

Well Name: NAGEEZI UNIT	Well Location: T24N / R9W / SEC 26 / NWSW /	County or Parish/State:
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: NOG14021898	Unit or CA Name:	Unit or CA Number: NMNM132981A
US Well Number: 30-045-38293	Well Status: Approved Application for Permit to Drill	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2776627

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/26/2024	Time Sundry Submitted: 09:01
Date proposed operation will begin: 02/26/2024	

Procedure Description: The subject well has been assigned API No: 30-045-38293 and is located within DJRs undivided Nageezi Unit. Original plans were to drill a 6080-ft lateral. DJR is seeking approval to lengthen the lateral to 7776-ft, changing the proposed depth to 5374 / 13327, adjusting the BHL & increasing the dedicated acres from 440 to 520. 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_Drill_Plan_Rev1_20240226090132.pdf

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Lease Number: N0G14021898	Unit or CA Name:	Unit or CA Number: NMNM132981A	
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: DJR OPERATING LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: FEB 26, 2024 09:01 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTECState: 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: 02/26/2024

Signature: Kenneth Rennick

DISTRICT I1625 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: (505) 748-1283 Fax: (505) 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) 476-3462State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011Submit one copy to appropriate
District OfficeOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38293	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 213H
⁷ GRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 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		1798'	SOUTH	792'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

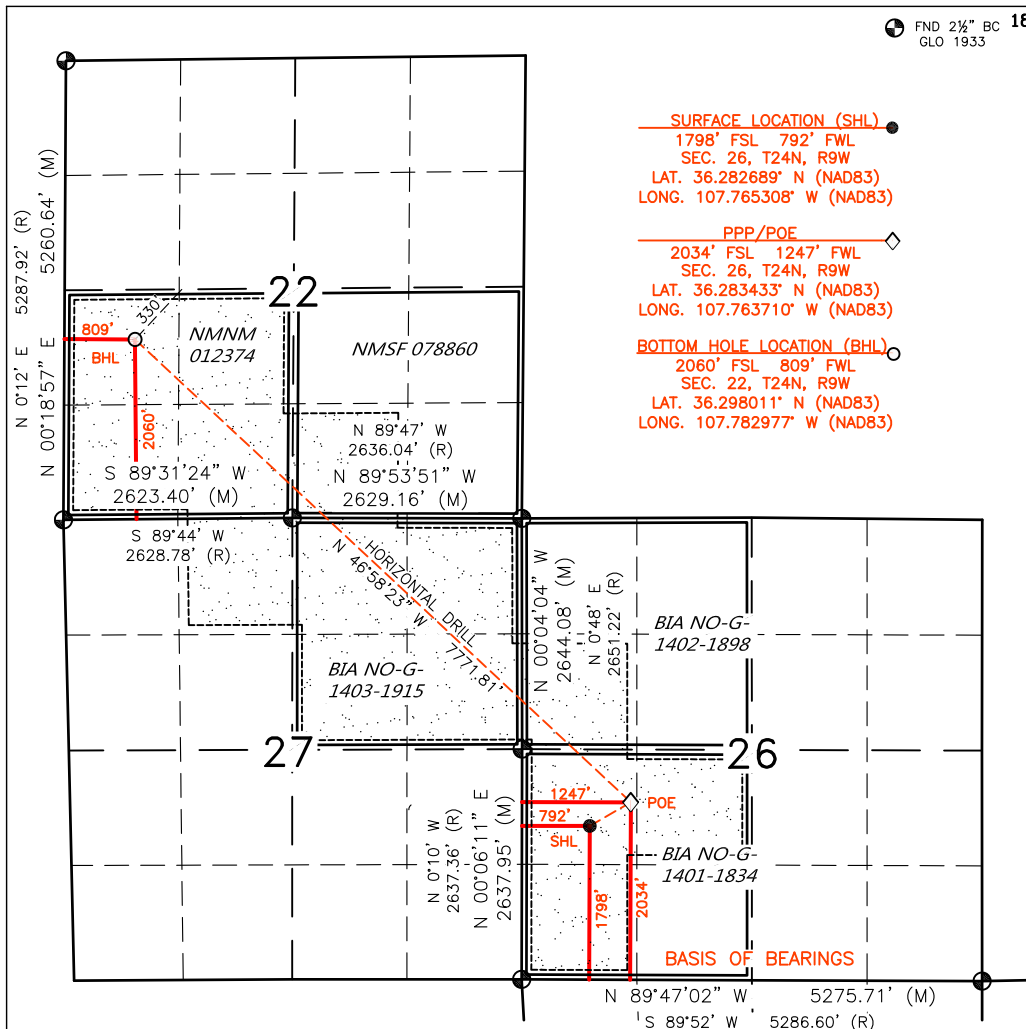
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	22	24N	9W		2060'	SOUTH	809'	WEST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 26: NW/SW, NE/SW & SW/NW (120 AC.);
SEC 27: NE/4 & NE/NW (200 AC.); SEC 22:
SW/SE & SW/4 (200 AC.) = 520 ACRES¹³ Joint or Infill¹⁴ Consolidation Code¹⁵ Order No.

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

FND 2 1/2" BC
GLO 1933¹⁷ 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 2/23/24
Signature DateShaw-Marie Ford
Printed Namesford@djrlc.com
E-mail Address

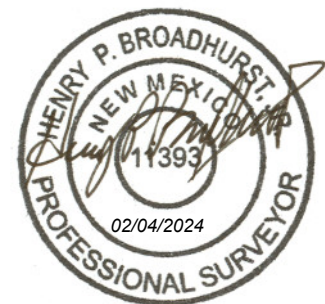
SURVEYOR CERTIFICATION

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:



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 213H

API Number: 30-045-38293

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

1,798 ft FSL

792 ft FWL

36.282689 ° N latitude

107.765308 ° W longitude

(NAD 83)

BH Location: 22-24-N9W Sec-Twn-Rng

2,259 ft FSL

2,141 ft FWL

36.298585 ° N latitude

107.778451 ° 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	1,594	G, W	sub
	Lewis	5,150	1,701	1,707	G, W	normal
	Chacra	4,851	2,000	2,016	G, W	normal
	Cliff House	3,762	3,089	3,140	G, W	sub
	Menefee	3,732	3,119	3,171	G, W	normal
	Point Lookout	2,792	4,059	4,140	G, W	normal
	Mancos	2,590	4,261	4,349	O,G	sub (~0.38)
	Gallup (MNCS_A)	2,233	4,618	4,707	O,G	sub (~0.38)
	MNCS_B	2,150	4,701	4,790	O,G	sub (~0.38)
	MNCS_C	2,045	4,806	4,895	O,G	sub (~0.38)
	MNCS_Cms	1,998	4,853	4,943	O,G	sub (~0.38)
	MNCS_D	1,880	4,971	5,065	O,G	sub (~0.38)
	MNCS_E	1,769	5,082	5,190	O,G	sub (~0.38)
	MNCS_F	1,700	5,151	5,279	O,G	sub (~0.38)
	MNCS_G	1,621	5,230	5,398	O,G	sub (~0.38)
	MNCS_H	1,578	5,273	5,481	O,G	sub (~0.38)
	MNCS_I	1,537	5,314	5,596	O,G	sub (~0.38)
	FTP TARGET	1,550	5,301	5,551	O,G	sub (~0.38)
	PROJECTED TD	1,477	5,374	13,327	O,G	sub (~0.38)

Surface: Naciminto

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: 2,320 psi

Maximum anticipated surface pressure, assuming partially evacuated hole: 1,140 psi

Temperature: Maximum anticipated BHT is 125° F or less

H₂S INFORMATION:

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

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

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; remote geo-steering from drill out of 9-5/8" casing to TD; gas 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 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 minimize 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	696	116,634	116,634
Min. S.F.					7.39	3.92	7.31	7.79

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

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling intermediate hole and 8.4 ppg equivalent external pressure gradient

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

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

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

Drake Cementing Surface Blend

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

350 ft (MD)	to	3,274 ft (MD)	Hole Section Length:	2,924 ft
350 ft (TVD)	to	3,219 ft (TVD)	Casing Required:	3,274 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					1,406	1,324	202,783	202,783
Min. S.F.					1.44	2.66	2.78	2.23

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

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient

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

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)
Lead	III:POZ Blend	12.5	2.140	12.05	70%	0	662
Tail	Type III	14.6	1.380	6.64	20%	2,774	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

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

3,274 ft (MD)	to	13,327 ft (MD)	Hole Section Length:	10,053 ft
3,219 ft (TVD)	to	5,374 ft (TVD)	Casing Required:	13,327 ft

Estimated KOP:	4,851 ft (MD)	4,762 ft (TVD)
Estimated Landing Point (FTP):	5,551 ft (MD)	5,301 ft (TVD)
Estimated Lateral Length:	7,776 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

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					2,655	9,003	295,500	295,500
Min. S.F.					2.81	1.18	1.85	1.51

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

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	546	1,287
Tail	G:POZ blend	13.3	1.560	7.70	10%	4,349	1,459	2,276

Displacement 308 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

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	FP24 Defoamer .3% BWOB, IntegraSeal 0.25 lb/sx

FINISH WELL: ND BOP, cap well, RDMO.

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 7,676
Est Frac Inform: 32 Frac Stages 123,000 bbls slick water 9,980,000 lbs proppant
Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling: 6/1/2024
Completion: 7/31/2024
Production: 9/14/2024

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

WELL NAME: NAGEEZI UNIT 213H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Gallup formation

API Number: 30-045-38293
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 1,798 ft FSL 792 ft FWL
BH Location: 22-24-N9W Sec-Twn- Rng 2259 ft FSL 2141 ft FWL

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)	3,274 ft
KOP (MD)	4,851 ft
KOP (TVD)	4,762 ft
Target (TVD)	5,301 ft
Curve BUR	10 °/100 ft
POE (MD)	5,551 ft
TD (MD)	13,327 ft
Lat Len (ft)	7,776 ft

WELL CONSTRUCTION SUMMARY:

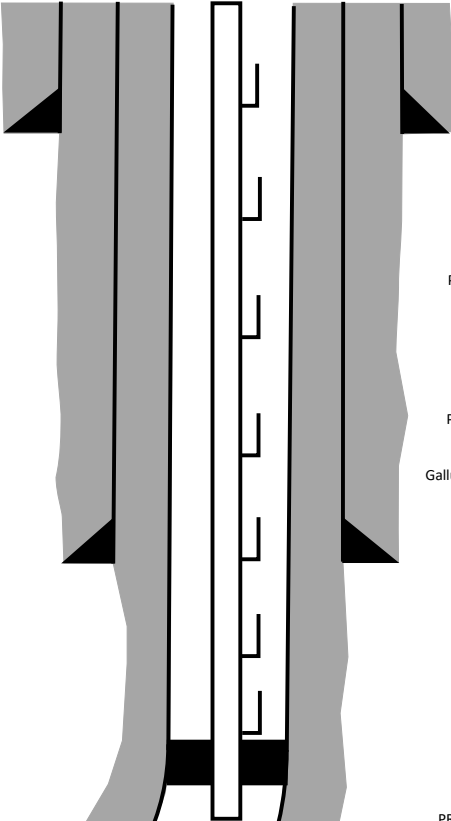
	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	13.375	54.5	J-55	BTC	0	350
Intermediate	12.250	3,274	9.625	36.0	J-55	LTC	0	3,274
Production	8.750	13,327	5.500	17.0	P-110	LTC	0	13,327

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	662
Inter. (Tail)	Type III	14.6	1.38	6.64	0.3132	20%	2,774	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	546
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.13052916	10%	4,349	1,459

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



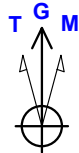
Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	831	831
Kirtland	956	956
Fruitland	1,246	1,246
Pictured Cliffs	1,591	1,594
Lewis	1,701	1,707
Chacra	2,000	2,016
Cliff House	3,089	3,140
Menefee	3,119	3,171
Point Lookout	4,059	4,140
Mancos	4,261	4,349
Gallup (MNCS_A)	4,618	4,707
MNCS_B	4,701	4,790
MNCS_C	4,806	4,895
MNCS_Cms	4,853	4,943
MNCS_D	4,971	5,065
MNCS_E	5,082	5,190
MNCS_F	5,151	5,279
MNCS_G	5,230	5,398
MNCS_H	5,273	5,481
MNCS_I	5,314	5,596
FTP TARGET	5,301	5,551
PROJECTED TD	5,374	13,327



Well: Nageezi Unit 218H
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 218H BHL 288 FSL 244 FEL 3330 ppd	5251.00	-6657.00	9559.67	1915511.01	2752685.30	36.26427700	-107.73294700
Nageezi 218H PPP/POE 1443 FSL 1769 FEL	5295.05	-290.62	2740.92	1921877.37	2745866.56	36.28178300	-107.75606000
Nageezi 218H vert	5350.00	1211.93	1131.32	1923379.92	2744256.96	36.28591400	-107.76151744



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

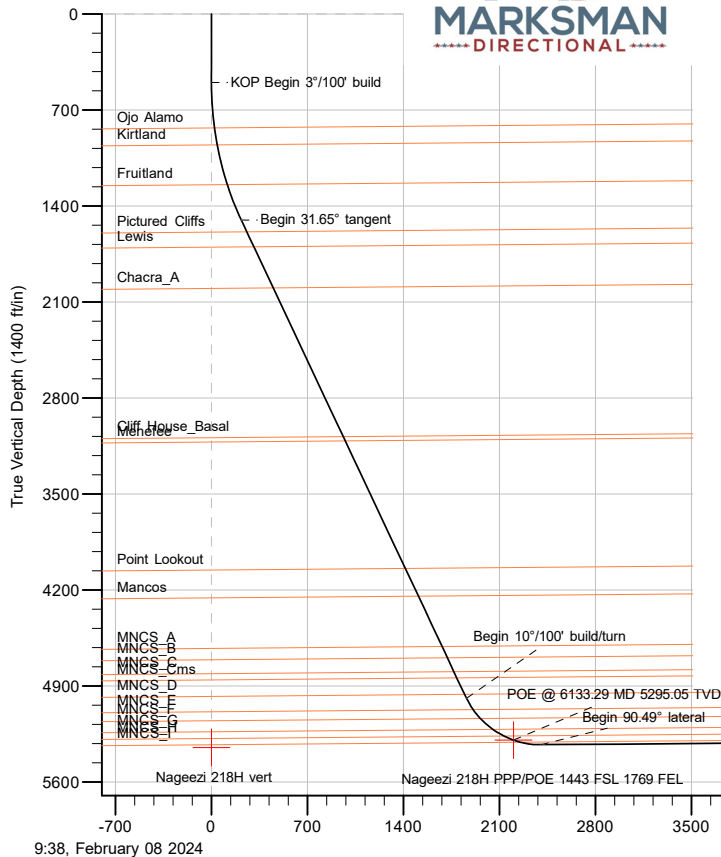
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Depth Reference: RKB=6826+25 @ 6851.00ft

Surface location:
 Northing 1922167.99 Easting 2743125.64 Latitude 36.28258700 Longitude -107.76535900

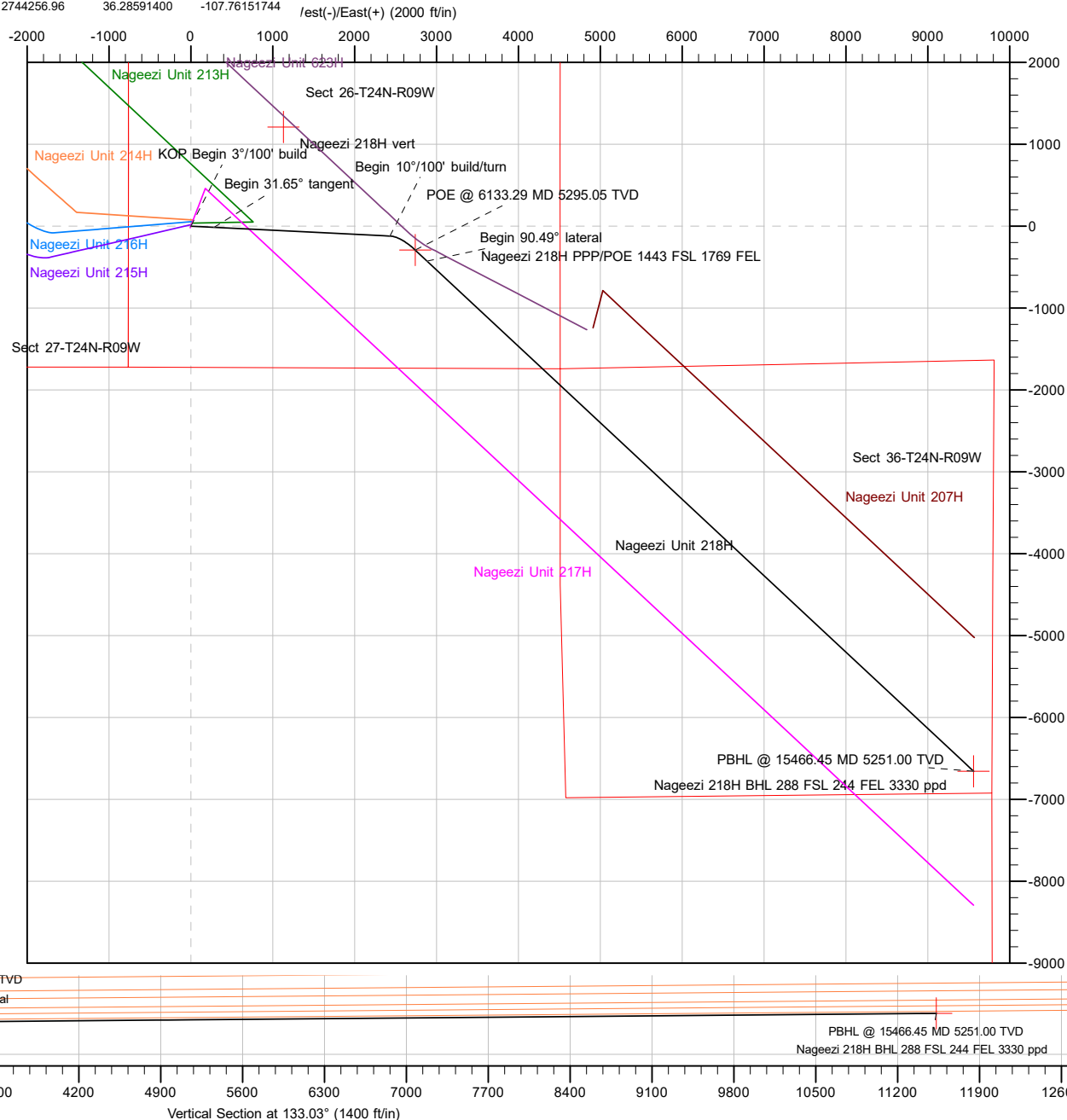
Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.49°

