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: 217H

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: 30-045-38297

Well Status: Approved Application for Permit to Drill

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2777061

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/28/2024

Time Sundry Submitted: 08:53

Date proposed operation will begin: 02/28/2024

Procedure Description: The subject well has been assigned API No: 30-045-38297 and is located in DJRs undivided Nageezi Unit. Original plans were to drill a 7820-ft lateral. DJR is seeking approval to lengthen the lateral to 12457-ft, changing the proposed depth to 5296 / 17962, adjusting the BHL & increasing the dedicated acres from 520 to 670. 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_217H_Rev1_20240228085302.pdf

CONFIDENTIAL

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US Well Number:

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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 08:53 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

Released to Imaging: 7/11/2024 10:09:51 AM

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
30-045-38297	98080	NAGEEZI UNIT MANCOS OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
325268	NAGEEZI UNIT	217H

[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		1724'	SOUTH	762'	WEST	SAN JUAN

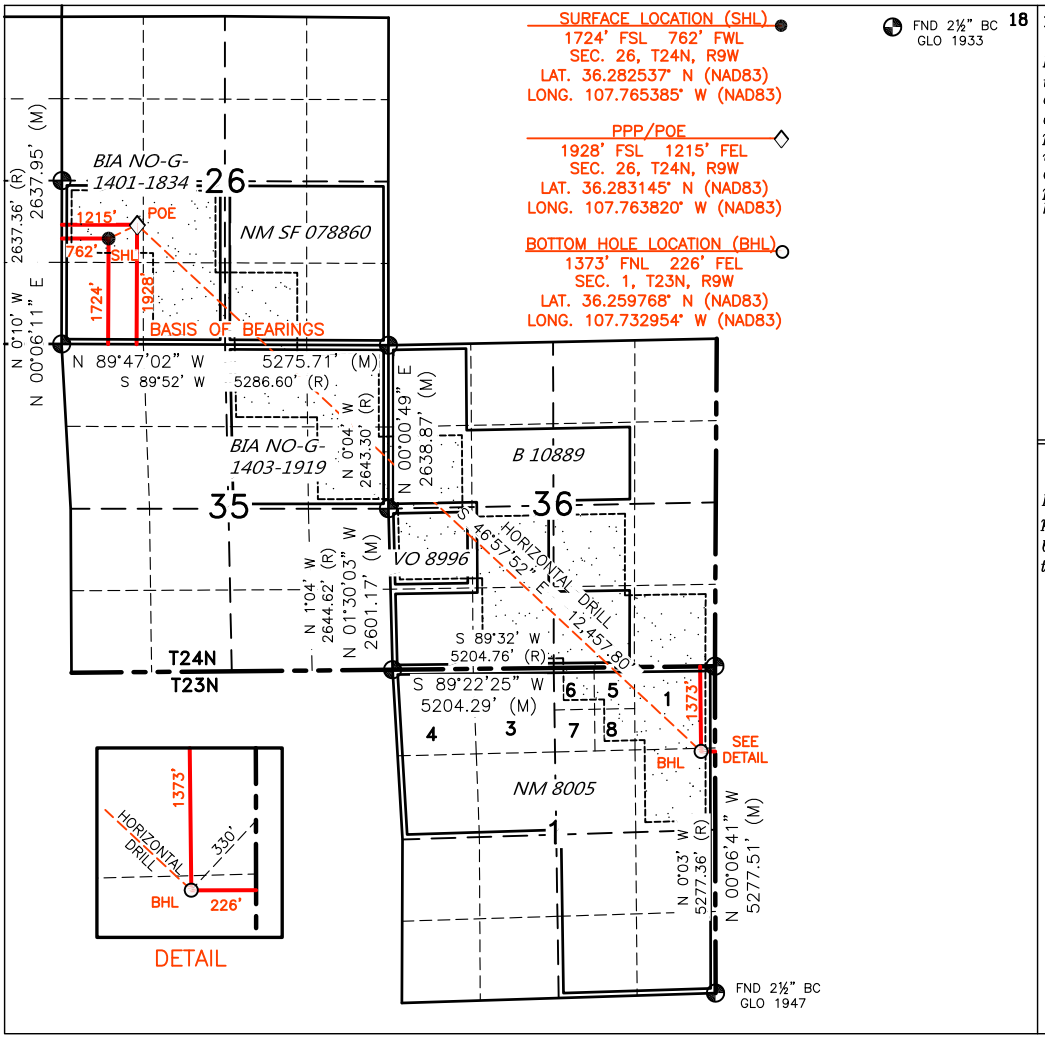
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	1	23N	9W		1373'	NORTH	226'	EAST	SAN JUAN

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 26: NW/SW, NE/SW, SE/SW & SW/SE (160 AC.); SEC 35: NW/NE, NE/NE & SE/NE (120 AC.); SEC 36: SW/NW, NW/SW, NE/SW, SE/SW, NW/SE, SW/SE & SE/SE (280 AC.); SEC 1: LOT 6, LOT 5, LOT 8, LOT 1 & SE/NE (110.31 AC) = 670.31 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

16



[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 217H**
API Number: 30-045-38297
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 1,724 ft FSL 762 ft FWL
36.282537 ° N latitude 107.765385 ° W longitude (NAD 83)
BH Location: 1-23-N9W Sec-Twn-Rng 1,373 ft FNL 226 ft FEL
36.259768 ° N latitude 107.732954 ° 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	1,246	G, W	sub
Pictured Cliffs	5,260	1,591	1,591	G, W	sub
Lewis	5,150	1,701	1,701	G, W	normal
Chacra	4,850	2,001	2,006	G, W	normal
Cliff House	3,759	3,092	3,117	G, W	sub
Menefee	3,729	3,122	3,148	G, W	normal
Point Lookout	2,790	4,061	4,104	G, W	normal
Mancos	2,588	4,263	4,309	O,G	sub (~0.38)
Gallup (MNCS_A)	2,230	4,621	4,668	O,G	sub (~0.38)
MNCS_B	2,147	4,704	4,751	O,G	sub (~0.38)
MNCS_C	2,043	4,808	4,855	O,G	sub (~0.38)
MNCS_Cms	1,996	4,855	4,902	O,G	sub (~0.38)
MNCS_D	1,878	4,973	5,026	O,G	sub (~0.38)
MNCS_E	1,769	5,082	5,150	O,G	sub (~0.38)
MNCS_F	1,700	5,151	5,239	O,G	sub (~0.38)
MNCS_G	1,622	5,229	5,358	O,G	sub (~0.38)
MNCS_H	1,580	5,271	5,441	O,G	sub (~0.38)
MNCS_I	1,539	5,312	5,558	O,G	sub (~0.38)
FTP TARGET	**1,555**	**5,296**	**5,505**	**O,G**	**sub (~0.38)**
PROJECTED TD	**1,631**	**5,220**	**17,962**	**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: **2,280 psi**
Maximum anticipated surface pressure, assuming partially evacuated hole: **1,120 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", 5,000 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"

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	697	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
Drake Cementing Surface Blend

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

350 ft (MD)	**to**	**3,247 ft (MD)**	**Hole Section Length:**	**2,897 ft**
350 ft (TVD)	**to**	**3,222 ft (TVD)**	**Casing Required:**	**3,247 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"

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

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	1,304	201,936	201,936
Min. S.F.					**1.44**	**2.70**	**2.79**	**2.24**

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	656
Tail	Type III	14.6	1.380	6.64	20%	2,747	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.**

3,247	**ft (MD)**	**to**	**17,962**	**ft (MD)**	**Hole Section Length: 14,715 ft**
3,222	**ft (TVD)**	**to**	**5,220**	**ft (TVD)**	**Casing Required: 17,962 ft**

Estimated KOP:	**4,805**	**ft (MD)**	**4,758**	**ft (TVD)**
Estimated Landing Point (FTP):	**5,505**	**ft (MD)**	**5,296**	**ft (TVD)**
Estimated Lateral Length:	**12,457**	**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"

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					2,579	8,989	363,493	363,493
Min. S.F.					**2.89**	**1.18**	**1.50**	**1.22**

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

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	540	1,275
Tail	G:POZ blend	13.3	1.560	7.70	10%	4,309	2,214	3,454

Displacement 415 est bbls

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

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

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 12,357

Est Frac Inform: 51 Frac Stages 198,000 bbls slick water 16,070,000 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: 5/1/2024

Completion: 6/30/2024

Production: 8/14/2024

Prepared by:	Greg Olson	10/5/2023
Updated:	Greg Olson	11/29/2023
	Greg Olson	2/22/2024

WELL NAME: **NAGEEZI UNIT 217H**

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

API Number: *30-045-38297*

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	1,724	ft FSL	762	ft FWL
BH Location:	1-23-N9W	Sec-Twn- Rng	1373	ft FNL	226	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)	3,247	ft
KOP (MD)	4,805	ft
KOP (TVD)	4,758	ft
Target (TVD)	5,296	ft
Curve BUR	10	°/100 ft
POE (MD)	5,505	ft
TD (MD)	17,962	ft
Lat Len (ft)	12,457	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	3,247	9.625	36.0	J-55	LTC	0	3,247
Production	8.750	17,962	5.500	17.0	P-110	LTC	0	17,962

CEMENT PROPERTIES SUMMARY:

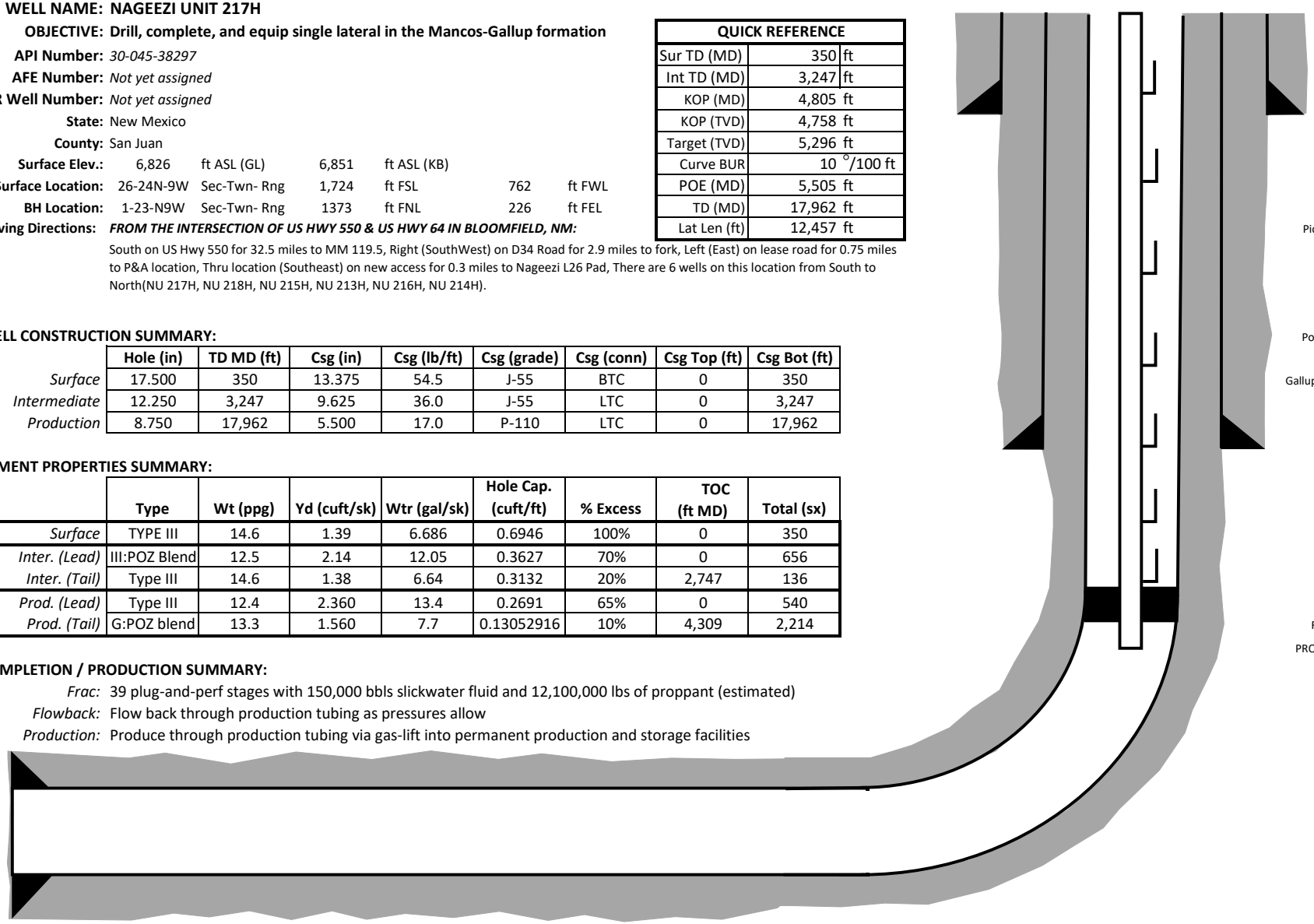
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.39	6.686	0.6946	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	656
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,747	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	540
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.13052916	10%	4,309	2,214

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	1,246
Pictured Cliffs	1,591	1,591
Lewis	1,701	1,701
Chacra	2,001	2,006
Cliff House	3,092	3,117
Menefee	3,122	3,148
Point Lookout	4,061	4,104
Mancos	4,263	4,309
Gallup (MNCS_A)	4,621	4,668
MNCS_B	4,704	4,751
MNCS_C	4,808	4,855
MNCS_Cms	4,855	4,902
MNCS_D	4,973	5,026
MNCS_E	5,082	5,150
MNCS_F	5,151	5,239
MNCS_G	5,229	5,358
MNCS_H	5,271	5,441
MNCS_I	5,312	5,558
FTP TARGET	5,296	5,505
PROJECTED TD	5,220	17,962

Received by OCD: 2/28/2024 10:11:29 AM

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

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nageezi 217H 0 VS	5334.00	348.51	325.10	1922498.29	2743443.09	36.28349375	-107.76428111
Nageezi 217H BHL 1373 FNL 226 FEL 3330 ppd	5220.00	-8272.90	9566.95	1913876.90	2752684.93	36.25978800	-107.73295400
Nageezi 217H PPP/POE 1928 FSL 1215 FEL	5300.00	221.66	461.09	1922371.44	2743579.08	36.28314500	-107.76382000
Nageezi 217H vert	4500.00	478.81	185.42	1922628.59	2743303.41	36.28385196	-107.76475473

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	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1868.13	11.04	21.17	1865.86	32.98	12.77	3.00	21.17	-13.16	Begin 11.04° tangent
4	4179.22	11.04	21.17	4134.14	445.83	172.65	0.00	0.00	-177.86	Begin 3°/100' drop
5	4547.35	0.00	0.00	4500.00	478.81	185.42	3.00	180.00	-191.02	Begin vertical hold
6	4804.93	0.00	0.00	4757.58	478.81	185.42	0.00	0.00	-191.02	Begin 10°/100' build
7	5504.93	70.00	133.01	5295.98	221.65	461.09	10.00	133.01	185.97	POE @ 5504.93 MD 5295.98 TVD
8	5710.10	90.52	133.01	5330.51	84.45	608.16	10.00	0.00	387.10	Begin 90.52° lateral
9	17962.34	90.52	133.01	5220.00	-8272.90	9566.95	0.00	0.00	12638.85	PBHL @ 17962.34 MD 5220.00 TVD

T G M

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

Magnetic Field
Strength: 49065.9nT
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:

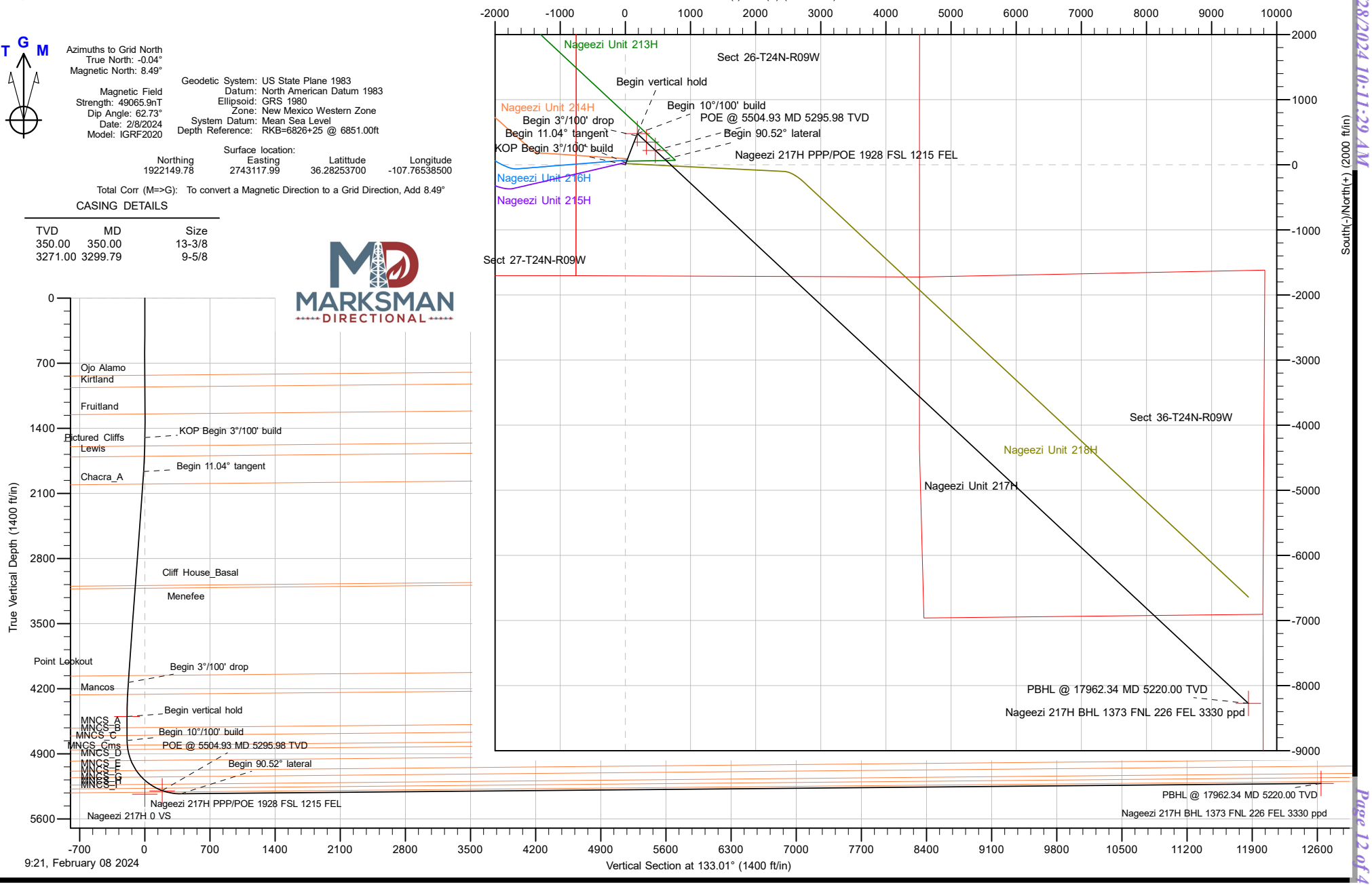
Northing	Easting	Latittude	Longitude
1922149.78	2743117.99	36.28253700	-107.76538500

