,306.00	13,046.36	5,352.93	211.75	198.23	91.61	5,170.58	-7,165.07	1,694.65	1,293.28	401.36	4.222	
13,300.00	5,306.00	13,145.04	5,353.40	214.17	200.52	91.61	5,235.76	-7,239.16	1,710.87	1,304.82	406.05	4.213	
13,400.00	5,306.00	13,243.71	5,353.87	216.59	202.81	91.61	5,300.94	-7,313.24	1,727.09	1,316.36	410.73	4.205	
13,500.00	5,306.00	13,342.39	5,354.34	219.01	205.10	91.61	5,366.12	-7,387.32	1,743.32	1,327.90	415.42	4.197	
13,600.00	5,306.00	13,441.06	5,354.81	221.43	207.39	91.61	5,431.30	-7,461.40	1,759.54	1,339.43	420.11	4.188	
13,700.00	5,306.00	13,539.74	5,355.28	223.85	209.68	91.61	5,496.48	-7,535.48	1,775.76	1,350.97	424.79	4.180	
13,800.00	5,306.00	13,638.41	5,355.75	226.28	211.98	91.61	5,561.66	-7,609.57	1,791.99	1,362.50	429.48	4.172	
13,900.00	5,306.00	13,737.09	5,356.22	228.70	214.27	91.61	5,626.84	-7,683.65	1,808.21	1,374.04	434.17	4.165	
14,000.00	5,306.00	13,835.76	5,356.69	231.12	216.56	91.61	5,692.02	-7,757.73	1,824.43	1,385.57	438.86	4.157	
14,100.00	5,306.00	13,934.44	5,357.17	233.54	218.86	91.61	5,757.20	-7,831.81	1,840.66	1,397.11	443.55	4.150	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 215H - 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	-157.61	-37.14	-15.30	40.17				
100.00	100.00	100.00	100.00	0.27	0.27	-157.61	-37.14	-15.30	40.17	39.63	0.54	74.705	
200.00	200.00	200.00	200.00	0.63	0.63	-157.61	-37.14	-15.30	40.17	38.91	1.25	32.016	
300.00	300.00	300.00	300.00	0.99	0.99	-157.61	-37.14	-15.30	40.17	38.20	1.97	20.374	
400.00	400.00	400.00	400.00	1.34	1.34	-157.61	-37.14	-15.30	40.17	37.48	2.69	14.941	
500.00	500.00	500.00	500.00	1.70	1.70	-157.61	-37.14	-15.30	40.17	36.76	3.41	11.795	
600.00	600.00	600.00	600.00	2.06	2.06	-157.61	-37.14	-15.30	40.17	36.05	4.12	9.744	
700.00	700.00	700.00	700.00	2.42	2.42	-157.61	-37.14	-15.30	40.17	35.33	4.84	8.301	
800.00	800.00	800.00	800.00	2.78	2.78	-157.61	-37.14	-15.30	40.17	34.61	5.56	7.229	
900.00	900.00	900.00	900.00	3.14	3.14	-157.61	-37.14	-15.30	40.17	33.90	6.27	6.403	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-157.61	-37.14	-15.30	40.17	33.18	6.99	5.747 CC	
1,100.00	1,099.95	1,098.80	1,098.75	3.84	3.84	-63.29	-37.72	-17.79	40.48	32.80	7.68	5.270 ES	
1,200.00	1,199.63	1,197.59	1,197.23	4.19	4.18	-64.18	-39.44	-25.25	41.41	33.06	8.36	4.955	
1,300.00	1,298.77	1,296.37	1,295.18	4.55	4.53	-65.56	-42.30	-37.66	42.99	33.94	9.05	4.752	
1,400.00	1,397.08	1,395.13	1,392.32	4.93	4.90	-67.33	-46.30	-54.98	45.23	35.46	9.77	4.630	
1,500.00	1,494.31	1,493.87	1,488.39	5.34	5.31	-69.34	-51.42	-77.17	48.16	37.61	10.54	4.568	
1,600.00	1,590.18	1,592.59	1,583.13	5.79	5.75	-71.48	-57.65	-104.16	51.79	40.40	11.40	4.545	
1,700.00	1,684.43	1,691.28	1,676.29	6.30	6.24	-73.62	-64.97	-135.88	56.15	43.79	12.36	4.543	
1,800.00	1,776.81	1,789.94	1,767.61	6.88	6.81	-75.68	-73.36	-172.22	61.23	47.77	13.46	4.549	
1,900.00	1,867.20	1,888.57	1,856.86	7.53	7.44	-77.40	-82.80	-213.10	67.11	52.40	14.71	4.561	
2,000.00	1,957.13	1,988.13	1,945.47	8.24	8.15	-77.28	-93.01	-257.33	73.95	57.89	16.06	4.604	
2,100.00	2,047.06	2,087.89	2,034.23	8.97	8.90	-77.14	-103.25	-301.71	80.81	63.33	17.48	4.623	
2,200.00	2,137.00	2,187.65	2,122.99	9.74	9.68	-77.01	-113.50	-346.09	87.68	68.72	18.95	4.626	
2,300.00	2,226.93	2,287.42	2,211.75	10.52	10.48	-76.91	-123.74	-390.47	94.54	74.08	20.46	4.620	