CASING DETAILS

TVD	MD	Size
350.00	350.00	13-3/8
3271.00	3632.96	9-5/8



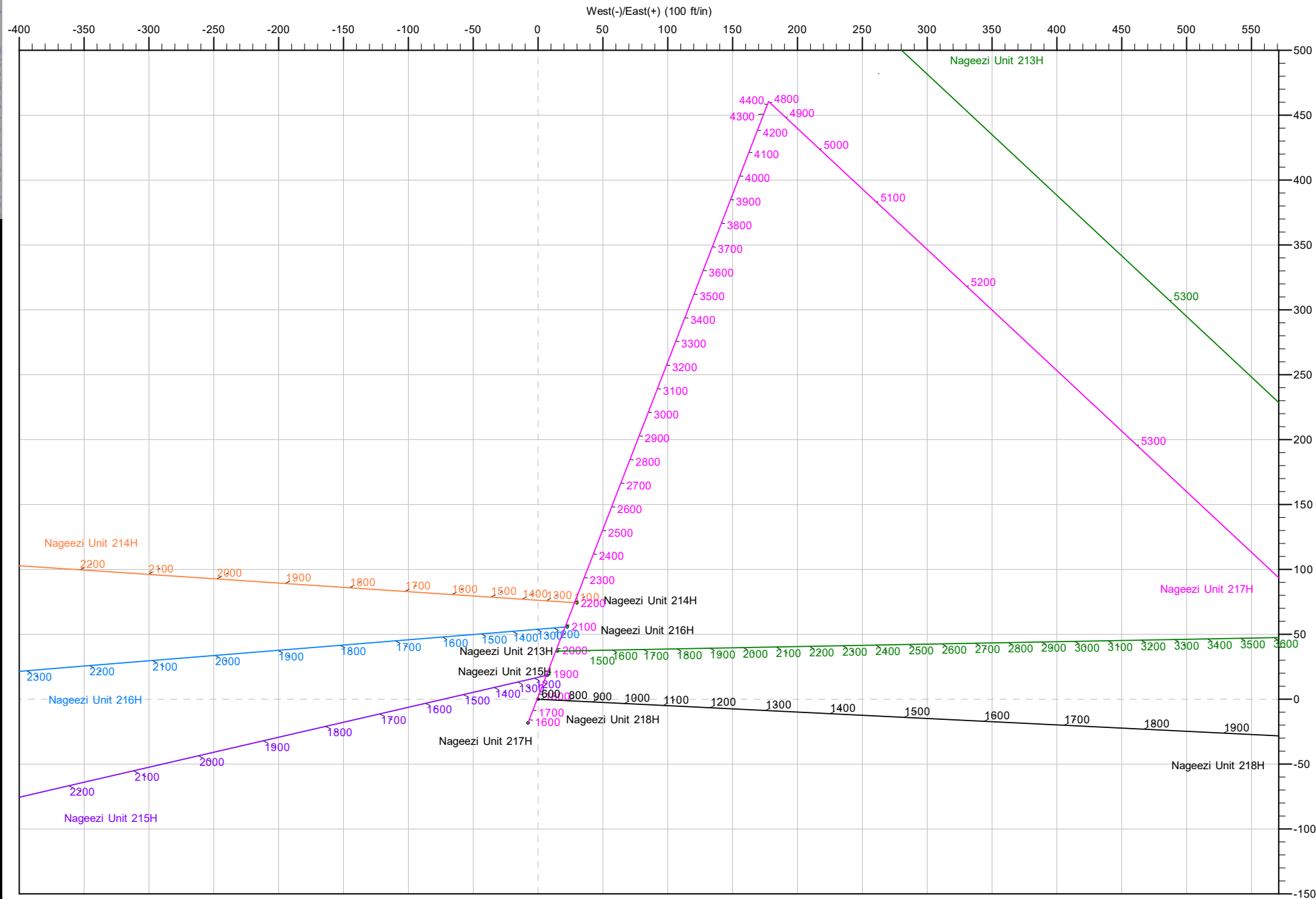
Section Details										Annotation
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3°/100° build
2	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	Begin 31.65° tangent
3	1555.10	31.65	92.83	1502.25	-14.01	283.76	3.00	92.83	216.99	Begin 10°/100° build/turn
4	5652.25	31.65	92.83	4989.90	-120.03	2431.22	0.00	0.00	1859.12	POE @ 6133.29 MD 5295.05 TVD
5	6133.29	70.00	133.03	5295.05	-290.62	2740.92	10.00	54.58	2201.92	Begin 90.49° lateral
6	6338.23	90.49	133.04	5329.58	-427.71	2887.77	10.00	0.01	2402.81	PBHL @ 15466.45 MD 5251.00 TVD
7	15466.45	90.49	133.04	5251.00	-6657.00	9559.67	0.00	0.00	11530.70	



(ft/in) (0002) (+)North/(-)thru



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





Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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	
From:		Easting:		2,743,140.65 usft	
Position Uncertainty:		Slot Radius:		13-3/16 "	
Lat/Long				Latitude: 36.28268900	
				Longitude: -107.76530800	

Well	Nageezi Unit 218H, Surf loc: 1705 FSL 754 FWL Section 26-T24N-R09W					
Well Position	+N/-S	0.00 ft	Northing:	1,922,167.99 usft	Latitude:	36.28258700
	+E/-W	0.00 ft	Easting:	2,743,125.64 usft	Longitude:	-107.76535900
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	49,065.92430133

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	133.03

Plan Survey Tool Program	Date	2/8/2024		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,466.40 rev0 (Original Hole)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,555.10	31.65	92.83	1,502.25	-14.01	283.76	3.00	3.00	0.00	92.83	
5,652.25	31.65	92.83	4,989.90	-120.03	2,431.22	0.00	0.00	0.00	0.00	
6,133.29	70.00	133.03	5,295.05	-290.62	2,740.92	10.00	7.97	8.36	54.58	Nageezi 218H PPP/P
6,338.23	90.49	133.04	5,329.58	-427.71	2,887.77	10.00	10.00	0.00	0.01	
15,466.45	90.49	133.04	5,251.00	-6,657.00	9,559.67	0.00	0.00	0.00	0.00	Nageezi 218H BHL 218



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
600.00	3.00	92.83	599.95	-0.13	2.61	2.00	3.00	3.00	0.00
700.00	6.00	92.83	699.63	-0.52	10.45	7.99	3.00	3.00	0.00
800.00	9.00	92.83	798.77	-1.16	23.48	17.96	3.00	3.00	0.00
832.49	9.97	92.83	830.82	-1.42	28.83	22.05	3.00	3.00	0.00
Ojo Alamo									
900.00	12.00	92.83	897.08	-2.06	41.68	31.88	3.00	3.00	0.00
960.08	13.80	92.83	955.65	-2.72	55.08	42.12	3.00	3.00	0.00
Kirtland									
1,000.00	15.00	92.83	994.31	-3.21	65.00	49.70	3.00	3.00	0.00
1,100.00	18.00	92.83	1,090.18	-4.61	93.36	71.39	3.00	3.00	0.00
1,200.00	21.00	92.83	1,184.43	-6.25	126.70	96.88	3.00	3.00	0.00
1,265.35	22.96	92.83	1,245.03	-7.46	151.13	115.56	3.00	3.00	0.00
Fruitland									
1,300.00	24.00	92.83	1,276.81	-8.14	164.92	126.11	3.00	3.00	0.00
1,400.00	27.00	92.83	1,367.06	-10.26	207.91	158.98	3.00	3.00	0.00
1,500.00	30.00	92.83	1,454.93	-12.62	255.56	195.42	3.00	3.00	0.00
1,555.10	31.65	92.83	1,502.25	-14.01	283.76	216.99	3.00	3.00	0.00
Begin 31.65° tangent									
1,600.00	31.65	92.83	1,540.46	-15.17	307.30	234.98	0.00	0.00	0.00
1,656.83	31.65	92.83	1,588.84	-16.64	337.08	257.76	0.00	0.00	0.00
Pictured Cliffs									
1,700.00	31.65	92.83	1,625.59	-17.76	359.71	275.06	0.00	0.00	0.00
1,785.55	31.65	92.83	1,698.41	-19.97	404.55	309.35	0.00	0.00	0.00
Lewis									
1,800.00	31.65	92.83	1,710.71	-20.35	412.12	315.14	0.00	0.00	0.00
1,900.00	31.65	92.83	1,795.84	-22.93	464.54	355.22	0.00	0.00	0.00
2,000.00	31.65	92.83	1,880.96	-25.52	516.95	395.30	0.00	0.00	0.00
2,100.00	31.65	92.83	1,966.09	-28.11	569.36	435.38	0.00	0.00	0.00
2,136.59	31.65	92.83	1,997.23	-29.06	588.54	450.05	0.00	0.00	0.00
Chacra_A									
2,200.00	31.65	92.83	2,051.21	-30.70	621.78	475.46	0.00	0.00	0.00
2,300.00	31.65	92.83	2,136.33	-33.28	674.19	515.54	0.00	0.00	0.00
2,400.00	31.65	92.83	2,221.46	-35.87	726.60	555.62	0.00	0.00	0.00
2,500.00	31.65	92.83	2,306.58	-38.46	779.02	595.70	0.00	0.00	0.00
2,600.00	31.65	92.83	2,391.71	-41.05	831.43	635.78	0.00	0.00	0.00
2,700.00	31.65	92.83	2,476.83	-43.63	883.85	675.86	0.00	0.00	0.00
2,800.00	31.65	92.83	2,561.95	-46.22	936.26	715.94	0.00	0.00	0.00
2,900.00	31.65	92.83	2,647.08	-48.81	988.67	756.02	0.00	0.00	0.00
3,000.00	31.65	92.83	2,732.20	-51.40	1,041.09	796.10	0.00	0.00	0.00
3,100.00	31.65	92.83	2,817.33	-53.98	1,093.50	836.18	0.00	0.00	0.00
3,200.00	31.65	92.83	2,902.45	-56.57	1,145.91	876.26	0.00	0.00	0.00
3,300.00	31.65	92.83	2,987.57	-59.16	1,198.33	916.34	0.00	0.00	0.00
3,400.00	31.65	92.83	3,072.70	-61.75	1,250.74	956.42	0.00	0.00	0.00
3,412.04	31.65	92.83	3,082.95	-62.06	1,257.05	961.25	0.00	0.00	0.00
Cliff House_Basal									



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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)
3,447.14	31.65	92.83	3,112.83	-62.97	1,275.45	975.32	0.00	0.00	0.00
Menefee									
3,500.00	31.65	92.83	3,157.82	-64.33	1,303.15	996.50	0.00	0.00	0.00
3,600.00	31.65	92.83	3,242.95	-66.92	1,355.57	1,036.58	0.00	0.00	0.00
3,632.96	31.65	92.83	3,271.00	-67.77	1,372.84	1,049.79	0.00	0.00	0.00
3,700.00	31.65	92.83	3,328.07	-69.51	1,407.98	1,076.66	0.00	0.00	0.00
3,800.00	31.65	92.83	3,413.20	-72.10	1,460.40	1,116.74	0.00	0.00	0.00
3,900.00	31.65	92.83	3,498.32	-74.68	1,512.81	1,156.82	0.00	0.00	0.00
4,000.00	31.65	92.83	3,583.44	-77.27	1,565.22	1,196.90	0.00	0.00	0.00
4,100.00	31.65	92.83	3,668.57	-79.86	1,617.64	1,236.98	0.00	0.00	0.00
4,200.00	31.65	92.83	3,753.69	-82.45	1,670.05	1,277.06	0.00	0.00	0.00
4,300.00	31.65	92.83	3,838.82	-85.03	1,722.46	1,317.14	0.00	0.00	0.00
4,400.00	31.65	92.83	3,923.94	-87.62	1,774.88	1,357.22	0.00	0.00	0.00
4,500.00	31.65	92.83	4,009.06	-90.21	1,827.29	1,397.30	0.00	0.00	0.00
4,541.22	31.65	92.83	4,044.16	-91.28	1,848.90	1,413.82	0.00	0.00	0.00
Point Lookout									
4,600.00	31.65	92.83	4,094.19	-92.80	1,879.70	1,437.38	0.00	0.00	0.00
4,700.00	31.65	92.83	4,179.31	-95.39	1,932.12	1,477.46	0.00	0.00	0.00
4,778.76	31.65	92.83	4,246.36	-97.42	1,973.40	1,509.03	0.00	0.00	0.00
Mancos									
4,800.00	31.65	92.83	4,264.44	-97.97	1,984.53	1,517.54	0.00	0.00	0.00
4,900.00	31.65	92.83	4,349.56	-100.56	2,036.95	1,557.62	0.00	0.00	0.00
5,000.00	31.65	92.83	4,434.68	-103.15	2,089.36	1,597.70	0.00	0.00	0.00
5,100.00	31.65	92.83	4,519.81	-105.74	2,141.77	1,637.78	0.00	0.00	0.00
5,200.00	31.65	92.83	4,604.93	-108.32	2,194.19	1,677.86	0.00	0.00	0.00
5,208.20	31.65	92.83	4,611.92	-108.54	2,198.49	1,681.15	0.00	0.00	0.00
MNCS_A									
5,300.00	31.65	92.83	4,690.06	-110.91	2,246.60	1,717.94	0.00	0.00	0.00
5,305.33	31.65	92.83	4,694.59	-111.05	2,249.39	1,720.07	0.00	0.00	0.00
MNCS_B									
5,400.00	31.65	92.83	4,775.18	-113.50	2,299.01	1,758.02	0.00	0.00	0.00
5,424.68	31.65	92.83	4,796.19	-114.14	2,311.95	1,767.91	0.00	0.00	0.00
MNCS_C									
5,477.34	31.65	92.83	4,841.01	-115.50	2,339.55	1,789.02	0.00	0.00	0.00
MNCS_Cms									
5,500.00	31.65	92.83	4,860.31	-116.09	2,351.43	1,798.10	0.00	0.00	0.00
5,600.00	31.65	92.83	4,945.43	-118.67	2,403.84	1,838.18	0.00	0.00	0.00
5,617.75	31.65	92.83	4,960.54	-119.13	2,413.15	1,845.29	0.00	0.00	0.00
MNCS_D									
5,652.25	31.65	92.83	4,989.90	-120.03	2,431.22	1,859.12	0.00	0.00	0.00
Begin 10°/100' build/turn									
5,700.00	34.62	99.68	5,029.90	-122.93	2,457.13	1,880.03	10.00	6.21	14.36
5,750.00	38.07	105.79	5,070.18	-129.52	2,485.98	1,905.62	10.00	6.91	12.21
5,753.61	38.33	106.20	5,073.02	-130.13	2,488.12	1,907.61	10.00	7.22	11.18
MNCS_E									
5,800.00	41.80	111.00	5,108.53	-139.69	2,516.39	1,934.79	10.00	7.47	10.35
5,839.95	44.92	114.63	5,137.58	-150.34	2,541.65	1,960.53	10.00	7.82	9.09
MNCS_F									
5,850.00	45.72	115.47	5,144.64	-153.36	2,548.12	1,967.32	10.00	7.99	8.46
5,900.00	49.80	119.38	5,178.25	-170.44	2,580.94	2,002.97	10.00	8.16	7.82
5,950.00	54.00	122.84	5,209.10	-190.79	2,614.59	2,041.45	10.00	8.39	6.92
5,963.29	55.13	123.70	5,216.81	-196.74	2,623.65	2,052.13	10.00	8.51	6.44
MNCS_G									



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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)
6,000.00	58.28	125.95	5,236.96	-214.26	2,648.83	2,082.49	10.00	8.59	6.12
6,050.00	62.64	128.77	5,261.61	-240.67	2,683.37	2,125.76	10.00	8.71	5.66
6,057.77	63.32	129.19	5,265.13	-245.02	2,688.75	2,132.66	10.00	8.77	5.39
MNCS_H									
6,100.00	67.04	131.39	5,282.86	-269.81	2,717.98	2,170.94	10.00	8.82	5.19
6,133.29	70.00	133.03	5,295.05	-290.62	2,740.92	2,201.92	10.00	8.88	4.94
POE @ 6133.29 MD 5295.05 TVD									
6,150.00	71.67	133.03	5,300.53	-301.39	2,752.46	2,217.70	10.00	10.00	0.00
6,187.37	75.41	133.03	5,311.12	-325.84	2,778.64	2,253.53	10.00	10.00	0.00
MNCS_I									
6,200.00	76.67	133.03	5,314.17	-334.20	2,787.61	2,265.79	10.00	10.00	0.00
6,250.00	81.67	133.03	5,323.56	-367.71	2,823.49	2,314.88	10.00	10.00	0.00
6,300.00	86.67	133.03	5,328.64	-401.64	2,859.84	2,364.61	10.00	10.00	0.00
6,338.23	90.49	133.04	5,329.58	-427.71	2,887.77	2,402.81	10.00	10.00	0.00
Begin 90.49° lateral									
6,400.00	90.49	133.04	5,329.05	-469.87	2,932.92	2,464.58	0.00	0.00	0.00
6,500.00	90.49	133.04	5,328.19	-538.11	3,006.01	2,564.58	0.00	0.00	0.00
6,600.00	90.49	133.04	5,327.33	-606.35	3,079.10	2,664.58	0.00	0.00	0.00
6,700.00	90.49	133.04	5,326.47	-674.60	3,152.19	2,764.57	0.00	0.00	0.00
6,800.00	90.49	133.04	5,325.61	-742.84	3,225.28	2,864.57	0.00	0.00	0.00
6,900.00	90.49	133.04	5,324.75	-811.08	3,298.37	2,964.57	0.00	0.00	0.00
7,000.00	90.49	133.04	5,323.89	-879.32	3,371.46	3,064.56	0.00	0.00	0.00
7,100.00	90.49	133.04	5,323.02	-947.56	3,444.56	3,164.56	0.00	0.00	0.00
7,200.00	90.49	133.04	5,322.16	-1,015.81	3,517.65	3,264.55	0.00	0.00	0.00
7,300.00	90.49	133.04	5,321.30	-1,084.05	3,590.74	3,364.55	0.00	0.00	0.00
7,400.00	90.49	133.04	5,320.44	-1,152.29	3,663.83	3,464.55	0.00	0.00	0.00
7,500.00	90.49	133.04	5,319.58	-1,220.53	3,736.92	3,564.54	0.00	0.00	0.00
7,600.00	90.49	133.04	5,318.72	-1,288.77	3,810.01	3,664.54	0.00	0.00	0.00
7,700.00	90.49	133.04	5,317.86	-1,357.02	3,883.10	3,764.54	0.00	0.00	0.00
7,800.00	90.49	133.04	5,317.00	-1,425.26	3,956.19	3,864.53	0.00	0.00	0.00
7,900.00	90.49	133.04	5,316.14	-1,493.50	4,029.28	3,964.53	0.00	0.00	0.00
8,000.00	90.49	133.04	5,315.28	-1,561.74	4,102.37	4,064.53	0.00	0.00	0.00
8,100.00	90.49	133.04	5,314.42	-1,629.98	4,175.47	4,164.52	0.00	0.00	0.00
8,200.00	90.49	133.04	5,313.55	-1,698.23	4,248.56	4,264.52	0.00	0.00	0.00
8,300.00	90.49	133.04	5,312.69	-1,766.47	4,321.65	4,364.51	0.00	0.00	0.00
8,400.00	90.49	133.04	5,311.83	-1,834.71	4,394.74	4,464.51	0.00	0.00	0.00
8,500.00	90.49	133.04	5,310.97	-1,902.95	4,467.83	4,564.51	0.00	0.00	0.00
8,600.00	90.49	133.04	5,310.11	-1,971.19	4,540.92	4,664.50	0.00	0.00	0.00
8,700.00	90.49	133.04	5,309.25	-2,039.44	4,614.01	4,764.50	0.00	0.00	0.00
8,800.00	90.49	133.04	5,308.39	-2,107.68	4,687.10	4,864.50	0.00	0.00	0.00
8,900.00	90.49	133.04	5,307.53	-2,175.92	4,760.19	4,964.49	0.00	0.00	0.00
9,000.00	90.49	133.04	5,306.67	-2,244.16	4,833.28	5,064.49	0.00	0.00	0.00
9,100.00	90.49	133.04	5,305.81	-2,312.40	4,906.37	5,164.48	0.00	0.00	0.00
9,200.00	90.49	133.04	5,304.95	-2,380.65	4,979.47	5,264.48	0.00	0.00	0.00
9,300.00	90.49	133.04	5,304.09	-2,448.89	5,052.56	5,364.48	0.00	0.00	0.00
9,400.00	90.49	133.04	5,303.22	-2,517.13	5,125.65	5,464.47	0.00	0.00	0.00
9,500.00	90.49	133.04	5,302.36	-2,585.37	5,198.74	5,564.47	0.00	0.00	0.00
9,600.00	90.49	133.04	5,301.50	-2,653.61	5,271.83	5,664.47	0.00	0.00	0.00
9,700.00	90.49	133.04	5,300.64	-2,721.86	5,344.92	5,764.46	0.00	0.00	0.00
9,800.00	90.49	133.04	5,299.78	-2,790.10	5,418.01	5,864.46	0.00	0.00	0.00
9,900.00	90.49	133.04	5,298.92	-2,858.34	5,491.10	5,964.45	0.00	0.00	0.00
10,000.00	90.49	133.04	5,298.06	-2,926.58	5,564.19	6,064.45	0.00	0.00	0.00
10,100.00	90.49	133.04	5,297.20	-2,994.82	5,637.28	6,164.45	0.00	0.00	0.00



