

Well Name: NAGEEZI UNIT	Well Location: T24N / R9W / SEC 26 / NWSW /	County or Parish/State:
Well Number: 214H	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: 30-045-38294	Well Status: Approved Application for Permit to Drill	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2776633

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

Procedure Description: The subject well has been assigned API No: 30-045-38294 and is located within DJRs undivided Nageezi Unit. Original plans were to drill a 4910-ft lateral. DJR is seeking approval to lengthen the lateral to 8346-ft, changing the proposed depth to 5358 / 14109, adjusting the BHL & increasing the dedicated acres from 280 to 480. Attached please find updated C102, revised drilling plan with new casing, cement assumptions, revised directional design and proposed wellbore diagram. Please note, effective December 21, 2023, Enduring Resources, LLC & DJR Operating, LLC are wholly owned subsidiaries of Enduring Resources, LLC. Leases, rights of way, wells, and other property interests will continue to be held in their current entity names.

NOI Attachments

Procedure Description

Hz_Directional_Drilling_Plan_Rev1_20240226092608.pdf

Well Name: NAGEEZI UNIT		Well Location: T24N / R9W / SEC 26 / NWSW /	County or Parish/State:
Well Number: 214H	Type of Well: OIL WELL		Allottee or Tribe Name: EASTERN NAVAJO
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 09:26 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC

State: NM

Phone: (505) 632-3476

Email address: SFORD@DJRLLC.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 02/26/2024

Signature: Kenneth Rennick

DISTRICT I

1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 748-0720

DISTRICT II

811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

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

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-38294	² Pool Code 98080	³ Pool Name NAGEEZI UNIT MANCOS OIL POOL
⁴ Property Code 325268	⁵ Property Name NAGEEZI UNIT	⁶ Well Number 214H
⁷ OGRID 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		1779'	SOUTH	784'	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
J	21	24N	9W		2382'	SOUTH	1938'	EAST	SAN JUAN

¹² Dedicated Acres PENETRATED SPACING UNIT;
SEC 27: NE/SE, NW/SE, SE/NE, SW/NE, NW/NE,
SE/NW, NE/NW & NW/NW (320 AC.); SEC 22:
SW/SW (40 AC.); SEC 21: SE/SE, NE/SE & NW/SE
(120 AC.) = 480 ACRES