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

CASING DETAILS

TVD	MD	Size
350.00	350.00	13-3/8
3271.00	3299.79	9-5/8

MARKSMAN DIRECTIONAL



9:21, February 08 2024

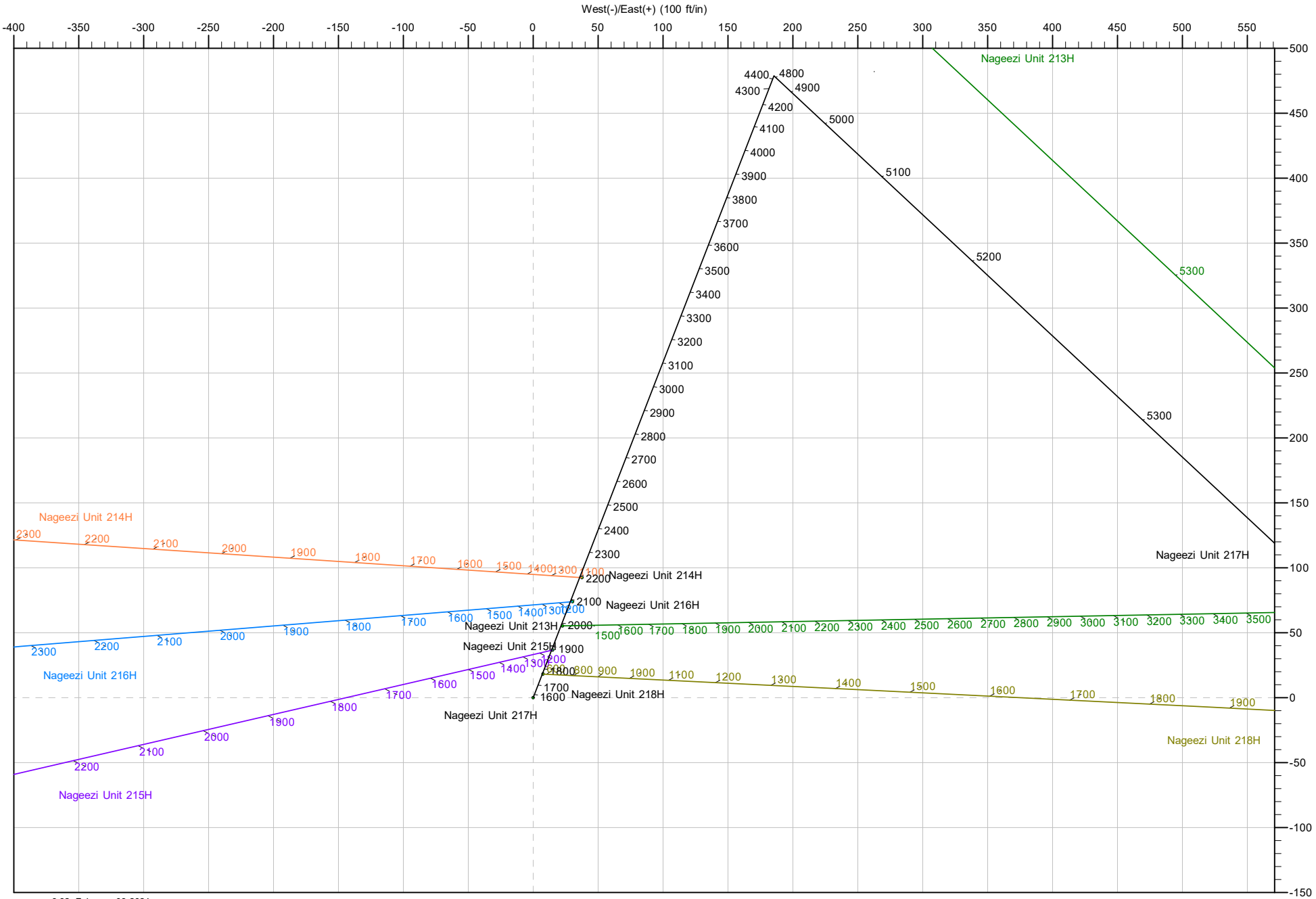
Received by OCD: 2/28/2024 10:09:51 AM

Released to Imaging: 7/11/2024 10:09:51 AM

Received by OCD: 2/28/2024 10:11:29 AM

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

MARKSMAN DIRECTIONAL



Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 217H, Surf loc: 1724 FSL 762 FWL Section 26-T24N-R09W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,922,149.79 usft	**Latitude:**	36.28253700
	+E/-W	0.00 ft	**Easting:**	2,743,117.99 usft	**Longitude:**	-107.76538500
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	49,065.89274249

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	133.01

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

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,962.34	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,868.13	11.04	21.17	1,865.86	32.98	12.77	3.00	3.00	0.00	21.17	
4,179.22	11.04	21.17	4,134.14	445.83	172.65	0.00	0.00	0.00	0.00	
4,547.35	0.00	0.00	4,500.00	478.81	185.42	3.00	-3.00	0.00	180.00	Nageezi 217H vert
4,804.93	0.00	0.00	4,757.58	478.81	185.42	0.00	0.00	0.00	0.00	
5,504.93	70.00	133.01	5,295.98	221.65	461.09	10.00	10.00	0.00	133.01	
5,710.10	90.52	133.01	5,330.51	84.45	608.16	10.00	10.00	0.00	0.00	
17,962.34	90.52	133.01	5,220.00	-8,272.90	9,566.95	0.00	0.00	0.00	0.00	Nageezi 217H BHL 1

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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
13-3/8" Surface Casing									
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
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,246.00	0.00	0.00	1,246.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitland									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
1,591.04	2.73	21.17	1,591.01	2.02	0.78	-0.81	3.00	3.00	0.00
Pictured Cliffs									
1,600.00	3.00	21.17	1,599.95	2.44	0.95	-0.97	3.00	3.00	0.00
1,700.00	6.00	21.17	1,699.63	9.76	3.78	-3.89	3.00	3.00	0.00
1,701.41	6.04	21.17	1,701.04	9.89	3.83	-3.95	3.00	3.00	0.00
Lewis									
1,800.00	9.00	21.17	1,798.77	21.93	8.49	-8.75	3.00	3.00	0.00
1,868.13	11.04	21.17	1,865.86	32.98	12.77	-13.16	3.00	3.00	0.00
Begin 11.04° tangent									
1,900.00	11.04	21.17	1,897.13	38.68	14.98	-15.43	0.00	0.00	0.00
2,000.00	11.04	21.17	1,995.28	56.54	21.89	-22.56	0.00	0.00	0.00
2,006.04	11.04	21.17	2,001.21	57.62	22.31	-22.99	0.00	0.00	0.00
Chacra_A									
2,100.00	11.04	21.17	2,093.43	74.40	28.81	-29.68	0.00	0.00	0.00
2,200.00	11.04	21.17	2,191.58	92.27	35.73	-36.81	0.00	0.00	0.00
2,300.00	11.04	21.17	2,289.73	110.13	42.65	-43.94	0.00	0.00	0.00
2,400.00	11.04	21.17	2,387.87	127.99	49.57	-51.06	0.00	0.00	0.00
2,500.00	11.04	21.17	2,486.02	145.86	56.48	-58.19	0.00	0.00	0.00
2,600.00	11.04	21.17	2,584.17	163.72	63.40	-65.32	0.00	0.00	0.00
2,700.00	11.04	21.17	2,682.32	181.58	70.32	-72.44	0.00	0.00	0.00
2,800.00	11.04	21.17	2,780.47	199.45	77.24	-79.57	0.00	0.00	0.00
2,900.00	11.04	21.17	2,878.61	217.31	84.15	-86.70	0.00	0.00	0.00
3,000.00	11.04	21.17	2,976.76	235.18	91.07	-93.82	0.00	0.00	0.00
3,100.00	11.04	21.17	3,074.91	253.04	97.99	-100.95	0.00	0.00	0.00
3,117.34	11.04	21.17	3,091.93	256.14	99.19	-102.19	0.00	0.00	0.00
Cliff House_Basal									
3,147.92	11.04	21.17	3,121.95	261.60	101.31	-104.37	0.00	0.00	0.00
Menefee									

Planning Report

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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 217H	**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)
3,200.00	11.04	21.17	3,173.06	270.90	104.91	-108.08	0.00	0.00	0.00
3,299.79	11.04	21.17	3,271.00	288.73	111.81	-115.19	0.00	0.00	0.00
9-5/8" Intermediate Casing									
3,300.00	11.04	21.17	3,271.21	288.77	111.83	-115.20	0.00	0.00	0.00
3,400.00	11.04	21.17	3,369.35	306.63	118.74	-122.33	0.00	0.00	0.00
3,500.00	11.04	21.17	3,467.50	324.49	125.66	-129.46	0.00	0.00	0.00
3,600.00	11.04	21.17	3,565.65	342.36	132.58	-136.58	0.00	0.00	0.00
3,700.00	11.04	21.17	3,663.80	360.22	139.50	-143.71	0.00	0.00	0.00
3,800.00	11.04	21.17	3,761.95	378.08	146.41	-150.84	0.00	0.00	0.00
3,900.00	11.04	21.17	3,860.10	395.95	153.33	-157.97	0.00	0.00	0.00
4,000.00	11.04	21.17	3,958.24	413.81	160.25	-165.09	0.00	0.00	0.00
4,100.00	11.04	21.17	4,056.39	431.68	167.17	-172.22	0.00	0.00	0.00
4,104.25	11.04	21.17	4,060.57	432.44	167.46	-172.52	0.00	0.00	0.00
Point Lookout									
4,179.22	11.04	21.17	4,134.14	445.83	172.65	-177.86	0.00	0.00	0.00
Begin 3°/100' drop									
4,200.00	10.42	21.17	4,154.56	449.44	174.04	-179.30	3.00	-3.00	0.00
4,300.00	7.42	21.17	4,253.34	463.89	179.64	-185.07	3.00	-3.00	0.00
4,309.42	7.14	21.17	4,262.68	465.01	180.07	-185.52	3.00	-3.00	0.00
Mancos									
4,400.00	4.42	21.17	4,352.79	473.51	183.37	-188.91	3.00	-3.00	0.00
4,500.00	1.42	21.17	4,452.65	478.26	185.21	-190.80	3.00	-3.00	0.00
4,547.35	0.00	0.00	4,500.00	478.81	185.42	-191.02	3.00	-3.00	0.00
Begin vertical hold									
4,600.00	0.00	0.00	4,552.65	478.81	185.42	-191.02	0.00	0.00	0.00
4,668.09	0.00	0.00	4,620.73	478.81	185.42	-191.02	0.00	0.00	0.00
MNCS_A									
4,700.00	0.00	0.00	4,652.65	478.81	185.42	-191.02	0.00	0.00	0.00
4,751.09	0.00	0.00	4,703.73	478.81	185.42	-191.02	0.00	0.00	0.00
MNCS_B									
4,804.93	0.00	0.00	4,757.58	478.81	185.42	-191.02	0.00	0.00	0.00
Begin 10°/100' build									
4,850.00	4.51	133.01	4,802.60	477.60	186.72	-189.25	10.00	10.00	0.00
4,855.13	5.02	133.01	4,807.71	477.31	187.03	-188.83	10.00	10.00	0.00
MNCS_C									
4,900.00	9.51	133.01	4,852.21	473.44	191.17	-183.15	10.00	10.00	0.00
4,902.48	9.75	133.01	4,854.66	473.16	191.48	-182.74	10.00	10.00	0.00
MNCS_Cms									
4,950.00	14.51	133.01	4,901.10	466.35	198.78	-172.76	10.00	10.00	0.00
5,000.00	19.51	133.01	4,948.90	456.38	209.47	-158.14	10.00	10.00	0.00
5,026.16	22.12	133.01	4,973.35	450.04	216.26	-148.84	10.00	10.00	0.00
MNCS_D									
5,050.00	24.51	133.01	4,995.24	443.60	223.16	-139.41	10.00	10.00	0.00
5,100.00	29.51	133.01	5,039.78	428.12	239.76	-116.71	10.00	10.00	0.00
5,149.58	34.47	133.01	5,081.82	410.21	258.96	-90.45	10.00	10.00	0.00
MNCS_E									
5,150.00	34.51	133.01	5,082.16	410.05	259.13	-90.22	10.00	10.00	0.00
5,200.00	39.51	133.01	5,122.08	389.52	281.13	-60.13	10.00	10.00	0.00
5,239.01	43.41	133.01	5,151.31	371.91	300.02	-34.31	10.00	10.00	0.00
MNCS_F									
5,250.00	44.51	133.01	5,159.22	366.71	305.59	-26.68	10.00	10.00	0.00
5,300.00	49.51	133.01	5,193.31	341.77	332.33	9.88	10.00	10.00	0.00

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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)
5,350.00	54.51	133.01	5,224.07	314.90	361.13	49.27	10.00	10.00	0.00
5,357.69	55.28	133.01	5,228.50	310.61	365.73	55.56	10.00	10.00	0.00
MNCS_G									
5,400.00	59.51	133.01	5,251.29	286.30	391.79	91.20	10.00	10.00	0.00
5,441.07	63.61	133.01	5,270.84	261.68	418.19	127.30	10.00	10.00	0.00
MNCS_H									
5,450.00	64.51	133.01	5,274.75	256.19	424.06	135.33	10.00	10.00	0.00
5,504.93	70.00	133.01	5,295.98	221.65	461.09	185.97	10.00	10.00	0.00
POE @ 5504.93 MD 5295.98 TVD									
5,550.00	74.51	133.01	5,309.72	192.38	492.47	228.88	10.00	10.00	0.00
5,558.20	75.33	133.01	5,311.85	186.98	498.26	236.80	10.00	10.00	0.00
MNCS_I									
5,600.00	79.51	133.01	5,320.96	159.16	528.09	277.59	10.00	10.00	0.00
5,650.00	84.51	133.01	5,327.91	125.39	564.28	327.09	10.00	10.00	0.00
5,700.00	89.51	133.01	5,330.52	91.34	600.78	377.00	10.00	10.00	0.00
5,710.10	90.52	133.01	5,330.51	84.45	608.16	387.10	10.00	10.00	0.00
Begin 90.52° lateral									
5,800.00	90.52	133.01	5,329.70	23.13	673.90	477.00	0.00	0.00	0.00
5,900.00	90.52	133.01	5,328.80	-45.08	747.02	577.00	0.00	0.00	0.00
6,000.00	90.52	133.01	5,327.90	-113.29	820.14	676.99	0.00	0.00	0.00
6,100.00	90.52	133.01	5,327.00	-181.50	893.26	776.99	0.00	0.00	0.00
6,200.00	90.52	133.01	5,326.10	-249.71	966.38	876.98	0.00	0.00	0.00
6,300.00	90.52	133.01	5,325.19	-317.92	1,039.50	976.98	0.00	0.00	0.00
6,400.00	90.52	133.01	5,324.29	-386.13	1,112.62	1,076.98	0.00	0.00	0.00
6,500.00	90.52	133.01	5,323.39	-454.34	1,185.74	1,176.97	0.00	0.00	0.00
6,600.00	90.52	133.01	5,322.49	-522.55	1,258.86	1,276.97	0.00	0.00	0.00
6,700.00	90.52	133.01	5,321.59	-590.76	1,331.98	1,376.96	0.00	0.00	0.00
6,800.00	90.52	133.01	5,320.68	-658.98	1,405.10	1,476.96	0.00	0.00	0.00
6,900.00	90.52	133.01	5,319.78	-727.19	1,478.21	1,576.95	0.00	0.00	0.00
7,000.00	90.52	133.01	5,318.88	-795.40	1,551.33	1,676.95	0.00	0.00	0.00
7,100.00	90.52	133.01	5,317.98	-863.61	1,624.45	1,776.95	0.00	0.00	0.00
7,200.00	90.52	133.01	5,317.08	-931.82	1,697.57	1,876.94	0.00	0.00	0.00
7,300.00	90.52	133.01	5,316.17	-1,000.03	1,770.69	1,976.94	0.00	0.00	0.00
7,400.00	90.52	133.01	5,315.27	-1,068.24	1,843.81	2,076.93	0.00	0.00	0.00
7,500.00	90.52	133.01	5,314.37	-1,136.45	1,916.93	2,176.93	0.00	0.00	0.00
7,600.00	90.52	133.01	5,313.47	-1,204.66	1,990.05	2,276.93	0.00	0.00	0.00
7,700.00	90.52	133.01	5,312.57	-1,272.87	2,063.17	2,376.92	0.00	0.00	0.00
7,800.00	90.52	133.01	5,311.66	-1,341.08	2,136.29	2,476.92	0.00	0.00	0.00
7,900.00	90.52	133.01	5,310.76	-1,409.29	2,209.41	2,576.91	0.00	0.00	0.00
8,000.00	90.52	133.01	5,309.86	-1,477.51	2,282.53	2,676.91	0.00	0.00	0.00
8,100.00	90.52	133.01	5,308.96	-1,545.72	2,355.65	2,776.91	0.00	0.00	0.00
8,200.00	90.52	133.01	5,308.06	-1,613.93	2,428.77	2,876.90	0.00	0.00	0.00
8,300.00	90.52	133.01	5,307.15	-1,682.14	2,501.89	2,976.90	0.00	0.00	0.00
8,400.00	90.52	133.01	5,306.25	-1,750.35	2,575.01	3,076.89	0.00	0.00	0.00
8,500.00	90.52	133.01	5,305.35	-1,818.56	2,648.13	3,176.89	0.00	0.00	0.00
8,600.00	90.52	133.01	5,304.45	-1,886.77	2,721.25	3,276.89	0.00	0.00	0.00
8,700.00	90.52	133.01	5,303.55	-1,954.98	2,794.37	3,376.88	0.00	0.00	0.00
8,800.00	90.52	133.01	5,302.64	-2,023.19	2,867.49	3,476.88	0.00	0.00	0.00
8,900.00	90.52	133.01	5,301.74	-2,091.40	2,940.61	3,576.87	0.00	0.00	0.00
9,000.00	90.52	133.01	5,300.84	-2,159.61	3,013.73	3,676.87	0.00	0.00	0.00
9,100.00	90.52	133.01	5,299.94	-2,227.82	3,086.85	3,776.87	0.00	0.00	0.00
9,200.00	90.52	133.01	5,299.04	-2,296.03	3,159.97	3,876.86	0.00	0.00	0.00
9,300.00	90.52	133.01	5,298.13	-2,364.25	3,233.08	3,976.86	0.00	0.00	0.00
9,400.00	90.52	133.01	5,297.23	-2,432.46	3,306.20	4,076.85	0.00	0.00	0.00