2,400.00	2,316.86	2,387.18	2,300.50	11.31	11.30	-76.82	-133.99	-434.85	101.40	79.40	22.00	4.609	
2,500.00	2,406.79	2,486.95	2,389.26	12.12	12.13	-76.74	-144.23	-479.23	108.27	84.70	23.56	4.595	
2,600.00	2,496.72	2,586.71	2,478.02	12.94	12.98	-76.67	-154.48	-523.61	115.13	89.99	25.15	4.578	
2,700.00	2,586.65	2,686.47	2,566.78	13.77	13.83	-76.60	-164.72	-567.99	122.00	95.25	26.75	4.561	
2,800.00	2,676.58	2,786.24	2,655.54	14.60	14.69	-76.55	-174.96	-612.38	128.86	100.50	28.36	4.544	
2,900.00	2,766.51	2,886.00	2,744.30	15.44	15.56	-76.50	-185.21	-656.76	135.73	105.75	29.98	4.527	
3,000.00	2,856.44	2,985.77	2,833.06	16.28	16.43	-76.45	-195.45	-701.14	142.59	110.98	31.62	4.510	
3,100.00	2,946.37	3,085.53	2,921.82	17.13	17.31	-76.41	-205.70	-745.52	149.46	116.20	33.26	4.494	
3,200.00	3,036.30	3,185.29	3,010.58	17.98	18.19	-76.38	-215.94	-789.90	156.33	121.42	34.91	4.479	
3,300.00	3,126.23	3,285.06	3,099.34	18.84	19.07	-76.34	-226.19	-834.28	163.19	126.63	36.56	4.464	
3,400.00	3,216.16	3,384.82	3,188.10	19.70	19.96	-76.31	-236.43	-878.66	170.06	131.84	38.22	4.450	
3,500.00	3,306.09	3,484.59	3,276.86	20.56	20.85	-76.28	-246.68	-923.04	176.92	137.04	39.88	4.436	
3,600.00	3,396.02	3,584.35	3,365.62	21.42	21.74	-76.25	-256.92	-967.42	183.79	142.24	41.55	4.423	
3,700.00	3,485.95	3,684.11	3,454.38	22.28	22.63	-76.23	-267.16	-1,011.81	190.65	147.43	43.22	4.411	
3,800.00	3,575.88	3,783.88	3,543.14	23.15	23.53	-76.21	-277.41	-1,056.19	197.52	152.62	44.90	4.400	
3,900.00	3,665.81	3,883.64	3,631.89	24.02	24.43	-76.18	-287.65	-1,100.57	204.39	157.81	46.57	4.389	
4,000.00	3,755.74	3,983.41	3,720.65	24.89	25.32	-76.16	-297.90	-1,144.95	211.25	163.00	48.25	4.378	
4,100.00	3,845.67	4,083.17	3,809.41	25.75	26.22	-76.14	-308.14	-1,189.33	218.12	168.18	49.93	4.368	
4,200.00	3,935.60	4,182.93	3,898.17	26.63	27.12	-76.13	-318.39	-1,233.71	224.98	173.37	51.62	4.359	
4,300.00	4,025.53	4,282.70	3,986.93	27.50	28.03	-76.11	-328.63	-1,278.09	231.85	178.55	53.30	4.350	
4,400.00	4,115.46	4,382.46	4,075.69	28.37	28.93	-76.09	-338.88	-1,322.47	238.71	183.73	54.99	4.341	
4,500.00	4,205.39	4,482.23	4,164.45	29.24	29.83	-76.08	-349.12	-1,366.86	245.58	188.90	56.68	4.333	
4,600.00	4,295.32	4,581.99	4,253.21	30.12	30.74	-76.07	-359.36	-1,411.24	252.45	194.08	58.37	4.325	
4,700.00	4,385.25	4,681.75	4,341.97	30.99	31.64	-76.05	-369.61	-1,455.62	259.31	199.25	60.06	4.318	
4,800.00	4,475.18	4,781.52	4,430.73	31.87	32.55	-76.04	-379.85	-1,500.00	266.18	204.43	61.75	4.311	
4,900.00	4,565.11	4,881.28	4,519.49	32.74	33.45	-76.03	-390.10	-1,544.38	273.04	209.60	63.44	4.304	
5,000.00	4,655.04	4,981.05	4,608.25	33.62	34.36	-76.02	-400.34	-1,588.76	279.91	214.77	65.14	4.297	
5,100.00	4,744.97	5,080.81	4,697.01	34.49	35.26	-76.01	-410.59	-1,633.14	286.78	219.94	66.83	4.291	

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

Anticollision Report

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Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 215H - 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
5,200.00	4,834.90	5,180.57	4,785.77	35.37	36.17	-76.00	-420.83	-1,677.52	293.64	225.11	68.53	4.285	
5,300.00	4,924.83	5,280.34	4,874.53	36.25	37.08	-75.99	-431.08	-1,721.90	300.51	230.28	70.23	4.279	
5,400.00	5,012.50	5,389.27	4,970.92	37.21	38.09	-86.49	-441.39	-1,771.52	310.43	237.99	72.44	4.285	
5,500.00	5,092.68	5,519.63	5,076.96	38.36	39.58	-93.48	-440.94	-1,846.87	322.31	247.63	74.69	4.315	