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,200.00	90.49	133.04	5,296.34	-3,063.07	5,710.38	6,264.44	0.00	0.00	0.00
10,300.00	90.49	133.04	5,295.48	-3,131.31	5,783.47	6,364.44	0.00	0.00	0.00
10,400.00	90.49	133.04	5,294.62	-3,199.55	5,856.56	6,464.44	0.00	0.00	0.00
10,500.00	90.49	133.04	5,293.75	-3,267.79	5,929.65	6,564.43	0.00	0.00	0.00
10,600.00	90.49	133.04	5,292.89	-3,336.03	6,002.74	6,664.43	0.00	0.00	0.00
10,700.00	90.49	133.04	5,292.03	-3,404.28	6,075.83	6,764.43	0.00	0.00	0.00
10,800.00	90.49	133.04	5,291.17	-3,472.52	6,148.92	6,864.42	0.00	0.00	0.00
10,900.00	90.49	133.04	5,290.31	-3,540.76	6,222.01	6,964.42	0.00	0.00	0.00
11,000.00	90.49	133.04	5,289.45	-3,609.00	6,295.10	7,064.41	0.00	0.00	0.00
11,100.00	90.49	133.04	5,288.59	-3,677.24	6,368.19	7,164.41	0.00	0.00	0.00
11,200.00	90.49	133.04	5,287.73	-3,745.49	6,441.29	7,264.41	0.00	0.00	0.00
11,300.00	90.49	133.04	5,286.87	-3,813.73	6,514.38	7,364.40	0.00	0.00	0.00
11,400.00	90.49	133.04	5,286.01	-3,881.97	6,587.47	7,464.40	0.00	0.00	0.00
11,500.00	90.49	133.04	5,285.15	-3,950.21	6,660.56	7,564.40	0.00	0.00	0.00
11,600.00	90.49	133.04	5,284.29	-4,018.45	6,733.65	7,664.39	0.00	0.00	0.00
11,700.00	90.49	133.04	5,283.42	-4,086.70	6,806.74	7,764.39	0.00	0.00	0.00
11,800.00	90.49	133.04	5,282.56	-4,154.94	6,879.83	7,864.38	0.00	0.00	0.00
11,900.00	90.49	133.04	5,281.70	-4,223.18	6,952.92	7,964.38	0.00	0.00	0.00
12,000.00	90.49	133.04	5,280.84	-4,291.42	7,026.01	8,064.38	0.00	0.00	0.00
12,100.00	90.49	133.04	5,279.98	-4,359.66	7,099.10	8,164.37	0.00	0.00	0.00
12,200.00	90.49	133.04	5,279.12	-4,427.91	7,172.19	8,264.37	0.00	0.00	0.00
12,300.00	90.49	133.04	5,278.26	-4,496.15	7,245.29	8,364.37	0.00	0.00	0.00
12,400.00	90.49	133.04	5,277.40	-4,564.39	7,318.38	8,464.36	0.00	0.00	0.00
12,500.00	90.49	133.04	5,276.54	-4,632.63	7,391.47	8,564.36	0.00	0.00	0.00
12,600.00	90.49	133.04	5,275.68	-4,700.87	7,464.56	8,664.35	0.00	0.00	0.00
12,700.00	90.49	133.04	5,274.82	-4,769.12	7,537.65	8,764.35	0.00	0.00	0.00
12,800.00	90.49	133.04	5,273.95	-4,837.36	7,610.74	8,864.35	0.00	0.00	0.00
12,900.00	90.49	133.04	5,273.09	-4,905.60	7,683.83	8,964.34	0.00	0.00	0.00
13,000.00	90.49	133.04	5,272.23	-4,973.84	7,756.92	9,064.34	0.00	0.00	0.00
13,100.00	90.49	133.04	5,271.37	-5,042.08	7,830.01	9,164.34	0.00	0.00	0.00
13,200.00	90.49	133.04	5,270.51	-5,110.33	7,903.10	9,264.33	0.00	0.00	0.00
13,300.00	90.49	133.04	5,269.65	-5,178.57	7,976.20	9,364.33	0.00	0.00	0.00
13,400.00	90.49	133.04	5,268.79	-5,246.81	8,049.29	9,464.33	0.00	0.00	0.00
13,500.00	90.49	133.04	5,267.93	-5,315.05	8,122.38	9,564.32	0.00	0.00	0.00
13,600.00	90.49	133.04	5,267.07	-5,383.29	8,195.47	9,664.32	0.00	0.00	0.00
13,700.00	90.49	133.04	5,266.21	-5,451.54	8,268.56	9,764.31	0.00	0.00	0.00
13,800.00	90.49	133.04	5,265.35	-5,519.78	8,341.65	9,864.31	0.00	0.00	0.00
13,900.00	90.49	133.04	5,264.49	-5,588.02	8,414.74	9,964.31	0.00	0.00	0.00
14,000.00	90.49	133.04	5,263.62	-5,656.26	8,487.83	10,064.30	0.00	0.00	0.00
14,100.00	90.49	133.04	5,262.76	-5,724.50	8,560.92	10,164.30	0.00	0.00	0.00
14,200.00	90.49	133.04	5,261.90	-5,792.75	8,634.01	10,264.30	0.00	0.00	0.00
14,300.00	90.49	133.04	5,261.04	-5,860.99	8,707.10	10,364.29	0.00	0.00	0.00
14,400.00	90.49	133.04	5,260.18	-5,929.23	8,780.20	10,464.29	0.00	0.00	0.00
14,500.00	90.49	133.04	5,259.32	-5,997.47	8,853.29	10,564.28	0.00	0.00	0.00
14,600.00	90.49	133.04	5,258.46	-6,065.71	8,926.38	10,664.28	0.00	0.00	0.00
14,700.00	90.49	133.04	5,257.60	-6,133.96	8,999.47	10,764.28	0.00	0.00	0.00
14,800.00	90.49	133.04	5,256.74	-6,202.20	9,072.56	10,864.27	0.00	0.00	0.00
14,900.00	90.49	133.04	5,255.88	-6,270.44	9,145.65	10,964.27	0.00	0.00	0.00
15,000.00	90.49	133.04	5,255.02	-6,338.68	9,218.74	11,064.27	0.00	0.00	0.00
15,100.00	90.49	133.04	5,254.15	-6,406.92	9,291.83	11,164.26	0.00	0.00	0.00
15,200.00	90.49	133.04	5,253.29	-6,475.17	9,364.92	11,264.26	0.00	0.00	0.00
15,300.00	90.49	133.04	5,252.43	-6,543.41	9,438.01	11,364.25	0.00	0.00	0.00
15,400.00	90.49	133.04	5,251.57	-6,611.65	9,511.11	11,464.25	0.00	0.00	0.00
15,466.45	90.49	133.04	5,251.00	-6,657.00	9,559.67	11,530.70	0.00	0.00	0.00



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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)
PBHL @ 15466.45 MD 5251.00 TVD									

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00		13-3/8	17-1/2
3,632.96	3,271.00		9-5/8	12-1/4

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
832.49	830.82	Ojo Alamo		-0.48	133.03
960.08	955.65	Kirtland		-0.48	133.03
1,265.35	1,245.03	Fruitland		-0.48	133.03
1,656.83	1,588.84	Pictured Cliffs		-0.48	133.03
1,785.55	1,698.41	Lewis		-0.48	133.03
2,136.59	1,997.23	Chacra_A		-0.48	133.03
3,412.04	3,082.95	Cliff House_Basal		-0.48	133.03
3,447.14	3,112.83	Menefee		-0.48	133.03
4,541.22	4,044.16	Point Lookout		-0.48	133.03
4,778.76	4,246.36	Mancos		-0.48	133.03
5,208.20	4,611.92	MNCS_A		-0.48	133.03
5,305.33	4,694.59	MNCS_B		-0.48	133.03
5,424.68	4,796.19	MNCS_C		-0.48	133.03
5,477.34	4,841.01	MNCS_Cms		-0.48	133.03
5,617.75	4,960.54	MNCS_D		-0.48	133.03
5,753.61	5,073.02	MNCS_E		-0.48	133.03
5,839.95	5,137.58	MNCS_F		-0.48	133.03
5,963.29	5,216.81	MNCS_G		-0.48	133.03
6,057.77	5,265.13	MNCS_H		-0.48	133.03
6,187.37	5,311.12	MNCS_I		-0.48	133.03

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.00	500.00	0.00	0.00	KOP Begin 3°/100' build
1,555.10	1,502.25	-14.01	283.76	Begin 31.65° tangent
5,652.25	4,989.90	-120.03	2,431.22	Begin 10°/100' build/turn
6,133.29	5,295.05	-290.62	2,740.92	POE @ 6133.29 MD 5295.05 TVD
6,338.23	5,329.58	-427.71	2,887.77	Begin 90.49° lateral
15,466.45	5,251.00	-6,657.00	9,559.67	PBHL @ 15466.45 MD 5251.00 TVD



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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 218H, Surf loc: 1705 FSL 754 FWL Section 26-T24N-R09W						
Well Position	+N/-S	0.00 ft	Northing:	1,922,167.99	usft	Latitude:	36.28258700						
	+E/-W	0.00 ft	Easting:	2,743,125.64	usft	Longitude:	-107.76535900						
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	49,065.92430133

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	133.03	

Plan Survey Tool Program	Date	2/8/2024			
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	15,466.40 rev0 (Original Hole)	MWD		
			OWSG MWD - Standard		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,555.10	31.65	92.83	1,502.25	-14.01	283.76	3.00	3.00	0.00	92.83	
5,652.25	31.65	92.83	4,989.90	-120.03	2,431.22	0.00	0.00	0.00	0.00	
6,133.29	70.00	133.03	5,295.05	-290.62	2,740.92	10.00	7.97	8.36	54.58	Nageezi 218H PPP/P
6,338.23	90.49	133.04	5,329.58	-427.71	2,887.77	10.00	10.00	0.00	0.01	
15,466.45	90.49	133.04	5,251.00	-6,657.00	9,559.67	0.00	0.00	0.00	0.00	Nageezi 218H BHL 28



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
100.00	0.00	0.00	100.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
200.00	0.00	0.00	200.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
300.00	0.00	0.00	300.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
350.00	0.00	0.00	350.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
400.00	0.00	0.00	400.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
500.00	0.00	0.00	500.00	0.00	0.00	1,922,167.99	2,743,125.64	36.28258700	-107.76535900	
KOP Begin 3°/100' build										
600.00	3.00	92.83	599.95	-0.13	2.61	1,922,167.87	2,743,128.26	36.28258664	-107.76535014	
700.00	6.00	92.83	699.63	-0.52	10.45	1,922,167.48	2,743,136.09	36.28258556	-107.76532355	
800.00	9.00	92.83	798.77	-1.16	23.48	1,922,166.83	2,743,149.13	36.28258377	-107.76527932	
832.49	9.97	92.83	830.82	-1.42	28.83	1,922,166.57	2,743,154.48	36.28258303	-107.76526118	
Ojo Alamo										
900.00	12.00	92.83	897.08	-2.06	41.68	1,922,165.94	2,743,167.33	36.28258127	-107.76521758	
960.08	13.80	92.83	955.65	-2.72	55.08	1,922,165.27	2,743,180.73	36.28257942	-107.76517212	
Kirtland										
1,000.00	15.00	92.83	994.31	-3.21	65.00	1,922,164.79	2,743,190.64	36.28257806	-107.76513848	
1,100.00	18.00	92.83	1,090.18	-4.61	93.36	1,922,163.39	2,743,219.01	36.28257416	-107.76504225	
1,200.00	21.00	92.83	1,184.43	-6.25	126.70	1,922,161.74	2,743,252.34	36.28256957	-107.76492914	
1,265.35	22.96	92.83	1,245.03	-7.46	151.13	1,922,160.53	2,743,276.77	36.28256621	-107.76484626	
Fruitland										
1,300.00	24.00	92.83	1,276.81	-8.14	164.92	1,922,159.85	2,743,290.56	36.28256432	-107.76479948	
1,400.00	27.00	92.83	1,367.06	-10.26	207.91	1,922,157.73	2,743,333.55	36.28255840	-107.76465361	
1,500.00	30.00	92.83	1,454.93	-12.62	255.56	1,922,155.38	2,743,381.20	36.28255185	-107.76449193	
1,555.10	31.65	92.83	1,502.25	-14.01	283.76	1,922,153.99	2,743,409.41	36.28254797	-107.76439625	
Begin 31.65° tangent										
1,600.00	31.65	92.83	1,540.46	-15.17	307.30	1,922,152.82	2,743,432.94	36.28254473	-107.76431641	
1,656.83	31.65	92.83	1,588.84	-16.64	337.08	1,922,151.35	2,743,462.73	36.28254063	-107.76421535	
Pictured Cliffs										
1,700.00	31.65	92.83	1,625.59	-17.76	359.71	1,922,150.24	2,743,485.35	36.28253752	-107.76413858	
1,785.55	31.65	92.83	1,698.41	-19.97	404.55	1,922,148.02	2,743,530.19	36.28253135	-107.76398645	
Lewis										
1,800.00	31.65	92.83	1,710.71	-20.35	412.12	1,922,147.65	2,743,537.77	36.28253031	-107.76396075	
1,900.00	31.65	92.83	1,795.84	-22.93	464.54	1,922,145.06	2,743,590.18	36.28252310	-107.76378292	
2,000.00	31.65	92.83	1,880.96	-25.52	516.95	1,922,142.47	2,743,642.59	36.28251588	-107.76360509	
2,100.00	31.65	92.83	1,966.09	-28.11	569.36	1,922,139.89	2,743,695.01	36.28250867	-107.76342726	
2,136.59	31.65	92.83	1,997.23	-29.06	588.54	1,922,138.94	2,743,714.18	36.28250603	-107.76336219	
Chacra_A										
2,200.00	31.65	92.83	2,051.21	-30.70	621.78	1,922,137.30	2,743,747.42	36.28250146	-107.76324943	
2,300.00	31.65	92.83	2,136.33	-33.28	674.19	1,922,134.71	2,743,799.83	36.28249425	-107.76307160	
2,400.00	31.65	92.83	2,221.46	-35.87	726.60	1,922,132.12	2,743,852.25	36.28248703	-107.76289377	
2,500.00	31.65	92.83	2,306.58	-38.46	779.02	1,922,129.54	2,743,904.66	36.28247982	-107.76271594	
2,600.00	31.65	92.83	2,391.71	-41.05	831.43	1,922,126.95	2,743,957.07	36.28247261	-107.76253811	
2,700.00	31.65	92.83	2,476.83	-43.63	883.85	1,922,124.36	2,744,009.49	36.28246539	-107.76236028	
2,800.00	31.65	92.83	2,561.95	-46.22	936.26	1,922,121.77	2,744,061.90	36.28245818	-107.76218245	
2,900.00	31.65	92.83	2,647.08	-48.81	988.67	1,922,119.19	2,744,114.31	36.28245097	-107.76200462	
3,000.00	31.65	92.83	2,732.20	-51.40	1,041.09	1,922,116.60	2,744,166.73	36.28244375	-107.76182679	
3,100.00	31.65	92.83	2,817.33	-53.98	1,093.50	1,922,114.01	2,744,219.14	36.28243654	-107.76164896	
3,200.00	31.65	92.83	2,902.45	-56.57	1,145.91	1,922,111.42	2,744,271.56	36.28242932	-107.76147113	
3,300.00	31.65	92.83	2,987.57	-59.16	1,198.33	1,922,108.83	2,744,323.97	36.28242211	-107.76129330	
3,400.00	31.65	92.83	3,072.70	-61.75	1,250.74	1,922,106.25	2,744,376.38	36.28241489	-107.76111547	
3,412.04	31.65	92.83	3,082.95	-62.06	1,257.05	1,922,105.94	2,744,382.69	36.28241402	-107.76109406	
Cliff House Basal										



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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	
3,447.14	31.65	92.83	3,112.83	-62.97	1,275.45	1,922,105.03	2,744,401.09	36.28241149	-107.76103163	
Menefee										
3,500.00	31.65	92.83	3,157.82	-64.33	1,303.15	1,922,103.66	2,744,428.80	36.28240768	-107.76093764	
3,600.00	31.65	92.83	3,242.95	-66.92	1,355.57	1,922,101.07	2,744,481.21	36.28240046	-107.76075981	
3,632.96	31.65	92.83	3,271.00	-67.77	1,372.84	1,922,100.22	2,744,498.48	36.28239808	-107.76070121	
3,700.00	31.65	92.83	3,328.07	-69.51	1,407.98	1,922,098.48	2,744,533.62	36.28239324	-107.76058198	
3,800.00	31.65	92.83	3,413.20	-72.10	1,460.40	1,922,095.90	2,744,586.04	36.28238603	-107.76040415	
3,900.00	31.65	92.83	3,498.32	-74.68	1,512.81	1,922,093.31	2,744,638.45	36.28237881	-107.76022632	
4,000.00	31.65	92.83	3,583.44	-77.27	1,565.22	1,922,090.72	2,744,690.86	36.28237159	-107.76004849	
4,100.00	31.65	92.83	3,668.57	-79.86	1,617.64	1,922,088.13	2,744,743.28	36.28236438	-107.75987066	
4,200.00	31.65	92.83	3,753.69	-82.45	1,670.05	1,922,085.55	2,744,795.69	36.28235716	-107.75969283	
4,300.00	31.65	92.83	3,838.82	-85.03	1,722.46	1,922,082.96	2,744,848.10	36.28234994	-107.75951500	
4,400.00	31.65	92.83	3,923.94	-87.62	1,774.88	1,922,080.37	2,744,900.52	36.28234272	-107.75933718	
4,500.00	31.65	92.83	4,009.06	-90.21	1,827.29	1,922,077.78	2,744,952.93	36.28233550	-107.75915935	
4,541.22	31.65	92.83	4,044.16	-91.28	1,848.90	1,922,076.72	2,744,974.54	36.28233253	-107.75908604	
Point Lookout										
4,600.00	31.65	92.83	4,094.19	-92.80	1,879.70	1,922,075.20	2,745,005.34	36.28232828	-107.75898152	
4,700.00	31.65	92.83	4,179.31	-95.39	1,932.12	1,922,072.61	2,745,057.76	36.28232107	-107.75880369	
4,778.76	31.65	92.83	4,246.36	-97.42	1,973.40	1,922,070.57	2,745,099.04	36.28231538	-107.75866363	
Mancos										
4,800.00	31.65	92.83	4,264.44	-97.97	1,984.53	1,922,070.02	2,745,110.17	36.28231385	-107.75862586	
4,900.00	31.65	92.83	4,349.56	-100.56	2,036.95	1,922,067.43	2,745,162.59	36.28230663	-107.75844803	
5,000.00	31.65	92.83	4,434.68	-103.15	2,089.36	1,922,064.85	2,745,215.00	36.28229941	-107.75827020	
5,100.00	31.65	92.83	4,519.81	-105.74	2,141.77	1,922,062.26	2,745,267.41	36.28229219	-107.75809237	
5,200.00	31.65	92.83	4,604.93	-108.32	2,194.19	1,922,059.67	2,745,319.83	36.28228497	-107.75791454	
5,208.20	31.65	92.83	4,611.92	-108.54	2,198.49	1,922,059.46	2,745,324.13	36.28228438	-107.75789995	
MNCS_A										
5,300.00	31.65	92.83	4,690.06	-110.91	2,246.60	1,922,057.08	2,745,372.24	36.28227775	-107.75773671	
5,305.33	31.65	92.83	4,694.59	-111.05	2,249.39	1,922,056.95	2,745,375.03	36.28227736	-107.75772724	
MNCS_B										
5,400.00	31.65	92.83	4,775.18	-113.50	2,299.01	1,922,054.50	2,745,424.65	36.28227053	-107.75755888	
5,424.68	31.65	92.83	4,796.19	-114.14	2,311.95	1,922,053.86	2,745,437.59	36.28226874	-107.75751500	
MNCS_C										
5,477.34	31.65	92.83	4,841.01	-115.50	2,339.55	1,922,052.50	2,745,465.19	36.28226494	-107.75742136	
MNCS_Cms										
5,500.00	31.65	92.83	4,860.31	-116.09	2,351.43	1,922,051.91	2,745,477.07	36.28226331	-107.75738106	
5,600.00	31.65	92.83	4,945.43	-118.67	2,403.84	1,922,049.32	2,745,529.48	36.28225608	-107.75720323	
5,617.75	31.65	92.83	4,960.54	-119.13	2,413.15	1,922,048.86	2,745,538.78	36.28225480	-107.75717166	
MNCS_D										
5,652.25	31.65	92.83	4,989.90	-120.03	2,431.22	1,922,047.97	2,745,556.86	36.28225231	-107.75711032	
Begin 10°/100' build/turn										
5,700.00	34.62	99.68	5,029.90	-122.93	2,457.13	1,922,045.07	2,745,582.76	36.28224428	-107.75702245	
5,750.00	38.07	105.79	5,070.18	-129.52	2,485.98	1,922,038.48	2,745,611.62	36.28222612	-107.75692457	
5,753.61	38.33	106.20	5,073.02	-130.13	2,488.12	1,922,037.86	2,745,613.76	36.28222443	-107.75691729	
MNCS_E										
5,800.00	41.80	111.00	5,108.53	-139.69	2,516.39	1,922,028.31	2,745,642.03	36.28219811	-107.75682142	
5,839.95	44.92	114.63	5,137.58	-150.34	2,541.65	1,922,017.65	2,745,667.29	36.28216880	-107.75673573	
MNCS_F										
5,850.00	45.72	115.47	5,144.64	-153.36	2,548.12	1,922,014.63	2,745,673.76	36.28216047	-107.75671378	
5,900.00	49.80	119.38	5,178.25	-170.44	2,580.94	1,921,997.55	2,745,706.58	36.28211348	-107.75660248	
5,950.00	54.00	122.84	5,209.10	-190.79	2,614.59	1,921,977.20	2,745,740.23	36.28205751	-107.75648835	
5,963.29	55.13	123.70	5,216.81	-196.74	2,623.65	1,921,971.26	2,745,749.29	36.28204116	-107.75645764	
MNCS_G										