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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)
9,500.00	90.52	133.01	5,296.33	-2,500.67	3,379.32	4,176.85	0.00	0.00	0.00
9,600.00	90.52	133.01	5,295.43	-2,568.88	3,452.44	4,276.84	0.00	0.00	0.00
9,700.00	90.52	133.01	5,294.53	-2,637.09	3,525.56	4,376.84	0.00	0.00	0.00
9,800.00	90.52	133.01	5,293.62	-2,705.30	3,598.68	4,476.84	0.00	0.00	0.00
9,900.00	90.52	133.01	5,292.72	-2,773.51	3,671.80	4,576.83	0.00	0.00	0.00
10,000.00	90.52	133.01	5,291.82	-2,841.72	3,744.92	4,676.83	0.00	0.00	0.00
10,100.00	90.52	133.01	5,290.92	-2,909.93	3,818.04	4,776.82	0.00	0.00	0.00
10,200.00	90.52	133.01	5,290.02	-2,978.14	3,891.16	4,876.82	0.00	0.00	0.00
10,300.00	90.52	133.01	5,289.11	-3,046.35	3,964.28	4,976.82	0.00	0.00	0.00
10,400.00	90.52	133.01	5,288.21	-3,114.56	4,037.40	5,076.81	0.00	0.00	0.00
10,500.00	90.52	133.01	5,287.31	-3,182.78	4,110.52	5,176.81	0.00	0.00	0.00
10,600.00	90.52	133.01	5,286.41	-3,250.99	4,183.64	5,276.80	0.00	0.00	0.00
10,700.00	90.52	133.01	5,285.51	-3,319.20	4,256.76	5,376.80	0.00	0.00	0.00
10,800.00	90.52	133.01	5,284.60	-3,387.41	4,329.88	5,476.80	0.00	0.00	0.00
10,900.00	90.52	133.01	5,283.70	-3,455.62	4,403.00	5,576.79	0.00	0.00	0.00
11,000.00	90.52	133.01	5,282.80	-3,523.83	4,476.12	5,676.79	0.00	0.00	0.00
11,100.00	90.52	133.01	5,281.90	-3,592.04	4,549.24	5,776.78	0.00	0.00	0.00
11,200.00	90.52	133.01	5,281.00	-3,660.25	4,622.36	5,876.78	0.00	0.00	0.00
11,300.00	90.52	133.01	5,280.09	-3,728.46	4,695.48	5,976.78	0.00	0.00	0.00
11,400.00	90.52	133.01	5,279.19	-3,796.67	4,768.60	6,076.77	0.00	0.00	0.00
11,500.00	90.52	133.01	5,278.29	-3,864.88	4,841.72	6,176.77	0.00	0.00	0.00
11,600.00	90.52	133.01	5,277.39	-3,933.09	4,914.84	6,276.76	0.00	0.00	0.00
11,700.00	90.52	133.01	5,276.49	-4,001.30	4,987.95	6,376.76	0.00	0.00	0.00
11,800.00	90.52	133.01	5,275.58	-4,069.52	5,061.07	6,476.76	0.00	0.00	0.00
11,900.00	90.52	133.01	5,274.68	-4,137.73	5,134.19	6,576.75	0.00	0.00	0.00
12,000.00	90.52	133.01	5,273.78	-4,205.94	5,207.31	6,676.75	0.00	0.00	0.00
12,100.00	90.52	133.01	5,272.88	-4,274.15	5,280.43	6,776.74	0.00	0.00	0.00
12,200.00	90.52	133.01	5,271.98	-4,342.36	5,353.55	6,876.74	0.00	0.00	0.00
12,300.00	90.52	133.01	5,271.07	-4,410.57	5,426.67	6,976.74	0.00	0.00	0.00
12,400.00	90.52	133.01	5,270.17	-4,478.78	5,499.79	7,076.73	0.00	0.00	0.00
12,500.00	90.52	133.01	5,269.27	-4,546.99	5,572.91	7,176.73	0.00	0.00	0.00
12,600.00	90.52	133.01	5,268.37	-4,615.20	5,646.03	7,276.72	0.00	0.00	0.00
12,700.00	90.52	133.01	5,267.47	-4,683.41	5,719.15	7,376.72	0.00	0.00	0.00
12,800.00	90.52	133.01	5,266.56	-4,751.62	5,792.27	7,476.71	0.00	0.00	0.00
12,900.00	90.52	133.01	5,265.66	-4,819.83	5,865.39	7,576.71	0.00	0.00	0.00
13,000.00	90.52	133.01	5,264.76	-4,888.05	5,938.51	7,676.71	0.00	0.00	0.00
13,100.00	90.52	133.01	5,263.86	-4,956.26	6,011.63	7,776.70	0.00	0.00	0.00
13,200.00	90.52	133.01	5,262.96	-5,024.47	6,084.75	7,876.70	0.00	0.00	0.00
13,300.00	90.52	133.01	5,262.05	-5,092.68	6,157.87	7,976.69	0.00	0.00	0.00
13,400.00	90.52	133.01	5,261.15	-5,160.89	6,230.99	8,076.69	0.00	0.00	0.00
13,500.00	90.52	133.01	5,260.25	-5,229.10	6,304.11	8,176.69	0.00	0.00	0.00
13,600.00	90.52	133.01	5,259.35	-5,297.31	6,377.23	8,276.68	0.00	0.00	0.00
13,700.00	90.52	133.01	5,258.45	-5,365.52	6,450.35	8,376.68	0.00	0.00	0.00
13,800.00	90.52	133.01	5,257.54	-5,433.73	6,523.47	8,476.67	0.00	0.00	0.00
13,900.00	90.52	133.01	5,256.64	-5,501.94	6,596.59	8,576.67	0.00	0.00	0.00
14,000.00	90.52	133.01	5,255.74	-5,570.15	6,669.71	8,676.67	0.00	0.00	0.00
14,100.00	90.52	133.01	5,254.84	-5,638.36	6,742.82	8,776.66	0.00	0.00	0.00
14,200.00	90.52	133.01	5,253.94	-5,706.57	6,815.94	8,876.66	0.00	0.00	0.00
14,300.00	90.52	133.01	5,253.03	-5,774.79	6,889.06	8,976.65	0.00	0.00	0.00
14,400.00	90.52	133.01	5,252.13	-5,843.00	6,962.18	9,076.65	0.00	0.00	0.00
14,500.00	90.52	133.01	5,251.23	-5,911.21	7,035.30	9,176.65	0.00	0.00	0.00
14,600.00	90.52	133.01	5,250.33	-5,979.42	7,108.42	9,276.64	0.00	0.00	0.00
14,700.00	90.52	133.01	5,249.43	-6,047.63	7,181.54	9,376.64	0.00	0.00	0.00
14,800.00	90.52	133.01	5,248.52	-6,115.84	7,254.66	9,476.63	0.00	0.00	0.00

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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)
14,900.00	90.52	133.01	5,247.62	-6,184.05	7,327.78	9,576.63	0.00	0.00	0.00
15,000.00	90.52	133.01	5,246.72	-6,252.26	7,400.90	9,676.63	0.00	0.00	0.00
15,100.00	90.52	133.01	5,245.82	-6,320.47	7,474.02	9,776.62	0.00	0.00	0.00
15,200.00	90.52	133.01	5,244.92	-6,388.68	7,547.14	9,876.62	0.00	0.00	0.00
15,300.00	90.52	133.01	5,244.01	-6,456.89	7,620.26	9,976.61	0.00	0.00	0.00
15,400.00	90.52	133.01	5,243.11	-6,525.10	7,693.38	10,076.61	0.00	0.00	0.00
15,500.00	90.52	133.01	5,242.21	-6,593.32	7,766.50	10,176.61	0.00	0.00	0.00
15,600.00	90.52	133.01	5,241.31	-6,661.53	7,839.62	10,276.60	0.00	0.00	0.00
15,700.00	90.52	133.01	5,240.41	-6,729.74	7,912.74	10,376.60	0.00	0.00	0.00
15,800.00	90.52	133.01	5,239.50	-6,797.95	7,985.86	10,476.59	0.00	0.00	0.00
15,900.00	90.52	133.01	5,238.60	-6,866.16	8,058.98	10,576.59	0.00	0.00	0.00
16,000.00	90.52	133.01	5,237.70	-6,934.37	8,132.10	10,676.58	0.00	0.00	0.00
16,100.00	90.52	133.01	5,236.80	-7,002.58	8,205.22	10,776.58	0.00	0.00	0.00
16,200.00	90.52	133.01	5,235.90	-7,070.79	8,278.34	10,876.58	0.00	0.00	0.00
16,300.00	90.52	133.01	5,234.99	-7,139.00	8,351.46	10,976.57	0.00	0.00	0.00
16,400.00	90.52	133.01	5,234.09	-7,207.21	8,424.58	11,076.57	0.00	0.00	0.00
16,500.00	90.52	133.01	5,233.19	-7,275.42	8,497.69	11,176.56	0.00	0.00	0.00
16,600.00	90.52	133.01	5,232.29	-7,343.63	8,570.81	11,276.56	0.00	0.00	0.00
16,700.00	90.52	133.01	5,231.39	-7,411.84	8,643.93	11,376.56	0.00	0.00	0.00
16,800.00	90.52	133.01	5,230.48	-7,480.06	8,717.05	11,476.55	0.00	0.00	0.00
16,900.00	90.52	133.01	5,229.58	-7,548.27	8,790.17	11,576.55	0.00	0.00	0.00
17,000.00	90.52	133.01	5,228.68	-7,616.48	8,863.29	11,676.54	0.00	0.00	0.00
17,100.00	90.52	133.01	5,227.78	-7,684.69	8,936.41	11,776.54	0.00	0.00	0.00
17,200.00	90.52	133.01	5,226.88	-7,752.90	9,009.53	11,876.54	0.00	0.00	0.00
17,300.00	90.52	133.01	5,225.97	-7,821.11	9,082.65	11,976.53	0.00	0.00	0.00
17,400.00	90.52	133.01	5,225.07	-7,889.32	9,155.77	12,076.53	0.00	0.00	0.00
17,500.00	90.52	133.01	5,224.17	-7,957.53	9,228.89	12,176.52	0.00	0.00	0.00
17,600.00	90.52	133.01	5,223.27	-8,025.74	9,302.01	12,276.52	0.00	0.00	0.00
17,700.00	90.52	133.01	5,222.37	-8,093.95	9,375.13	12,376.52	0.00	0.00	0.00
17,800.00	90.52	133.01	5,221.46	-8,162.16	9,448.25	12,476.51	0.00	0.00	0.00
17,900.00	90.52	133.01	5,220.56	-8,230.37	9,521.37	12,576.51	0.00	0.00	0.00
17,962.34	90.52	133.01	5,220.00	-8,272.90	9,566.95	12,638.85	0.00	0.00	0.00
PBHL @ 17962.34 MD 5220.00 TVD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13-3/8" Surface Casing	13-3/8	17-1/2
3,299.79	3,271.00	9-5/8" Intermediate Casing	9-5/8	12-1/4

Planning Report

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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		-0.52	133.01
956.00	956.00	Kirtland		-0.52	133.01
1,246.00	1,246.00	Fruitland		-0.52	133.01
1,591.04	1,591.01	Pictured Cliffs		-0.52	133.01
1,701.41	1,701.04	Lewis		-0.52	133.01
2,006.04	2,001.21	Chacra_A		-0.52	133.01
3,117.34	3,091.93	Cliff House_Basal		-0.52	133.01
3,147.92	3,121.95	Menefee		-0.52	133.01
4,104.25	4,060.57	Point Lookout		-0.52	133.01
4,309.42	4,262.68	Mancos		-0.52	133.01
4,668.09	4,620.73	MNCS_A		-0.52	133.01
4,751.09	4,703.73	MNCS_B		-0.52	133.01
4,855.13	4,807.71	MNCS_C		-0.52	133.01
4,902.48	4,854.66	MNCS_Cms		-0.52	133.01
5,026.16	4,973.35	MNCS_D		-0.52	133.01
5,149.58	5,081.82	MNCS_E		-0.52	133.01
5,239.01	5,151.31	MNCS_F		-0.52	133.01
5,357.69	5,228.50	MNCS_G		-0.52	133.01
5,441.07	5,270.84	MNCS_H		-0.52	133.01
5,558.20	5,311.85	MNCS_I		-0.52	133.01

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,500.00	1,500.00	0.00	0.00	KOP Begin 3°/100' build
1,868.13	1,865.86	32.98	12.77	Begin 11.04° tangent
4,179.22	4,134.14	445.83	172.65	Begin 3°/100' drop
4,547.35	4,500.00	478.81	185.42	Begin vertical hold
4,804.93	4,757.58	478.81	185.42	Begin 10°/100' build
5,504.93	5,295.98	221.65	461.09	POE @ 5504.93 MD 5295.98 TVD
5,710.10	5,330.51	84.45	608.16	Begin 90.52° lateral
17,962.34	5,220.00	-8,272.90	9,566.95	PBHL @ 17962.34 MD 5220.00 TVD

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 217H, Surf loc: 1724 FSL 762 FWL Section 26-T24N-R09W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,922,149.79 usft	**Latitude:**	36.28253700
	+E/-W	0.00 ft	**Easting:**	2,743,117.99 usft	**Longitude:**	-107.76538500
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	49,065.89274249

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	133.01

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

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,962.34	rev0 (Original Hole)	MWD OWSG MWD - Standard	

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,868.13	11.04	21.17	1,865.86	32.98	12.77	3.00	3.00	0.00	21.17	
4,179.22	11.04	21.17	4,134.14	445.83	172.65	0.00	0.00	0.00	0.00	
4,547.35	0.00	0.00	4,500.00	478.81	185.42	3.00	-3.00	0.00	180.00	Nageezi 217H vert
4,804.93	0.00	0.00	4,757.58	478.81	185.42	0.00	0.00	0.00	0.00	
5,504.93	70.00	133.01	5,295.98	221.65	461.09	10.00	10.00	0.00	133.01	
5,710.10	90.52	133.01	5,330.51	84.45	608.16	10.00	10.00	0.00	0.00	
17,962.34	90.52	133.01	5,220.00	-8,272.90	9,566.95	0.00	0.00	0.00	0.00	Nageezi 217H BHL 1

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
100.00	0.00	0.00	100.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
200.00	0.00	0.00	200.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
300.00	0.00	0.00	300.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
350.00	0.00	0.00	350.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
13-3/8" Surface Casing									
400.00	0.00	0.00	400.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
500.00	0.00	0.00	500.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
600.00	0.00	0.00	600.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
700.00	0.00	0.00	700.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
800.00	0.00	0.00	800.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
831.00	0.00	0.00	831.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
Ojo Alamo									
900.00	0.00	0.00	900.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
956.00	0.00	0.00	956.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
Kirtland									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
1,100.00	0.00	0.00	1,100.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
1,200.00	0.00	0.00	1,200.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
1,246.00	0.00	0.00	1,246.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
Fruitland									
1,300.00	0.00	0.00	1,300.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
1,400.00	0.00	0.00	1,400.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
1,500.00	0.00	0.00	1,500.00	0.00	0.00	1,922,149.79	2,743,117.99	36.28253700	-107.76538500
KOP Begin 3°/100' build									
1,591.04	2.73	21.17	1,591.01	2.02	0.78	1,922,151.81	2,743,118.78	36.28254256	-107.76538234
Pictured Cliffs									
1,600.00	3.00	21.17	1,599.95	2.44	0.95	1,922,152.23	2,743,118.94	36.28254370	-107.76538179
1,700.00	6.00	21.17	1,699.63	9.76	3.78	1,922,159.54	2,743,121.77	36.28256379	-107.76537216
1,701.41	6.04	21.17	1,701.04	9.89	3.83	1,922,159.68	2,743,121.83	36.28256417	-107.76537198
Lewis									
1,800.00	9.00	21.17	1,798.77	21.93	8.49	1,922,171.71	2,743,126.49	36.28259722	-107.76535614
1,868.13	11.04	21.17	1,865.86	32.98	12.77	1,922,182.77	2,743,130.77	36.28262758	-107.76534159
Begin 11.04° tangent									
1,900.00	11.04	21.17	1,897.13	38.68	14.98	1,922,188.46	2,743,132.97	36.28264322	-107.76533410
2,000.00	11.04	21.17	1,995.28	56.54	21.89	1,922,206.33	2,743,139.89	36.28269227	-107.76531058
2,006.04	11.04	21.17	2,001.21	57.62	22.31	1,922,207.41	2,743,140.31	36.28269524	-107.76530916
Chacra_A									
2,100.00	11.04	21.17	2,093.43	74.40	28.81	1,922,224.19	2,743,146.81	36.28274133	-107.76528707
2,200.00	11.04	21.17	2,191.58	92.27	35.73	1,922,242.05	2,743,153.72	36.28279039	-107.76526355
2,300.00	11.04	21.17	2,289.73	110.13	42.65	1,922,259.92	2,743,160.64	36.28283945	-107.76524004
2,400.00	11.04	21.17	2,387.87	127.99	49.57	1,922,277.78	2,743,167.56	36.28288851	-107.76521653
2,500.00	11.04	21.17	2,486.02	145.86	56.48	1,922,295.64	2,743,174.48	36.28293757	-107.76519301
2,600.00	11.04	21.17	2,584.17	163.72	63.40	1,922,313.51	2,743,181.40	36.28298663	-107.76516950
2,700.00	11.04	21.17	2,682.32	181.58	70.32	1,922,331.37	2,743,188.31	36.28303569	-107.76514598
2,800.00	11.04	21.17	2,780.47	199.45	77.24	1,922,349.24	2,743,195.23	36.28308475	-107.76512247
2,900.00	11.04	21.17	2,878.61	217.31	84.15	1,922,367.10	2,743,202.15	36.28313381	-107.76509895
3,000.00	11.04	21.17	2,976.76	235.18	91.07	1,922,384.96	2,743,209.07	36.28318287	-107.76507544
3,100.00	11.04	21.17	3,074.91	253.04	97.99	1,922,402.83	2,743,215.98	36.28323192	-107.76505193
3,117.34	11.04	21.17	3,091.93	256.14	99.19	1,922,405.92	2,743,217.18	36.28324043	-107.76504785
Cliff House_Basal									
3,147.92	11.04	21.17	3,121.95	261.60	101.31	1,922,411.39	2,743,219.30	36.28325544	-107.76504066
Menefee									

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Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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
3,200.00	11.04	21.17	3,173.06	270.90	104.91	1,922,420.69	2,743,222.90	36.28328098	-107.76502841
3,299.79	11.04	21.17	3,271.00	288.73	111.81	1,922,438.52	2,743,229.80	36.28332994	-107.76500495
9-5/8" Intermediate Casing									
3,300.00	11.04	21.17	3,271.21	288.77	111.83	1,922,438.55	2,743,229.82	36.28333004	-107.76500490
3,400.00	11.04	21.17	3,369.35	306.63	118.74	1,922,456.42	2,743,236.74	36.28337910	-107.76498138
3,500.00	11.04	21.17	3,467.50	324.49	125.66	1,922,474.28	2,743,243.65	36.28342816	-107.76495787
3,600.00	11.04	21.17	3,565.65	342.36	132.58	1,922,492.14	2,743,250.57	36.28347722	-107.76493435
3,700.00	11.04	21.17	3,663.80	360.22	139.50	1,922,510.01	2,743,257.49	36.28352628	-107.76491084
3,800.00	11.04	21.17	3,761.95	378.08	146.41	1,922,527.87	2,743,264.41	36.28357534	-107.76488732
3,900.00	11.04	21.17	3,860.10	395.95	153.33	1,922,545.74	2,743,271.33	36.28362440	-107.76486381
4,000.00	11.04	21.17	3,958.24	413.81	160.25	1,922,563.60	2,743,278.24	36.28367346	-107.76484029
4,100.00	11.04	21.17	4,056.39	431.68	167.17	1,922,581.46	2,743,285.16	36.28372251	-107.76481678
4,104.25	11.04	21.17	4,060.57	432.44	167.46	1,922,582.22	2,743,285.45	36.28372460	-107.76481578
Point Lookout									
4,179.22	11.04	21.17	4,134.14	445.83	172.65	1,922,595.61	2,743,290.64	36.28376138	-107.76479815
Begin 3°/100' drop									
4,200.00	10.42	21.17	4,154.56	449.44	174.04	1,922,599.22	2,743,292.04	36.28377129	-107.76479340
4,300.00	7.42	21.17	4,253.34	463.89	179.64	1,922,613.68	2,743,297.64	36.28381100	-107.76477437
4,309.42	7.14	21.17	4,262.68	465.01	180.07	1,922,614.79	2,743,298.07	36.28381405	-107.76477290
Mancos									
4,400.00	4.42	21.17	4,352.79	473.51	183.37	1,922,623.30	2,743,301.36	36.28383741	-107.76476171
4,500.00	1.42	21.17	4,452.65	478.26	185.21	1,922,628.05	2,743,303.20	36.28385046	-107.76475546
4,547.35	0.00	0.00	4,500.00	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
Begin vertical hold									
4,600.00	0.00	0.00	4,552.65	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
4,668.09	0.00	0.00	4,620.73	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
MNCS_A									
4,700.00	0.00	0.00	4,652.65	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
4,751.09	0.00	0.00	4,703.73	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
MNCS_B									
4,804.93	0.00	0.00	4,757.58	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
Begin 10°/100' build									
4,850.00	4.51	133.01	4,802.60	477.60	186.72	1,922,627.39	2,743,304.71	36.28384864	-107.76475034
4,855.13	5.02	133.01	4,807.71	477.31	187.03	1,922,627.10	2,743,305.02	36.28384784	-107.76474929
MNCS_C									
4,900.00	9.51	133.01	4,852.21	473.44	191.17	1,922,623.23	2,743,309.17	36.28383720	-107.76473522
4,902.48	9.75	133.01	4,854.66	473.16	191.48	1,922,622.95	2,743,309.47	36.28383643	-107.76473420
MNCS_Cms									
4,950.00	14.51	133.01	4,901.10	466.35	198.78	1,922,616.14	2,743,316.77	36.28381770	-107.76470944
5,000.00	19.51	133.01	4,948.90	456.38	209.47	1,922,606.16	2,743,327.46	36.28379029	-107.76467319
5,026.16	22.12	133.01	4,973.35	450.04	216.26	1,922,599.82	2,743,334.26	36.28377286	-107.76465015
MNCS_D									
5,050.00	24.51	133.01	4,995.24	443.60	223.16	1,922,593.39	2,743,341.16	36.28375516	-107.76462675
5,100.00	29.51	133.01	5,039.78	428.12	239.76	1,922,577.90	2,743,357.75	36.28371260	-107.76457048
5,149.58	34.47	133.01	5,081.82	410.21	258.96	1,922,559.99	2,743,376.96	36.28366336	-107.76450537
MNCS_E									
5,150.00	34.51	133.01	5,082.16	410.05	259.13	1,922,559.83	2,743,377.13	36.28366292	-107.76450479
5,200.00	39.51	133.01	5,122.08	389.52	281.13	1,922,539.31	2,743,399.13	36.28360650	-107.76443019
5,239.01	43.41	133.01	5,151.31	371.91	300.02	1,922,521.70	2,743,418.01	36.28355807	-107.76436617
MNCS_F									
5,250.00	44.51	133.01	5,159.22	366.71	305.59	1,922,516.49	2,743,423.59	36.28354377	-107.76434726
5,300.00	49.51	133.01	5,193.31	341.77	332.33	1,922,491.56	2,743,450.32	36.28347521	-107.76425661
5,350.00	54.51	133.01	5,224.07	314.90	361.13	1,922,464.69	2,743,479.13	36.28340134	-107.76415894