5,600.00	5,162.91	5,651.63	5,167.25	39.68	41.39	-96.33	-423.44	-1,941.15	333.64	257.46	76.18	4.380	
5,700.00	5,221.04	5,783.22	5,235.43	41.15	43.46	-96.36	-389.84	-2,048.20	344.23	266.95	77.28	4.454	
5,800.00	5,265.31	5,896.38	5,273.71	42.72	45.36	-94.75	-350.28	-2,146.87	355.51	275.75	79.76	4.457	
5,900.00	5,294.04	5,994.59	5,289.59	44.37	47.12	-91.29	-313.47	-2,236.39	371.40	287.72	83.68	4.438	
6,000.00	5,305.74	6,092.02	5,291.08	46.11	48.90	-88.10	-276.43	-2,326.46	388.28	300.47	87.81	4.422	
6,100.00	5,306.00	6,190.60	5,290.68	47.90	50.76	-87.80	-238.94	-2,417.63	405.07	313.19	91.88	4.409	
6,200.00	5,306.00	6,289.18	5,290.29	49.73	52.67	-87.83	-201.45	-2,508.80	421.84	325.81	96.03	4.393	
6,300.00	5,306.00	6,387.76	5,289.89	51.62	54.62	-87.87	-163.95	-2,599.98	438.62	338.36	100.26	4.375	
6,400.00	5,306.00	6,486.35	5,289.50	53.56	56.62	-87.89	-126.46	-2,691.15	455.40	350.88	104.52	4.357	
6,500.00	5,306.00	6,584.93	5,289.11	55.53	58.65	-87.92	-88.96	-2,782.32	472.17	363.32	108.85	4.338	
6,600.00	5,306.00	6,683.51	5,288.71	57.54	60.72	-87.94	-51.47	-2,873.50	488.95	375.70	113.25	4.317	
6,700.00	5,306.00	6,782.09	5,288.32	59.58	62.82	-87.97	-13.98	-2,964.67	505.72	388.05	117.68	4.298	
6,800.00	5,306.00	6,880.68	5,287.93	61.66	64.95	-87.99	23.52	-3,055.84	522.50	400.36	122.14	4.278	
6,900.00	5,306.00	6,979.26	5,287.53	63.76	67.10	-88.01	61.01	-3,147.02	539.28	412.64	126.64	4.258	
7,000.00	5,306.00	7,077.84	5,287.14	65.88	69.27	-88.03	98.50	-3,238.19	556.05	424.89	131.17	4.239	
7,100.00	5,306.00	7,176.42	5,286.75	68.03	71.47	-88.05	136.00	-3,329.36	572.83	437.11	135.72	4.221	
7,200.00	5,306.00	7,275.01	5,286.35	70.20	73.68	-88.06	173.49	-3,420.54	589.61	449.31	140.30	4.203	
7,300.00	5,306.00	7,373.59	5,285.96	72.38	75.91	-88.08	210.98	-3,511.71	606.38	461.49	144.90	4.185	
7,400.00	5,306.00	7,472.17	5,285.57	74.58	78.16	-88.09	248.48	-3,602.88	623.16	473.65	149.51	4.168	
7,500.00	5,306.00	7,570.75	5,285.17	76.80	80.42	-88.11	285.97	-3,694.06	639.94	485.79	154.15	4.151	
7,600.00	5,306.00	7,669.34	5,284.78	79.03	82.69	-88.12	323.46	-3,785.23	656.72	497.92	158.80	4.136	
7,700.00	5,306.00	7,767.92	5,284.39	81.27	84.98	-88.13	360.96	-3,876.40	673.49	510.03	163.46	4.120	
7,800.00	5,306.00	7,866.50	5,283.99	83.53	87.28	-88.15	398.45	-3,967.58	690.27	522.13	168.14	4.105	
7,900.00	5,306.00	7,965.08	5,283.60	85.80	89.58	-88.16	435.94	-4,058.75	707.05	534.22	172.83	4.091	
8,000.00	5,306.00	8,063.67	5,283.21	88.07	91.90	-88.17	473.44	-4,149.92	723.82	546.29	177.53	4.077	
8,100.00	5,306.00	8,162.25	5,282.81	90.36	94.23	-88.18	510.93	-4,241.10	740.60	558.36	182.24	4.064	
8,200.00	5,306.00	8,260.83	5,282.42	92.65	96.56	-88.19	548.43	-4,332.27	757.38	570.42	186.96	4.051	
8,300.00	5,306.00	8,359.41	5,282.03	94.95	98.90	-88.20	585.92	-4,423.44	774.15	582.47	191.69	4.039	
8,400.00	5,306.00	8,458.00	5,281.63	97.26	101.25	-88.21	623.41	-4,514.62	790.93	594.51	196.42	4.027	
8,500.00	5,306.00	8,556.58	5,281.24	99.57	103.60	-88.22	660.91	-4,605.79	807.71	606.54	201.17	4.015	
8,600.00	5,306.00	8,655.16	5,280.85	101.90	105.96	-88.23	698.40	-4,696.97	824.49	618.57	205.92	4.004	
8,700.00	5,306.00	8,753.74	5,280.45	104.22	108.33	-88.23	735.89	-4,788.14	841.26	630.59	210.68	3.993	
8,800.00	5,306.00	8,852.33	5,280.06	106.56	110.70	-88.24	773.39	-4,879.31	858.04	642.60	215.44	3.983	