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey										
Measured			Vertical			Map		Map		
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting			
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude	
6,000.00	58.28	125.95	5,236.96	-214.26	2,648.83	1,921,953.73	2,745,774.46	36.28199297	-107.75637227	
6,050.00	62.64	128.77	5,261.61	-240.67	2,683.37	1,921,927.33	2,745,809.01	36.28192036	-107.75625512	
6,057.77	63.32	129.19	5,265.13	-245.02	2,688.75	1,921,922.98	2,745,814.39	36.28190839	-107.75623688	
MNCS_H										
6,100.00	67.04	131.39	5,282.86	-269.81	2,717.98	1,921,898.19	2,745,843.62	36.28184023	-107.75613779	
6,133.29	70.00	133.03	5,295.05	-290.62	2,740.92	1,921,877.37	2,745,866.56	36.28178300	-107.75606000	
POE @ 6133.29 MD 5295.05 TVD										
6,150.00	71.67	133.03	5,300.53	-301.39	2,752.46	1,921,866.61	2,745,878.09	36.28175340	-107.75602090	
6,187.37	75.41	133.03	5,311.12	-325.84	2,778.64	1,921,842.16	2,745,904.28	36.28168618	-107.75593210	
MNCS_I										
6,200.00	76.67	133.03	5,314.17	-334.20	2,787.61	1,921,833.79	2,745,913.25	36.28166317	-107.75590172	
6,250.00	81.67	133.03	5,323.56	-367.71	2,823.49	1,921,800.29	2,745,949.13	36.28157106	-107.75578005	
6,300.00	86.67	133.03	5,328.64	-401.64	2,859.84	1,921,766.35	2,745,985.48	36.28147776	-107.75565682	
6,338.23	90.49	133.04	5,329.58	-427.71	2,887.77	1,921,740.28	2,746,013.41	36.28140607	-107.75556214	
Begin 90.49° lateral										
6,400.00	90.49	133.04	5,329.05	-469.87	2,932.92	1,921,698.12	2,746,058.56	36.28129017	-107.75540906	
6,500.00	90.49	133.04	5,328.19	-538.11	3,006.01	1,921,629.88	2,746,131.65	36.28110254	-107.75516126	
6,600.00	90.49	133.04	5,327.33	-606.35	3,079.10	1,921,561.64	2,746,204.74	36.28091492	-107.75491346	
6,700.00	90.49	133.04	5,326.47	-674.60	3,152.19	1,921,493.40	2,746,277.83	36.28072729	-107.75466566	
6,800.00	90.49	133.04	5,325.61	-742.84	3,225.28	1,921,425.16	2,746,350.92	36.28053966	-107.75441786	
6,900.00	90.49	133.04	5,324.75	-811.08	3,298.37	1,921,356.92	2,746,424.01	36.28035203	-107.75417006	
7,000.00	90.49	133.04	5,323.89	-879.32	3,371.46	1,921,288.67	2,746,497.10	36.28016440	-107.75392226	
7,100.00	90.49	133.04	5,323.02	-947.56	3,444.56	1,921,220.43	2,746,570.19	36.27997677	-107.75367447	
7,200.00	90.49	133.04	5,322.16	-1,015.81	3,517.65	1,921,152.19	2,746,643.28	36.27978914	-107.75342667	
7,300.00	90.49	133.04	5,321.30	-1,084.05	3,590.74	1,921,083.95	2,746,716.37	36.27960151	-107.75317888	
7,400.00	90.49	133.04	5,320.44	-1,152.29	3,663.83	1,921,015.71	2,746,789.47	36.27941388	-107.75293109	
7,500.00	90.49	133.04	5,319.58	-1,220.53	3,736.92	1,920,947.46	2,746,862.56	36.27922625	-107.75268330	
7,600.00	90.49	133.04	5,318.72	-1,288.77	3,810.01	1,920,879.22	2,746,935.65	36.27903862	-107.75243551	
7,700.00	90.49	133.04	5,317.86	-1,357.02	3,883.10	1,920,810.98	2,747,008.74	36.27885098	-107.75218772	
7,800.00	90.49	133.04	5,317.00	-1,425.26	3,956.19	1,920,742.74	2,747,081.83	36.27866335	-107.75193993	
7,900.00	90.49	133.04	5,316.14	-1,493.50	4,029.28	1,920,674.50	2,747,154.92	36.27847572	-107.75169215	
8,000.00	90.49	133.04	5,315.28	-1,561.74	4,102.37	1,920,606.25	2,747,228.01	36.27828808	-107.75144436	
8,100.00	90.49	133.04	5,314.42	-1,629.98	4,175.47	1,920,538.01	2,747,301.10	36.27810045	-107.75119658	
8,200.00	90.49	133.04	5,313.55	-1,698.23	4,248.56	1,920,469.77	2,747,374.19	36.27791281	-107.75094880	
8,300.00	90.49	133.04	5,312.69	-1,766.47	4,321.65	1,920,401.53	2,747,447.28	36.27772518	-107.75070102	
8,400.00	90.49	133.04	5,311.83	-1,834.71	4,394.74	1,920,333.29	2,747,520.37	36.27753754	-107.75045324	
8,500.00	90.49	133.04	5,310.97	-1,902.95	4,467.83	1,920,265.05	2,747,593.46	36.27734990	-107.75020546	
8,600.00	90.49	133.04	5,310.11	-1,971.19	4,540.92	1,920,196.80	2,747,666.56	36.27716226	-107.74995768	
8,700.00	90.49	133.04	5,309.25	-2,039.44	4,614.01	1,920,128.56	2,747,739.65	36.27697463	-107.74970990	
8,800.00	90.49	133.04	5,308.39	-2,107.68	4,687.10	1,920,060.32	2,747,812.74	36.27678699	-107.74946213	
8,900.00	90.49	133.04	5,307.53	-2,175.92	4,760.19	1,919,992.08	2,747,885.83	36.27659935	-107.74921436	
9,000.00	90.49	133.04	5,306.67	-2,244.16	4,833.28	1,919,923.84	2,747,958.92	36.27641171	-107.74896658	
9,100.00	90.49	133.04	5,305.81	-2,312.40	4,906.37	1,919,855.59	2,748,032.01	36.27622407	-107.74871881	
9,200.00	90.49	133.04	5,304.95	-2,380.65	4,979.47	1,919,787.35	2,748,105.10	36.27603643	-107.74847104	
9,300.00	90.49	133.04	5,304.09	-2,448.89	5,052.56	1,919,719.11	2,748,178.19	36.27584879	-107.74822327	
9,400.00	90.49	133.04	5,303.22	-2,517.13	5,125.65	1,919,650.87	2,748,251.28	36.27566115	-107.74797550	
9,500.00	90.49	133.04	5,302.36	-2,585.37	5,198.74	1,919,582.63	2,748,324.37	36.27547350	-107.74772774	
9,600.00	90.49	133.04	5,301.50	-2,653.61	5,271.83	1,919,514.38	2,748,397.46	36.27528586	-107.74747997	
9,700.00	90.49	133.04	5,300.64	-2,721.86	5,344.92	1,919,446.14	2,748,470.55	36.27509822	-107.74723221	
9,800.00	90.49	133.04	5,299.78	-2,790.10	5,418.01	1,919,377.90	2,748,543.64	36.27491058	-107.74698444	
9,900.00	90.49	133.04	5,298.92	-2,858.34	5,491.10	1,919,309.66	2,748,616.74	36.27472293	-107.74673668	
10,000.00	90.49	133.04	5,298.06	-2,926.58	5,564.19	1,919,241.42	2,748,689.83	36.27453529	-107.74648892	
10,100.00	90.49	133.04	5,297.20	-2,994.82	5,637.28	1,919,173.18	2,748,762.92	36.27434764	-107.74624116	
10,200.00	90.49	133.04	5,296.34	-3,063.07	5,710.38	1,919,104.93	2,748,836.01	36.27416000	-107.74599340	



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,300.00	90.49	133.04	5,295.48	-3,131.31	5,783.47	1,919,036.69	2,748,909.10	36.27397235	-107.74574564	
10,400.00	90.49	133.04	5,294.62	-3,199.55	5,856.56	1,918,968.45	2,748,982.19	36.27378470	-107.74549789	
10,500.00	90.49	133.04	5,293.75	-3,267.79	5,929.65	1,918,900.21	2,749,055.28	36.27359705	-107.74525013	
10,600.00	90.49	133.04	5,292.89	-3,336.03	6,002.74	1,918,831.97	2,749,128.37	36.27340941	-107.74500238	
10,700.00	90.49	133.04	5,292.03	-3,404.28	6,075.83	1,918,763.72	2,749,201.46	36.27322176	-107.74475463	
10,800.00	90.49	133.04	5,291.17	-3,472.52	6,148.92	1,918,695.48	2,749,274.55	36.27303411	-107.74450688	
10,900.00	90.49	133.04	5,290.31	-3,540.76	6,222.01	1,918,627.24	2,749,347.64	36.27284646	-107.74425913	
11,000.00	90.49	133.04	5,289.45	-3,609.00	6,295.10	1,918,559.00	2,749,420.73	36.27265881	-107.74401138	
11,100.00	90.49	133.04	5,288.59	-3,677.24	6,368.19	1,918,490.76	2,749,493.83	36.27247116	-107.74376363	
11,200.00	90.49	133.04	5,287.73	-3,745.49	6,441.29	1,918,422.51	2,749,566.92	36.27228351	-107.74351588	
11,300.00	90.49	133.04	5,286.87	-3,813.73	6,514.38	1,918,354.27	2,749,640.01	36.27209586	-107.74326814	
11,400.00	90.49	133.04	5,286.01	-3,881.97	6,587.47	1,918,286.03	2,749,713.10	36.27190821	-107.74302039	
11,500.00	90.49	133.04	5,285.15	-3,950.21	6,660.56	1,918,217.79	2,749,786.19	36.27172055	-107.74277265	
11,600.00	90.49	133.04	5,284.29	-4,018.45	6,733.65	1,918,149.55	2,749,859.28	36.27153290	-107.74252491	
11,700.00	90.49	133.04	5,283.42	-4,086.70	6,806.74	1,918,081.31	2,749,932.37	36.27134525	-107.74227717	
11,800.00	90.49	133.04	5,282.56	-4,154.94	6,879.83	1,918,013.06	2,750,005.46	36.27115759	-107.74202943	
11,900.00	90.49	133.04	5,281.70	-4,223.18	6,952.92	1,917,944.82	2,750,078.55	36.27096994	-107.74178169	
12,000.00	90.49	133.04	5,280.84	-4,291.42	7,026.01	1,917,876.58	2,750,151.64	36.27078228	-107.74153395	
12,100.00	90.49	133.04	5,279.98	-4,359.66	7,099.10	1,917,808.34	2,750,224.73	36.27059463	-107.74128622	
12,200.00	90.49	133.04	5,279.12	-4,427.91	7,172.19	1,917,740.10	2,750,297.82	36.27040697	-107.74103848	
12,300.00	90.49	133.04	5,278.26	-4,496.15	7,245.29	1,917,671.85	2,750,370.92	36.27021932	-107.74079075	
12,400.00	90.49	133.04	5,277.40	-4,564.39	7,318.38	1,917,603.61	2,750,444.01	36.27003166	-107.74054301	
12,500.00	90.49	133.04	5,276.54	-4,632.63	7,391.47	1,917,535.37	2,750,517.10	36.26984400	-107.74029528	
12,600.00	90.49	133.04	5,275.68	-4,700.87	7,464.56	1,917,467.13	2,750,590.19	36.26965634	-107.74004755	
12,700.00	90.49	133.04	5,274.82	-4,769.12	7,537.65	1,917,398.89	2,750,663.28	36.26946868	-107.73979982	
12,800.00	90.49	133.04	5,273.95	-4,837.36	7,610.74	1,917,330.65	2,750,736.37	36.26928102	-107.73955210	
12,900.00	90.49	133.04	5,273.09	-4,905.60	7,683.83	1,917,262.40	2,750,809.46	36.26909337	-107.73930437	
13,000.00	90.49	133.04	5,272.23	-4,973.84	7,756.92	1,917,194.16	2,750,882.55	36.26890570	-107.73905664	
13,100.00	90.49	133.04	5,271.37	-5,042.08	7,830.01	1,917,125.92	2,750,955.64	36.26871804	-107.73880892	
13,200.00	90.49	133.04	5,270.51	-5,110.33	7,903.10	1,917,057.68	2,751,028.73	36.26853038	-107.73856120	
13,300.00	90.49	133.04	5,269.65	-5,178.57	7,976.20	1,916,989.44	2,751,101.82	36.26834272	-107.73831348	
13,400.00	90.49	133.04	5,268.79	-5,246.81	8,049.29	1,916,921.19	2,751,174.91	36.26815506	-107.73806576	
13,500.00	90.49	133.04	5,267.93	-5,315.05	8,122.38	1,916,852.95	2,751,248.00	36.26796740	-107.73781804	
13,600.00	90.49	133.04	5,267.07	-5,383.29	8,195.47	1,916,784.71	2,751,321.10	36.26777973	-107.73757032	
13,700.00	90.49	133.04	5,266.21	-5,451.54	8,268.56	1,916,716.47	2,751,394.19	36.26759207	-107.73732260	
13,800.00	90.49	133.04	5,265.35	-5,519.78	8,341.65	1,916,648.23	2,751,467.28	36.26740440	-107.73707488	
13,900.00	90.49	133.04	5,264.49	-5,588.02	8,414.74	1,916,579.98	2,751,540.37	36.26721674	-107.73682717	
14,000.00	90.49	133.04	5,263.62	-5,656.26	8,487.83	1,916,511.74	2,751,613.46	36.26702907	-107.73657946	
14,100.00	90.49	133.04	5,262.76	-5,724.50	8,560.92	1,916,443.50	2,751,686.55	36.26684141	-107.73633174	
14,200.00	90.49	133.04	5,261.90	-5,792.75	8,634.01	1,916,375.26	2,751,759.64	36.26665374	-107.73608403	
14,300.00	90.49	133.04	5,261.04	-5,860.99	8,707.10	1,916,307.02	2,751,832.73	36.26646608	-107.73583632	
14,400.00	90.49	133.04	5,260.18	-5,929.23	8,780.20	1,916,238.78	2,751,905.82	36.26627841	-107.73558861	
14,500.00	90.49	133.04	5,259.32	-5,997.47	8,853.29	1,916,170.53	2,751,978.91	36.26609074	-107.73534091	
14,600.00	90.49	133.04	5,258.46	-6,065.71	8,926.38	1,916,102.29	2,752,052.00	36.26590307	-107.73509320	
14,700.00	90.49	133.04	5,257.60	-6,133.96	8,999.47	1,916,034.05	2,752,125.09	36.26571540	-107.73484550	
14,800.00	90.49	133.04	5,256.74	-6,202.20	9,072.56	1,915,965.81	2,752,198.19	36.26552773	-107.73459779	
14,900.00	90.49	133.04	5,255.88	-6,270.44	9,145.65	1,915,897.57	2,752,271.28	36.26534006	-107.73435009	
15,000.00	90.49	133.04	5,255.02	-6,338.68	9,218.74	1,915,829.32	2,752,344.37	36.26515239	-107.73410239	
15,100.00	90.49	133.04	5,254.15	-6,406.92	9,291.83	1,915,761.08	2,752,417.46	36.26496472	-107.73385469	
15,200.00	90.49	133.04	5,253.29	-6,475.17	9,364.92	1,915,692.84	2,752,490.55	36.26477705	-107.73360699	
15,300.00	90.49	133.04	5,252.43	-6,543.41	9,438.01	1,915,624.60	2,752,563.64	36.26458938	-107.73335929	
15,400.00	90.49	133.04	5,251.57	-6,611.65	9,511.11	1,915,556.36	2,752,636.73	36.26440170	-107.73311159	
15,466.45	90.49	133.04	5,251.00	-6,657.00	9,559.67	1,915,511.01	2,752,685.30	36.26427700	-107.73294700	
PBHL @ 15466.45 MD 5251.00 TVD										



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
Nageezi 218H BHL 288	0.00	0.00	5,251.00	-6,657.00	9,559.67	1,915,511.01	2,752,685.30	36.26427700	-107.73294700
- plan hits target center									
- Point									
Nageezi 218H PPP/POE	0.00	0.00	5,295.05	-290.62	2,740.92	1,921,877.37	2,745,866.56	36.28178300	-107.75606000
- plan hits target center									
- Point									
Nageezi 218H vert	0.00	0.00	5,350.00	1,211.93	1,131.32	1,923,379.92	2,744,256.96	36.28591400	-107.76151745
- plan misses target center by 1850.95ft at 5242.98ft MD (4641.52 TVD, -109.44 N, 2216.71 E)									
- Point									

Casing Points				
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter
(ft)	(ft)		(")	(")
350.00	350.00		13-3/8	17-1/2
3,632.96	3,271.00		9-5/8	12-1/4

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
832.49	830.82	Ojo Alamo		-0.48	133.03
960.08	955.65	Kirtland		-0.48	133.03
1,265.35	1,245.03	Fruitland		-0.48	133.03
1,656.83	1,588.84	Pictured Cliffs		-0.48	133.03
1,785.55	1,698.41	Lewis		-0.48	133.03
2,136.59	1,997.23	Chacra_A		-0.48	133.03
3,412.04	3,082.95	Cliff House_Basal		-0.48	133.03
3,447.14	3,112.83	Menefee		-0.48	133.03
4,541.22	4,044.16	Point Lookout		-0.48	133.03
4,778.76	4,246.36	Mancos		-0.48	133.03
5,208.20	4,611.92	MNCS_A		-0.48	133.03
5,305.33	4,694.59	MNCS_B		-0.48	133.03
5,424.68	4,796.19	MNCS_C		-0.48	133.03
5,477.34	4,841.01	MNCS_Cms		-0.48	133.03
5,617.75	4,960.54	MNCS_D		-0.48	133.03
5,753.61	5,073.02	MNCS_E		-0.48	133.03
5,839.95	5,137.58	MNCS_F		-0.48	133.03
5,963.29	5,216.81	MNCS_G		-0.48	133.03
6,057.77	5,265.13	MNCS_H		-0.48	133.03
6,187.37	5,311.12	MNCS_I		-0.48	133.03



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
500.00	500.00	0.00	0.00	KOP Begin 3°/100' build	
1,555.10	1,502.25	-14.01	283.76	Begin 31.65° tangent	
5,652.25	4,989.90	-120.03	2,431.22	Begin 10°/100' build/turn	
6,133.29	5,295.05	-290.62	2,740.92	POE @ 6133.29 MD 5295.05 TVD	
6,338.23	5,329.58	-427.71	2,887.77	Begin 90.49° lateral	
15,466.45	5,251.00	-6,657.00	9,559.67	PBHL @ 15466.45 MD 5251.00 TVD	