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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 217H	**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
5,357.69	55.28	133.01	5,228.50	310.61	365.73	1,922,460.39	2,743,483.72	36.28338955	-107.76414335
MNCS_G									
5,400.00	59.51	133.01	5,251.29	286.30	391.79	1,922,436.09	2,743,509.78	36.28332272	-107.76405500
5,441.07	63.61	133.01	5,270.84	261.68	418.19	1,922,411.46	2,743,536.18	36.28325502	-107.76396548
MNCS_H									
5,450.00	64.51	133.01	5,274.75	256.19	424.06	1,922,405.98	2,743,542.06	36.28323996	-107.76394556
5,504.93	70.00	133.01	5,295.98	221.65	461.09	1,922,371.44	2,743,579.08	36.28314499	-107.76382001
POE @ 5504.93 MD 5295.98 TVD									
5,550.00	74.51	133.01	5,309.72	192.38	492.47	1,922,342.17	2,743,610.46	36.28306452	-107.76371361
5,558.20	75.33	133.01	5,311.85	186.98	498.26	1,922,336.77	2,743,616.25	36.28304968	-107.76369399
MNCS_I									
5,600.00	79.51	133.01	5,320.96	159.16	528.09	1,922,308.94	2,743,646.08	36.28297318	-107.76359285
5,650.00	84.51	133.01	5,327.91	125.39	564.28	1,922,275.18	2,743,682.27	36.28288036	-107.76347013
5,700.00	89.51	133.01	5,330.52	91.34	600.78	1,922,241.13	2,743,718.77	36.28278675	-107.76334637
5,710.10	90.52	133.01	5,330.51	84.45	608.16	1,922,234.24	2,743,726.16	36.28276781	-107.76332133
Begin 90.52° lateral									
5,800.00	90.52	133.01	5,329.70	23.13	673.90	1,922,172.92	2,743,791.89	36.28259923	-107.76309845
5,900.00	90.52	133.01	5,328.80	-45.08	747.02	1,922,104.71	2,743,865.01	36.28241170	-107.76285052
6,000.00	90.52	133.01	5,327.90	-113.29	820.14	1,922,036.50	2,743,938.13	36.28222418	-107.76260260
6,100.00	90.52	133.01	5,327.00	-181.50	893.26	1,921,968.29	2,744,011.25	36.28203665	-107.76235468
6,200.00	90.52	133.01	5,326.10	-249.71	966.38	1,921,900.08	2,744,084.37	36.28184912	-107.76210676
6,300.00	90.52	133.01	5,325.19	-317.92	1,039.50	1,921,831.87	2,744,157.49	36.28166160	-107.76185885
6,400.00	90.52	133.01	5,324.29	-386.13	1,112.62	1,921,763.66	2,744,230.61	36.28147407	-107.76161093
6,500.00	90.52	133.01	5,323.39	-454.34	1,185.74	1,921,695.45	2,744,303.73	36.28128654	-107.76136302
6,600.00	90.52	133.01	5,322.49	-522.55	1,258.86	1,921,627.23	2,744,376.85	36.28109901	-107.76111510
6,700.00	90.52	133.01	5,321.59	-590.76	1,331.98	1,921,559.02	2,744,449.97	36.28091148	-107.76086719
6,800.00	90.52	133.01	5,320.68	-658.98	1,405.10	1,921,490.81	2,744,523.09	36.28072395	-107.76061928
6,900.00	90.52	133.01	5,319.78	-727.19	1,478.21	1,921,422.60	2,744,596.21	36.28053642	-107.76037137
7,000.00	90.52	133.01	5,318.88	-795.40	1,551.33	1,921,354.39	2,744,669.33	36.28034889	-107.76012346
7,100.00	90.52	133.01	5,317.98	-863.61	1,624.45	1,921,286.18	2,744,742.44	36.28016136	-107.75987555
7,200.00	90.52	133.01	5,317.08	-931.82	1,697.57	1,921,217.97	2,744,815.56	36.27997383	-107.75962764
7,300.00	90.52	133.01	5,316.17	-1,000.03	1,770.69	1,921,149.76	2,744,888.68	36.27978630	-107.75937974
7,400.00	90.52	133.01	5,315.27	-1,068.24	1,843.81	1,921,081.55	2,744,961.80	36.27959876	-107.75913183
7,500.00	90.52	133.01	5,314.37	-1,136.45	1,916.93	1,921,013.34	2,745,034.92	36.27941123	-107.75888393
7,600.00	90.52	133.01	5,313.47	-1,204.66	1,990.05	1,920,945.13	2,745,108.04	36.27922370	-107.75863603
7,700.00	90.52	133.01	5,312.57	-1,272.87	2,063.17	1,920,876.92	2,745,181.16	36.27903616	-107.75838813
7,800.00	90.52	133.01	5,311.66	-1,341.08	2,136.29	1,920,808.71	2,745,254.28	36.27884863	-107.75814023
7,900.00	90.52	133.01	5,310.76	-1,409.29	2,209.41	1,920,740.50	2,745,327.40	36.27866109	-107.75789233
8,000.00	90.52	133.01	5,309.86	-1,477.51	2,282.53	1,920,672.29	2,745,400.52	36.27847356	-107.75764443
8,100.00	90.52	133.01	5,308.96	-1,545.72	2,355.65	1,920,604.07	2,745,473.64	36.27828602	-107.75739654
8,200.00	90.52	133.01	5,308.06	-1,613.93	2,428.77	1,920,535.86	2,745,546.76	36.27809848	-107.75714864
8,300.00	90.52	133.01	5,307.15	-1,682.14	2,501.89	1,920,467.65	2,745,619.88	36.27791095	-107.75690075
8,400.00	90.52	133.01	5,306.25	-1,750.35	2,575.01	1,920,399.44	2,745,693.00	36.27772341	-107.75665286
8,500.00	90.52	133.01	5,305.35	-1,818.56	2,648.13	1,920,331.23	2,745,766.12	36.27753587	-107.75640496
8,600.00	90.52	133.01	5,304.45	-1,886.77	2,721.25	1,920,263.02	2,745,839.24	36.27734833	-107.75615707
8,700.00	90.52	133.01	5,303.55	-1,954.98	2,794.37	1,920,194.81	2,745,912.36	36.27716079	-107.75590918
8,800.00	90.52	133.01	5,302.64	-2,023.19	2,867.49	1,920,126.60	2,745,985.48	36.27697325	-107.75566130
8,900.00	90.52	133.01	5,301.74	-2,091.40	2,940.61	1,920,058.39	2,746,058.59	36.27678571	-107.75541341
9,000.00	90.52	133.01	5,300.84	-2,159.61	3,013.73	1,919,990.18	2,746,131.71	36.27659817	-107.75516552
9,100.00	90.52	133.01	5,299.94	-2,227.82	3,086.85	1,919,921.97	2,746,204.83	36.27641063	-107.75491764
9,200.00	90.52	133.01	5,299.04	-2,296.03	3,159.97	1,919,853.76	2,746,277.95	36.27622309	-107.75466976
9,300.00	90.52	133.01	5,298.13	-2,364.25	3,233.08	1,919,785.55	2,746,351.07	36.27603554	-107.75442188
9,400.00	90.52	133.01	5,297.23	-2,432.46	3,306.20	1,919,717.34	2,746,424.19	36.27584800	-107.75417400
9,500.00	90.52	133.01	5,296.33	-2,500.67	3,379.32	1,919,649.13	2,746,497.31	36.27566046	-107.75392612

Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,600.00	90.52	133.01	5,295.43	-2,568.88	3,452.44	1,919,580.91	2,746,570.43	36.27547291	-107.75367824
9,700.00	90.52	133.01	5,294.53	-2,637.09	3,525.56	1,919,512.70	2,746,643.55	36.27528537	-107.75343036
9,800.00	90.52	133.01	5,293.62	-2,705.30	3,598.68	1,919,444.49	2,746,716.67	36.27509782	-107.75318248
9,900.00	90.52	133.01	5,292.72	-2,773.51	3,671.80	1,919,376.28	2,746,789.79	36.27491028	-107.75293461
10,000.00	90.52	133.01	5,291.82	-2,841.72	3,744.92	1,919,308.07	2,746,862.91	36.27472273	-107.75268674
10,100.00	90.52	133.01	5,290.92	-2,909.93	3,818.04	1,919,239.86	2,746,936.03	36.27453518	-107.75243886
10,200.00	90.52	133.01	5,290.02	-2,978.14	3,891.16	1,919,171.65	2,747,009.15	36.27434764	-107.75219099
10,300.00	90.52	133.01	5,289.11	-3,046.35	3,964.28	1,919,103.44	2,747,082.27	36.27416009	-107.75194312
10,400.00	90.52	133.01	5,288.21	-3,114.56	4,037.40	1,919,035.23	2,747,155.39	36.27397254	-107.75169525
10,500.00	90.52	133.01	5,287.31	-3,182.78	4,110.52	1,918,967.02	2,747,228.51	36.27378499	-107.75144739
10,600.00	90.52	133.01	5,286.41	-3,250.99	4,183.64	1,918,898.81	2,747,301.63	36.27359744	-107.75119952
10,700.00	90.52	133.01	5,285.51	-3,319.20	4,256.76	1,918,830.60	2,747,374.74	36.27340989	-107.75095165
10,800.00	90.52	133.01	5,284.60	-3,387.41	4,329.88	1,918,762.39	2,747,447.86	36.27322234	-107.75070379
10,900.00	90.52	133.01	5,283.70	-3,455.62	4,403.00	1,918,694.18	2,747,520.98	36.27303479	-107.75045593
11,000.00	90.52	133.01	5,282.80	-3,523.83	4,476.12	1,918,625.97	2,747,594.10	36.27284724	-107.75020807
11,100.00	90.52	133.01	5,281.90	-3,592.04	4,549.24	1,918,557.75	2,747,667.22	36.27265969	-107.74996021
11,200.00	90.52	133.01	5,281.00	-3,660.25	4,622.36	1,918,489.54	2,747,740.34	36.27247214	-107.74971235
11,300.00	90.52	133.01	5,280.09	-3,728.46	4,695.48	1,918,421.33	2,747,813.46	36.27228458	-107.74946449
11,400.00	90.52	133.01	5,279.19	-3,796.67	4,768.60	1,918,353.12	2,747,886.58	36.27209703	-107.74921663
11,500.00	90.52	133.01	5,278.29	-3,864.88	4,841.72	1,918,284.91	2,747,959.70	36.27190948	-107.74896878
11,600.00	90.52	133.01	5,277.39	-3,933.09	4,914.84	1,918,216.70	2,748,032.82	36.27172192	-107.74872092
11,700.00	90.52	133.01	5,276.49	-4,001.30	4,987.95	1,918,148.49	2,748,105.94	36.27153437	-107.74847307
11,800.00	90.52	133.01	5,275.58	-4,069.52	5,061.07	1,918,080.28	2,748,179.06	36.27134681	-107.74822521
11,900.00	90.52	133.01	5,274.68	-4,137.73	5,134.19	1,918,012.07	2,748,252.18	36.27115925	-107.74797736
12,000.00	90.52	133.01	5,273.78	-4,205.94	5,207.31	1,917,943.86	2,748,325.30	36.27097170	-107.74772951
12,100.00	90.52	133.01	5,272.88	-4,274.15	5,280.43	1,917,875.65	2,748,398.42	36.27078414	-107.74748167
12,200.00	90.52	133.01	5,271.98	-4,342.36	5,353.55	1,917,807.44	2,748,471.54	36.27059658	-107.74723382
12,300.00	90.52	133.01	5,271.07	-4,410.57	5,426.67	1,917,739.23	2,748,544.66	36.27040903	-107.74698597
12,400.00	90.52	133.01	5,270.17	-4,478.78	5,499.79	1,917,671.02	2,748,617.77	36.27022147	-107.74673813
12,500.00	90.52	133.01	5,269.27	-4,546.99	5,572.91	1,917,602.81	2,748,690.89	36.27003391	-107.74649028
12,600.00	90.52	133.01	5,268.37	-4,615.20	5,646.03	1,917,534.59	2,748,764.01	36.26984635	-107.74624244
12,700.00	90.52	133.01	5,267.47	-4,683.41	5,719.15	1,917,466.38	2,748,837.13	36.26965879	-107.74599460
12,800.00	90.52	133.01	5,266.56	-4,751.62	5,792.27	1,917,398.17	2,748,910.25	36.26947123	-107.74574676
12,900.00	90.52	133.01	5,265.66	-4,819.83	5,865.39	1,917,329.96	2,748,983.37	36.26928367	-107.74549892
13,000.00	90.52	133.01	5,264.76	-4,888.05	5,938.51	1,917,261.75	2,749,056.49	36.26909610	-107.74525108
13,100.00	90.52	133.01	5,263.86	-4,956.26	6,011.63	1,917,193.54	2,749,129.61	36.26890854	-107.74500324
13,200.00	90.52	133.01	5,262.96	-5,024.47	6,084.75	1,917,125.33	2,749,202.73	36.26872098	-107.74475541
13,300.00	90.52	133.01	5,262.05	-5,092.68	6,157.87	1,917,057.12	2,749,275.85	36.26853342	-107.74450757
13,400.00	90.52	133.01	5,261.15	-5,160.89	6,230.99	1,916,988.91	2,749,348.97	36.26834585	-107.74425974
13,500.00	90.52	133.01	5,260.25	-5,229.10	6,304.11	1,916,920.70	2,749,422.09	36.26815829	-107.74401191
13,600.00	90.52	133.01	5,259.35	-5,297.31	6,377.23	1,916,852.49	2,749,495.21	36.26797072	-107.74376408
13,700.00	90.52	133.01	5,258.45	-5,365.52	6,450.35	1,916,784.28	2,749,568.33	36.26778316	-107.74351625
13,800.00	90.52	133.01	5,257.54	-5,433.73	6,523.47	1,916,716.07	2,749,641.45	36.26759559	-107.74326842
13,900.00	90.52	133.01	5,256.64	-5,501.94	6,596.59	1,916,647.86	2,749,714.57	36.26740802	-107.74302059
14,000.00	90.52	133.01	5,255.74	-5,570.15	6,669.71	1,916,579.65	2,749,787.69	36.26722046	-107.74277277
14,100.00	90.52	133.01	5,254.84	-5,638.36	6,742.82	1,916,511.43	2,749,860.81	36.26703289	-107.74252494
14,200.00	90.52	133.01	5,253.94	-5,706.57	6,815.94	1,916,443.22	2,749,933.92	36.26684532	-107.74227712
14,300.00	90.52	133.01	5,253.03	-5,774.79	6,889.06	1,916,375.01	2,750,007.04	36.26665775	-107.74202930
14,400.00	90.52	133.01	5,252.13	-5,843.00	6,962.18	1,916,306.80	2,750,080.16	36.26647018	-107.74178147
14,500.00	90.52	133.01	5,251.23	-5,911.21	7,035.30	1,916,238.59	2,750,153.28	36.26628262	-107.74153365
14,600.00	90.52	133.01	5,250.33	-5,979.42	7,108.42	1,916,170.38	2,750,226.40	36.26609505	-107.74128583
14,700.00	90.52	133.01	5,249.43	-6,047.63	7,181.54	1,916,102.17	2,750,299.52	36.26590747	-107.74103802
14,800.00	90.52	133.01	5,248.52	-6,115.84	7,254.66	1,916,033.96	2,750,372.64	36.26571990	-107.74079020
14,900.00	90.52	133.01	5,247.62	-6,184.05	7,327.78	1,915,965.75	2,750,445.76	36.26553233	-107.74054238
15,000.00	90.52	133.01	5,246.72	-6,252.26	7,400.90	1,915,897.54	2,750,518.88	36.26534476	-107.74029457

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Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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
15,100.00	90.52	133.01	5,245.82	-6,320.47	7,474.02	1,915,829.33	2,750,592.00	36.26515719	-107.74004676
15,200.00	90.52	133.01	5,244.92	-6,388.68	7,547.14	1,915,761.12	2,750,665.12	36.26496961	-107.73979895
15,300.00	90.52	133.01	5,244.01	-6,456.89	7,620.26	1,915,692.91	2,750,738.24	36.26478204	-107.73955113
15,400.00	90.52	133.01	5,243.11	-6,525.10	7,693.38	1,915,624.70	2,750,811.36	36.26459447	-107.73930333
15,500.00	90.52	133.01	5,242.21	-6,593.32	7,766.50	1,915,556.49	2,750,884.48	36.26440689	-107.73905552
15,600.00	90.52	133.01	5,241.31	-6,661.53	7,839.62	1,915,488.27	2,750,957.60	36.26421932	-107.73880771
15,700.00	90.52	133.01	5,240.41	-6,729.74	7,912.74	1,915,420.06	2,751,030.72	36.26403174	-107.73855990
15,800.00	90.52	133.01	5,239.50	-6,797.95	7,985.86	1,915,351.85	2,751,103.84	36.26384416	-107.73831210
15,900.00	90.52	133.01	5,238.60	-6,866.16	8,058.98	1,915,283.64	2,751,176.96	36.26365659	-107.73806430
16,000.00	90.52	133.01	5,237.70	-6,934.37	8,132.10	1,915,215.43	2,751,250.07	36.26346901	-107.73781649
16,100.00	90.52	133.01	5,236.80	-7,002.58	8,205.22	1,915,147.22	2,751,323.19	36.26328143	-107.73756869
16,200.00	90.52	133.01	5,235.90	-7,070.79	8,278.34	1,915,079.01	2,751,396.31	36.26309385	-107.73732089
16,300.00	90.52	133.01	5,234.99	-7,139.00	8,351.46	1,915,010.80	2,751,469.43	36.26290628	-107.73707309
16,400.00	90.52	133.01	5,234.09	-7,207.21	8,424.58	1,914,942.59	2,751,542.55	36.26271870	-107.73682529
16,500.00	90.52	133.01	5,233.19	-7,275.42	8,497.69	1,914,874.38	2,751,615.67	36.26253112	-107.73657750
16,600.00	90.52	133.01	5,232.29	-7,343.63	8,570.81	1,914,806.17	2,751,688.79	36.26234354	-107.73632970
16,700.00	90.52	133.01	5,231.39	-7,411.84	8,643.93	1,914,737.96	2,751,761.91	36.26215596	-107.73608191
16,800.00	90.52	133.01	5,230.48	-7,480.06	8,717.05	1,914,669.75	2,751,835.03	36.26196837	-107.73583412
16,900.00	90.52	133.01	5,229.58	-7,548.27	8,790.17	1,914,601.54	2,751,908.15	36.26178079	-107.73558632
17,000.00	90.52	133.01	5,228.68	-7,616.48	8,863.29	1,914,533.33	2,751,981.27	36.26159321	-107.73533853
17,100.00	90.52	133.01	5,227.78	-7,684.69	8,936.41	1,914,465.11	2,752,054.39	36.26140563	-107.73509074
17,200.00	90.52	133.01	5,226.88	-7,752.90	9,009.53	1,914,396.90	2,752,127.51	36.26121804	-107.73484296
17,300.00	90.52	133.01	5,225.97	-7,821.11	9,082.65	1,914,328.69	2,752,200.63	36.26103046	-107.73459517
17,400.00	90.52	133.01	5,225.07	-7,889.32	9,155.77	1,914,260.48	2,752,273.75	36.26084287	-107.73434738
17,500.00	90.52	133.01	5,224.17	-7,957.53	9,228.89	1,914,192.27	2,752,346.87	36.26065529	-107.73409960
17,600.00	90.52	133.01	5,223.27	-8,025.74	9,302.01	1,914,124.06	2,752,419.99	36.26046770	-107.73385182
17,700.00	90.52	133.01	5,222.37	-8,093.95	9,375.13	1,914,055.85	2,752,493.11	36.26028012	-107.73360403
17,800.00	90.52	133.01	5,221.46	-8,162.16	9,448.25	1,913,987.64	2,752,566.22	36.26009253	-107.73335625
17,900.00	90.52	133.01	5,220.56	-8,230.37	9,521.37	1,913,919.43	2,752,639.34	36.25990494	-107.73310847
17,962.34	90.52	133.01	5,220.00	-8,272.90	9,566.95	1,913,876.91	2,752,684.93	36.25978800	-107.73295400
PBHL @ 17962.34 MD 5220.00 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 217H vert - plan hits target center - Point	0.00	0.00	4,500.00	478.81	185.42	1,922,628.60	2,743,303.41	36.28385196	-107.76475474
Nageezi 217H BHL 137 - plan hits target center - Point	0.00	0.00	5,220.00	-8,272.90	9,566.95	1,913,876.91	2,752,684.93	36.25978800	-107.73295400
Nageezi 217H PPP/POE - plan misses target center by 3.78ft at 5506.15ft MD (5296.40 TVD, 220.87 N, 461.93 E) - Point	0.00	0.00	5,300.00	221.66	461.09	1,922,371.44	2,743,579.09	36.28314500	-107.76382000
Nageezi 217H 0 VS - plan misses target center by 118.53ft at 5367.74ft MD (5234.15 TVD, 304.94 N, 371.81 E) - Point	0.00	0.00	5,334.00	348.51	325.10	1,922,498.30	2,743,443.09	36.28349375	-107.76428112