8,900.00	5,306.00	8,950.91	5,279.66	108.89	113.08	-88.25	810.88	-4,970.49	874.82	654.61	220.21	3.973	
9,000.00	5,306.00	9,049.49	5,279.27	111.24	115.46	-88.26	848.37	-5,061.66	891.60	666.61	224.98	3.963	
9,100.00	5,306.00	9,148.08	5,278.88	113.58	117.84	-88.26	885.87	-5,152.83	908.37	678.61	229.76	3.954	
9,200.00	5,306.00	9,246.66	5,278.48	115.93	120.23	-88.27	923.36	-5,244.01	925.15	690.61	234.54	3.944	
9,300.00	5,306.00	9,345.24	5,278.09	118.29	122.63	-88.28	960.85	-5,335.18	941.93	702.60	239.33	3.936	
9,400.00	5,306.00	9,443.82	5,277.70	120.65	125.02	-88.28	998.35	-5,426.35	958.70	714.58	244.12	3.927	
9,500.00	5,306.00	9,542.41	5,277.30	123.01	127.42	-88.29	1,035.84	-5,517.53	975.48	726.57	248.92	3.919	
9,600.00	5,306.00	9,640.99	5,276.91	125.37	129.83	-88.30	1,073.33	-5,608.70	992.26	738.54	253.72	3.911	
9,700.00	5,306.00	9,739.57	5,276.52	127.74	132.23	-88.30	1,110.83	-5,699.87	1,009.04	750.52	258.52	3.903	
9,800.00	5,306.00	9,838.15	5,276.12	130.11	134.64	-88.31	1,148.32	-5,791.05	1,025.81	762.49	263.32	3.896	
9,900.00	5,306.00	9,936.74	5,275.73	132.49	137.05	-88.31	1,185.82	-5,882.22	1,042.59	774.46	268.13	3.888	
10,000.00	5,306.00	10,035.32	5,275.34	134.86	139.47	-88.32	1,223.31	-5,973.39	1,059.37	786.43	272.94	3.881	
10,100.00	5,306.00	10,133.90	5,274.94	137.24	141.88	-88.32	1,260.80	-6,064.57	1,076.15	798.39	277.75	3.874	
10,200.00	5,306.00	10,232.48	5,274.55	139.62	144.30	-88.33	1,298.30	-6,155.74	1,092.92	810.35	282.57	3.868	
10,300.00	5,306.00	10,331.07	5,274.16	142.01	146.72	-88.33	1,335.79	-6,246.91	1,109.70	822.31	287.39	3.861	

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

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Offset Site Error: 0.00 ft

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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
10,400.00	5,306.00	10,429.65	5,273.76	144.39	149.15	-88.34	1,373.28	-6,338.09	1,126.48	834.27	292.21	3.855	
10,500.00	5,306.00	10,528.23	5,273.37	146.78	151.57	-88.34	1,410.78	-6,429.26	1,143.26	846.23	297.03	3.849	
10,600.00	5,306.00	10,626.81	5,272.98	149.17	154.00	-88.35	1,448.27	-6,520.43	1,160.03	858.18	301.86	3.843	
10,700.00	5,306.00	10,725.40	5,272.58	151.56	156.43	-88.35	1,485.76	-6,611.61	1,176.81	870.13	306.68	3.837	
10,800.00	5,306.00	10,823.98	5,272.19	153.96	158.86	-88.35	1,523.26	-6,702.78	1,193.59	882.08	311.51	3.832	
10,900.00	5,306.00	10,922.56	5,271.80	156.35	161.29	-88.36	1,560.75	-6,793.95	1,210.36	894.02	316.34	3.826	
11,000.00	5,306.00	11,021.14	5,271.40	158.75	163.73	-88.36	1,598.24	-6,885.13	1,227.14	905.97	321.17	3.821	
11,100.00	5,306.00	11,119.73	5,271.01	161.14	166.16	-88.36	1,635.74	-6,976.30	1,243.92	917.91	326.01	3.816	
11,200.00	5,306.00	11,218.31	5,270.62	163.54	168.60	-88.37	1,673.23	-7,067.47	1,260.70	929.86	330.84	3.811	
11,300.00	5,306.00	11,316.89	5,270.22	165.94	171.04	-88.37	1,710.72	-7,158.65	1,277.47	941.80	335.68	3.806	
11,400.00	5,306.00	11,415.47	5,269.83	168.35	173.48	-88.38	1,748.22	-7,249.82	1,294.25	953.74	340.52	3.801	
11,500.00	5,306.00	11,514.06	5,269.43	170.75	175.92	-88.38	1,785.71	-7,340.99	1,311.03	965.68	345.35	3.796	
11,600.00	5,306.00	11,612.64	5,269.04	173.15	178.36	-88.38	1,823.20	-7,432.17	1,327.81	977.61	350.19	3.792	
11,700.00	5,306.00	11,711.22	5,268.65	175.56	180.80	-88.39	1,860.70	-7,523.34	1,344.58	989.55	355.04	3.787	