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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 1,746.73ft	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	15,466.40	rev0 (Original Hole)	MWD	OWSG MWD - Standard	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured	Offset Measured	Distance		Separation Factor	Warning
	Depth (ft)	Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
Nageezi Unit (207, 209, 211, 623 & 626)						
Nageezi Unit 207H - Original Hole - rev0	14,355.00	11,313.83	1,200.00	827.52	3.222	CC
Nageezi Unit 207H - Original Hole - rev0	14,400.00	11,316.15	1,200.75	825.84	3.203	ES
Nageezi Unit 207H - Original Hole - rev0	14,500.00	11,316.15	1,208.44	830.70	3.199	SF
Nageezi Unit 623H - Original Hole - rev0	6,013.20	5,839.04	108.58	19.84	1.223	Level 3<2.00, CC, ES, SF
Nageezi Unit (213, 214, 215, 216, 217 & 218)						
Nageezi Unit 213H - Original Hole - rev0	724.29	723.77	37.84	32.84	7.567	CC, ES
Nageezi Unit 213H - Original Hole - rev0	800.00	798.77	39.23	33.68	7.071	SF
Nageezi Unit 214H - Original Hole - rev0	817.40	815.94	75.67	69.99	13.322	CC, ES
Nageezi Unit 214H - Original Hole - rev0	1,000.00	994.31	85.02	77.96	12.039	SF
Nageezi Unit 215H - Original Hole - rev0	656.77	656.59	18.91	14.39	4.186	CC, ES
Nageezi Unit 215H - Original Hole - rev0	700.00	699.63	19.34	14.51	4.009	SF
Nageezi Unit 216H - Original Hole - rev0	775.76	774.80	56.76	51.39	10.563	CC
Nageezi Unit 216H - Original Hole - rev0	800.00	798.77	56.88	51.33	10.250	ES
Nageezi Unit 216H - Original Hole - rev0	900.00	897.08	60.82	54.53	9.665	SF
Nageezi Unit 217H - Original Hole - rev0	500.00	500.00	19.75	16.34	5.799	CC, ES
Nageezi Unit 217H - Original Hole - rev0	15,467.26	16,848.51	1,195.34	669.88	2.275	SF

Offset Design:	Nageezi Unit (207, 209, 211, 623 & 626) - Nageezi Unit 207H - Original Hole - rev0												Offset Site Error:	0.00 ft
	Survey Program:		0-MWD		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Offset Well Error:	0.00 ft
Reference	Vertical	Measured	Vertical	Reference	Offset	Highside				Distance				Warning
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,000.00	5,323.89	4,950.00	4,907.59	72.73	18.90	-72.21	-804.20	5,049.47	1,725.57	1,671.43	54.14	31.872		
7,100.00	5,323.02	4,972.62	4,929.12	74.61	18.95	-73.14	-808.94	5,054.54	1,658.42	1,601.60	56.81	29.192		
7,200.00	5,322.16	5,000.00	4,954.78	76.52	19.01	-74.28	-815.45	5,061.51	1,594.88	1,535.01	59.87	26.639		
7,300.00	5,321.30	5,000.00	4,954.78	78.45	19.01	-74.28	-815.45	5,061.51	1,534.51	1,470.95	63.56	24.144		
7,400.00	5,320.44	5,000.00	4,954.78	80.40	19.01	-74.28	-815.45	5,061.51	1,478.44	1,410.76	67.68	21.845		
7,500.00	5,319.58	5,026.86	4,979.49	82.36	19.06	-75.38	-822.64	5,069.21	1,426.59	1,354.61	71.98	19.819		
7,600.00	5,318.72	5,050.00	5,000.35	84.35	19.10	-76.32	-829.46	5,076.52	1,379.65	1,303.01	76.65	18.000		
7,700.00	5,317.86	5,066.84	5,015.28	86.36	19.13	-77.00	-834.78	5,082.22	1,337.87	1,256.22	81.65	16.385		
7,800.00	5,317.00	5,100.00	5,043.96	88.38	19.19	-78.31	-846.13	5,094.37	1,301.68	1,215.01	86.67	15.019		
7,900.00	5,316.14	5,121.05	5,061.65	90.41	19.22	-79.13	-853.91	5,102.71	1,271.15	1,179.20	91.95	13.825		
8,000.00	5,315.28	5,150.00	5,085.28	92.46	19.26	-80.23	-865.33	5,114.94	1,246.57	1,149.45	97.12	12.835		

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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 (207, 209, 211, 623 & 626) - Nageezi Unit 207H - Original Hole - rev0												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)		
8,100.00	5,314.42	5,200.00	5,123.98	94.52	19.33	-82.04	-886.92	5,138.05	1,227.77	1,125.89	101.88	12.052	
8,200.00	5,313.55	5,250.00	5,159.79	96.59	19.38	-83.74	-910.73	5,163.54	1,214.49	1,108.07	106.42	11.412	
8,300.00	5,312.69	5,305.92	5,196.05	98.68	19.44	-85.47	-939.75	5,194.63	1,206.11	1,095.50	110.61	10.904	
8,400.00	5,311.83	5,376.85	5,235.80	100.77	19.52	-87.39	-979.81	5,237.53	1,201.74	1,087.45	114.28	10.515	
8,500.00	5,310.97	5,460.12	5,272.79	102.88	19.80	-89.18	-1,030.67	5,291.99	1,200.17	1,082.66	117.51	10.213	
8,554.59	5,310.50	5,510.55	5,289.80	104.03	20.14	-90.01	-1,063.07	5,326.68	1,200.02	1,080.85	119.17	10.070	
8,600.00	5,310.11	5,554.80	5,301.23	104.99	20.49	-90.58	-1,092.24	5,357.92	1,200.08	1,079.57	120.51	9.958	
8,700.00	5,309.25	5,657.39	5,314.85	107.11	21.44	-91.27	-1,161.54	5,432.14	1,200.31	1,076.80	123.51	9.718	
8,800.00	5,308.39	5,758.83	5,314.65	109.25	22.57	-91.30	-1,230.76	5,506.27	1,200.32	1,073.53	126.79	9.467	
8,900.00	5,307.53	5,858.83	5,313.63	111.38	23.84	-91.29	-1,299.00	5,579.36	1,200.31	1,070.04	130.28	9.214	
9,000.00	5,306.67	5,958.83	5,312.61	113.53	25.26	-91.29	-1,367.24	5,652.45	1,200.31	1,066.39	133.92	8.963	
9,100.00	5,305.81	6,058.83	5,311.59	115.68	26.81	-91.28	-1,435.49	5,725.54	1,200.30	1,062.61	137.69	8.717	
9,200.00	5,304.95	6,158.83	5,310.57	117.84	28.45	-91.27	-1,503.73	5,798.62	1,200.30	1,058.72	141.58	8.478	
9,300.00	5,304.09	6,258.83	5,309.55	120.01	30.19	-91.26	-1,571.97	5,871.71	1,200.29	1,054.74	145.55	8.246	
9,400.00	5,303.22	6,358.83	5,308.53	122.18	32.00	-91.26	-1,640.22	5,944.80	1,200.28	1,050.67	149.61	8.023	
9,500.00	5,302.36	6,458.83	5,307.51	124.36	33.87	-91.25	-1,708.46	6,017.89	1,200.28	1,046.55	153.73	7.808	
9,600.00	5,301.50	6,558.83	5,306.49	126.54	35.79	-91.24	-1,776.70	6,090.98	1,200.27	1,042.36	157.91	7.601	
9,700.00	5,300.64	6,658.83	5,305.48	128.73	37.76	-91.23	-1,844.95	6,164.06	1,200.26	1,038.13	162.13	7.403	
9,800.00	5,299.78	6,758.83	5,304.46	130.92	39.76	-91.23	-1,913.19	6,237.15	1,200.26	1,033.86	166.40	7.213	
9,900.00	5,298.92	6,858.83	5,303.44	133.12	41.80	-91.22	-1,981.43	6,310.24	1,200.25	1,029.56	170.69	7.032	
10,000.00	5,298.06	6,958.83	5,302.42	135.32	43.87	-91.21	-2,049.67	6,383.33	1,200.25	1,025.22	175.02	6.858	
10,100.00	5,297.20	7,058.83	5,301.40	137.53	45.96	-91.20	-2,117.92	6,456.41	1,200.24	1,020.86	179.38	6.691	
10,200.00	5,296.34	7,158.83	5,300.38	139.74	48.07	-91.20	-2,186.16	6,529.50	1,200.23	1,016.48	183.76	6.532	
10,300.00	5,295.48	7,258.83	5,299.36	141.95	50.20	-91.19	-2,254.40	6,602.59	1,200.23	1,012.07	188.16	6.379	
10,400.00	5,294.62	7,358.83	5,298.34	144.17	52.34	-91.18	-2,322.65	6,675.68	1,200.22	1,007.65	192.57	6.233	
10,500.00	5,293.75	7,458.83	5,297.32	146.39	54.50	-91.17	-2,390.89	6,748.77	1,200.22	1,003.21	197.00	6.092	
10,600.00	5,292.89	7,558.83	5,296.30	148.61	56.68	-91.17	-2,459.13	6,821.85	1,200.21	998.76	201.45	5.958	
10,700.00	5,292.03	7,658.83	5,295.28	150.83	58.86	-91.16	-2,527.38	6,894.94	1,200.20	994.29	205.91	5.829	
10,800.00	5,291.17	7,758.83	5,294.26	153.06	61.06	-91.15	-2,595.62	6,968.03	1,200.20	989.82	210.38	5.705	
10,900.00	5,290.31	7,858.83	5,293.24	155.30	63.26	-91.14	-2,663.86	7,041.12	1,200.19	985.33	214.86	5.586	
11,000.00	5,289.45	7,958.83	5,292.22	157.53	65.47	-91.14	-2,732.10	7,114.20	1,200.19	980.84	219.35	5.472	
11,100.00	5,288.59	8,058.83	5,291.20	159.77	67.69	-91.13	-2,800.35	7,187.29	1,200.18	976.33	223.85	5.362	
11,200.00	5,287.73	8,158.83	5,290.18	162.01	69.92	-91.12	-2,868.59	7,260.38	1,200.17	971.82	228.35	5.256	
11,300.00	5,286.87	8,258.83	5,289.17	164.25	72.15	-91.11	-2,936.83	7,333.47	1,200.17	967.30	232.87	5.154	
11,400.00	5,286.01	8,358.83	5,288.15	166.49	74.38	-91.10	-3,005.08	7,406.56	1,200.16	962.78	237.39	5.056	
11,500.00	5,285.15	8,458.83	5,287.13	168.74	76.63	-91.10	-3,073.32	7,479.64	1,200.16	958.24	241.91	4.961	
11,600.00	5,284.29	8,558.83	5,286.11	170.99	78.87	-91.09	-3,141.56	7,552.73	1,200.15	953.71	246.44	4.870	
11,700.00	5,283.42	8,658.83	5,285.09	173.24	81.12	-91.08	-3,209.80	7,625.82	1,200.14	949.17	250.98	4.782	
11,800.00	5,282.56	8,758.83	5,284.07	175.49	83.38	-91.07	-3,278.05	7,698.91	1,200.14	944.62	255.52	4.697	
11,900.00	5,281.70	8,858.83	5,283.05	177.74	85.64	-91.07	-3,346.29	7,772.00	1,200.13	940.07	260.06	4.615	
12,000.00	5,280.84	8,958.83	5,282.03	180.00	87.90	-91.06	-3,414.53	7,845.08	1,200.13	935.51	264.61	4.535	
12,100.00	5,279.98	9,058.83	5,281.01	182.26	90.16	-91.05	-3,482.78	7,918.17	1,200.12	930.95	269.17	4.459	
12,200.00	5,279.12	9,158.83	5,279.99	184.51	92.43	-91.04	-3,551.02	7,991.26	1,200.11	926.39	273.72	4.384	
12,300.00	5,278.26	9,258.83	5,278.97	186.78	94.70	-91.04	-3,619.26	8,064.35	1,200.11	921.83	278.28	4.313	
12,400.00	5,277.40	9,358.83	5,277.95	189.04	96.97	-91.03	-3,687.51	8,137.43	1,200.10	917.26	282.85	4.243	
12,500.00	5,276.54	9,458.83	5,276.93	191.30	99.25	-91.02	-3,755.75	8,210.52	1,200.10	912.69	287.41	4.176	
12,600.00	5,275.68	9,558.83	5,275.91	193.57	101.52	-91.01	-3,823.99	8,283.61	1,200.09	908.11	291.98	4.110	
12,700.00	5,274.82	9,658.83	5,274.89	195.83	103.80	-91.01	-3,892.23	8,356.70	1,200.09	903.53	296.55	4.047	
12,800.00	5,273.95	9,758.83	5,273.87	198.10	106.08	-91.00	-3,960.48	8,429.79	1,200.08	898.96	301.13	3.985	
12,900.00	5,273.09	9,858.83	5,272.86	200.37	108.37	-90.99	-4,028.72	8,502.87	1,200.08	894.37	305.70	3.926	
13,000.00	5,272.23	9,958.83	5,271.84	202.64	110.65	-90.98	-4,096.96	8,575.96	1,200.07	889.79	310.28	3.868	
13,100.00	5,271.37	10,058.83	5,270.82	204.91	112.93	-90.98	-4,165.21	8,649.05	1,200.06	885.20	314.86	3.811	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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 (207, 209, 211, 623 & 626) - Nageezi Unit 207H - Original Hole - rev0													Offset Site Error:		0.00 ft		
Survey Program:		0-MWD					Rule Assigned:							Offset Well Error:		0.00 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)						
13,200.00	5,270.51	10,158.83	5,269.80	207.18	115.22	-90.97	-4,233.45	8,722.14	1,200.06	880.62	319.44	3.757					
13,300.00	5,269.65	10,258.83	5,268.78	209.46	117.51	-90.96	-4,301.69	8,795.23	1,200.05	876.03	324.03	3.704					
13,400.00	5,268.79	10,358.83	5,267.76	211.73	119.80	-90.95	-4,369.94	8,868.31	1,200.05	871.44	328.61	3.652					
13,500.00	5,267.93	10,458.83	5,266.74	214.01	122.09	-90.95	-4,438.18	8,941.40	1,200.04	866.84	333.20	3.602					
13,600.00	5,267.07	10,558.83	5,265.72	216.28	124.38	-90.94	-4,506.42	9,014.49	1,200.04	862.25	337.79	3.553					
13,700.00	5,266.21	10,658.83	5,264.70	218.56	126.67	-90.93	-4,574.66	9,087.58	1,200.03	857.65	342.38	3.505					
13,800.00	5,265.35	10,758.83	5,263.68	220.84	128.97	-90.92	-4,642.91	9,160.66	1,200.03	853.06	346.97	3.459					
13,900.00	5,264.49	10,858.83	5,262.66	223.12	131.26	-90.92	-4,711.15	9,233.75	1,200.02	848.46	351.56	3.413					
14,000.00	5,263.62	10,958.83	5,261.64	225.40	133.56	-90.91	-4,779.39	9,306.84	1,200.02	843.86	356.16	3.369					
14,100.00	5,262.76	11,058.83	5,260.62	227.68	135.86	-90.90	-4,847.64	9,379.93	1,200.01	839.26	360.75	3.326					
14,200.00	5,261.90	11,158.83	5,259.60	229.96	138.15	-90.89	-4,915.88	9,453.02	1,200.00	834.65	365.35	3.285					
14,300.00	5,261.04	11,258.83	5,258.58	232.25	140.45	-90.89	-4,984.12	9,526.10	1,200.00	830.05	369.95	3.244					
14,355.00	5,260.57	11,313.83	5,258.02	233.50	141.72	-90.88	-5,021.66	9,566.30	1,200.00	827.52	372.48	3.222 CC					
14,400.00	5,260.18	11,316.15	5,258.00	234.53	141.77	-90.88	-5,023.24	9,568.00	1,200.75	825.84	374.91	3.203 ES					
14,500.00	5,259.32	11,316.15	5,258.00	236.81	141.77	-90.88	-5,023.24	9,568.00	1,208.44	830.70	377.74	3.199 SF					
14,600.00	5,258.46	11,316.15	5,258.00	239.10	141.77	-90.88	-5,023.24	9,568.00	1,224.28	847.34	376.94	3.248					
14,700.00	5,257.60	11,316.15	5,258.00	241.38	141.77	-90.88	-5,023.24	9,568.00	1,247.95	875.06	372.89	3.347					
14,800.00	5,256.74	11,316.15	5,258.00	243.67	141.77	-90.88	-5,023.24	9,568.00	1,279.02	912.88	366.14	3.493					
14,900.00	5,255.88	11,316.15	5,258.00	245.96	141.77	-90.88	-5,023.24	9,568.00	1,316.97	959.59	357.38	3.685					
15,000.00	5,255.02	11,316.15	5,258.00	248.25	141.77	-90.88	-5,023.24	9,568.00	1,361.23	1,013.98	347.25	3.920					
15,100.00	5,254.15	11,316.15	5,258.00	250.53	141.77	-90.88	-5,023.24	9,568.00	1,411.19	1,074.88	336.32	4.196					
15,200.00	5,253.29	11,316.15	5,258.00	252.82	141.77	-90.88	-5,023.24	9,568.00	1,466.28	1,141.24	325.04	4.511					
15,300.00	5,252.43	11,316.15	5,258.00	255.11	141.77	-90.88	-5,023.24	9,568.00	1,525.95	1,212.18	313.76	4.863					
15,400.00	5,251.57	11,316.15	5,258.00	257.40	141.77	-90.88	-5,023.24	9,568.00	1,589.66	1,286.94	302.72	5.251					
15,467.26	5,250.99	11,316.15	5,258.00	258.94	141.77	-90.88	-5,023.24	9,568.00	1,634.57	1,339.05	295.52	5.531					

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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 (207, 209, 211, 623 & 626) - Nageezi Unit 623H - Original Hole - rev0											Offset Site Error:		0.00 ft	
Survey Program: 0-MWD								Rule Assigned:				Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
4,200.00	3,753.69	4,986.91	4,512.31	35.26	39.93	14.52	-371.31	3,121.86	1,673.02	1,637.45	35.57	47.040		
4,300.00	3,838.82	5,038.61	4,557.63	36.34	40.43	14.58	-359.83	3,099.81	1,587.42	1,551.28	36.14	43.926		
4,400.00	3,923.94	5,090.31	4,602.96	37.42	40.92	14.63	-348.36	3,077.75	1,501.83	1,465.12	36.71	40.909		
4,500.00	4,009.06	5,142.00	4,648.28	38.50	41.42	14.70	-336.88	3,055.69	1,416.23	1,378.95	37.28	37.986		
4,600.00	4,094.19	5,193.70	4,693.61	39.58	41.92	14.77	-325.40	3,033.64	1,330.63	1,292.78	37.85	35.151		
4,700.00	4,179.31	5,245.40	4,738.93	40.66	42.42	14.86	-313.93	3,011.58	1,245.04	1,206.61	38.43	32.400		
4,800.00	4,264.44	5,297.09	4,784.26	41.74	42.92	14.95	-302.45	2,989.53	1,159.44	1,120.45	39.00	29.730		
4,900.00	4,349.56	5,348.79	4,829.58	42.82	43.42	15.06	-290.97	2,967.47	1,073.85	1,034.28	39.57	27.138		
5,000.00	4,434.68	5,400.49	4,874.91	43.90	43.92	15.19	-279.49	2,945.42	988.26	948.12	40.14	24.621		
5,100.00	4,519.81	6,301.63	5,317.24	44.98	58.09	-128.21	164.09	2,399.02	899.34	856.89	42.45	21.187		
5,200.00	4,604.93	6,261.96	5,317.05	46.06	57.30	-127.41	137.02	2,428.02	807.67	765.18	42.49	19.008		
5,300.00	4,690.06	6,222.29	5,316.86	47.14	56.51	-126.41	109.95	2,457.02	716.03	673.48	42.55	16.828		
5,400.00	4,775.18	6,182.62	5,316.67	48.22	55.72	-125.12	82.88	2,486.02	624.44	581.81	42.63	14.646		
5,500.00	4,860.31	5,978.82	5,281.52	49.30	51.74	-87.14	-53.36	2,631.96	527.43	491.46	35.97	14.662		
5,600.00	4,945.43	5,959.13	5,274.41	50.38	51.37	-73.20	-65.84	2,645.45	428.55	391.89	36.66	11.690		
5,700.00	5,029.90	5,946.47	5,269.53	51.48	51.14	-86.57	-73.72	2,654.06	330.35	292.29	38.06	8.680		
5,800.00	5,108.53	5,919.61	5,258.32	52.74	50.65	-100.34	-90.07	2,672.19	236.45	194.95	41.50	5.698		
5,900.00	5,178.25	5,884.05	5,241.78	54.15	50.02	-99.87	-110.86	2,695.82	154.57	102.71	51.86	2.980		
6,000.00	5,236.96	5,844.43	5,221.15	55.64	49.34	-89.27	-132.80	2,721.54	109.32	25.26	84.06	1.301	Level 3<2.00	
6,013.20	5,243.78	5,839.04	5,218.16	55.85	49.25	-87.15	-135.68	2,724.99	108.58	19.84	88.75	1.223	Level 3<2.00, CC, ES, SF	
6,100.00	5,282.86	5,800.00	5,195.35	57.18	48.61	-68.91	-155.74	2,749.50	135.75	56.69	79.06	1.717	Level 3<2.00	
6,200.00	5,314.17	5,760.64	5,170.28	58.74	48.00	-49.30	-174.49	2,773.33	202.03	130.73	71.30	2.833		
6,300.00	5,328.64	5,716.82	5,140.06	60.38	47.36	-35.21	-193.51	2,798.71	274.11	205.19	68.92	3.977		
6,400.00	5,329.05	5,673.53	5,107.98	62.04	46.77	-29.48	-210.28	2,822.43	345.86	277.21	68.66	5.037		
6,500.00	5,328.19	5,636.36	5,078.81	63.74	46.31	-27.06	-223.01	2,841.64	422.45	353.83	68.63	6.156		
6,600.00	5,327.33	5,600.00	5,048.96	65.47	45.88	-25.10	-233.90	2,859.29	503.27	434.87	68.39	7.359		
6,700.00	5,326.47	5,577.68	5,030.04	67.24	45.65	-24.06	-239.81	2,869.55	587.19	518.60	68.59	8.561		
6,800.00	5,325.61	5,553.84	5,009.36	69.04	45.41	-23.07	-245.45	2,879.99	673.64	605.11	68.53	9.830		
6,900.00	5,324.75	5,507.87	4,969.05	70.87	44.96	-21.46	-255.65	2,899.60	761.27	693.38	67.89	11.213		
7,000.00	5,323.89	5,460.78	4,927.77	72.73	44.51	-20.14	-266.11	2,919.69	849.02	781.69	67.33	12.610		
7,100.00	5,323.02	5,413.69	4,886.48	74.61	44.05	-19.05	-276.56	2,939.78	936.86	870.01	66.85	14.014		
7,200.00	5,322.16	5,366.60	4,845.20	76.52	43.60	-18.15	-287.02	2,959.87	1,024.77	958.34	66.43	15.427		
7,300.00	5,321.30	5,319.52	4,803.92	78.45	43.14	-17.39	-297.47	2,979.96	1,112.72	1,046.67	66.05	16.846		
7,400.00	5,320.44	5,272.43	4,762.63	80.40	42.69	-16.74	-307.93	3,000.05	1,200.72	1,135.00	65.71	18.272		
7,500.00	5,319.58	5,225.34	4,721.35	82.36	42.23	-16.17	-318.38	3,020.14	1,288.74	1,223.34	65.40	19.704		
7,600.00	5,318.72	5,178.25	4,680.06	84.35	41.78	-15.68	-328.83	3,040.23	1,376.79	1,311.67	65.12	21.142		
7,700.00	5,317.86	5,131.16	4,638.78	86.36	41.32	-15.25	-339.29	3,060.32	1,464.86	1,400.00	64.86	22.585		
7,800.00	5,317.00	5,084.07	4,597.49	88.38	40.86	-14.86	-349.74	3,080.41	1,552.95	1,488.33	64.62	24.033		
7,900.00	5,316.14	5,036.98	4,556.21	90.41	40.41	-14.51	-360.20	3,100.50	1,641.05	1,576.66	64.39	25.486		
8,000.00	5,315.28	4,989.90	4,514.92	92.46	39.95	-14.20	-370.65	3,120.59	1,729.16	1,664.98	64.18	26.944		