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Planning Report - Geographic

Database:	DT_Jan1924v17	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13-3/8" Surface Casing	13-3/8	17-1/2
3,299.79	3,271.00	9-5/8" Intermediate Casing	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
831.00	831.00	Ojo Alamo		-0.52	133.01
956.00	956.00	Kirtland		-0.52	133.01
1,246.00	1,246.00	Fruitland		-0.52	133.01
1,591.04	1,591.01	Pictured Cliffs		-0.52	133.01
1,701.41	1,701.04	Lewis		-0.52	133.01
2,006.04	2,001.21	Chacra_A		-0.52	133.01
3,117.34	3,091.93	Cliff House_Basal		-0.52	133.01
3,147.92	3,121.95	Menefee		-0.52	133.01
4,104.25	4,060.57	Point Lookout		-0.52	133.01
4,309.42	4,262.68	Mancos		-0.52	133.01
4,668.09	4,620.73	MNCS_A		-0.52	133.01
4,751.09	4,703.73	MNCS_B		-0.52	133.01
4,855.13	4,807.71	MNCS_C		-0.52	133.01
4,902.48	4,854.66	MNCS_Cms		-0.52	133.01
5,026.16	4,973.35	MNCS_D		-0.52	133.01
5,149.58	5,081.82	MNCS_E		-0.52	133.01
5,239.01	5,151.31	MNCS_F		-0.52	133.01
5,357.69	5,228.50	MNCS_G		-0.52	133.01
5,441.07	5,270.84	MNCS_H		-0.52	133.01
5,558.20	5,311.85	MNCS_I		-0.52	133.01

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,500.00	1,500.00	0.00	0.00	KOP Begin 3°/100' build
1,868.13	1,865.86	32.98	12.77	Begin 11.04° tangent
4,179.22	4,134.14	445.83	172.65	Begin 3°/100' drop
4,547.35	4,500.00	478.81	185.42	Begin vertical hold
4,804.93	4,757.58	478.81	185.42	Begin 10°/100' build
5,504.93	5,295.98	221.65	461.09	POE @ 5504.93 MD 5295.98 TVD
5,710.10	5,330.51	84.45	608.16	Begin 90.52° lateral
17,962.34	5,220.00	-8,272.90	9,566.95	PBHL @ 17962.34 MD 5220.00 TVD

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Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 1,996.23ft	**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	17,962.34	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	1,200.00	1,200.00	59.81	51.38	7.099	CC, ES
Nageezi Unit 213H - Original Hole - rev0	5,500.00	5,509.00	99.28	58.12	2.412	SF
Nageezi Unit 214H - Original Hole - rev0	1,345.17	1,347.08	94.78	85.31	10.011	CC, ES
Nageezi Unit 214H - Original Hole - rev0	1,500.00	1,496.85	100.68	90.10	9.512	SF
Nageezi Unit 215H - Original Hole - rev0	1,294.82	1,296.00	32.46	23.38	3.574	CC
Nageezi Unit 215H - Original Hole - rev0	1,300.00	1,301.12	32.47	23.35	3.561	ES, SF
Nageezi Unit 216H - Original Hole - rev0	1,369.90	1,372.26	71.24	61.59	7.385	CC, ES
Nageezi Unit 216H - Original Hole - rev0	1,400.00	1,401.69	71.49	61.63	7.248	SF
Nageezi Unit 218H - Original Hole - rev0	500.00	500.00	19.75	16.34	5.799	CC, ES
Nageezi Unit 218H - Original Hole - rev0	16,900.00	15,467.26	1,196.45	668.10	2.264	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	22.26	55.35	22.66	59.81				
100.00	100.00	100.00	100.00	0.27	0.27	22.26	55.35	22.66	59.81	59.27	0.54	111.222	
200.00	200.00	200.00	200.00	0.63	0.63	22.26	55.35	22.66	59.81	58.55	1.25	47.667	
300.00	300.00	300.00	300.00	0.99	0.99	22.26	55.35	22.66	59.81	57.83	1.97	30.333	
400.00	400.00	400.00	400.00	1.34	1.34	22.26	55.35	22.66	59.81	57.12	2.69	22.244	
500.00	500.00	500.00	500.00	1.70	1.70	22.26	55.35	22.66	59.81	56.40	3.41	17.561	
600.00	600.00	600.00	600.00	2.06	2.06	22.26	55.35	22.66	59.81	55.68	4.12	14.507	
700.00	700.00	700.00	700.00	2.42	2.42	22.26	55.35	22.66	59.81	54.97	4.84	12.358	
800.00	800.00	800.00	800.00	2.78	2.78	22.26	55.35	22.66	59.81	54.25	5.56	10.763	
900.00	900.00	900.00	900.00	3.14	3.14	22.26	55.35	22.66	59.81	53.53	6.27	9.533	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	22.26	55.35	22.66	59.81	52.81	6.99	8.556	
1,100.00	1,100.00	1,100.00	1,100.00	3.85	3.85	22.26	55.35	22.66	59.81	52.10	7.71	7.760	
1,200.00	1,200.00	1,200.00	1,200.00	4.21	4.21	22.26	55.35	22.66	59.81	51.38	8.42	7.099	CC, ES
1,300.00	1,300.00	1,298.69	1,298.64	4.57	4.56	24.46	55.40	25.20	60.87	51.75	9.13	6.670	
1,400.00	1,400.00	1,396.85	1,396.50	4.93	4.90	30.56	55.54	32.79	64.59	54.77	9.82	6.580	
1,500.00	1,500.00	1,493.98	1,492.82	5.29	5.25	39.04	55.77	45.23	72.16	61.68	10.48	6.883	
1,600.00	1,599.95	1,589.76	1,587.06	5.65	5.60	27.47	56.09	62.28	82.50	71.39	11.11	7.424	

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 217H
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 217H	**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)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,700.00	1,699.63	1,684.15	1,678.99	6.00	5.98	37.84	56.49	83.67	94.83	83.15	11.68	8.118	
1,800.00	1,798.77	1,781.42	1,773.22	6.36	6.39	48.13	56.94	107.77	108.32	95.99	12.33	8.787	
1,900.00	1,897.13	1,878.40	1,867.18	6.73	6.82	57.83	57.38	131.79	122.03	109.03	13.00	9.385	
2,000.00	1,995.28	1,975.29	1,961.05	7.11	7.26	66.07	57.83	155.78	138.20	124.49	13.72	10.075	
2,100.00	2,093.43	2,072.17	2,054.91	7.50	7.71	72.53	58.28	179.78	156.64	142.17	14.47	10.828	
2,200.00	2,191.58	2,169.06	2,148.78	7.90	8.18	77.62	58.73	203.78	176.63	161.39	15.24	11.591	
2,300.00	2,289.73	2,265.94	2,242.64	8.31	8.65	81.66	59.17	227.78	197.70	181.67	16.03	12.332	
2,400.00	2,387.87	2,362.83	2,336.50	8.72	9.13	84.93	59.62	251.77	219.55	202.71	16.84	13.038	
2,500.00	2,486.02	2,459.71	2,430.37	9.14	9.61	87.60	60.07	275.77	241.96	224.30	17.66	13.702	
2,600.00	2,584.17	2,556.60	2,524.23	9.57	10.10	89.82	60.52	299.77	264.79	246.30	18.49	14.322	
2,700.00	2,682.32	2,653.48	2,618.10	9.99	10.59	91.69	60.96	323.77	287.94	268.61	19.33	14.899	
2,800.00	2,780.47	2,750.36	2,711.96	10.42	11.09	93.28	61.41	347.76	311.34	291.17	20.17	15.436	
2,900.00	2,878.61	2,847.25	2,805.83	10.86	11.59	94.65	61.86	371.76	334.93	313.91	21.02	15.934	
3,000.00	2,976.76	2,944.13	2,899.69	11.30	12.09	95.84	62.31	395.76	358.69	336.81	21.88	16.397	
3,100.00	3,074.91	3,041.02	2,993.56	11.73	12.60	96.89	62.75	419.75	382.57	359.83	22.73	16.827	
3,200.00	3,173.06	3,137.90	3,087.42	12.18	13.11	97.81	63.20	443.75	406.56	382.96	23.60	17.228	
3,300.00	3,271.21	3,234.79	3,181.29	12.62	13.62	98.62	63.65	467.75	430.63	406.17	24.46	17.602	
3,400.00	3,369.35	3,331.67	3,275.15	13.06	14.13	99.35	64.10	491.75	454.78	429.45	25.33	17.951	
3,500.00	3,467.50	3,428.56	3,369.02	13.51	14.65	100.01	64.54	515.74	479.00	452.79	26.21	18.277	
3,600.00	3,565.65	3,525.44	3,462.88	13.96	15.16	100.61	64.99	539.74	503.26	476.18	27.08	18.583	
3,700.00	3,663.80	3,622.33	3,556.74	14.41	15.68	101.15	65.44	563.74	527.58	499.62	27.96	18.869	
3,800.00	3,761.95	3,719.21	3,650.61	14.86	16.20	101.64	65.89	587.73	551.93	523.09	28.84	19.138	
3,900.00	3,860.10	3,816.10	3,744.47	15.31	16.71	102.09	66.33	611.73	576.32	546.60	29.72	19.391	
4,000.00	3,958.24	3,912.98	3,838.34	15.76	17.23	102.50	66.78	635.73	600.74	570.14	30.60	19.630	
4,100.00	4,056.39	4,009.86	3,932.20	16.22	17.75	102.89	67.23	659.73	625.19	593.70	31.49	19.855	
4,200.00	4,154.56	4,106.76	4,026.08	16.67	18.28	103.38	67.68	683.73	649.63	617.26	32.37	20.067	
4,300.00	4,253.34	4,203.91	4,120.20	17.10	18.80	104.10	68.13	707.79	673.27	640.05	33.22	20.266	
4,400.00	4,352.79	4,338.40	4,251.46	17.49	19.47	104.33	68.67	736.95	693.27	658.90	34.36	20.176	
4,500.00	4,452.65	4,478.77	4,390.29	17.84	20.07	104.27	69.05	757.47	706.28	670.91	35.36	19.972	
4,600.00	4,552.65	4,621.14	4,532.25	18.16	20.57	125.12	69.25	767.81	712.28	676.10	36.18	19.686	
4,700.00	4,652.65	5,880.74	5,335.85	18.48	24.00	45.06	548.69	255.44	690.32	674.26	16.06	42.972	
4,800.00	4,752.65	5,881.25	5,335.85	18.80	24.00	44.76	549.04	255.06	591.53	575.21	16.32	36.249	
4,900.00	4,852.21	5,873.89	5,335.81	19.09	23.93	-128.06	544.01	260.44	493.61	476.98	16.63	29.679	
5,000.00	4,948.90	5,849.37	5,335.69	19.33	23.70	-142.16	527.28	278.37	399.22	382.18	17.04	23.428	
5,100.00	5,039.78	5,808.41	5,335.48	19.53	23.33	-145.59	499.33	308.31	311.78	294.03	17.76	17.558	
5,200.00	5,122.08	5,754.66	5,335.17	19.70	22.92	-144.11	462.65	347.60	234.89	215.61	19.28	12.182	
5,300.00	5,193.31	5,661.75	5,328.22	19.84	22.42	-131.95	399.51	415.25	168.56	145.79	22.77	7.402	
5,400.00	5,251.29	5,581.57	5,310.27	19.99	22.14	-112.88	346.23	472.33	116.43	85.00	31.43	3.705	
5,485.31	5,288.96	5,519.30	5,288.92	20.26	22.01	-89.97	306.33	515.06	98.74	58.08	40.65	2.429	
5,500.00	5,294.28	5,509.00	5,284.78	20.34	21.99	-85.70	299.90	521.96	99.28	58.12	41.15	2.412 SF	
5,600.00	5,320.96	5,441.29	5,253.43	21.03	21.91	-59.12	258.97	565.79	126.28	89.11	37.17	3.397	
5,700.00	5,330.52	5,376.86	5,217.22	21.99	21.86	-41.25	222.63	604.73	173.46	139.17	34.29	5.059	
5,800.00	5,329.70	5,318.05	5,179.15	23.12	21.82	-33.02	192.07	637.47	229.20	195.13	34.07	6.727	
5,900.00	5,328.80	5,268.58	5,143.71	24.43	21.80	-27.82	168.53	662.68	294.96	260.28	34.68	8.505	
6,000.00	5,327.90	5,226.99	5,111.70	25.87	21.77	-24.28	150.42	682.08	367.89	332.39	35.50	10.364	
6,100.00	5,327.00	5,200.00	5,089.93	27.44	21.76	-22.32	139.54	693.74	446.17	409.56	36.61	12.186	
6,200.00	5,326.10	5,162.08	5,058.14	29.11	21.73	-19.94	125.45	708.83	528.09	491.13	36.96	14.288	
6,300.00	5,325.19	5,136.58	5,036.02	30.86	21.71	-18.55	116.80	718.10	613.11	575.58	37.53	16.337	
6,400.00	5,324.29	5,114.60	5,016.51	32.68	21.69	-17.47	109.88	725.51	700.44	662.44	38.00	18.433	
6,500.00	5,323.39	5,100.00	5,003.34	34.56	21.68	-16.81	105.58	730.12	789.64	751.16	38.47	20.525	
6,600.00	5,322.49	5,078.81	4,983.96	36.49	21.65	-15.92	99.73	736.38	880.24	841.53	38.71	22.739	
6,700.00	5,321.59	5,050.00	4,957.13	38.46	21.62	-14.83	92.59	744.04	972.35	933.56	38.79	25.067	