11,800.00	5,306.00	11,809.80	5,268.25	177.97	183.25	-88.39	1,898.19	-7,614.51	1,361.36	1,001.48	359.88	3.783	
11,900.00	5,306.00	11,908.39	5,267.86	180.37	185.69	-88.39	1,935.69	-7,705.69	1,378.14	1,013.42	364.72	3.779	
12,000.00	5,306.00	12,006.97	5,267.47	182.78	188.14	-88.39	1,973.18	-7,796.86	1,394.92	1,025.35	369.57	3.774	
12,100.00	5,306.00	12,105.55	5,267.07	185.19	190.58	-88.40	2,010.67	-7,888.03	1,411.69	1,037.28	374.41	3.770	
12,200.00	5,306.00	12,204.13	5,266.68	187.60	193.03	-88.40	2,048.17	-7,979.21	1,428.47	1,049.21	379.26	3.766	
12,300.00	5,306.00	12,302.72	5,266.29	190.01	195.48	-88.40	2,085.66	-8,070.38	1,445.25	1,061.14	384.11	3.763	
12,400.00	5,306.00	12,401.30	5,265.89	192.43	197.93	-88.41	2,123.15	-8,161.56	1,462.03	1,073.07	388.96	3.759	
12,500.00	5,306.00	12,499.88	5,265.50	194.84	200.38	-88.41	2,160.65	-8,252.73	1,478.80	1,085.00	393.81	3.755	
12,600.00	5,306.00	12,598.46	5,265.11	197.25	202.83	-88.41	2,198.14	-8,343.90	1,495.58	1,096.92	398.66	3.752	
12,700.00	5,306.00	12,697.05	5,264.71	199.67	205.28	-88.41	2,235.63	-8,435.08	1,512.36	1,108.85	403.51	3.748	
12,800.00	5,306.00	12,795.63	5,264.32	202.08	207.74	-88.42	2,273.13	-8,526.25	1,529.14	1,120.77	408.37	3.745	
12,900.00	5,306.00	12,894.21	5,263.93	204.50	210.19	-88.42	2,310.62	-8,617.42	1,545.91	1,132.70	413.22	3.741	
13,000.00	5,306.00	12,992.79	5,263.53	206.92	212.65	-88.42	2,348.11	-8,708.60	1,562.69	1,144.62	418.07	3.738	
13,100.00	5,306.00	13,091.38	5,263.14	209.34	215.10	-88.42	2,385.61	-8,799.77	1,579.47	1,156.54	422.93	3.735	
13,200.00	5,306.00	13,189.96	5,262.75	211.75	217.56	-88.42	2,423.10	-8,890.94	1,596.25	1,168.47	427.78	3.731	
13,300.00	5,306.00	13,288.54	5,262.35	214.17	220.01	-88.43	2,460.59	-8,982.12	1,613.02	1,180.39	432.64	3.728	
13,400.00	5,306.00	13,387.12	5,261.96	216.59	222.47	-88.43	2,498.09	-9,073.29	1,629.80	1,192.31	437.49	3.725	
13,500.00	5,306.00	13,485.71	5,261.57	219.01	224.93	-88.43	2,535.58	-9,164.46	1,646.58	1,204.23	442.35	3.722	
13,600.00	5,306.00	13,584.29	5,261.17	221.43	227.38	-88.43	2,573.08	-9,255.64	1,663.36	1,216.15	447.21	3.719	
13,700.00	5,306.00	13,682.87	5,260.78	223.85	229.84	-88.44	2,610.57	-9,346.81	1,680.13	1,228.07	452.07	3.717	
13,800.00	5,306.00	13,781.45	5,260.38	226.28	232.30	-88.44	2,648.06	-9,437.98	1,696.91	1,239.98	456.93	3.714	
13,900.00	5,306.00	13,880.04	5,259.99	228.70	234.76	-88.44	2,685.56	-9,529.16	1,713.69	1,251.90	461.79	3.711	
14,000.00	5,306.00	13,978.62	5,259.60	231.12	237.22	-88.44	2,723.05	-9,620.33	1,730.47	1,263.82	466.65	3.708	
14,100.00	5,306.00	14,077.20	5,259.20	233.54	239.68	-88.44	2,760.54	-9,711.50	1,747.24	1,275.74	471.51	3.706	
14,200.00	5,306.00	14,175.78	5,258.81	235.97	242.14	-88.45	2,798.04	-9,802.68	1,764.02	1,287.65	476.37	3.703	
14,300.00	5,306.00	14,274.37	5,258.42	238.39	244.61	-88.45	2,835.53	-9,893.85	1,780.80	1,299.57	481.23	3.701	
14,400.00	5,306.00	14,372.95	5,258.02	240.82	247.07	-88.45	2,873.02	-9,985.02	1,797.58	1,311.49	486.09	3.698	
14,500.00	5,306.00	14,471.53	5,257.63	243.24	249.53	-88.45	2,910.52	-10,076.20	1,814.35	1,323.40	490.95	3.696	
14,600.00	5,306.00	14,570.11	5,257.24	245.67	251.99	-88.45	2,948.01	-10,167.37	1,831.13	1,335.32	495.82	3.693	
14,700.00	5,306.00	14,668.70	5,256.84	248.09	254.46	-88.45	2,985.50	-10,258.54	1,847.91	1,347.23	500.68	3.691 SF	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - 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	-157.71	-73.92	-30.31	79.89				