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	22.00	37.14	15.01	40.06				
100.00	100.00	100.00	100.00	0.27	0.27	22.00	37.14	15.01	40.06	39.52	0.54	74.497	
200.00	200.00	200.00	200.00	0.63	0.63	22.00	37.14	15.01	40.06	38.80	1.25	31.927	
300.00	300.00	300.00	300.00	0.99	0.99	22.00	37.14	15.01	40.06	38.09	1.97	20.317	
400.00	400.00	400.00	400.00	1.34	1.34	22.00	37.14	15.01	40.06	37.37	2.69	14.899	
500.00	500.00	500.00	500.00	1.70	1.70	22.00	37.14	15.01	40.06	36.65	3.41	11.763	
600.00	599.95	599.95	599.95	2.05	2.06	-74.46	37.14	15.01	39.28	35.16	4.11	9.546	
700.00	699.63	699.63	699.63	2.41	2.42	-85.95	37.14	15.01	37.93	33.11	4.82	7.864	
724.29	723.77	723.77	723.77	2.50	2.50	-90.00	37.14	15.01	37.84	32.84	5.00	7.567 CC, ES	
800.00	798.77	798.77	798.77	2.78	2.77	-105.13	37.14	15.01	39.23	33.68	5.55	7.071 SF	
900.00	897.08	897.08	897.08	3.18	3.13	-126.46	37.14	15.01	47.42	41.14	6.28	7.549	
1,000.00	994.31	994.31	994.31	3.62	3.47	-142.97	37.14	15.01	64.24	57.24	7.01	9.168	
1,100.00	1,090.18	1,090.18	1,090.18	4.11	3.82	-153.65	37.14	15.01	88.79	81.06	7.72	11.493	
1,200.00	1,184.43	1,184.43	1,184.43	4.68	4.16	-160.38	37.14	15.01	119.83	111.39	8.44	14.201	
1,300.00	1,276.81	1,283.26	1,283.23	5.32	4.50	-164.81	37.18	16.82	155.01	145.84	9.17	16.913	
1,400.00	1,367.06	1,385.15	1,384.86	6.05	4.86	-167.53	37.31	23.97	190.82	180.92	9.90	19.280	
1,500.00	1,454.93	1,489.26	1,488.16	6.88	5.23	-169.29	37.55	36.87	226.82	216.19	10.64	21.323	
1,600.00	1,540.46	1,595.96	1,593.13	7.81	5.63	-170.53	37.90	55.90	262.28	250.89	11.39	23.033	
1,700.00	1,625.59	1,702.43	1,696.69	8.78	6.05	-171.32	38.36	80.55	293.49	281.34	12.14	24.171	
1,800.00	1,710.71	1,797.87	1,789.16	9.77	6.46	-171.82	38.80	104.19	323.23	310.30	12.93	25.006	
1,900.00	1,795.84	1,893.31	1,881.62	10.79	6.88	-172.24	39.25	127.83	352.98	339.26	13.72	25.726	
2,000.00	1,880.96	1,988.75	1,974.09	11.81	7.32	-172.59	39.69	151.47	382.75	368.23	14.53	26.350	
2,100.00	1,966.09	2,084.19	2,066.55	12.85	7.77	-172.89	40.13	175.11	412.54	397.20	15.34	26.896	
2,200.00	2,051.21	2,179.63	2,159.02	13.89	8.23	-173.16	40.57	198.75	442.33	426.17	16.16	27.376	
2,300.00	2,136.33	2,275.07	2,251.49	14.94	8.69	-173.38	41.01	222.39	472.13	455.15	16.98	27.800	
2,400.00	2,221.46	2,370.51	2,343.95	15.99	9.16	-173.59	41.45	246.03	501.93	484.12	17.81	28.178	
2,500.00	2,306.58	2,465.95	2,436.42	17.05	9.64	-173.76	41.89	269.67	531.74	513.10	18.65	28.515	
2,600.00	2,391.71	2,561.39	2,528.88	18.10	10.12	-173.92	42.33	293.31	561.56	542.07	19.49	28.819	
2,700.00	2,476.83	2,656.84	2,621.35	19.17	10.61	-174.07	42.77	316.95	591.38	571.05	20.33	29.093	
2,800.00	2,561.95	2,752.28	2,713.82	20.23	11.10	-174.20	43.21	340.59	621.20	600.03	21.17	29.342	
2,900.00	2,647.08	2,847.72	2,806.28	21.30	11.59	-174.31	43.65	364.23	651.02	629.00	22.02	29.568	
3,000.00	2,732.20	2,943.16	2,898.75	22.37	12.09	-174.42	44.10	387.86	680.85	657.98	22.87	29.775	
3,100.00	2,817.33	3,038.60	2,991.21	23.44	12.59	-174.52	44.54	411.50	710.68	686.96	23.72	29.964	
3,200.00	2,902.45	3,134.04	3,083.68	24.51	13.09	-174.61	44.98	435.14	740.51	715.94	24.57	30.138	
3,300.00	2,987.57	3,229.48	3,176.15	25.58	13.59	-174.69	45.42	458.78	770.34	744.91	25.43	30.298	
3,400.00	3,072.70	3,324.92	3,268.61	26.65	14.10	-174.77	45.86	482.42	800.17	773.89	26.28	30.446	
3,500.00	3,157.82	3,420.36	3,361.08	27.73	14.60	-174.84	46.30	506.06	830.00	802.86	27.14	30.583	
3,600.00	3,242.95	3,515.80	3,453.54	28.80	15.11	-174.91	46.74	529.70	859.84	831.84	28.00	30.710	
3,700.00	3,328.07	3,611.25	3,546.01	29.88	15.62	-174.97	47.18	553.34	889.68	860.82	28.86	30.829	
3,800.00	3,413.20	3,706.69	3,638.48	30.95	16.13	-175.03	47.62	576.98	919.51	889.79	29.72	30.939	
3,900.00	3,498.32	3,802.13	3,730.94	32.03	16.64	-175.09	48.06	600.62	949.35	918.77	30.58	31.043	
4,000.00	3,583.44	3,897.57	3,823.41	33.11	17.15	-175.14	48.50	624.26	979.19	947.74	31.44	31.140	
4,100.00	3,668.57	3,993.01	3,915.87	34.18	17.66	-175.19	48.95	647.90	1,009.03	976.72	32.31	31.231	
4,200.00	3,753.69	4,088.45	4,008.34	35.26	18.18	-175.23	49.39	671.54	1,038.87	1,005.69	33.17	31.316	
4,300.00	3,838.82	4,183.89	4,100.81	36.34	18.69	-175.27	49.83	695.18	1,068.71	1,034.67	34.04	31.397	
4,400.00	3,923.94	4,254.46	4,169.30	37.42	19.06	-175.31	50.14	712.17	1,099.32	1,064.60	34.73	31.654	
4,500.00	4,009.06	4,300.00	4,213.78	38.50	19.29	-175.34	50.33	721.91	1,132.92	1,097.73	35.20	32.189	
4,600.00	4,094.19	4,372.51	4,285.06	39.58	19.63	-175.40	50.57	735.22	1,169.11	1,133.27	35.84	32.616	
4,700.00	4,179.31	4,429.45	4,341.35	40.66	19.87	-175.47	50.73	743.77	1,208.21	1,171.88	36.33	33.254	
4,800.00	4,264.44	4,500.00	4,411.40	41.74	20.16	-175.56	50.89	752.03	1,250.13	1,213.20	36.93	33.852	
4,900.00	4,349.56	4,538.92	4,450.17	42.82	20.30	-175.61	50.95	755.48	1,294.31	1,257.13	37.18	34.811	
5,000.00	4,434.68	4,600.00	4,511.13	43.90	20.51	-175.71	51.02	759.30	1,341.15	1,303.50	37.64	35.627	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,519.81	4,642.32	4,553.42	44.98	20.64	-175.78	51.05	760.80	1,390.25	1,352.38	37.87	36.707		
5,200.00	4,604.93	4,693.84	4,604.93	46.06	20.79	-175.87	51.06	761.37	1,441.66	1,403.47	38.19	37.746		
5,300.00	4,690.06	4,778.96	4,690.06	47.14	21.03	-176.01	51.06	761.37	1,494.04	1,455.13	38.91	38.400		
5,400.00	4,775.18	4,851.12	4,762.22	48.22	21.23	-176.13	51.06	761.37	1,546.48	1,507.01	39.47	39.181		
5,500.00	4,860.31	4,881.48	4,792.57	49.30	21.31	-176.15	51.61	760.78	1,600.90	1,561.38	39.52	40.506		
5,600.00	4,945.43	4,900.00	4,811.04	50.38	21.35	-176.15	52.48	759.84	1,658.34	1,618.94	39.40	42.087		
5,700.00	5,029.90	4,930.03	4,840.88	51.48	21.42	175.11	54.76	757.40	1,719.41	1,679.98	39.43	43.612		



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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
Rule Assigned:												Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	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	
0.00	0.00	0.00	0.00	0.00	0.00	22.00	74.28	30.01	80.12				
100.00	100.00	100.00	100.00	0.27	0.27	22.00	74.28	30.01	80.12	79.58	0.54	148.994	
200.00	200.00	200.00	200.00	0.63	0.63	22.00	74.28	30.01	80.12	78.86	1.25	63.855	
300.00	300.00	300.00	300.00	0.99	0.99	22.00	74.28	30.01	80.12	78.14	1.97	40.635	
400.00	400.00	400.00	400.00	1.34	1.34	22.00	74.28	30.01	80.12	77.43	2.69	29.799	
500.00	500.00	500.00	500.00	1.70	1.70	22.00	74.28	30.01	80.12	76.71	3.41	23.525	
600.00	599.95	599.95	599.95	2.05	2.06	-72.64	74.28	30.01	79.29	75.18	4.11	19.272	
700.00	699.63	699.63	699.63	2.41	2.42	-78.23	74.28	30.01	77.31	72.49	4.82	16.028	
800.00	798.77	798.77	798.77	2.78	2.77	-87.91	74.28	30.01	75.72	70.17	5.55	13.646	
817.40	815.94	815.94	815.94	2.85	2.84	-90.00	74.28	30.01	75.67	69.99	5.68	13.322 CC, ES	
900.00	897.08	897.08	897.08	3.18	3.13	-101.28	74.28	30.01	77.23	70.93	6.30	12.262	
1,000.00	994.31	994.31	994.31	3.62	3.47	-116.33	74.28	30.01	85.02	77.96	7.06	12.039 SF	
1,100.00	1,090.18	1,087.00	1,086.97	4.11	3.80	-130.55	74.41	28.03	102.58	94.79	7.79	13.161	
1,200.00	1,184.43	1,174.61	1,174.37	4.68	4.11	-142.19	74.81	22.05	132.75	124.29	8.46	15.686	
1,300.00	1,276.81	1,256.35	1,255.58	5.32	4.40	-150.43	75.42	12.87	174.79	165.72	9.07	19.266	
1,400.00	1,367.06	1,331.57	1,329.91	6.05	4.68	-155.96	76.18	1.36	226.97	217.34	9.63	23.571	
1,500.00	1,454.93	1,400.00	1,397.08	6.88	4.94	-159.66	77.05	-11.63	287.71	277.58	10.14	28.384	
1,600.00	1,540.46	1,461.60	1,457.12	7.81	5.19	-162.50	77.96	-25.38	355.38	344.77	10.60	33.521	
1,700.00	1,625.59	1,519.05	1,512.68	8.78	5.44	-164.89	78.93	-39.93	426.39	415.38	11.01	38.727	
1,800.00	1,710.71	1,572.99	1,564.43	9.77	5.68	-166.64	79.93	-55.11	499.76	488.37	11.39	43.877	
1,900.00	1,795.84	1,623.66	1,612.64	10.79	5.92	-167.97	80.97	-70.69	575.18	563.42	11.75	48.932	
2,000.00	1,880.96	1,671.28	1,657.55	11.81	6.17	-169.02	82.02	-86.50	652.40	640.30	12.10	53.935	
2,100.00	1,966.09	1,716.07	1,699.41	12.85	6.41	-169.86	83.07	-102.37	731.24	718.82	12.42	58.880	
2,200.00	2,051.21	1,758.22	1,738.46	13.89	6.65	-170.55	84.12	-118.20	811.52	798.80	12.72	63.777	
2,300.00	2,136.33	1,800.00	1,776.81	14.94	6.89	-171.15	85.22	-134.74	893.13	880.09	13.04	68.507	
2,400.00	2,221.46	1,835.35	1,808.97	15.99	7.12	-171.60	86.19	-149.39	975.91	962.62	13.29	73.436	
2,500.00	2,306.58	1,870.67	1,840.83	17.05	7.36	-172.02	87.21	-164.61	1,059.79	1,046.24	13.55	78.206	
2,600.00	2,391.71	1,900.00	1,867.06	18.10	7.55	-172.33	88.07	-177.69	1,144.67	1,130.91	13.76	83.217	
2,700.00	2,476.83	1,939.59	1,902.16	19.17	7.84	-172.72	89.29	-195.97	1,230.41	1,216.33	14.08	87.363	
2,800.00	2,561.95	1,990.30	1,946.98	20.23	8.21	-173.16	90.86	-219.63	1,316.46	1,301.91	14.54	90.517	
2,900.00	2,647.08	2,041.00	1,991.80	21.30	8.61	-173.54	92.43	-243.29	1,402.52	1,387.51	15.01	93.445	
3,000.00	2,732.20	2,091.71	2,036.62	22.37	9.00	-173.88	94.00	-266.95	1,488.60	1,473.12	15.48	96.171	
3,100.00	2,817.33	2,142.41	2,081.44	23.44	9.41	-174.19	95.57	-290.61	1,574.69	1,558.74	15.95	98.707	
3,200.00	2,902.45	2,193.12	2,126.26	24.51	9.82	-174.46	97.14	-314.27	1,660.79	1,644.36	16.43	101.075	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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
Measured Depth (ft)	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	21.61	18.57	7.36	19.97				
100.00	100.00	100.00	100.00	0.27	0.27	21.61	18.57	7.36	19.97	19.44	0.54	37.147	
200.00	200.00	200.00	200.00	0.63	0.63	21.61	18.57	7.36	19.97	18.72	1.25	15.920	
300.00	300.00	300.00	300.00	0.99	0.99	21.61	18.57	7.36	19.97	18.00	1.97	10.131	
400.00	400.00	400.00	400.00	1.34	1.34	21.61	18.57	7.36	19.97	17.29	2.69	7.429	
500.00	500.00	500.00	500.00	1.70	1.70	21.61	18.57	7.36	19.97	16.57	3.41	5.865	
600.00	599.95	599.95	599.95	2.05	2.06	-78.61	18.57	7.36	19.29	15.18	4.11	4.689	
656.77	656.59	656.59	656.59	2.25	2.26	-90.00	18.57	7.36	18.91	14.39	4.52	4.186 CC, ES	
700.00	699.63	699.63	699.63	2.41	2.42	-101.97	18.57	7.36	19.34	14.51	4.82	4.009 SF	
800.00	798.77	798.77	798.77	2.78	2.77	-131.74	18.57	7.36	25.48	19.94	5.54	4.598	
900.00	897.08	897.08	897.08	3.18	3.13	-151.29	18.57	7.36	40.05	33.79	6.26	6.396	
1,000.00	994.31	994.31	994.31	3.62	3.47	-161.54	18.57	7.36	61.62	54.64	6.98	8.830	
1,100.00	1,090.18	1,086.56	1,086.53	4.11	3.80	-167.58	18.13	5.44	90.88	83.21	7.67	11.850	
1,200.00	1,184.43	1,173.85	1,173.61	4.68	4.10	-171.76	16.79	-0.35	129.57	121.25	8.32	15.575	
1,300.00	1,276.81	1,255.43	1,254.67	5.32	4.39	-174.60	14.73	-9.26	177.06	168.14	8.93	19.832	
1,400.00	1,367.06	1,330.67	1,329.02	6.05	4.66	-176.59	12.15	-20.47	232.60	223.11	9.49	24.498	
1,500.00	1,454.93	1,400.00	1,397.08	6.88	4.92	-178.06	9.18	-33.31	295.41	285.39	10.02	29.473	
1,600.00	1,540.46	1,461.18	1,456.71	7.81	5.17	-179.16	6.11	-46.64	364.33	353.83	10.50	34.714	
1,700.00	1,625.59	1,519.03	1,512.66	8.78	5.42	-179.96	2.81	-60.94	436.03	425.11	10.92	39.935	
1,800.00	1,710.71	1,573.44	1,564.86	9.77	5.66	-179.26	-0.65	-75.90	509.73	498.42	11.32	45.048	
1,900.00	1,795.84	1,624.62	1,613.54	10.79	5.91	-178.68	-4.20	-91.28	585.25	573.55	11.70	50.035	
2,000.00	1,880.96	1,672.79	1,658.96	11.81	6.15	-178.19	-7.81	-106.92	662.43	650.37	12.06	54.945	
2,100.00	1,966.09	1,718.15	1,701.35	12.85	6.39	-177.78	-11.44	-122.66	741.12	728.73	12.40	59.781	
2,200.00	2,051.21	1,760.89	1,740.92	13.89	6.64	-177.41	-15.07	-138.39	821.20	808.48	12.72	64.555	
2,300.00	2,136.33	1,800.00	1,776.81	14.94	6.86	-177.10	-18.57	-153.53	902.55	889.54	13.01	69.351	
2,400.00	2,221.46	1,839.23	1,812.48	15.99	7.12	-176.81	-22.24	-169.44	985.06	971.73	13.32	73.943	
2,500.00	2,306.58	1,875.16	1,844.85	17.05	7.36	-176.55	-25.74	-184.63	1,068.63	1,055.03	13.60	78.568	
2,600.00	2,391.71	1,911.26	1,877.08	18.10	7.60	-176.30	-29.40	-200.48	1,153.17	1,139.28	13.89	83.011	
2,700.00	2,476.83	1,963.94	1,923.95	19.17	7.98	-175.98	-34.81	-223.91	1,238.10	1,223.71	14.38	86.095	
2,800.00	2,561.95	2,016.63	1,970.82	20.23	8.36	-175.70	-40.22	-247.35	1,323.03	1,308.15	14.88	88.942	
2,900.00	2,647.08	2,069.31	2,017.69	21.30	8.76	-175.45	-45.63	-270.79	1,407.97	1,392.59	15.38	91.572	
3,000.00	2,732.20	2,121.99	2,064.57	22.37	9.17	-175.23	-51.04	-294.22	1,492.91	1,477.03	15.88	94.007	
3,100.00	2,817.33	2,174.68	2,111.44	23.44	9.58	-175.03	-56.45	-317.66	1,577.86	1,561.47	16.39	96.265	
3,200.00	2,902.45	2,227.36	2,158.31	24.51	10.00	-174.86	-61.86	-341.10	1,662.82	1,645.91	16.91	98.362	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.00	0.00	0.00	0.00	0.00	0.00	22.13	55.71	22.66	60.14					
100.00	100.00	100.00	100.00	0.27	0.27	22.13	55.71	22.66	60.14	59.60	0.54	111.849		
200.00	200.00	200.00	200.00	0.63	0.63	22.13	55.71	22.66	60.14	58.89	1.25	47.935		
300.00	300.00	300.00	300.00	0.99	0.99	22.13	55.71	22.66	60.14	58.17	1.97	30.504		
400.00	400.00	400.00	400.00	1.34	1.34	22.13	55.71	22.66	60.14	57.45	2.69	22.370		
500.00	500.00	500.00	500.00	1.70	1.70	22.13	55.71	22.66	60.14	56.74	3.41	17.660		
600.00	599.95	599.95	599.95	2.05	2.06	-73.11	55.71	22.66	59.33	55.21	4.11	14.419		
700.00	699.63	699.63	699.63	2.41	2.42	-80.63	55.71	22.66	57.54	52.71	4.82	11.928		
775.76	774.80	774.80	774.80	2.69	2.69	-89.99	55.71	22.66	56.76	51.39	5.37	10.563 CC		
800.00	798.77	798.77	798.77	2.78	2.77	-93.62	55.71	22.66	56.88	51.33	5.55	10.250 ES		
900.00	897.08	897.08	897.08	3.18	3.13	-110.64	55.71	22.66	60.82	54.53	6.29	9.665 SF		
1,000.00	994.31	994.31	994.31	3.62	3.47	-127.56	55.71	22.66	72.56	65.52	7.04	10.307		
1,100.00	1,090.18	1,087.12	1,087.09	4.11	3.80	-141.45	55.55	20.67	94.40	86.66	7.75	12.185		
1,200.00	1,184.43	1,174.88	1,174.63	4.68	4.10	-151.76	55.07	14.68	128.08	119.68	8.40	15.245		
1,300.00	1,276.81	1,256.77	1,256.00	5.32	4.40	-158.70	54.32	5.48	172.50	163.49	9.01	19.153		
1,400.00	1,367.06	1,332.16	1,330.49	6.05	4.67	-163.29	53.39	-6.06	226.21	216.65	9.56	23.652		
1,500.00	1,454.93	1,400.00	1,397.08	6.88	4.93	-166.34	52.35	-18.94	287.96	277.89	10.07	28.603		
1,600.00	1,540.46	1,462.53	1,458.02	7.81	5.19	-168.74	51.22	-32.90	356.28	345.74	10.54	33.790		
1,700.00	1,625.59	1,520.16	1,513.75	8.78	5.43	-170.68	50.04	-47.51	427.71	416.75	10.96	39.039		
1,800.00	1,710.71	1,574.28	1,565.66	9.77	5.68	-172.14	48.80	-62.76	501.33	489.99	11.34	44.210		
1,900.00	1,795.84	1,625.12	1,614.02	10.79	5.92	-173.26	47.54	-78.41	576.90	565.19	11.71	49.273		
2,000.00	1,880.96	1,672.92	1,659.08	11.81	6.16	-174.16	46.25	-94.29	654.21	642.16	12.05	54.274		
2,100.00	1,966.09	1,717.87	1,701.08	12.85	6.41	-174.89	44.96	-110.24	733.10	720.72	12.38	59.211		
2,200.00	2,051.21	1,760.18	1,740.27	13.89	6.65	-175.51	43.68	-126.16	813.40	800.71	12.69	64.094		
2,300.00	2,136.33	1,800.00	1,776.81	14.94	6.88	-176.02	42.40	-141.92	895.00	882.02	12.98	68.933		
2,400.00	2,221.46	1,837.62	1,811.03	15.99	7.12	-176.47	41.14	-157.51	977.78	964.51	13.26	73.719		
2,500.00	2,306.58	1,877.84	1,847.28	17.05	7.38	-176.90	39.74	-174.88	1,061.60	1,048.01	13.58	78.160		
2,600.00	2,391.71	1,931.64	1,895.66	18.10	7.76	-177.41	37.84	-198.33	1,145.73	1,131.66	14.06	81.473		
2,700.00	2,476.83	1,985.44	1,944.04	19.17	8.13	-177.85	35.94	-221.78	1,229.88	1,215.33	14.55	84.533		
2,800.00	2,561.95	2,039.23	1,992.42	20.23	8.53	-178.23	34.05	-245.23	1,314.05	1,299.01	15.04	87.363		
2,900.00	2,647.08	2,093.03	2,040.80	21.30	8.92	-178.57	32.15	-268.68	1,398.23	1,382.70	15.54	89.989		
3,000.00	2,732.20	2,146.83	2,089.18	22.37	9.33	-178.87	30.26	-292.13	1,482.43	1,466.39	16.04	92.423		
3,100.00	2,817.33	2,200.62	2,137.55	23.44	9.74	-179.13	28.36	-315.58	1,566.64	1,550.10	16.54	94.690		
3,200.00	2,902.45	2,254.42	2,185.93	24.51	10.16	-179.37	26.46	-339.03	1,650.86	1,633.81	17.05	96.799		
3,300.00	2,987.57	2,308.21	2,234.31	25.58	10.58	-179.59	24.57	-362.48	1,735.09	1,717.52	17.57	98.772		