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 217H
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 217H	**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)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,800.00	5,320.68	5,050.00	4,957.13	40.47	21.62	-14.83	92.59	744.04	1,064.90	1,025.70	39.20	27.168	
6,900.00	5,319.78	5,050.00	4,957.13	42.51	21.62	-14.83	92.59	744.04	1,158.69	1,119.18	39.51	29.328	
7,000.00	5,318.88	5,029.02	4,937.27	44.58	21.59	-14.11	87.96	748.99	1,252.88	1,213.31	39.57	31.665	
7,100.00	5,317.98	5,019.63	4,928.31	46.67	21.58	-13.81	86.06	751.03	1,347.80	1,308.09	39.71	33.940	
7,200.00	5,317.08	5,000.00	4,909.43	48.79	21.55	-13.21	82.39	754.96	1,443.37	1,403.62	39.76	36.305	
7,300.00	5,316.17	5,000.00	4,909.43	50.92	21.55	-13.21	82.39	754.96	1,539.09	1,499.16	39.93	38.547	
7,400.00	5,315.27	5,000.00	4,909.43	53.07	21.55	-13.21	82.39	754.96	1,635.32	1,595.25	40.07	40.810	
7,500.00	5,314.37	5,000.00	4,909.43	55.23	21.55	-13.21	82.39	754.96	1,731.98	1,691.78	40.19	43.091	
7,600.00	5,313.47	5,000.00	4,909.43	57.40	21.55	-13.21	82.39	754.96	1,828.99	1,788.70	40.30	45.386	
7,700.00	5,312.57	4,978.49	4,888.54	59.59	21.51	-12.61	78.89	758.71	1,925.79	1,885.50	40.29	47.797	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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	22.16	92.49	37.66	99.86				
100.00	100.00	100.00	100.00	0.27	0.27	22.16	92.49	37.66	99.86	99.32	0.54	185.719	
200.00	200.00	200.00	200.00	0.63	0.63	22.16	92.49	37.66	99.86	98.61	1.25	79.594	
300.00	300.00	300.00	300.00	0.99	0.99	22.16	92.49	37.66	99.86	97.89	1.97	50.651	
400.00	400.00	400.00	400.00	1.34	1.34	22.16	92.49	37.66	99.86	97.17	2.69	37.144	
500.00	500.00	500.00	500.00	1.70	1.70	22.16	92.49	37.66	99.86	96.46	3.41	29.324	
600.00	600.00	600.00	600.00	2.06	2.06	22.16	92.49	37.66	99.86	95.74	4.12	24.224	
700.00	700.00	700.00	700.00	2.42	2.42	22.16	92.49	37.66	99.86	95.02	4.84	20.635	
800.00	800.00	800.00	800.00	2.78	2.78	22.16	92.49	37.66	99.86	94.31	5.56	17.973	
900.00	900.00	900.00	900.00	3.14	3.14	22.16	92.49	37.66	99.86	93.59	6.27	15.919	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	22.16	92.49	37.66	99.86	92.87	6.99	14.286	
1,100.00	1,100.00	1,101.58	1,101.53	3.85	3.85	20.67	92.67	34.97	99.06	91.35	7.70	12.857	
1,200.00	1,200.00	1,202.59	1,202.21	4.21	4.20	16.13	93.20	26.95	97.04	88.63	8.41	11.533	
1,300.00	1,300.00	1,302.47	1,301.21	4.57	4.57	8.35	94.07	13.81	95.09	85.95	9.13	10.409	
1,345.17	1,345.17	1,347.08	1,345.17	4.73	4.74	3.80	94.57	6.28	94.78	85.31	9.47	10.011	CC, ES
1,400.00	1,400.00	1,400.71	1,397.78	4.93	4.94	-2.48	95.26	-4.13	95.38	85.51	9.87	9.667	
1,500.00	1,500.00	1,496.85	1,491.27	5.29	5.34	-15.30	96.75	-26.46	100.68	90.10	10.58	9.512	SF
1,600.00	1,599.95	1,590.21	1,580.86	5.65	5.76	-49.96	98.48	-52.61	111.61	100.39	11.22	9.944	
1,700.00	1,699.63	1,679.91	1,665.64	6.00	6.21	-63.19	100.42	-81.83	129.25	117.52	11.73	11.018	
1,800.00	1,798.77	1,765.34	1,745.02	6.36	6.69	-74.64	102.51	-113.31	155.63	143.50	12.13	12.834	
1,900.00	1,897.13	1,846.11	1,818.70	6.73	7.20	-84.01	104.70	-146.31	191.12	178.64	12.48	15.314	
2,000.00	1,995.28	1,923.01	1,887.50	7.11	7.71	-91.37	106.98	-180.59	234.87	222.01	12.85	18.274	
2,100.00	2,093.43	2,006.32	1,961.14	7.50	8.34	-97.11	109.56	-219.46	283.50	270.04	13.46	21.056	
2,200.00	2,191.58	2,090.40	2,035.46	7.90	8.99	-101.29	112.17	-258.69	333.84	319.71	14.13	23.620	
2,300.00	2,289.73	2,174.48	2,109.78	8.31	9.67	-104.40	114.77	-297.92	385.21	370.38	14.83	25.975	
2,400.00	2,387.87	2,258.56	2,184.10	8.72	10.37	-106.80	117.38	-337.15	437.25	421.70	15.54	28.128	
2,500.00	2,486.02	2,342.64	2,258.43	9.14	11.08	-108.70	119.98	-376.39	489.74	473.47	16.28	30.091	
2,600.00	2,584.17	2,426.73	2,332.75	9.57	11.80	-110.24	122.59	-415.62	542.56	525.54	17.02	31.881	
2,700.00	2,682.32	2,510.81	2,407.07	9.99	12.53	-111.51	125.19	-454.85	595.61	577.84	17.77	33.517	
2,800.00	2,780.47	2,594.89	2,481.39	10.42	13.27	-112.58	127.80	-494.08	648.84	630.31	18.53	35.012	
2,900.00	2,878.61	2,678.97	2,555.71	10.86	14.01	-113.48	130.40	-533.32	702.21	682.90	19.30	36.381	
3,000.00	2,976.76	2,763.05	2,630.03	11.30	14.77	-114.26	133.01	-572.55	755.68	735.61	20.08	37.640	
3,100.00	3,074.91	2,847.13	2,704.35	11.73	15.52	-114.94	135.61	-611.78	809.25	788.39	20.86	38.798	
3,200.00	3,173.06	2,931.21	2,778.67	12.18	16.28	-115.53	138.22	-651.01	862.88	841.24	21.64	39.866	
3,300.00	3,271.21	3,015.29	2,852.99	12.62	17.05	-116.06	140.82	-690.25	916.58	894.14	22.44	40.852	
3,400.00	3,369.35	3,099.37	2,927.31	13.06	17.82	-116.52	143.43	-729.48	970.32	947.09	23.23	41.766	
3,500.00	3,467.50	3,183.45	3,001.63	13.51	18.59	-116.94	146.03	-768.71	1,024.10	1,000.07	24.03	42.614	
3,600.00	3,565.65	3,267.53	3,075.96	13.96	19.36	-117.32	148.64	-807.95	1,077.92	1,053.09	24.83	43.404	
3,700.00	3,663.80	3,351.61	3,150.28	14.41	20.14	-117.66	151.24	-847.18	1,131.77	1,106.13	25.64	44.140	
3,800.00	3,761.95	3,435.69	3,224.60	14.86	20.92	-117.97	153.85	-886.41	1,185.65	1,159.20	26.45	44.828	
3,900.00	3,860.10	3,519.78	3,298.92	15.31	21.70	-118.25	156.45	-925.64	1,239.54	1,212.28	27.26	45.472	
4,000.00	3,958.24	3,603.86	3,373.24	15.76	22.48	-118.51	159.06	-964.88	1,293.46	1,265.39	28.07	46.075	
4,100.00	4,056.39	3,687.94	3,447.56	16.22	23.26	-118.75	161.66	-1,004.11	1,347.39	1,318.51	28.89	46.641	
4,200.00	4,154.56	3,772.05	3,521.91	16.67	24.04	-119.31	164.27	-1,043.36	1,401.30	1,371.59	29.71	47.173	
4,300.00	4,253.34	3,857.20	3,597.18	17.10	24.84	-120.96	166.91	-1,083.09	1,453.70	1,423.20	30.50	47.657	
4,400.00	4,352.79	3,943.67	3,673.61	17.49	25.65	-122.29	169.59	-1,123.44	1,503.80	1,472.52	31.27	48.088	
4,500.00	4,452.65	4,031.23	3,751.00	17.84	26.47	-123.33	172.30	-1,164.29	1,551.48	1,519.47	32.01	48.469	
4,600.00	4,552.65	4,478.32	4,166.77	18.16	29.76	-101.08	183.01	-1,325.57	1,587.29	1,551.53	35.76	44.386	
4,700.00	4,652.65	4,943.87	4,627.14	18.48	31.46	-100.52	187.04	-1,386.27	1,598.74	1,561.18	37.56	42.561	
4,800.00	4,752.65	5,062.91	4,746.17	18.80	31.69	-100.51	187.06	-1,386.58	1,598.86	1,560.69	38.17	41.887	
4,900.00	4,852.21	5,100.00	4,783.23	19.09	31.77	126.03	187.85	-1,387.48	1,605.76	1,567.07	38.69	41.506	
5,000.00	4,948.90	5,150.00	4,832.92	19.33	31.92	124.82	191.42	-1,391.54	1,626.92	1,587.85	39.07	41.639	

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 217H
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 217H	**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)	Rule Assigned: Minimum Separation (ft)	Separation Factor	Warning
5,100.00	5,039.78	5,150.00	4,832.92	19.53	31.92	121.75	191.42	-1,391.54	1,661.31	1,622.11	39.20	42.384	
5,200.00	5,122.08	5,200.00	4,881.95	19.70	32.12	118.36	197.84	-1,398.83	1,707.83	1,668.47	39.37	43.382	
5,300.00	5,193.31	5,200.00	4,881.95	19.84	32.12	112.07	197.84	-1,398.83	1,764.82	1,725.51	39.30	44.903	
5,400.00	5,251.29	5,200.00	4,881.95	19.99	32.12	103.79	197.84	-1,398.83	1,830.45	1,791.23	39.23	46.664	
5,500.00	5,294.28	5,221.24	4,902.49	20.34	32.22	94.61	201.42	-1,402.90	1,901.55	1,862.24	39.31	48.373	
5,600.00	5,320.96	5,221.08	4,902.34	21.03	32.22	83.38	201.39	-1,402.87	1,976.26	1,936.90	39.36	50.211	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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	22.20	36.78	15.01	39.72				
100.00	100.00	100.00	100.00	0.27	0.27	22.20	36.78	15.01	39.72	39.18	0.54	73.870	
200.00	200.00	200.00	200.00	0.63	0.63	22.20	36.78	15.01	39.72	38.47	1.25	31.659	
300.00	300.00	300.00	300.00	0.99	0.99	22.20	36.78	15.01	39.72	37.75	1.97	20.146	
400.00	400.00	400.00	400.00	1.34	1.34	22.20	36.78	15.01	39.72	37.03	2.69	14.774	
500.00	500.00	500.00	500.00	1.70	1.70	22.20	36.78	15.01	39.72	36.32	3.41	11.664	
600.00	600.00	600.00	600.00	2.06	2.06	22.20	36.78	15.01	39.72	35.60	4.12	9.635	
700.00	700.00	700.00	700.00	2.42	2.42	22.20	36.78	15.01	39.72	34.88	4.84	8.208	
800.00	800.00	800.00	800.00	2.78	2.78	22.20	36.78	15.01	39.72	34.16	5.56	7.149	
900.00	900.00	900.00	900.00	3.14	3.14	22.20	36.78	15.01	39.72	33.45	6.27	6.332	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	22.20	36.78	15.01	39.72	32.73	6.99	5.682	
1,100.00	1,100.00	1,101.12	1,101.07	3.85	3.85	18.92	36.18	12.40	38.26	30.56	7.70	4.969	
1,200.00	1,200.00	1,201.67	1,201.30	4.21	4.19	7.69	34.38	4.64	34.72	26.32	8.40	4.133	
1,294.82	1,294.82	1,296.00	1,294.82	4.55	4.53	-13.00	31.63	-7.30	32.46	23.38	9.08	3.574	CC
1,300.00	1,300.00	1,301.12	1,299.87	4.57	4.55	-14.40	31.45	-8.08	32.47	23.35	9.12	3.561	ES, SF
1,400.00	1,400.00	1,398.95	1,396.05	4.93	4.92	-42.84	27.44	-25.45	37.63	27.84	9.79	3.845	
1,500.00	1,500.00	1,494.70	1,489.18	5.29	5.31	-64.51	22.45	-47.07	53.26	42.91	10.36	5.144	
1,600.00	1,599.95	1,587.50	1,578.28	5.65	5.73	-99.35	16.61	-72.35	77.74	66.87	10.87	7.153	
1,700.00	1,699.63	1,676.18	1,662.14	6.00	6.17	-108.81	10.13	-100.41	110.73	99.38	11.36	9.751	
1,800.00	1,798.77	1,760.01	1,740.11	6.36	6.63	-115.14	3.21	-130.40	151.93	140.10	11.83	12.842	
1,900.00	1,897.13	1,838.55	1,811.87	6.73	7.12	-119.75	-3.97	-161.51	200.59	188.29	12.30	16.313	
2,000.00	1,995.28	1,913.95	1,879.47	7.11	7.62	-123.40	-11.47	-194.02	254.28	241.52	12.76	19.925	
2,100.00	2,093.43	1,996.36	1,952.79	7.50	8.21	-126.06	-19.93	-230.68	309.87	296.44	13.42	23.083	
2,200.00	2,191.58	2,078.77	2,026.11	7.90	8.83	-127.91	-28.40	-267.34	365.78	351.68	14.10	25.943	
2,300.00	2,289.73	2,161.18	2,099.43	8.31	9.47	-129.28	-36.86	-304.00	421.89	407.10	14.79	28.533	
2,400.00	2,387.87	2,243.59	2,172.75	8.72	10.13	-130.32	-45.32	-340.67	478.12	462.64	15.48	30.882	
2,500.00	2,486.02	2,326.00	2,246.07	9.14	10.80	-131.15	-53.78	-377.33	534.44	518.25	16.19	33.019	
2,600.00	2,584.17	2,408.41	2,319.39	9.57	11.48	-131.82	-62.25	-413.99	590.82	573.93	16.90	34.966	
2,700.00	2,682.32	2,490.82	2,392.71	9.99	12.17	-132.37	-70.71	-450.65	647.25	629.64	17.62	36.743	
2,800.00	2,780.47	2,573.23	2,466.03	10.42	12.86	-132.84	-79.17	-487.31	703.71	685.37	18.34	38.372	
2,900.00	2,878.61	2,655.64	2,539.35	10.86	13.57	-133.24	-87.63	-523.97	760.20	741.14	19.07	39.866	
3,000.00	2,976.76	2,738.05	2,612.67	11.30	14.27	-133.58	-96.10	-560.63	816.72	796.91	19.80	41.241	
3,100.00	3,074.91	2,820.46	2,685.98	11.73	14.99	-133.87	-104.56	-597.29	873.25	852.70	20.54	42.511	
3,200.00	3,173.06	2,902.87	2,759.30	12.18	15.71	-134.14	-113.02	-633.95	929.79	908.50	21.28	43.686	
3,300.00	3,271.21	2,985.28	2,832.62	12.62	16.43	-134.37	-121.48	-670.61	986.34	964.31	22.03	44.775	
3,400.00	3,369.35	3,067.69	2,905.94	13.06	17.15	-134.57	-129.95	-707.27	1,042.91	1,020.13	22.78	45.786	
3,500.00	3,467.50	3,150.10	2,979.26	13.51	17.88	-134.76	-138.41	-743.94	1,099.48	1,075.95	23.53	46.727	
3,600.00	3,565.65	3,232.50	3,052.58	13.96	18.61	-134.93	-146.87	-780.60	1,156.06	1,131.78	24.28	47.605	
3,700.00	3,663.80	3,314.91	3,125.90	14.41	19.34	-135.08	-155.33	-817.26	1,212.65	1,187.60	25.04	48.426	
3,800.00	3,761.95	3,397.32	3,199.22	14.86	20.07	-135.22	-163.80	-853.92	1,269.24	1,243.44	25.80	49.195	
3,900.00	3,860.10	3,479.73	3,272.54	15.31	20.81	-135.34	-172.26	-890.58	1,325.83	1,299.27	26.56	49.915	
4,000.00	3,958.24	3,562.14	3,345.86	15.76	21.54	-135.46	-180.72	-927.24	1,382.43	1,355.11	27.33	50.592	
4,100.00	4,056.39	3,644.55	3,419.18	16.22	22.28	-135.56	-189.18	-963.90	1,439.03	1,410.94	28.09	51.229	
4,200.00	4,154.56	3,727.01	3,492.54	16.67	23.02	-135.96	-197.65	-1,000.58	1,495.57	1,466.72	28.86	51.828	
4,300.00	4,253.34	3,810.92	3,567.19	17.10	23.77	-137.27	-206.27	-1,037.91	1,549.95	1,520.34	29.61	52.338	
4,400.00	4,352.79	3,896.76	3,643.56	17.49	24.54	-138.30	-215.08	-1,076.10	1,601.07	1,570.71	30.36	52.736	
4,500.00	4,452.65	3,984.30	3,721.45	17.84	25.33	-139.08	-224.07	-1,115.04	1,648.81	1,617.72	31.09	53.029	
4,600.00	4,552.65	4,073.11	3,800.46	18.16	26.13	-117.98	-233.19	-1,154.55	1,693.59	1,661.78	31.81	53.238	
4,700.00	4,652.65	4,162.08	3,879.62	18.48	26.94	-117.60	-242.33	-1,194.13	1,738.04	1,705.50	32.54	53.420	
4,800.00	4,752.65	4,251.05	3,958.77	18.80	27.74	-117.23	-251.46	-1,233.71	1,782.54	1,749.28	33.26	53.595	
4,900.00	4,852.21	4,337.62	4,035.80	19.09	28.52	105.54	-260.35	-1,272.22	1,829.35	1,795.43	33.92	53.934	
5,000.00	4,948.90	4,417.26	4,106.65	19.33	29.24	100.79	-268.53	-1,307.65	1,880.56	1,846.13	34.44	54.606	

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 217H
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 217H	**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)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Rule Assigned: Warning
5,100.00	5,039.78	4,487.54	4,169.17	19.53	29.88	95.67	-275.75	-1,338.91	1,935.35	1,900.52	34.83	55.567	
5,200.00	5,122.08	4,546.32	4,221.47	19.70	30.41	90.09	-281.78	-1,365.06	1,992.91	1,957.80	35.11	56.755	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 216H - 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	22.29	73.92	30.31	79.89				
100.00	100.00	100.00	100.00	0.27	0.27	22.29	73.92	30.31	79.89	79.35	0.54	148.574	
200.00	200.00	200.00	200.00	0.63	0.63	22.29	73.92	30.31	79.89	78.63	1.25	63.675	
300.00	300.00	300.00	300.00	0.99	0.99	22.29	73.92	30.31	79.89	77.92	1.97	40.520	
400.00	400.00	400.00	400.00	1.34	1.34	22.29	73.92	30.31	79.89	77.20	2.69	29.715	
500.00	500.00	500.00	500.00	1.70	1.70	22.29	73.92	30.31	79.89	76.48	3.41	23.459	
600.00	600.00	600.00	600.00	2.06	2.06	22.29	73.92	30.31	79.89	75.77	4.12	19.379	
700.00	700.00	700.00	700.00	2.42	2.42	22.29	73.92	30.31	79.89	75.05	4.84	16.508	
800.00	800.00	800.00	800.00	2.78	2.78	22.29	73.92	30.31	79.89	74.33	5.56	14.378	
900.00	900.00	900.00	900.00	3.14	3.14	22.29	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	22.29	73.92	30.31	79.89	72.90	6.99	11.429	
1,100.00	1,100.00	1,101.83	1,101.79	3.85	3.85	20.53	73.70	27.60	78.72	71.01	7.70	10.219	
1,200.00	1,200.00	1,203.09	1,202.71	4.21	4.20	14.98	73.05	19.55	75.67	67.26	8.41	8.997	
1,300.00	1,300.00	1,303.22	1,301.94	4.57	4.56	5.05	71.98	6.36	72.29	63.16	9.13	7.918	
1,369.90	1,369.90	1,372.26	1,369.90	4.82	4.82	-4.62	71.00	-5.74	71.24	61.59	9.65	7.385 CC, ES	
1,400.00	1,400.00	1,401.69	1,398.74	4.93	4.94	-9.38	70.53	-11.65	71.49	61.63	9.86	7.248 SF	
1,500.00	1,500.00	1,498.05	1,492.42	5.29	5.33	-26.36	68.71	-34.06	77.06	66.50	10.57	7.293	
1,600.00	1,599.95	1,591.50	1,582.09	5.65	5.76	-64.31	66.59	-60.26	90.45	79.30	11.15	8.110	
1,700.00	1,699.63	1,681.00	1,666.66	6.00	6.21	-79.12	64.24	-89.44	112.89	101.29	11.60	9.729	
1,800.00	1,798.77	1,765.88	1,745.52	6.36	6.68	-90.48	61.71	-120.72	145.30	133.31	11.99	12.119	
1,900.00	1,897.13	1,845.74	1,818.36	6.73	7.17	-98.96	59.07	-153.31	186.93	174.55	12.38	15.104	
2,000.00	1,995.28	1,928.55	1,892.88	7.11	7.73	-105.77	56.16	-189.33	234.74	221.79	12.95	18.133	
2,100.00	2,093.43	2,013.17	1,968.98	7.50	8.33	-110.48	53.17	-226.22	284.57	270.96	13.61	20.916	
2,200.00	2,191.58	2,097.79	2,045.08	7.90	8.96	-113.83	50.19	-263.10	335.46	321.17	14.29	23.477	
2,300.00	2,289.73	2,182.41	2,121.18	8.31	9.60	-116.31	47.21	-299.99	387.00	372.01	14.99	25.817	
2,400.00	2,387.87	2,267.03	2,197.28	8.72	10.26	-118.22	44.22	-336.88	438.95	423.25	15.70	27.950	
2,500.00	2,486.02	2,351.65	2,273.38	9.14	10.93	-119.72	41.24	-373.76	491.20	474.77	16.43	29.896	
2,600.00	2,584.17	2,436.27	2,349.47	9.57	11.61	-120.95	38.26	-410.65	543.64	526.48	17.16	31.674	
2,700.00	2,682.32	2,520.89	2,425.57	9.99	12.29	-121.96	35.28	-447.53	596.23	578.33	17.91	33.299	
2,800.00	2,780.47	2,605.51	2,501.67	10.42	12.99	-122.80	32.29	-484.42	648.94	630.29	18.65	34.788	
2,900.00	2,878.61	2,690.13	2,577.77	10.86	13.68	-123.52	29.31	-521.31	701.74	682.33	19.41	36.157	
3,000.00	2,976.76	2,774.75	2,653.87	11.30	14.39	-124.14	26.33	-558.19	754.60	734.43	20.17	37.417	
3,100.00	3,074.91	2,859.37	2,729.97	11.73	15.10	-124.68	23.34	-595.08	807.52	786.59	20.93	38.578	
3,200.00	3,173.06	2,943.99	2,806.07	12.18	15.81	-125.15	20.36	-631.96	860.49	838.78	21.70	39.653	
3,300.00	3,271.21	3,028.61	2,882.16	12.62	16.53	-125.57	17.38	-668.85	913.49	891.02	22.47	40.650	
3,400.00	3,369.35	3,113.23	2,958.26	13.06	17.25	-125.94	14.39	-705.74	966.52	943.27	23.25	41.576	
3,500.00	3,467.50	3,197.85	3,034.36	13.51	17.97	-126.28	11.41	-742.62	1,019.58	995.56	24.03	42.438	
3,600.00	3,565.65	3,282.47	3,110.46	13.96	18.69	-126.58	8.43	-779.51	1,072.66	1,047.86	24.81	43.241	
3,700.00	3,663.80	3,367.09	3,186.56	14.41	19.42	-126.85	5.45	-816.39	1,125.77	1,100.18	25.59	43.991	
3,800.00	3,761.95	3,451.71	3,262.66	14.86	20.14	-127.10	2.46	-853.28	1,178.89	1,152.51	26.38	44.694	
3,900.00	3,860.10	3,536.33	3,338.76	15.31	20.87	-127.33	-0.52	-890.17	1,232.02	1,204.85	27.17	45.353	
4,000.00	3,958.24	3,620.94	3,414.85	15.76	21.60	-127.54	-3.50	-927.05	1,285.16	1,257.21	27.96	45.972	
4,100.00	4,056.39	3,705.56	3,490.95	16.22	22.33	-127.73	-6.49	-963.94	1,338.32	1,309.57	28.75	46.554	
4,200.00	4,154.56	3,790.22	3,567.09	16.67	23.07	-128.21	-9.47	-1,000.84	1,391.43	1,361.89	29.54	47.102	
4,300.00	4,253.34	3,876.11	3,644.32	17.10	23.81	-129.63	-12.50	-1,038.28	1,442.63	1,412.31	30.32	47.580	
4,400.00	4,352.79	3,963.58	3,722.99	17.49	24.57	-130.74	-15.58	-1,076.41	1,490.94	1,459.86	31.08	47.973	
4,500.00	4,452.65	4,052.42	3,802.88	17.84	25.34	-131.58	-18.71	-1,115.13	1,536.26	1,504.44	31.82	48.286	
4,600.00	4,552.65	4,142.23	3,883.65	18.16	26.12	-110.49	-21.88	-1,154.28	1,578.94	1,546.41	32.53	48.535	
4,700.00	4,652.65	4,232.16	3,964.52	18.48	26.91	-110.07	-25.05	-1,193.48	1,621.35	1,588.10	33.25	48.762	
4,800.00	4,752.65	4,322.09	4,045.40	18.80	27.69	-109.67	-28.22	-1,232.69	1,663.82	1,629.85	33.97	48.979	
4,900.00	4,852.21	4,409.31	4,123.83	19.09	28.45	113.51	-31.29	-1,270.70	1,709.50	1,674.88	34.62	49.376	
5,000.00	4,948.90	4,488.89	4,195.40	19.33	29.15	108.92	-34.10	-1,305.39	1,761.57	1,726.44	35.13	50.146	