100.00	100.00	100.00	100.00	0.27	0.27	-157.71	-73.92	-30.31	79.89	79.35	0.54	148.574	
200.00	200.00	200.00	200.00	0.63	0.63	-157.71	-73.92	-30.31	79.89	78.63	1.25	63.675	
300.00	300.00	300.00	300.00	0.99	0.99	-157.71	-73.92	-30.31	79.89	77.92	1.97	40.520	
400.00	400.00	400.00	400.00	1.34	1.34	-157.71	-73.92	-30.31	79.89	77.20	2.69	29.715	
500.00	500.00	500.00	500.00	1.70	1.70	-157.71	-73.92	-30.31	79.89	76.48	3.41	23.459	
600.00	600.00	600.00	600.00	2.06	2.06	-157.71	-73.92	-30.31	79.89	75.77	4.12	19.379	
700.00	700.00	700.00	700.00	2.42	2.42	-157.71	-73.92	-30.31	79.89	75.05	4.84	16.508	
800.00	800.00	800.00	800.00	2.78	2.78	-157.71	-73.92	-30.31	79.89	74.33	5.56	14.378	
900.00	900.00	900.00	900.00	3.14	3.14	-157.71	-73.92	-30.31	79.89	73.62	6.27	12.735	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-157.71	-73.92	-30.31	79.89	72.90	6.99	11.429	
1,100.00	1,099.95	1,099.95	1,099.95	3.84	3.85	-64.81	-73.92	-30.31	78.74	71.04	7.70	10.228	
1,200.00	1,199.63	1,199.63	1,199.63	4.19	4.21	-70.26	-73.92	-30.31	75.73	67.33	8.40	9.013	
1,300.00	1,298.77	1,298.77	1,298.77	4.55	4.57	-80.05	-73.92	-30.31	72.35	63.23	9.12	7.936	
1,372.26	1,369.91	1,369.91	1,369.91	4.82	4.82	-90.00	-73.92	-30.31	71.24	61.59	9.65	7.385 CC, ES	
1,400.00	1,397.08	1,397.08	1,397.08	4.93	4.92	-94.37	-73.92	-30.31	71.45	61.60	9.85	7.256 SF	
1,500.00	1,494.31	1,494.31	1,494.31	5.34	5.27	-111.41	-73.92	-30.31	76.88	66.28	10.59	7.257	
1,600.00	1,590.18	1,592.00	1,591.96	5.79	5.62	-128.95	-71.85	-29.51	90.52	79.19	11.33	7.989	
1,700.00	1,684.43	1,686.25	1,685.96	6.30	5.96	-144.65	-65.46	-27.03	113.73	101.71	12.02	9.461	
1,800.00	1,776.81	1,776.04	1,775.08	6.88	6.28	-156.91	-55.35	-23.11	147.59	134.92	12.67	11.652	
1,900.00	1,867.20	1,860.83	1,858.69	7.53	6.59	-166.08	-42.23	-18.03	191.05	177.78	13.28	14.389	
2,000.00	1,957.13	1,945.27	1,941.57	8.24	6.90	-172.80	-27.16	-12.20	239.19	225.30	13.88	17.227	
2,100.00	2,047.06	2,029.89	2,024.62	8.97	7.23	-177.36	-12.04	-6.34	289.14	274.62	14.52	19.917	
2,200.00	2,137.00	2,114.51	2,107.67	9.74	7.56	179.39	3.08	-0.49	340.11	324.93	15.17	22.416	
2,300.00	2,226.93	2,199.13	2,190.73	10.52	7.90	176.97	18.19	5.37	391.69	375.84	15.85	24.720	
2,400.00	2,316.86	2,283.75	2,273.78	11.31	8.25	175.11	33.31	11.22	443.68	427.14	16.53	26.833	
2,500.00	2,406.79	2,368.37	2,356.83	12.12	8.59	173.63	48.43	17.07	495.94	478.70	17.24	28.773	
2,600.00	2,496.72	2,452.99	2,439.88	12.94	8.95	172.43	63.54	22.93	548.40	530.45	17.95	30.552	
2,700.00	2,586.65	2,537.61	2,522.94	13.77	9.30	171.44	78.66	28.78	601.00	582.33	18.67	32.188	
2,800.00	2,676.58	2,622.23	2,605.99	14.60	9.66	170.60	93.77	34.63	653.72	634.32	19.40	33.693	
2,900.00	2,766.51	2,706.85	2,689.04	15.44	10.02	169.89	108.89	40.49	706.52	686.38	20.14	35.080	
3,000.00	2,856.44	2,791.47	2,772.09	16.28	10.39	169.28	124.01	46.34	759.39	738.51	20.88	36.361	
3,100.00	2,946.37	2,876.09	2,855.15	17.13	10.75	168.75	139.12	52.20	812.32	790.68	21.63	37.547	
3,200.00	3,036.30	2,960.71	2,938.20	17.98	11.12	168.28	154.24	58.05	865.28	842.89	22.39	38.647	
3,300.00	3,126.23	3,045.33	3,021.25	18.84	11.49	167.87	169.35	63.90	918.29	895.14	23.15	39.668	
3,400.00	3,216.16	3,129.95	3,104.30	19.70	11.87	167.50	184.47	69.76	971.33	947.41	23.91	40.619	