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	DT_Jan1924v17
Reference Design:	rev0	Offset TVD Reference:	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - Original Hole - rev0												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-157.21	-18.21	-7.65	19.75				
100.00	100.00	100.00	100.00	0.27	0.27	-157.21	-18.21	-7.65	19.75	19.21	0.54	36.727	
200.00	200.00	200.00	200.00	0.63	0.63	-157.21	-18.21	-7.65	19.75	18.49	1.25	15.740	
300.00	300.00	300.00	300.00	0.99	0.99	-157.21	-18.21	-7.65	19.75	17.78	1.97	10.017	
400.00	400.00	400.00	400.00	1.34	1.34	-157.21	-18.21	-7.65	19.75	17.06	2.69	7.345	
500.00	500.00	500.00	500.00	1.70	1.70	-157.21	-18.21	-7.65	19.75	16.34	3.41	5.799 CC, ES	
600.00	599.95	599.95	599.95	2.05	2.06	116.73	-18.21	-7.65	20.79	16.67	4.11	5.052	
700.00	699.63	699.63	699.63	2.41	2.42	132.67	-18.21	-7.65	25.31	20.49	4.82	5.246	
800.00	798.77	798.77	798.77	2.78	2.77	148.15	-18.21	-7.65	35.50	29.95	5.54	6.405	
900.00	897.08	897.08	897.08	3.18	3.13	158.62	-18.21	-7.65	51.91	45.65	6.26	8.290	
1,000.00	994.31	994.31	994.31	3.62	3.47	165.02	-18.21	-7.65	74.18	67.20	6.98	10.626	
1,100.00	1,090.18	1,090.18	1,090.18	4.11	3.82	168.98	-18.21	-7.65	101.92	94.22	7.70	13.241	
1,200.00	1,184.43	1,184.43	1,184.43	4.68	4.16	171.54	-18.21	-7.65	134.88	126.47	8.41	16.033	
1,300.00	1,276.81	1,276.81	1,276.81	5.32	4.49	173.26	-18.21	-7.65	172.86	163.73	9.12	18.943	
1,400.00	1,367.06	1,367.06	1,367.06	6.05	4.81	174.46	-18.21	-7.65	215.71	205.87	9.83	21.936	
1,500.00	1,454.93	1,454.93	1,454.93	6.88	5.13	175.33	-18.21	-7.65	263.27	252.74	10.54	24.989	
1,600.00	1,540.46	1,543.09	1,543.08	7.81	5.44	176.15	-17.75	-7.47	314.79	303.54	11.25	27.987	
1,700.00	1,625.59	1,634.77	1,634.66	8.78	5.77	177.45	-13.77	-5.93	365.78	353.81	11.96	30.575	
1,800.00	1,710.71	1,727.54	1,727.00	9.77	6.10	179.10	-5.58	-2.76	415.47	402.77	12.69	32.731	
1,900.00	1,795.84	1,820.96	1,819.45	10.79	6.44	-179.02	6.88	2.07	464.03	450.59	13.44	34.522	
2,000.00	1,880.96	1,911.16	1,908.09	11.81	6.77	-177.09	22.46	8.10	511.83	497.63	14.19	36.062	
2,100.00	1,966.09	1,997.88	1,993.20	12.85	7.10	-175.49	37.95	14.10	559.84	544.89	14.95	37.456	
2,200.00	2,051.21	2,084.59	2,078.30	13.89	7.44	-174.14	53.44	20.10	608.14	592.42	15.72	38.684	
2,300.00	2,136.33	2,171.30	2,163.41	14.94	7.79	-172.98	68.93	26.09	656.67	640.16	16.51	39.773	
2,400.00	2,221.46	2,258.01	2,248.51	15.99	8.14	-171.98	84.42	32.09	705.37	688.06	17.31	40.738	
2,500.00	2,306.58	2,344.72	2,333.62	17.05	8.50	-171.11	99.91	38.09	754.22	736.09	18.13	41.595	
2,600.00	2,391.71	2,431.43	2,418.72	18.10	8.86	-170.34	115.40	44.09	803.19	784.23	18.96	42.359	
2,700.00	2,476.83	2,518.14	2,503.83	19.17	9.22	-169.66	130.89	50.09	852.25	832.45	19.80	43.042	
2,800.00	2,561.95	2,604.85	2,588.94	20.23	9.59	-169.06	146.38	56.09	901.40	880.75	20.65	43.655	
2,900.00	2,647.08	2,691.57	2,674.04	21.30	9.96	-168.51	161.87	62.09	950.62	929.11	21.50	44.205	
3,000.00	2,732.20	2,778.28	2,759.15	22.37	10.33	-168.02	177.36	68.08	999.89	977.53	22.37	44.703	
3,100.00	2,817.33	2,864.99	2,844.25	23.44	10.71	-167.58	192.85	74.08	1,049.22	1,025.98	23.24	45.154	
3,200.00	2,902.45	2,951.70	2,929.36	24.51	11.08	-167.18	208.34	80.08	1,098.59	1,074.48	24.11	45.564	
3,300.00	2,987.57	3,038.41	3,014.46	25.58	11.46	-166.81	223.83	86.08	1,148.00	1,123.01	24.99	45.937	
3,400.00	3,072.70	3,125.12	3,099.57	26.65	11.85	-166.47	239.32	92.08	1,197.44	1,171.57	25.87	46.279	
3,500.00	3,157.82	3,211.83	3,184.67	27.73	12.23	-166.15	254.81	98.08	1,246.91	1,220.15	26.76	46.591	
3,600.00	3,242.95	3,298.54	3,269.78	28.80	12.61	-165.86	270.30	104.07	1,296.41	1,268.75	27.65	46.879	
3,700.00	3,328.07	3,385.26	3,354.88	29.88	13.00	-165.60	285.79	110.07	1,345.93	1,317.38	28.55	47.143	
3,800.00	3,413.20	3,471.97	3,439.99	30.95	13.39	-165.35	301.28	116.07	1,395.47	1,366.02	29.45	47.387	
3,900.00	3,498.32	3,558.68	3,525.09	32.03	13.77	-165.11	316.77	122.07	1,445.03	1,414.68	30.35	47.613	
4,000.00	3,583.44	3,645.39	3,610.20	33.11	14.16	-164.90	332.26	128.07	1,494.60	1,463.35	31.25	47.822	
4,100.00	3,668.57	3,732.10	3,695.31	34.18	14.55	-164.69	347.75	134.07	1,544.20	1,512.04	32.16	48.017	
4,200.00	3,753.69	3,818.81	3,780.41	35.26	14.94	-164.50	363.24	140.07	1,593.80	1,560.73	33.07	48.198	
4,300.00	3,838.82	3,904.11	3,864.11	36.34	15.33	-164.31	378.73	146.07	1,643.31	1,609.63	33.98	48.379	
4,400.00	3,923.94	4,000.00	3,958.43	37.42	15.72	-164.12	394.22	152.07	1,693.82	1,659.14	34.89	48.560	
4,500.00	4,009.06	4,090.00	4,046.43	38.50	16.11	-163.93	409.71	158.07	1,744.33	1,708.65	35.80	48.741	
4,600.00	4,094.19	4,180.00	4,135.43	39.58	16.50	-163.74	425.20	164.07	1,794.84	1,758.16	36.71	48.922	
4,700.00	4,179.31	4,270.00	4,224.43	40.66	16.89	-163.55	440.69	170.07	1,845.35	1,807.67	37.62	49.103	
4,800.00	4,264.44	4,360.00	4,313.43	41.74	17.28	-163.36	456.18	176.07	1,895.86	1,857.18	38.53	49.284	
4,900.00	4,349.56	4,450.00	4,392.43	42.82	17.67	-163.17	471.67	182.07	1,946.37	1,906.69	39.44	49.465	
5,000.00	4,434.68	4,540.00	4,476.43	43.90	18.06	-162.98	487.16	188.07	1,996.88	1,956.20	40.35	49.646	
5,100.00	4,519.81	4,630.00	4,565.43	44.98	18.45	-162.79	502.65	194.07	2,047.39	2,005.71	41.26	49.827	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	DT_Jan1924v17
Reference Design:	rev0	Offset TVD Reference:	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - Original Hole - rev0													Offset Site Error: 0.00 ft
Survey Program: 0-MWD													Offset Well Error: 0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
5,200.00	4,604.93	7,001.01	5,318.87	46.06	44.60	140.60	-814.29	1,544.42	1,195.95	1,125.17	70.78	16.897	
5,300.00	4,690.06	7,040.33	5,318.52	47.14	45.42	138.82	-841.11	1,573.17	1,175.44	1,100.38	75.06	15.659	
5,400.00	4,775.18	7,079.65	5,318.16	48.22	46.25	137.04	-867.93	1,601.92	1,161.87	1,082.69	79.18	14.674	
5,500.00	4,860.31	7,118.97	5,317.81	49.30	47.07	135.24	-894.76	1,630.68	1,155.47	1,072.45	83.03	13.917	
5,537.60	4,892.31	7,133.76	5,317.67	49.70	47.39	134.57	-904.84	1,641.49	1,154.95	1,070.57	84.38	13.687	
5,600.00	4,945.43	7,158.29	5,317.45	50.38	47.91	133.45	-921.58	1,659.43	1,156.38	1,069.87	86.51	13.367	
5,700.00	5,029.90	7,199.39	5,317.08	51.48	48.77	125.42	-949.61	1,689.48	1,164.11	1,074.51	89.61	12.991	
5,800.00	5,108.53	7,253.45	5,316.59	52.74	49.93	113.23	-986.48	1,729.01	1,174.87	1,082.18	92.70	12.675	
5,900.00	5,178.25	7,321.00	5,315.98	54.15	51.37	103.91	-1,032.56	1,778.40	1,185.87	1,089.98	95.89	12.367	
6,000.00	5,236.96	7,400.00	5,315.27	55.64	53.07	96.91	-1,086.44	1,836.16	1,194.68	1,095.44	99.24	12.038	
6,100.00	5,282.86	7,488.04	5,314.48	57.18	54.97	92.02	-1,146.50	1,900.53	1,199.08	1,096.30	102.78	11.667	
6,200.00	5,314.17	7,582.59	5,313.62	58.74	57.02	89.97	-1,210.99	1,969.67	1,199.07	1,092.56	106.51	11.258	
6,205.67	5,315.45	7,588.10	5,313.58	58.84	57.14	89.91	-1,214.75	1,973.70	1,199.07	1,092.34	106.73	11.234	
6,300.00	5,328.64	7,681.28	5,312.73	60.38	59.18	89.24	-1,278.31	2,041.83	1,199.14	1,088.67	110.47	10.855	
6,400.00	5,329.05	7,781.25	5,311.83	62.04	61.37	89.18	-1,346.50	2,114.93	1,199.12	1,084.54	114.58	10.465	
6,500.00	5,328.19	7,881.25	5,310.93	63.74	63.57	89.18	-1,414.71	2,188.05	1,199.08	1,080.35	118.73	10.099	
6,600.00	5,327.33	7,981.25	5,310.03	65.47	65.78	89.17	-1,482.92	2,261.17	1,199.03	1,076.12	122.92	9.755	
6,700.00	5,326.47	8,081.25	5,309.13	67.24	68.00	89.17	-1,551.13	2,334.29	1,198.99	1,071.85	127.14	9.431	
6,800.00	5,325.61	8,181.25	5,308.22	69.04	70.23	89.17	-1,619.34	2,407.41	1,198.95	1,067.56	131.39	9.125	
6,900.00	5,324.75	8,281.25	5,307.32	70.87	72.46	89.17	-1,687.55	2,480.53	1,198.91	1,063.25	135.66	8.837	
7,000.00	5,323.89	8,381.25	5,306.42	72.73	74.69	89.17	-1,755.76	2,553.65	1,198.87	1,058.90	139.96	8.566	
7,100.00	5,323.02	8,481.25	5,305.52	74.61	76.93	89.16	-1,823.97	2,626.77	1,198.82	1,054.54	144.28	8.309	
7,200.00	5,322.16	8,581.25	5,304.62	76.52	79.18	89.16	-1,892.19	2,699.89	1,198.78	1,050.16	148.62	8.066	
7,300.00	5,321.30	8,681.25	5,303.72	78.45	81.43	89.16	-1,960.40	2,773.01	1,198.74	1,045.76	152.98	7.836	
7,400.00	5,320.44	8,781.25	5,302.81	80.40	83.69	89.16	-2,028.61	2,846.13	1,198.70	1,041.34	157.36	7.618	
7,500.00	5,319.58	8,881.25	5,301.91	82.36	85.94	89.16	-2,096.82	2,919.24	1,198.66	1,036.91	161.75	7.411	
7,600.00	5,318.72	8,981.25	5,301.01	84.35	88.20	89.15	-2,165.03	2,992.36	1,198.62	1,032.46	166.15	7.214	
7,700.00	5,317.86	9,081.25	5,300.11	86.36	90.47	89.15	-2,233.24	3,065.48	1,198.57	1,028.00	170.57	7.027	
7,800.00	5,317.00	9,181.25	5,299.21	88.38	92.73	89.15	-2,301.45	3,138.60	1,198.53	1,023.53	175.00	6.849	
7,900.00	5,316.14	9,281.25	5,298.30	90.41	95.00	89.15	-2,369.66	3,211.72	1,198.49	1,019.05	179.44	6.679	
8,000.00	5,315.28	9,381.25	5,297.40	92.46	97.28	89.15	-2,437.87	3,284.84	1,198.45	1,014.56	183.89	6.517	
8,100.00	5,314.42	9,481.25	5,296.50	94.52	99.55	89.14	-2,506.08	3,357.96	1,198.41	1,010.06	188.35	6.363	
8,200.00	5,313.55	9,581.25	5,295.60	96.59	101.83	89.14	-2,574.29	3,431.08	1,198.37	1,005.55	192.82	6.215	
8,300.00	5,312.69	9,681.25	5,294.70	98.68	104.11	89.14	-2,642.50	3,504.20	1,198.32	1,001.03	197.29	6.074	
8,400.00	5,311.83	9,781.25	5,293.79	100.77	106.39	89.14	-2,710.71	3,577.32	1,198.28	996.51	201.78	5.939	
8,500.00	5,310.97	9,881.25	5,292.89	102.88	108.67	89.14	-2,778.93	3,650.44	1,198.24	991.97	206.27	5.809	
8,600.00	5,310.11	9,981.25	5,291.99	104.99	110.95	89.13	-2,847.14	3,723.56	1,198.20	987.43	210.77	5.685	
8,700.00	5,309.25	10,081.25	5,291.09	107.11	113.24	89.13	-2,915.35	3,796.68	1,198.16	982.89	215.27	5.566	
8,800.00	5,308.39	10,181.25	5,290.19	109.25	115.52	89.13	-2,983.56	3,869.80	1,198.12	978.34	219.78	5.451	
8,900.00	5,307.53	10,281.25	5,289.28	111.38	117.81	89.13	-3,051.77	3,942.92	1,198.07	973.78	224.29	5.342	
9,000.00	5,306.67	10,381.25	5,288.38	113.53	120.10	89.13	-3,119.98	4,016.04	1,198.03	969.22	228.81	5.236	
9,100.00	5,305.81	10,481.25	5,287.48	115.68	122.39	89.12	-3,188.19	4,089.16	1,197.99	964.65	233.34	5.134	
9,200.00	5,304.95	10,581.25	5,286.58	117.84	124.69	89.12	-3,256.40	4,162.28	1,197.95	960.08	237.86	5.036	
9,300.00	5,304.09	10,681.25	5,285.68	120.01	126.98	89.12	-3,324.61	4,235.40	1,197.91	955.51	242.40	4.942	
9,400.00	5,303.22	10,781.25	5,284.77	122.18	129.27	89.12	-3,392.82	4,308.52	1,197.87	950.93	246.93	4.851	
9,500.00	5,302.36	10,881.25	5,283.87	124.36	131.57	89.12	-3,461.03	4,381.64	1,197.82	946.35	251.48	4.763	
9,600.00	5,301.50	10,981.25	5,282.97	126.54	133.86	89.11	-3,529.24	4,454.76	1,197.78	941.76	256.02	4.678	
9,700.00	5,300.64	11,081.25	5,282.07	128.73	136.16	89.11	-3,597.46	4,527.88	1,197.74	937.17	260.57	4.597	
9,800.00	5,299.78	11,181.25	5,281.17	130.92	138.46	89.11	-3,665.67	4,600.99	1,197.70	932.58	265.12	4.518	
9,900.00	5,298.92	11,281.25	5,280.26	133.12	140.76	89.11	-3,733.88	4,674.11	1,197.66	927.98	269.67	4.441	
10,000.00	5,298.06	11,381.25	5,279.36	135.32	143.06	89.11	-3,802.09	4,747.23	1,197.61	923.39	274.23	4.367	
10,100.00	5,297.20	11,481.25	5,278.46	137.53	145.35	89.10	-3,870.30	4,820.35	1,197.57	918.78	278.79	4.296	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	DT_Jan1924v17
Reference Design:	rev0	Offset TVD Reference:	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - Original Hole - rev0												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Rule Assigned:												Warning	
Measured Depth (ft)	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	
10,200.00	5,296.34	11,581.25	5,277.56	139.74	147.66	89.10	-3,938.51	4,893.47	1,197.53	914.18	283.35	4.226	
10,300.00	5,295.48	11,681.25	5,276.66	141.95	149.96	89.10	-4,006.72	4,966.59	1,197.49	909.57	287.92	4.159	
10,400.00	5,294.62	11,781.25	5,275.75	144.17	152.26	89.10	-4,074.93	5,039.71	1,197.45	904.97	292.48	4.094	
10,500.00	5,293.75	11,881.25	5,274.85	146.39	154.56	89.10	-4,143.14	5,112.83	1,197.41	900.36	297.05	4.031	
10,600.00	5,292.89	11,981.25	5,273.95	148.61	156.86	89.09	-4,211.35	5,185.95	1,197.36	895.74	301.62	3.970	
10,700.00	5,292.03	12,081.25	5,273.05	150.83	159.17	89.09	-4,279.56	5,259.07	1,197.32	891.13	306.20	3.910	
10,800.00	5,291.17	12,181.25	5,272.15	153.06	161.47	89.09	-4,347.77	5,332.19	1,197.28	886.51	310.77	3.853	
10,900.00	5,290.31	12,281.25	5,271.24	155.30	163.78	89.09	-4,415.98	5,405.31	1,197.24	881.89	315.35	3.797	
11,000.00	5,289.45	12,381.25	5,270.34	157.53	166.08	89.09	-4,484.20	5,478.43	1,197.20	877.27	319.93	3.742	
11,100.00	5,288.59	12,481.25	5,269.44	159.77	168.39	89.08	-4,552.41	5,551.55	1,197.16	872.65	324.51	3.689	
11,200.00	5,287.73	12,581.25	5,268.54	162.01	170.69	89.08	-4,620.62	5,624.67	1,197.11	868.03	329.09	3.638	
11,300.00	5,286.87	12,681.25	5,267.64	164.25	173.00	89.08	-4,688.83	5,697.79	1,197.07	863.40	333.67	3.588	
11,400.00	5,286.01	12,781.25	5,266.73	166.49	175.31	89.08	-4,757.04	5,770.91	1,197.03	858.77	338.26	3.539	
11,500.00	5,285.15	12,881.25	5,265.83	168.74	177.61	89.08	-4,825.25	5,844.03	1,196.99	854.15	342.84	3.491	
11,600.00	5,284.29	12,981.25	5,264.93	170.99	179.92	89.07	-4,893.46	5,917.15	1,196.95	849.52	347.43	3.445	
11,700.00	5,283.42	13,081.25	5,264.03	173.24	182.23	89.07	-4,961.67	5,990.27	1,196.91	844.89	352.02	3.400	
11,800.00	5,282.56	13,181.25	5,263.13	175.49	184.54	89.07	-5,029.88	6,063.39	1,196.86	840.26	356.61	3.356	
11,900.00	5,281.70	13,281.25	5,262.22	177.74	186.85	89.07	-5,098.09	6,136.51	1,196.82	835.62	361.20	3.313	
12,000.00	5,280.84	13,381.25	5,261.32	180.00	189.16	89.07	-5,166.30	6,209.63	1,196.78	830.99	365.79	3.272	
12,100.00	5,279.98	13,481.25	5,260.42	182.26	191.46	89.06	-5,234.51	6,282.74	1,196.74	826.35	370.39	3.231	
12,200.00	5,279.12	13,581.25	5,259.52	184.51	193.77	89.06	-5,302.72	6,355.86	1,196.70	821.72	374.98	3.191	
12,300.00	5,278.26	13,681.25	5,258.62	186.78	196.08	89.06	-5,370.94	6,428.98	1,196.66	817.08	379.57	3.153	
12,400.00	5,277.40	13,781.25	5,257.71	189.04	198.39	89.06	-5,439.15	6,502.10	1,196.61	812.44	384.17	3.115	
12,500.00	5,276.54	13,881.25	5,256.81	191.30	200.71	89.06	-5,507.36	6,575.22	1,196.57	807.81	388.77	3.078	
12,600.00	5,275.68	13,981.25	5,255.91	193.57	203.02	89.05	-5,575.57	6,648.34	1,196.53	803.17	393.37	3.042	
12,700.00	5,274.82	14,081.25	5,255.01	195.83	205.33	89.05	-5,643.78	6,721.46	1,196.49	798.53	397.96	3.007	
12,800.00	5,273.95	14,181.25	5,254.11	198.10	207.64	89.05	-5,711.99	6,794.58	1,196.45	793.88	402.56	2.972	
12,900.00	5,273.09	14,281.25	5,253.20	200.37	209.95	89.05	-5,780.20	6,867.70	1,196.41	789.24	407.16	2.938	
13,000.00	5,272.23	14,381.25	5,252.30	202.64	212.26	89.05	-5,848.41	6,940.82	1,196.36	784.60	411.77	2.905	
13,100.00	5,271.37	14,481.25	5,251.40	204.91	214.57	89.04	-5,916.62	7,013.94	1,196.32	779.96	416.37	2.873	
13,200.00	5,270.51	14,581.25	5,250.50	207.18	216.89	89.04	-5,984.83	7,087.06	1,196.28	775.31	420.97	2.842	
13,300.00	5,269.65	14,681.25	5,249.60	209.46	219.20	89.04	-6,053.04	7,160.18	1,196.24	770.67	425.57	2.811	
13,400.00	5,268.79	14,781.25	5,248.69	211.73	221.51	89.04	-6,121.25	7,233.30	1,196.20	766.02	430.18	2.781	
13,500.00	5,267.93	14,881.25	5,247.79	214.01	223.82	89.04	-6,189.47	7,306.42	1,196.16	761.37	434.78	2.751	
13,600.00	5,267.07	14,981.25	5,246.89	216.28	226.14	89.03	-6,257.68	7,379.54	1,196.11	756.73	439.39	2.722	
13,700.00	5,266.21	15,081.25	5,245.99	218.56	228.45	89.03	-6,325.89	7,452.66	1,196.07	752.08	443.99	2.694	
13,800.00	5,265.35	15,181.25	5,245.09	220.84	230.76	89.03	-6,394.10	7,525.78	1,196.03	747.43	448.60	2.666	
13,900.00	5,264.49	15,281.25	5,244.18	223.12	233.08	89.03	-6,462.31	7,598.90	1,195.99	742.78	453.21	2.639	
14,000.00	5,263.62	15,381.25	5,243.28	225.40	235.39	89.03	-6,530.52	7,672.02	1,195.95	738.14	457.81	2.612	
14,100.00	5,262.76	15,481.25	5,242.38	227.68	237.70	89.02	-6,598.73	7,745.14	1,195.91	733.49	462.42	2.586	
14,200.00	5,261.90	15,581.25	5,241.48	229.96	240.02	89.02	-6,666.94	7,818.26	1,195.86	728.84	467.03	2.561	
14,300.00	5,261.04	15,681.25	5,240.58	232.25	242.33	89.02	-6,735.15	7,891.38	1,195.82	724.19	471.64	2.535	
14,400.00	5,260.18	15,781.25	5,239.67	234.53	244.65	89.02	-6,803.36	7,964.50	1,195.78	719.54	476.25	2.511	
14,500.00	5,259.32	15,881.25	5,238.77	236.81	246.96	89.02	-6,871.57	8,037.61	1,195.74	714.88	480.86	2.487	
14,600.00	5,258.46	15,981.25	5,237.87	239.10	249.27	89.01	-6,939.78	8,110.73	1,195.70	710.23	485.47	2.463	
14,700.00	5,257.60	16,081.25	5,236.97	241.38	251.59	89.01	-7,007.99	8,183.85	1,195.66	705.58	490.08	2.440	
14,800.00	5,256.74	16,181.25	5,236.07	243.67	253.90	89.01	-7,076.21	8,256.97	1,195.62	700.93	494.69	2.417	
14,900.00	5,255.88	16,281.25	5,235.16	245.96	256.22	89.01	-7,144.42	8,330.09	1,195.57	696.28	499.30	2.395	
15,000.00	5,255.02	16,381.25	5,234.26	248.25	258.53	89.01	-7,212.63	8,403.21	1,195.53	691.63	503.91	2.373	
15,100.00	5,254.15	16,481.25	5,233.36	250.53	260.85	89.00	-7,280.84	8,476.33	1,195.49	686.97	508.52	2.351	
15,200.00	5,253.29	16,581.25	5,232.46	252.82	263.16	89.00	-7,349.05	8,549.45	1,195.45	682.32	513.13	2.330	
15,300.00	5,252.43	16,681.25	5,231.56	255.11	265.48	89.00	-7,417.26	8,622.57	1,195.41	677.67	517.74	2.309	