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 217H
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 217H	**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 216H - 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
5,100.00	5,039.78	4,558.41	4,257.92	19.53	29.75	103.58	-36.55	-1,335.70	1,819.15	1,783.65	35.50	51.249	
5,200.00	5,122.08	4,615.75	4,309.48	19.70	30.25	97.32	-38.57	-1,360.69	1,881.27	1,845.52	35.75	52.628	
5,300.00	5,193.31	4,659.17	4,348.53	19.84	30.63	90.05	-40.10	-1,379.62	1,946.85	1,910.94	35.92	54.207	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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)	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	22.79	18.21	7.65	19.75				
100.00	100.00	100.00	100.00	0.27	0.27	22.79	18.21	7.65	19.75	19.21	0.54	36.727	
200.00	200.00	200.00	200.00	0.63	0.63	22.79	18.21	7.65	19.75	18.49	1.25	15.740	
300.00	300.00	300.00	300.00	0.99	0.99	22.79	18.21	7.65	19.75	17.78	1.97	10.017	
400.00	400.00	400.00	400.00	1.34	1.34	22.79	18.21	7.65	19.75	17.06	2.69	7.345	
500.00	500.00	500.00	500.00	1.70	1.70	22.79	18.21	7.65	19.75	16.34	3.41	5.799	CC, ES
600.00	600.00	599.56	599.51	2.06	2.05	29.53	18.08	10.24	20.78	16.67	4.11	5.053	
700.00	700.00	698.58	698.22	2.42	2.40	45.41	17.70	17.95	25.27	20.46	4.81	5.249	
800.00	800.00	796.54	795.35	2.78	2.76	60.84	17.07	30.60	35.35	29.84	5.50	6.422	
900.00	900.00	892.95	890.19	3.14	3.15	71.29	16.22	47.88	51.50	45.33	6.17	8.343	
1,000.00	1,000.00	987.38	982.11	3.50	3.56	77.68	15.16	69.43	73.28	66.46	6.82	10.745	
1,100.00	1,100.00	1,079.43	1,070.58	3.85	4.01	81.65	13.91	94.77	100.20	92.75	7.45	13.458	
1,200.00	1,200.00	1,168.79	1,155.20	4.21	4.50	84.22	12.49	123.42	131.89	123.84	8.05	16.393	
1,300.00	1,300.00	1,255.20	1,235.67	4.57	5.03	85.96	10.94	154.85	168.03	159.41	8.62	19.491	
1,400.00	1,400.00	1,338.46	1,311.79	4.93	5.60	87.18	9.28	188.54	208.36	199.19	9.18	22.705	
1,500.00	1,500.00	1,418.45	1,383.46	5.29	6.21	88.08	7.53	224.01	252.62	242.91	9.71	26.022	
1,600.00	1,599.95	1,500.00	1,454.93	5.65	6.88	66.65	5.59	263.21	299.71	289.43	10.28	29.151	
1,700.00	1,699.63	1,572.22	1,516.82	6.00	7.55	66.70	3.75	300.39	348.47	337.75	10.72	32.499	
1,800.00	1,798.77	1,658.77	1,590.49	6.36	8.38	67.39	1.52	345.75	396.91	385.50	11.41	34.772	
1,900.00	1,897.13	1,745.47	1,664.29	6.73	9.23	68.76	-0.73	391.19	444.19	432.06	12.13	36.610	
2,000.00	1,995.28	1,832.18	1,738.10	7.11	10.10	70.85	-2.97	436.64	491.62	478.74	12.89	38.143	
2,100.00	2,093.43	1,918.89	1,811.92	7.50	10.98	72.57	-5.22	482.09	539.49	525.82	13.67	39.475	
2,200.00	2,191.58	2,005.60	1,885.73	7.90	11.87	74.02	-7.46	527.53	587.67	573.21	14.46	40.629	
2,300.00	2,289.73	2,092.31	1,959.54	8.31	12.77	75.26	-9.70	572.98	636.11	620.83	15.28	41.633	
2,400.00	2,387.87	2,179.02	2,033.35	8.72	13.67	76.32	-11.95	618.43	684.75	668.64	16.11	42.511	
2,500.00	2,486.02	2,265.73	2,107.16	9.14	14.58	77.24	-14.19	663.88	733.54	716.59	16.95	43.283	
2,600.00	2,584.17	2,352.44	2,180.98	9.57	15.49	78.05	-16.43	709.33	782.46	764.66	17.80	43.964	
2,700.00	2,682.32	2,439.16	2,254.79	9.99	16.40	78.76	-18.68	754.78	831.49	812.83	18.66	44.566	
2,800.00	2,780.47	2,525.87	2,328.60	10.42	17.32	79.40	-20.92	800.23	880.60	861.08	19.52	45.102	
2,900.00	2,878.61	2,612.58	2,402.41	10.86	18.24	79.96	-23.17	845.67	929.79	909.39	20.40	45.580	
3,000.00	2,976.76	2,699.29	2,476.22	11.30	19.16	80.48	-25.41	891.12	979.04	957.76	21.28	46.009	
3,100.00	3,074.91	2,786.00	2,550.04	11.73	20.08	80.94	-27.65	936.57	1,028.35	1,006.18	22.17	46.394	
3,200.00	3,173.06	2,872.71	2,623.85	12.18	21.01	81.36	-29.90	982.02	1,077.70	1,054.64	23.06	46.742	
3,300.00	3,271.21	2,959.42	2,697.66	12.62	21.93	81.74	-32.14	1,027.47	1,127.09	1,103.14	23.95	47.058	
3,400.00	3,369.35	3,046.13	2,771.47	13.06	22.86	82.10	-34.38	1,072.92	1,176.52	1,151.67	24.85	47.344	
3,500.00	3,467.50	3,132.85	2,845.29	13.51	23.79	82.42	-36.63	1,118.37	1,225.98	1,200.23	25.75	47.606	
3,600.00	3,565.65	3,219.56	2,919.10	13.96	24.72	82.72	-38.87	1,163.81	1,275.47	1,248.81	26.66	47.846	
3,700.00	3,663.80	3,306.27	2,992.91	14.41	25.65	83.00	-41.11	1,209.26	1,324.98	1,297.41	27.57	48.065	
3,800.00	3,761.95	3,392.98	3,066.72	14.86	26.58	83.25	-43.36	1,254.71	1,374.51	1,346.03	28.48	48.267	
3,900.00	3,860.10	3,479.69	3,140.53	15.31	27.51	83.49	-45.60	1,300.16	1,424.06	1,394.67	29.39	48.453	
4,000.00	3,958.24	3,566.40	3,214.35	15.76	28.44	83.72	-47.85	1,345.61	1,473.63	1,443.32	30.31	48.625	
4,100.00	4,056.39	3,653.11	3,288.16	16.22	29.37	83.92	-50.09	1,391.06	1,523.22	1,491.99	31.22	48.784	
4,200.00	4,154.56	3,739.82	3,361.97	16.67	30.31	84.47	-52.33	1,436.50	1,572.82	1,540.68	32.14	48.934	
4,300.00	4,253.34	3,826.47	3,435.73	17.10	31.24	86.22	-54.58	1,481.92	1,622.72	1,589.70	33.02	49.149	
4,400.00	4,352.79	3,912.83	3,509.24	17.49	32.17	87.79	-56.81	1,527.19	1,672.92	1,639.10	33.83	49.458	
4,500.00	4,452.65	3,998.68	3,582.32	17.84	33.09	89.18	-59.03	1,572.18	1,723.33	1,688.76	34.57	49.857	
4,600.00	4,552.65	4,083.90	3,654.86	18.16	34.01	110.67	-61.24	1,616.85	1,773.88	1,738.63	35.25	50.326	
4,700.00	4,652.65	4,169.02	3,727.32	18.48	34.93	110.17	-63.44	1,661.46	1,824.55	1,788.62	35.93	50.787	
4,800.00	4,752.65	4,254.14	3,799.78	18.80	35.85	109.70	-65.64	1,706.08	1,875.31	1,838.70	36.61	51.228	
4,900.00	4,852.21	4,342.05	3,874.61	19.09	36.79	-22.05	-67.92	1,752.15	1,919.75	1,882.50	37.25	51.534	
5,000.00	4,948.90	4,434.39	3,953.21	19.33	37.79	-21.61	-70.31	1,800.55	1,949.45	1,911.59	37.85	51.503	
5,100.00	5,039.78	4,528.35	4,033.20	19.53	38.80	-21.94	-72.74	1,849.80	1,963.74	1,925.35	38.40	51.144	

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 217H
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 217H	**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)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,200.00	5,122.08	4,621.10	4,112.15	19.70	39.80	-22.99	-75.14	1,898.41	1,962.51	1,923.64	38.88	50.482	
5,300.00	5,193.31	4,709.79	4,187.65	19.84	40.76	-24.81	-77.43	1,944.90	1,946.14	1,906.85	39.29	49.535	
5,400.00	5,251.29	4,791.76	4,257.42	19.99	41.65	-27.53	-79.55	1,987.86	1,915.48	1,875.84	39.65	48.316	
5,500.00	5,294.28	4,864.49	4,319.33	20.34	42.43	-31.36	-81.43	2,025.98	1,871.84	1,831.87	39.97	46.834	
5,600.00	5,320.96	4,925.78	4,371.51	21.03	43.09	-36.59	-83.02	2,058.11	1,816.89	1,776.60	40.29	45.094	
5,700.00	5,330.52	4,973.78	4,412.36	21.99	43.61	-43.56	-84.26	2,083.27	1,752.60	1,711.95	40.65	43.119	
5,800.00	5,329.70	5,013.18	4,445.90	23.12	44.04	-45.73	-85.28	2,103.92	1,684.58	1,643.45	41.13	40.957	
5,900.00	5,328.80	5,052.50	4,479.37	24.43	44.46	-47.27	-86.30	2,124.53	1,618.87	1,577.00	41.88	38.658	
6,000.00	5,327.90	5,091.82	4,512.85	25.87	44.89	-48.85	-87.32	2,145.14	1,555.83	1,512.88	42.95	36.223	
6,100.00	5,327.00	5,131.14	4,546.32	27.44	45.31	-50.46	-88.33	2,165.75	1,495.78	1,451.38	44.41	33.684	
6,200.00	5,326.10	5,170.46	4,579.79	29.11	45.74	-52.10	-89.35	2,186.36	1,439.11	1,392.82	46.29	31.089	
6,300.00	5,325.19	5,209.79	4,613.26	30.86	46.16	-53.76	-90.37	2,206.97	1,386.22	1,337.58	48.64	28.497	
6,400.00	5,324.29	5,249.11	4,646.74	32.68	46.59	-55.45	-91.39	2,227.58	1,337.57	1,286.07	51.50	25.974	
6,500.00	5,323.39	5,288.43	4,680.21	34.56	47.01	-57.17	-92.40	2,248.19	1,293.63	1,238.78	54.85	23.583	
6,600.00	5,322.49	5,327.75	4,713.68	36.49	47.44	-58.90	-93.42	2,268.80	1,254.90	1,196.20	58.70	21.378	
6,700.00	5,321.59	5,367.07	4,747.15	38.46	47.86	-60.66	-94.44	2,289.41	1,221.88	1,158.88	62.99	19.397	
6,800.00	5,320.68	5,406.40	4,780.63	40.47	48.29	-62.43	-95.46	2,310.02	1,195.03	1,127.37	67.66	17.663	
6,900.00	5,319.78	5,445.72	4,814.10	42.51	48.71	-64.21	-96.47	2,330.63	1,174.78	1,102.20	72.59	16.185	
7,000.00	5,318.88	5,485.04	4,847.57	44.58	49.14	-65.99	-97.49	2,351.24	1,161.48	1,083.83	77.65	14.958	
7,100.00	5,317.98	5,524.36	4,881.04	46.67	49.56	-67.78	-98.51	2,371.85	1,155.37	1,072.67	82.70	13.970	
7,133.77	5,317.67	5,537.64	4,892.35	47.39	49.71	-68.39	-98.85	2,378.81	1,154.95	1,070.57	84.38	13.687	
7,200.00	5,317.08	5,563.68	4,914.51	48.79	49.99	-69.58	-99.53	2,392.46	1,156.56	1,068.95	87.60	13.202	
7,300.00	5,316.17	5,603.00	4,947.99	50.92	50.41	-71.37	-100.54	2,413.07	1,165.02	1,072.81	92.22	12.633	
7,400.00	5,315.27	5,642.33	4,981.46	53.07	50.84	-73.15	-101.56	2,433.68	1,180.61	1,084.17	96.44	12.242	
7,500.00	5,314.37	6,011.17	5,242.75	55.23	55.81	-86.53	-201.70	2,664.18	1,198.86	1,095.10	103.75	11.555	
7,600.00	5,313.47	6,217.35	5,317.91	57.40	59.02	-90.21	-327.56	2,807.64	1,199.08	1,091.87	107.21	11.184	
7,700.00	5,312.57	6,318.66	5,329.42	59.59	60.68	-90.81	-396.16	2,881.12	1,199.15	1,087.91	111.24	10.780	
7,800.00	5,311.66	6,419.25	5,328.88	61.78	62.36	-90.82	-464.80	2,954.64	1,199.11	1,083.76	115.35	10.396	
7,900.00	5,310.76	6,519.25	5,328.02	63.99	64.07	-90.83	-533.04	3,027.73	1,199.07	1,079.56	119.51	10.033	
8,000.00	5,309.86	6,619.25	5,327.16	66.20	65.81	-90.83	-601.29	3,100.82	1,199.03	1,075.32	123.70	9.693	
8,100.00	5,308.96	6,719.25	5,326.30	68.42	67.58	-90.83	-669.53	3,173.91	1,198.98	1,071.06	127.93	9.372	
8,200.00	5,308.06	6,819.25	5,325.44	70.64	69.39	-90.83	-737.77	3,247.01	1,198.94	1,066.76	132.18	9.070	
8,300.00	5,307.15	6,919.25	5,324.58	72.88	71.22	-90.83	-806.01	3,320.10	1,198.90	1,062.44	136.46	8.786	
8,400.00	5,306.25	7,019.25	5,323.72	75.11	73.09	-90.84	-874.25	3,393.19	1,198.86	1,058.09	140.77	8.517	
8,500.00	5,305.35	7,119.25	5,322.86	77.36	74.97	-90.84	-942.50	3,466.28	1,198.82	1,053.73	145.09	8.263	
8,600.00	5,304.45	7,219.25	5,322.00	79.60	76.89	-90.84	-1,010.74	3,539.37	1,198.77	1,049.34	149.44	8.022	
8,700.00	5,303.55	7,319.25	5,321.14	81.85	78.82	-90.84	-1,078.98	3,612.46	1,198.73	1,044.94	153.80	7.794	
8,800.00	5,302.64	7,419.25	5,320.28	84.11	80.77	-90.84	-1,147.22	3,685.55	1,198.69	1,040.52	158.18	7.578	
8,900.00	5,301.74	7,519.25	5,319.42	86.37	82.75	-90.85	-1,215.46	3,758.64	1,198.65	1,036.08	162.57	7.373	
9,000.00	5,300.84	7,619.25	5,318.55	88.63	84.74	-90.85	-1,283.71	3,831.73	1,198.61	1,031.63	166.98	7.178	
9,100.00	5,299.94	7,719.25	5,317.69	90.89	86.74	-90.85	-1,351.95	3,904.82	1,198.57	1,027.17	171.40	6.993	
9,200.00	5,299.04	7,819.25	5,316.83	93.16	88.77	-90.85	-1,420.19	3,977.91	1,198.52	1,022.70	175.83	6.817	
9,300.00	5,298.13	7,919.25	5,315.97	95.43	90.80	-90.85	-1,488.43	4,051.01	1,198.48	1,018.22	180.27	6.648	
9,400.00	5,297.23	8,019.25	5,315.11	97.70	92.85	-90.86	-1,556.67	4,124.10	1,198.44	1,013.72	184.72	6.488	
9,500.00	5,296.33	8,119.25	5,314.25	99.98	94.92	-90.86	-1,624.92	4,197.19	1,198.40	1,009.22	189.18	6.335	
9,600.00	5,295.43	8,219.25	5,313.39	102.25	96.99	-90.86	-1,693.16	4,270.28	1,198.36	1,004.71	193.65	6.188	
9,700.00	5,294.53	8,319.25	5,312.53	104.53	99.08	-90.86	-1,761.40	4,343.37	1,198.32	1,000.19	198.13	6.048	
9,800.00	5,293.62	8,419.25	5,311.67	106.81	101.18	-90.86	-1,829.64	4,416.46	1,198.27	995.66	202.61	5.914	
9,900.00	5,292.72	8,519.25	5,310.81	109.10	103.28	-90.87	-1,897.88	4,489.55	1,198.23	991.13	207.11	5.786	
10,000.00	5,291.82	8,619.25	5,309.95	111.38	105.40	-90.87	-1,966.13	4,562.64	1,198.19	986.59	211.60	5.662	
10,100.00	5,290.92	8,719.25	5,309.08	113.67	107.52	-90.87	-2,034.37	4,635.73	1,198.15	982.04	216.11	5.544	
10,200.00	5,290.02	8,819.25	5,308.22	115.95	109.66	-90.87	-2,102.61	4,708.82	1,198.11	977.49	220.62	5.431	