¹³ Joint or Infill

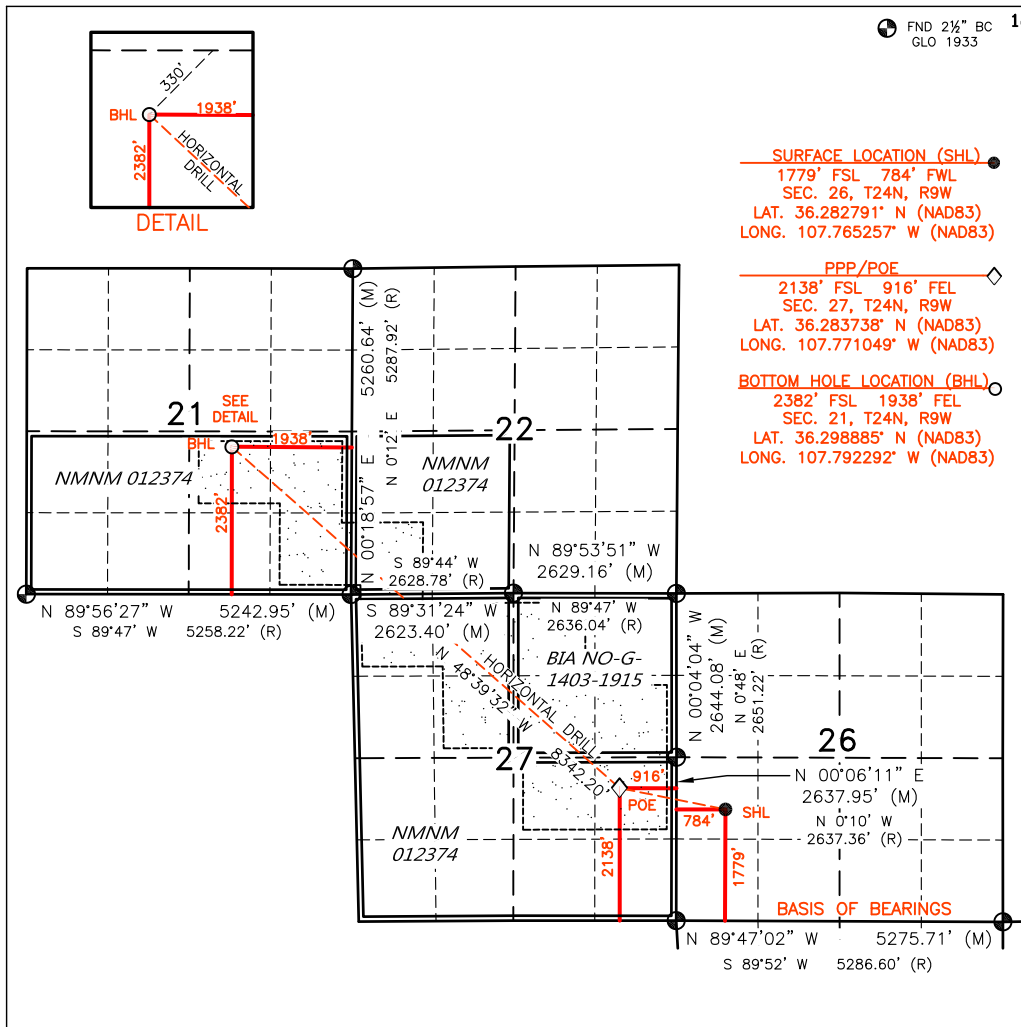
¹⁴ Consolidation Code

¹⁵ 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



END 2 1/2" BC
GLO 1933

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shaw-Marie Ford 2/23/24
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrlc.com
E-mail Address

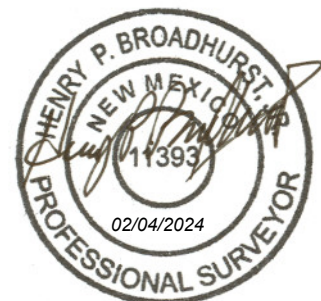
SURVEYOR CERTIFICATION

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 214H

API Number: 30-045-38294

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

1,779 ft FSL

784 ft FWL

36.282791 ° N latitude

107.765257 ° W longitude

(NAD 83)

BH Location: 36-24-N9W Sec-Twn-Rng

798 ft FNL

59 ft FWL

36.275606 ° N latitude

107.749862 ° W longitude

(NAD 83)

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

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

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:	Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
	Ojo Alamo	6,020	831	831	W	normal
	Kirtland	5,895	956	956	W	normal
	Fruitland	5,605	1,246	1,247	G, W	sub
	Pictured Cliffs	5,260	1,591	1,601	G, W	sub
	Lewis	5,149	1,702	1,718	G, W	normal
	Chacra	4,849	2,002	2,053	G, W	normal
	Cliff House	3,757	3,094	3,288	G, W	sub
	Menefee	3,727	3,124	3,322	G, W	normal
	Point Lookout	2,790	4,061	4,368	G, W	normal
	Mancos	2,592	4,259	4,573	O,G	sub (~0.38)
	Gallup (MNCS_A)	2,240	4,611	4,928	O,G	sub (~0.38)
	MNCS_B	2,155	4,696	5,013	O,G	sub (~0.38)
	MNCS_C	2,050	4,801	5,118	O,G	sub (~0.38)
	MNCS_Cms	2,005	4,846	5,164	O,G	sub (~0.38)
	MNCS_D	1,884	4,967	5,289	O,G	sub (~0.38)
	MNCS_E	1,774	5,077	5,415	O,G	sub (~0.38)
	MNCS_F	1,702	5,149	5,510	O,G	sub (~0.38)
	MNCS_G	1,623	5,228	5,635	O,G	sub (~0.38)
	MNCS_H	1,583	5,268	5,719	O,G	sub (~0.38)
	MNCS_I	1,553	5,298	5,808	O,G	sub (~0.38)
	FTP TARGET	1,566	5,285	5,763	O,G	sub (~0.38)
	PROJECTED TD	1,493	5,358	14,109	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: 2,310 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" 17.5

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					153	697	116,634	116,634
Min. S.F.					7.39	3.92	7.31	7.79

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

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

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

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

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

350 ft (MD)	to	3,435 ft (MD)	Hole Section Length:	3,085 ft
350 ft (TVD)	to	3,224 ft (TVD)	Casing Required:	3,435 ft

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

Hole Size: 12-1/4" 12.25

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

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

Logging: None

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					1,408	1,324	207,838	207,838
Min. S.F.					1.43	2.66	2.71	2.18

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	702
Tail	Type III	14.6	1.380	6.64	20%	2,935	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.