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	DT_Jan1924v17
Reference Design:	rev0	Offset TVD Reference:	Offset Datum

Offset Design:	Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 217H - Original Hole - rev0											Offset Site Error:	0.00 ft
Survey Program:	0-MWD											Offset Well Error:	0.00 ft
Reference	Offset	Rule Assigned:											
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	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
15,400.00	5,251.57	16,781.25	5,230.65	257.40	267.79	89.00	-7,485.47	8,695.69	1,195.37	673.01	522.35	2.288	
15,467.26	5,250.99	16,848.51	5,230.05	258.94	269.35	89.00	-7,531.35	8,744.87	1,195.34	669.88	525.46	2.275 SF	



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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

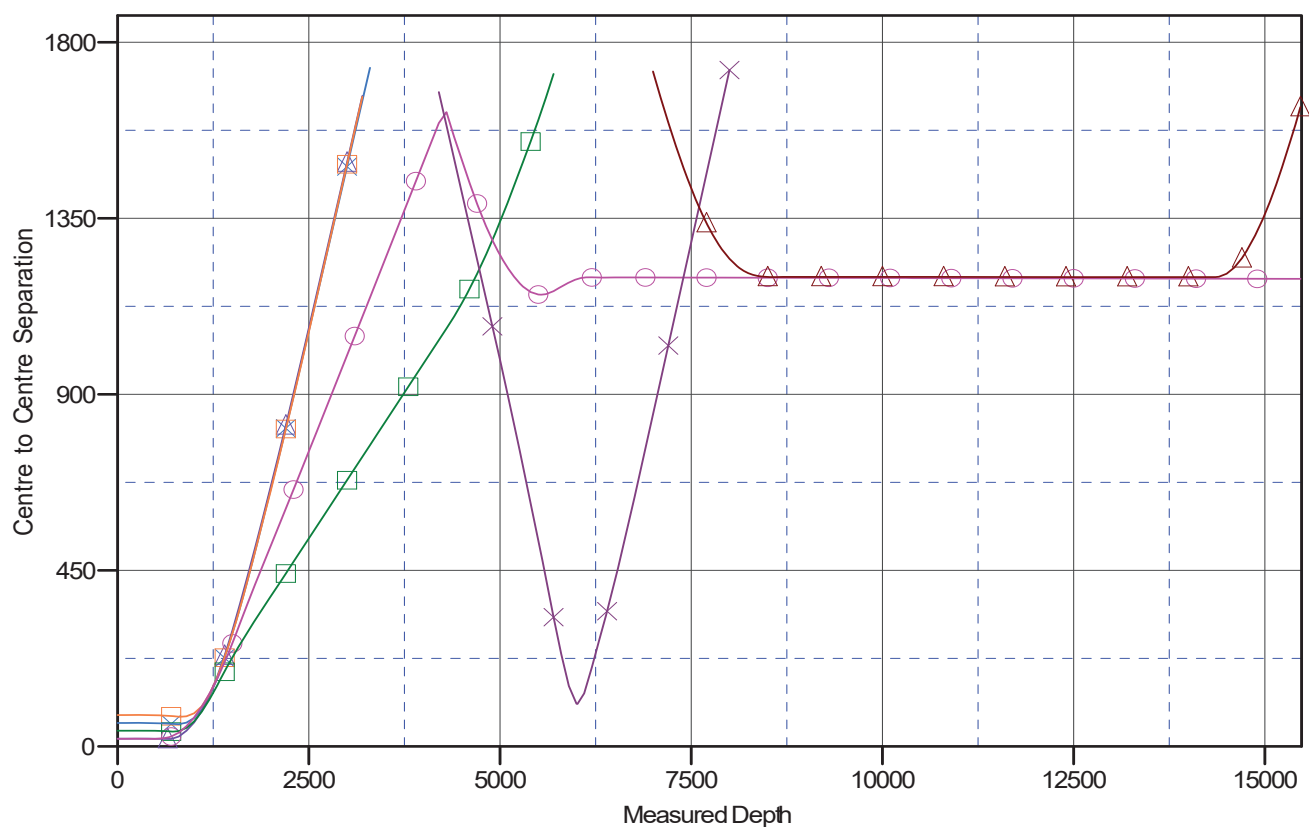
Central Meridian is -107.8333333

Coordinates are relative to: Nageezi Unit 218H

Coordinate System is US State Plane 1983, New Mexico Western Zone

Grid Convergence at Surface is: 0.04°

Ladder Plot



LEGEND

	Nageezi Unit 216H Original Hole, rev0 V0		Nageezi Unit 213H Original Hole, rev0 V0		Nageezi Unit 207H Original Hole, rev0 V0
	Nageezi Unit 215H Original Hole, rev0 V0		Nageezi Unit 217H Original Hole, rev0 V0		
	Nageezi Unit 214H Original Hole, rev0 V0				

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



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 218H
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 218H	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

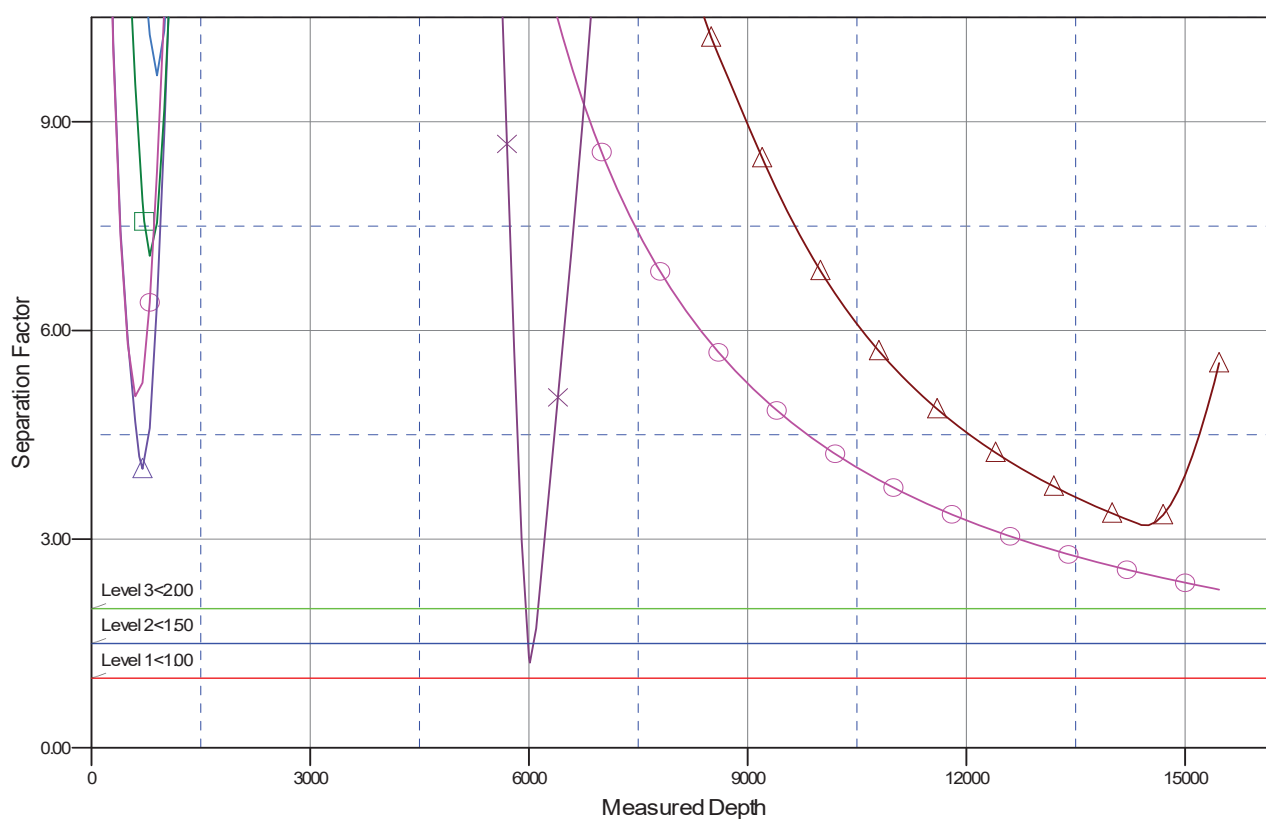
Central Meridian is -107.8333333

Coordinates are relative to: Nageezi Unit 218H

Coordinate System is US State Plane 1983, New Mexico Western Zone

Grid Convergence at Surface is: 0.04°

Separation Factor Plot



LEGEND

	Nageezi Unit 216H Original Hole, rev0 V0		Nageezi Unit 213H Original Hole, rev0 V0		Nageezi Unit 218H Original Hole, rev0 V0
	Nageezi Unit 215H Original Hole, rev0 V0		Nageezi Unit 217H Original Hole, rev0 V0		
	Nageezi Unit 214H Original Hole, rev0 V0		Nageezi Unit 21623H Original Hole, rev0 V0		

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

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

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

CONDITIONS

Action 318486

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 318486
	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