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 217H
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 217H	**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)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,300.00	5,289.11	8,919.25	5,307.36	118.24	111.80	-90.87	-2,170.85	4,781.92	1,198.07	972.93	225.13	5.322	
10,400.00	5,288.21	9,019.25	5,306.50	120.53	113.95	-90.88	-2,239.09	4,855.01	1,198.02	968.37	229.65	5.217	
10,500.00	5,287.31	9,119.25	5,305.64	122.82	116.10	-90.88	-2,307.34	4,928.10	1,197.98	963.80	234.18	5.116	
10,600.00	5,286.41	9,219.25	5,304.78	125.12	118.26	-90.88	-2,375.58	5,001.19	1,197.94	959.23	238.71	5.018	
10,700.00	5,285.51	9,319.25	5,303.92	127.41	120.43	-90.88	-2,443.82	5,074.28	1,197.90	954.66	243.24	4.925	
10,800.00	5,284.60	9,419.25	5,303.06	129.70	122.60	-90.88	-2,512.06	5,147.37	1,197.86	950.08	247.78	4.834	
10,900.00	5,283.70	9,519.25	5,302.20	132.00	124.78	-90.89	-2,580.30	5,220.46	1,197.82	945.49	252.32	4.747	
11,000.00	5,282.80	9,619.25	5,301.34	134.29	126.96	-90.89	-2,648.55	5,293.55	1,197.77	940.91	256.87	4.663	
11,100.00	5,281.90	9,719.25	5,300.48	136.59	129.15	-90.89	-2,716.79	5,366.64	1,197.73	936.32	261.42	4.582	
11,200.00	5,281.00	9,819.25	5,299.62	138.89	131.35	-90.89	-2,785.03	5,439.73	1,197.69	931.72	265.97	4.503	
11,300.00	5,280.09	9,919.25	5,298.75	141.19	133.54	-90.89	-2,853.27	5,512.82	1,197.65	927.13	270.52	4.427	
11,400.00	5,279.19	10,019.25	5,297.89	143.49	135.75	-90.90	-2,921.51	5,585.92	1,197.61	922.53	275.08	4.354	
11,500.00	5,278.29	10,119.25	5,297.03	145.79	137.95	-90.90	-2,989.76	5,659.01	1,197.57	917.93	279.64	4.283	
11,600.00	5,277.39	10,219.25	5,296.17	148.09	140.16	-90.90	-3,058.00	5,732.10	1,197.52	913.32	284.20	4.214	
11,700.00	5,276.49	10,319.25	5,295.31	150.39	142.38	-90.90	-3,126.24	5,805.19	1,197.48	908.72	288.76	4.147	
11,800.00	5,275.58	10,419.25	5,294.45	152.69	144.59	-90.90	-3,194.48	5,878.28	1,197.44	904.11	293.33	4.082	
11,900.00	5,274.68	10,519.25	5,293.59	154.99	146.81	-90.91	-3,262.72	5,951.37	1,197.40	899.50	297.90	4.019	
12,000.00	5,273.78	10,619.25	5,292.73	157.30	149.04	-90.91	-3,330.97	6,024.46	1,197.36	894.88	302.47	3.959	
12,100.00	5,272.88	10,719.25	5,291.87	159.60	151.26	-90.91	-3,399.21	6,097.55	1,197.32	890.27	307.05	3.899	
12,200.00	5,271.98	10,819.25	5,291.01	161.90	153.49	-90.91	-3,467.45	6,170.64	1,197.27	885.65	311.62	3.842	
12,300.00	5,271.07	10,919.25	5,290.15	164.21	155.73	-90.91	-3,535.69	6,243.73	1,197.23	881.03	316.20	3.786	
12,400.00	5,270.17	11,019.25	5,289.28	166.51	157.96	-90.91	-3,603.93	6,316.82	1,197.19	876.41	320.78	3.732	
12,500.00	5,269.27	11,119.25	5,288.42	168.82	160.20	-90.92	-3,672.18	6,389.92	1,197.15	871.79	325.36	3.679	
12,600.00	5,268.37	11,219.25	5,287.56	171.13	162.44	-90.92	-3,740.42	6,463.01	1,197.11	867.17	329.94	3.628	
12,700.00	5,267.47	11,319.25	5,286.70	173.43	164.68	-90.92	-3,808.66	6,536.10	1,197.07	862.54	334.52	3.578	
12,800.00	5,266.56	11,419.25	5,285.84	175.74	166.92	-90.92	-3,876.90	6,609.19	1,197.02	857.92	339.11	3.530	
12,900.00	5,265.66	11,519.25	5,284.98	178.05	169.17	-90.93	-3,945.14	6,682.28	1,196.98	853.29	343.69	3.483	
13,000.00	5,264.76	11,619.25	5,284.12	180.35	171.42	-90.93	-4,013.39	6,755.37	1,196.94	848.66	348.28	3.437	
13,100.00	5,263.86	11,719.25	5,283.26	182.66	173.67	-90.93	-4,081.63	6,828.46	1,196.90	844.03	352.87	3.392	
13,200.00	5,262.96	11,819.25	5,282.40	184.97	175.92	-90.93	-4,149.87	6,901.55	1,196.86	839.40	357.46	3.348	
13,300.00	5,262.05	11,919.25	5,281.54	187.28	178.18	-90.93	-4,218.11	6,974.64	1,196.81	834.76	362.05	3.306	
13,400.00	5,261.15	12,019.25	5,280.68	189.59	180.43	-90.94	-4,286.35	7,047.73	1,196.77	830.13	366.64	3.264	
13,500.00	5,260.25	12,119.25	5,279.82	191.90	182.69	-90.94	-4,354.60	7,120.83	1,196.73	825.49	371.24	3.224	
13,600.00	5,259.35	12,219.25	5,278.95	194.21	184.95	-90.94	-4,422.84	7,193.92	1,196.69	820.86	375.83	3.184	
13,700.00	5,258.45	12,319.25	5,278.09	196.52	187.21	-90.94	-4,491.08	7,267.01	1,196.65	816.22	380.43	3.146	
13,800.00	5,257.54	12,419.25	5,277.23	198.83	189.47	-90.94	-4,559.32	7,340.10	1,196.61	811.58	385.02	3.108	
13,900.00	5,256.64	12,519.25	5,276.37	201.14	191.74	-90.95	-4,627.56	7,413.19	1,196.57	806.94	389.62	3.071	
14,000.00	5,255.74	12,619.25	5,275.51	203.45	194.00	-90.95	-4,695.81	7,486.28	1,196.52	802.31	394.22	3.035	
14,100.00	5,254.84	12,719.25	5,274.65	205.76	196.27	-90.95	-4,764.05	7,559.37	1,196.48	797.66	398.82	3.000	
14,200.00	5,253.94	12,819.25	5,273.79	208.07	198.54	-90.95	-4,832.29	7,632.46	1,196.44	793.02	403.42	2.966	
14,300.00	5,253.03	12,919.25	5,272.93	210.38	200.81	-90.95	-4,900.53	7,705.55	1,196.40	788.38	408.02	2.932	
14,400.00	5,252.13	13,019.25	5,272.07	212.69	203.08	-90.96	-4,968.77	7,778.64	1,196.36	783.74	412.62	2.899	
14,500.00	5,251.23	13,119.25	5,271.21	215.01	205.35	-90.96	-5,037.02	7,851.73	1,196.32	779.09	417.22	2.867	
14,600.00	5,250.33	13,219.25	5,270.35	217.32	207.62	-90.96	-5,105.26	7,924.83	1,196.27	774.45	421.82	2.836	
14,700.00	5,249.43	13,319.25	5,269.48	219.63	209.89	-90.96	-5,173.50	7,997.92	1,196.23	769.80	426.43	2.805	
14,800.00	5,248.52	13,419.25	5,268.62	221.94	212.17	-90.96	-5,241.74	8,071.01	1,196.19	765.16	431.03	2.775	
14,900.00	5,247.62	13,519.25	5,267.76	224.26	214.45	-90.97	-5,309.98	8,144.10	1,196.15	760.51	435.63	2.746	
15,000.00	5,246.72	13,619.25	5,266.90	226.57	216.72	-90.97	-5,378.23	8,217.19	1,196.11	755.87	440.24	2.717	
15,100.00	5,245.82	13,719.25	5,266.04	228.88	219.00	-90.97	-5,446.47	8,290.28	1,196.07	751.22	444.85	2.689	
15,200.00	5,244.92	13,819.25	5,265.18	231.20	221.28	-90.97	-5,514.71	8,363.37	1,196.02	746.57	449.45	2.661	
15,300.00	5,244.01	13,919.25	5,264.32	233.51	223.56	-90.97	-5,582.95	8,436.46	1,195.98	741.92	454.06	2.634	
15,400.00	5,243.11	14,019.25	5,263.46	235.82	225.84	-90.98	-5,651.19	8,509.55	1,195.94	737.27	458.67	2.607	

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 217H
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 217H	**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

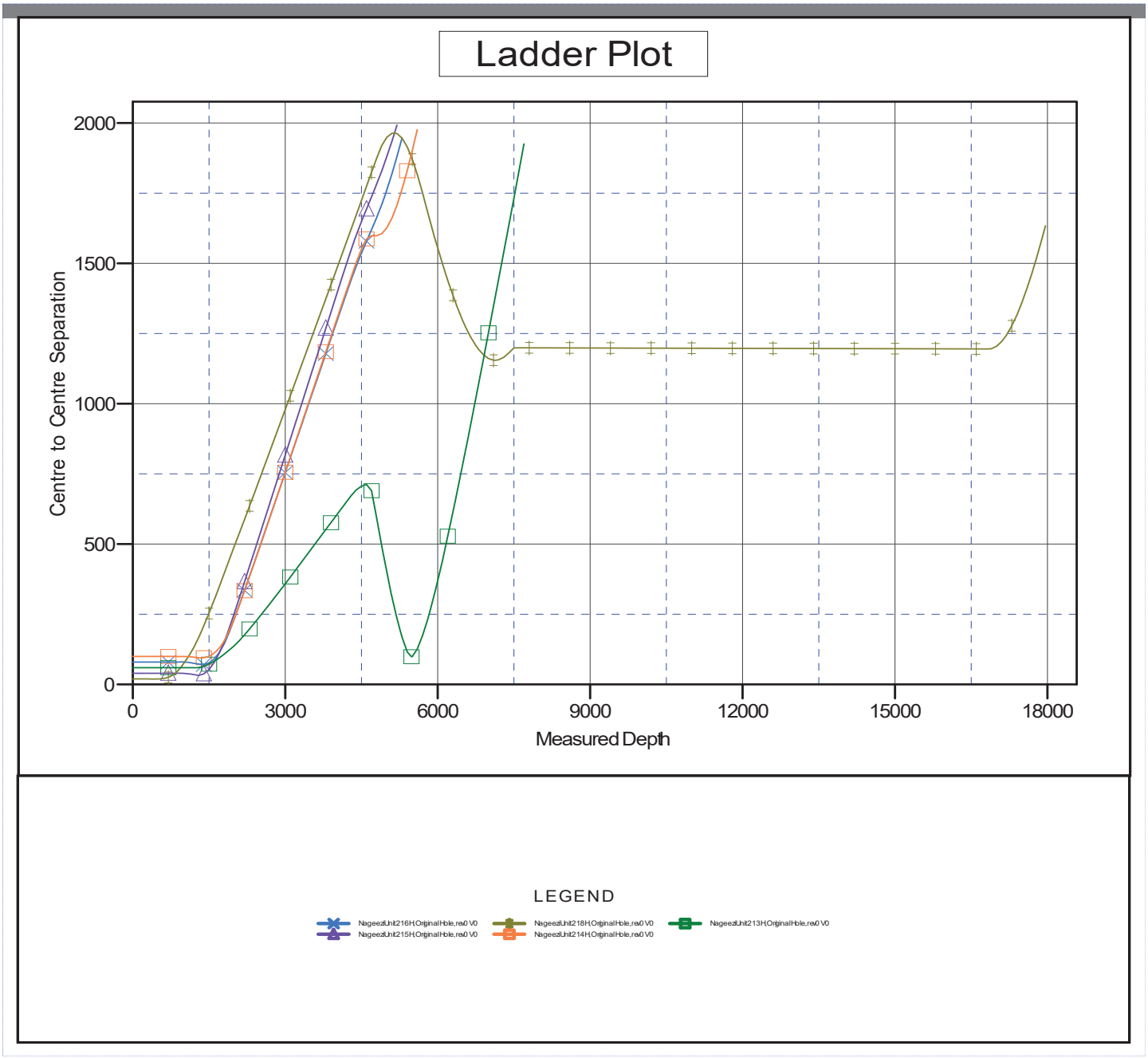
Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
15,500.00	5,242.21	14,119.25	5,262.60	238.14	228.12	-90.98	-5,719.44	8,582.64	1,195.90	732.63	463.27	2.581	
15,600.00	5,241.31	14,219.25	5,261.74	240.45	230.40	-90.98	-5,787.68	8,655.74	1,195.86	727.98	467.88	2.556	
15,700.00	5,240.41	14,319.25	5,260.88	242.76	232.69	-90.98	-5,855.92	8,728.83	1,195.82	723.33	472.49	2.531	
15,800.00	5,239.50	14,419.25	5,260.02	245.08	234.97	-90.98	-5,924.16	8,801.92	1,195.77	718.68	477.10	2.506	
15,900.00	5,238.60	14,519.25	5,259.15	247.39	237.25	-90.99	-5,992.40	8,875.01	1,195.73	714.02	481.71	2.482	
16,000.00	5,237.70	14,619.25	5,258.29	249.71	239.54	-90.99	-6,060.65	8,948.10	1,195.69	709.37	486.32	2.459	
16,100.00	5,236.80	14,719.25	5,257.43	252.02	241.82	-90.99	-6,128.89	9,021.19	1,195.65	704.72	490.93	2.435	
16,200.00	5,235.90	14,819.25	5,256.57	254.34	244.11	-90.99	-6,197.13	9,094.28	1,195.61	700.07	495.54	2.413	
16,300.00	5,234.99	14,919.25	5,255.71	256.65	246.40	-90.99	-6,265.37	9,167.37	1,195.57	695.42	500.15	2.390	
16,400.00	5,234.09	15,019.25	5,254.85	258.97	248.69	-91.00	-6,333.61	9,240.46	1,195.52	690.77	504.76	2.369	
16,500.00	5,233.19	15,119.25	5,253.99	261.28	250.98	-91.00	-6,401.86	9,313.55	1,195.48	686.11	509.37	2.347	
16,600.00	5,232.29	15,219.25	5,253.13	263.60	253.26	-91.00	-6,470.10	9,386.64	1,195.44	681.46	513.98	2.326	
16,700.00	5,231.39	15,319.25	5,252.27	265.91	255.55	-91.00	-6,538.34	9,459.74	1,195.40	676.81	518.59	2.305	
16,800.00	5,230.48	15,419.25	5,251.41	268.23	257.84	-91.00	-6,606.58	9,532.83	1,195.36	672.15	523.21	2.285	
16,848.51	5,230.05	15,467.26	5,250.99	269.35	258.94	-91.00	-6,639.35	9,567.92	1,195.34	669.88	525.46	2.275	
16,900.00	5,229.58	15,467.26	5,250.99	270.54	258.94	-91.00	-6,639.35	9,567.92	1,196.45	668.10	528.35	2.264	SF
17,000.00	5,228.68	15,467.26	5,250.99	272.86	258.94	-91.00	-6,639.35	9,567.92	1,204.90	675.82	529.08	2.277	
17,100.00	5,227.78	15,467.26	5,250.99	275.18	258.94	-91.00	-6,639.35	9,567.92	1,221.51	697.82	523.69	2.332	
17,200.00	5,226.88	15,467.26	5,250.99	277.49	258.94	-91.00	-6,639.35	9,567.92	1,245.94	732.80	513.14	2.428	
17,300.00	5,225.97	15,467.26	5,250.99	279.81	258.94	-91.00	-6,639.35	9,567.92	1,277.76	779.04	498.73	2.562	
17,400.00	5,225.07	15,467.26	5,250.99	282.12	258.94	-91.00	-6,639.35	9,567.92	1,316.42	834.65	481.78	2.732	
17,500.00	5,224.17	15,467.26	5,250.99	284.44	258.94	-91.00	-6,639.35	9,567.92	1,361.35	897.91	463.44	2.937	
17,600.00	5,223.27	15,467.26	5,250.99	286.76	258.94	-91.00	-6,639.35	9,567.92	1,411.94	967.31	444.63	3.176	
17,700.00	5,222.37	15,467.26	5,250.99	289.07	258.94	-91.00	-6,639.35	9,567.92	1,467.61	1,041.63	425.98	3.445	
17,800.00	5,221.46	15,467.26	5,250.99	291.39	258.94	-91.00	-6,639.35	9,567.92	1,527.80	1,119.89	407.90	3.745	
17,900.00	5,220.56	15,467.26	5,250.99	293.71	258.94	-91.00	-6,639.35	9,567.92	1,592.00	1,201.33	390.67	4.075	
17,962.34	5,220.00	15,467.26	5,250.99	295.15	258.94	-91.00	-6,639.35	9,567.92	1,633.84	1,253.44	380.41	4.295	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 217H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.04°



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

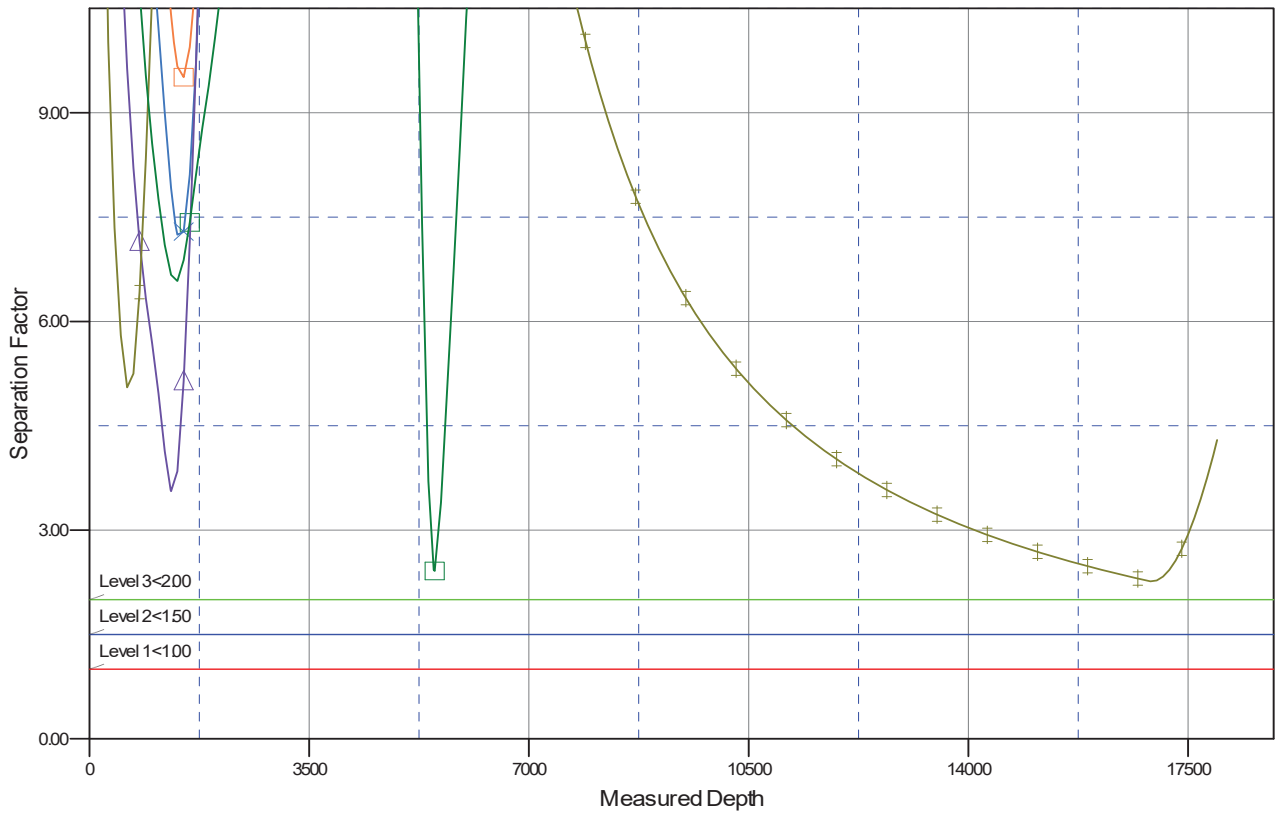
Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well Nageezi Unit 217H
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 217H	**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 217H
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.04°

Separation Factor Plot



LEGEND

NageeziUnit216H,OrginalHole,rev0 V0
NageeziUnit215H,OrginalHole,rev0 V0
NageeziUnit218H,OrginalHole,rev0 V0
NageeziUnit214H,OrginalHole,rev0 V0
NageeziUnit213H,OrginalHole,rev0 V0

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811 S. First St., Artesia, NM 88210
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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 318492

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 318492
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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