3,500.00	3,306.09	3,214.57	3,187.36	20.56	12.24	167.17	199.59	75.61	1,024.39	999.71	24.68	41.507	
3,600.00	3,396.02	3,299.19	3,270.41	21.42	12.62	166.87	214.70	81.46	1,077.47	1,052.02	25.45	42.336	
3,700.00	3,485.95	3,383.81	3,353.46	22.28	12.99	166.60	229.82	87.32	1,130.58	1,104.35	26.22	43.111	
3,800.00	3,575.88	3,468.43	3,436.51	23.15	13.37	166.35	244.93	93.17	1,183.70	1,156.70	27.00	43.838	
3,900.00	3,665.81	3,553.05	3,519.57	24.02	13.75	166.13	260.05	99.03	1,236.83	1,209.05	27.78	44.521	
4,000.00	3,755.74	3,637.66	3,602.62	24.89	14.13	165.92	275.17	104.88	1,289.98	1,261.42	28.56	45.164	
4,100.00	3,845.67	3,722.28	3,685.67	25.75	14.51	165.73	290.28	110.73	1,343.14	1,313.79	29.35	45.769	
4,200.00	3,935.60	3,806.90	3,768.72	26.63	14.89	165.55	305.40	116.59	1,396.30	1,366.17	30.13	46.340	
4,300.00	4,025.53	3,891.52	3,851.78	27.50	15.27	165.39	320.52	122.44	1,449.48	1,418.56	30.92	46.879	
4,400.00	4,115.46	3,976.14	3,934.83	28.37	15.66	165.24	335.63	128.29	1,502.67	1,470.96	31.71	47.389	
4,500.00	4,205.39	4,060.76	4,017.88	29.24	16.04	165.10	350.75	134.15	1,555.86	1,523.36	32.50	47.872	
4,600.00	4,295.32	4,145.38	4,100.93	30.12	16.42	164.97	365.86	140.00	1,609.06	1,575.76	33.29	48.331	
4,700.00	4,385.25	4,291.97	4,245.38	30.99	17.06	164.86	388.99	148.96	1,661.31	1,626.67	34.64	47.961	
4,800.00	4,475.18	4,490.53	4,443.19	31.87	17.81	165.24	404.10	154.81	1,708.48	1,672.26	36.22	47.168	
4,900.00	4,565.11	4,612.46	4,565.11	32.74	18.20	165.71	404.89	155.11	1,751.32	1,714.18	37.14	47.160	
5,000.00	4,655.04	4,702.39	4,655.04	33.62	18.49	166.05	404.89	155.11	1,793.97	1,756.13	37.85	47.400	

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:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - 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)	Rule Assigned: Minimum Separation (ft)	Rule Assigned: Separation Factor	Warning
5,100.00	4,744.97	4,792.32	4,744.97	34.49	18.77	166.38	404.89	155.11	1,836.68	1,798.12	38.56	47.630	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 218H - 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	-157.87	-55.71	-22.66	60.14				
100.00	100.00	100.00	100.00	0.27	0.27	-157.87	-55.71	-22.66	60.14	59.60	0.54	111.849	
200.00	200.00	200.00	200.00	0.63	0.63	-157.87	-55.71	-22.66	60.14	58.89	1.25	47.935	
300.00	300.00	300.00	300.00	0.99	0.99	-157.87	-55.71	-22.66	60.14	58.17	1.97	30.504	
400.00	400.00	400.00	400.00	1.34	1.34	-157.87	-55.71	-22.66	60.14	57.45	2.69	22.370	
500.00	500.00	500.00	500.00	1.70	1.70	-157.87	-55.71	-22.66	60.14	56.74	3.41	17.660	
600.00	600.00	600.96	600.91	2.06	2.06	-160.30	-55.84	-19.99	59.32	55.20	4.12	14.405	
700.00	700.00	701.35	700.98	2.42	2.41	-167.89	-56.23	-12.06	57.52	52.69	4.83	11.910	
774.85	774.85	775.81	774.85	2.69	2.69	-177.17	-56.69	-2.80	56.76	51.39	5.37	10.563	CC
800.00	800.00	800.65	799.41	2.78	2.78	179.06	-56.88	0.93	56.89	51.33	5.56	10.239	ES
900.00	900.00	898.33	895.45	3.14	3.17	162.07	-57.75	18.68	60.87	54.58	6.29	9.684	SF
1,000.00	1,000.00	993.94	988.46	3.50	3.59	145.27	-58.84	40.79	72.52	65.54	6.98	10.393	
1,100.00	1,099.95	1,086.29	1,077.13	3.84	4.05	-133.89	-60.11	66.52	94.28	86.68	7.60	12.408	
1,200.00	1,199.63	1,173.72	1,159.84	4.19	4.53	-144.11	-61.51	94.81	127.82	119.66	8.16	15.660	
1,300.00	1,298.77	1,255.32	1,235.79	4.55	5.03	-150.93	-62.98	124.59	172.07	163.38	8.69	19.794	
1,400.00	1,397.08	1,330.47	1,304.54	4.93	5.54	-155.38	-64.48	154.86	225.60	216.40	9.19	24.536	
1,500.00	1,494.31	1,400.00	1,367.06	5.34	6.05	-158.34	-65.98	185.25	287.12	277.45	9.68	29.672	
1,600.00	1,590.18	1,460.15	1,420.21	5.79	6.55	-160.14	-67.36	213.37	355.57	345.49	10.09	35.243	
1,700.00	1,684.43	1,514.60	1,467.54	6.30	7.02	-161.27	-68.69	240.24	430.02	419.54	10.48	41.034	
1,800.00	1,776.81	1,564.25	1,510.03	6.88	7.47	-161.92	-69.96	265.90	509.60	498.74	10.86	46.936	
1,900.00	1,867.20	1,618.95	1,556.59	7.53	7.99	-162.98	-71.37	294.57	592.64	581.30	11.34	52.252	
2,000.00	1,957.13	1,672.74	1,602.39	8.24	8.51	-164.49	-72.76	322.77	676.43	664.63	11.80	57.309	
2,100.00	2,047.06	1,726.54	1,648.18	8.97	9.04	-165.68	-74.16	350.96	760.33	748.06	12.27	61.948	
2,200.00	2,137.00	1,780.34	1,693.97	9.74	9.58	-166.63	-75.55	379.16	844.31	831.56	12.75	66.214	
2,300.00	2,226.93	1,834.13	1,739.77	10.52	10.12	-167.42	-76.94	407.36	928.34	915.11	13.24	70.139	
2,400.00	2,316.86	1,887.93	1,785.56	11.31	10.66	-168.08	-78.33	435.55	1,012.42	998.70	13.73	73.760	
2,500.00	2,406.79	1,941.73	1,831.36	12.12	11.21	-168.63	-79.72	463.75	1,096.54	1,082.32	14.22	77.106	
2,600.00	2,496.72	1,995.52	1,877.15	12.94	11.77	-169.11	-81.12	491.95	1,180.68	1,165.96	14.72	80.204	
2,700.00	2,586.65	2,049.32	1,922.94	13.77	12.32	-169.52	-82.51	520.14	1,264.84	1,249.61	15.23	83.073	
2,800.00	2,676.58	2,103.11	1,968.74	14.60	12.88	-169.89	-83.90	548.34	1,349.01	1,333.28	15.73	85.740	
2,900.00	2,766.51	2,156.91	2,014.53	15.44	13.44	-170.21	-85.29	576.54	1,433.21	1,416.96	16.25	88.217	
3,000.00	2,856.44	2,210.71	2,060.32	16.28	14.00	-170.49	-86.68	604.73	1,517.41	1,500.65	16.76	90.527	
3,100.00	2,946.37	2,264.50	2,106.12	17.13	14.56	-170.75	-88.08	632.93	1,601.62	1,584.34	17.28	92.681	
3,200.00	3,036.30	2,318.30	2,151.91	17.98	15.13	-170.98	-89.47	661.13	1,685.84	1,668.04	17.80	94.695	
3,300.00	3,126.23	2,372.09	2,197.70	18.84	15.69	-171.19	-90.86	689.32	1,770.07	1,751.74	18.33	96.579	

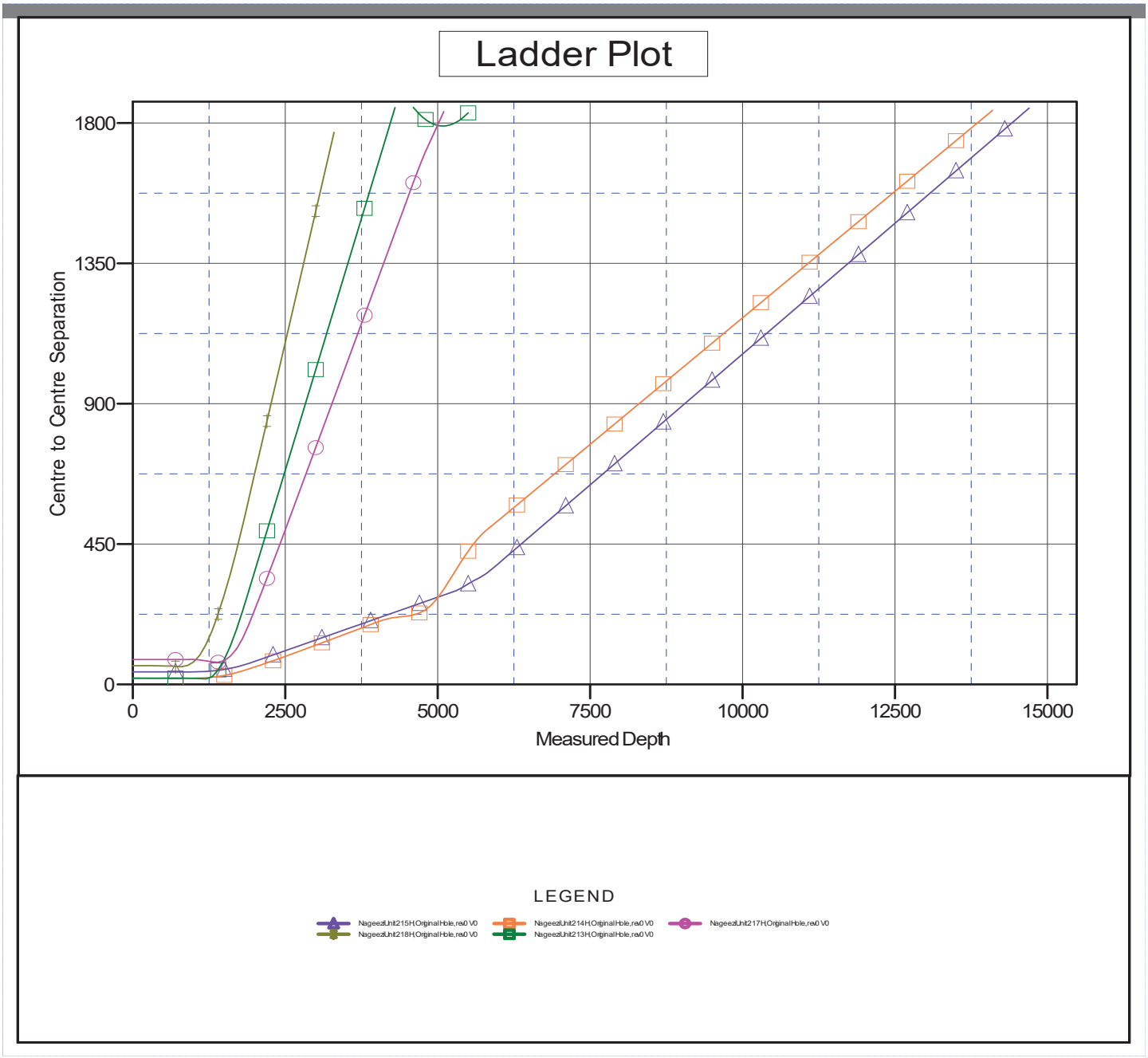
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6826+25 @ 6851.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: Nageezi Unit 216H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.04°



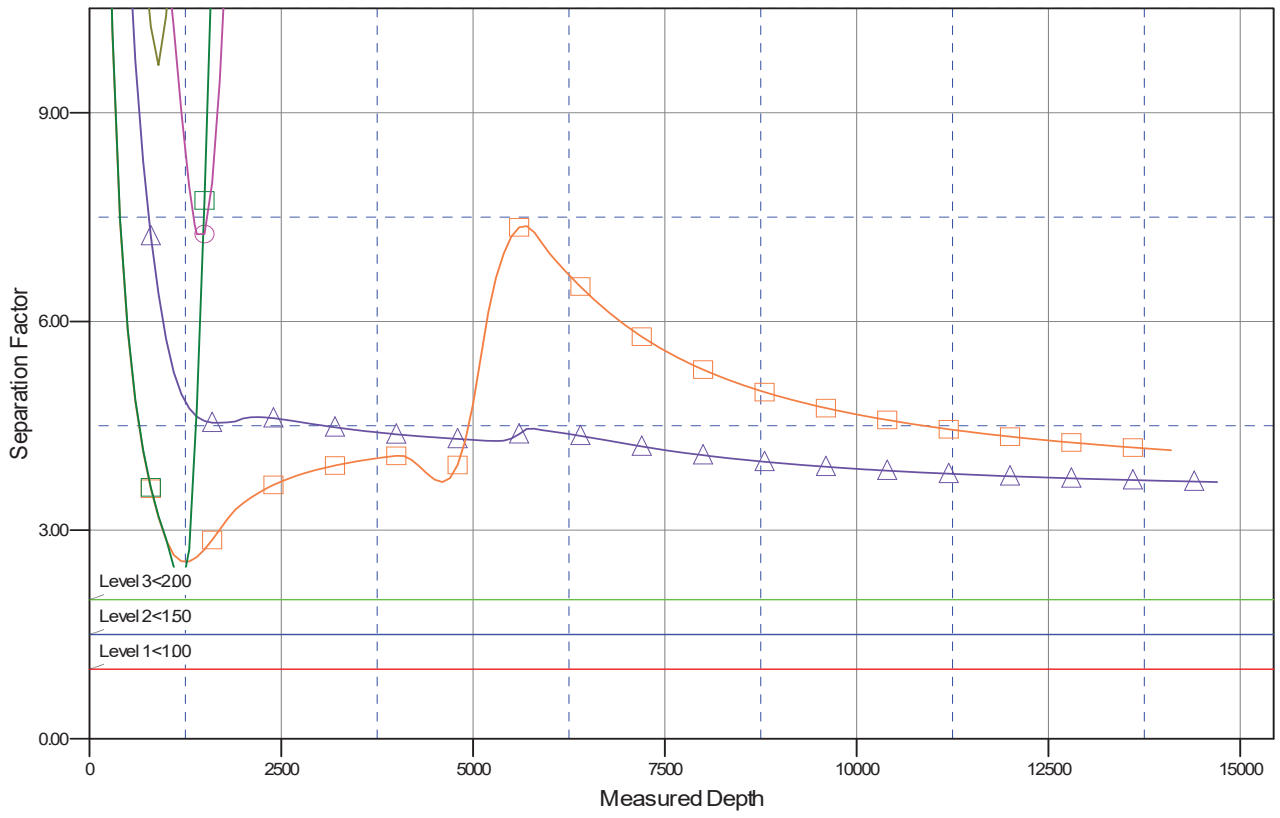
Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 216H
Project:	San Juan County, New Mexico NAD83 NM W	**TVD Reference:**	RKB=6826+25 @ 6851.00ft
Reference Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	**MD Reference:**	RKB=6826+25 @ 6851.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	Nageezi Unit 216H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Jan1924v17
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6826+25 @ 6851.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: Nageezi Unit 216H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.04°

Separation Factor Plot



LEGEND

NageeziUnit215H,OrginalHole,rev0 V0
NageeziUnit218H,OrginalHole,rev0 V0
NageeziUnit214H,OrginalHole,rev0 V0
NageeziUnit213H,OrginalHole,rev0 V0
NageeziUnit217H,OrginalHole,rev0 V0

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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 318491

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 318491
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additional, if cement is not circulated to surface during cementing operations, then a CBL is required.	7/11/2024