3,435 ft (MD)	to	14,109 ft (MD)	Hole Section Length:	10,674 ft
3,224 ft (TVD)	to	5,358 ft (TVD)	Casing Required:	14,109 ft

Estimated KOP:	5,063 ft (MD)	4,746 ft (TVD)
Estimated Landing Point (FTP):	5,763 ft (MD)	5,285 ft (TVD)
Estimated Lateral Length:	8,346 ft (MD)	

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

Hole Size: 8-1/2" 8.5**Bit / Motor:** 8-1/2" PDC bit w/mud motor**MWD / Survey:** MWD with GR, inclination, and azimuth (survey every joint from KOP to Landing Point and survey every 100' minimum before KOP and after Landing Point)**Logging:** GR MWD for entire section, no mud-log or cuttings sampling, no OH WL logs

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					2,647	9,002	306,971	306,971
Min. S.F.					2.82	1.18	1.78	1.45

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

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	593	1,399
Tail	G:POZ blend	13.3	1.560	7.70	10%	4,573	1,707	2,663

Displacement 326 est bbls

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

0.2526 cuft/ft 5-1/2" casing x 8-1/2" hole annulus

0.1305 cuft/ft 5-1/2" casing vol est shoe jt ft 100

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

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

FINISH WELL: ND BOP, cap well, RDMO.

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 8,246
Est Frac Inform: 34 Frac Stages 132,000 bbls slick water 10,720,000 lbs proppant
Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

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

Prepared by: Greg Olson 2/19/2024
Updated:

WELL NAME: NAGEEZI UNIT 214H
OBJECTIVE: Drill, complete, and equip single lateral in the Mancos-Gallup formation

API Number: 30-045-38294
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 1,779 ft FSL 784 ft FWL
BH Location: 36-24-N9W Sec-Twn- Rng 798 ft FNL 59 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)	3,435 ft
KOP (MD)	5,063 ft
KOP (TVD)	4,746 ft
Target (TVD)	5,285 ft
Curve BUR	10 °/100 ft
POE (MD)	5,763 ft
TD (MD)	14,109 ft
Lat Len (ft)	8,346 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	3,435	9.625	36.0	J-55	LTC	0	3,435
Production	8.750	14,109	5.500	17.0	P-110	LTC	0	14,109

CEMENT PROPERTIES SUMMARY:

	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE III	14.6	1.39	6.686	0.69464926	100%	0	350
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.3627	70%	0	702
Inter. (Tail)	Type III	14.6	1.38	6.64	0.31319299	20%	2,935	136
Prod. (Lead)	Type III	12.4	2.360	13.4	0.2691	65%	0	593
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.13052916	10%	4,573	1,707

COMPLETION / PRODUCTION SUMMARY:

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)
Flowback: Flow back through production tubing as pressures allow
Production: Produce through production tubing via gas-lift into permanent production and storage facilities

Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	831	831
Kirtland	956	956
Fruitland	1,246	1,247
Pictured Cliffs	1,591	1,601
Lewis	1,702	1,718
Chacra	2,002	2,053
Cliff House	3,094	3,288
Menefee	3,124	3,322
Point Lookout	4,061	4,368
Mancos	4,259	4,573
Gallup (MNCS_A)	4,611	4,928
MNCS_B	4,696	5,013
MNCS_C	4,801	5,118
MNCS_Cms	4,846	5,164
MNCS_D	4,967	5,289
MNCS_E	5,077	5,415
MNCS_F	5,149	5,510
MNCS_G	5,228	5,635
MNCS_H	5,268	5,719
MNCS_I	5,298	5,808
FTP TARGET	5,285	5,763
PROJECTED TD	5,358	14,109



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

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

CASING DETAILS

TVD	MD	Size
350.00	350.00	13-3/8
3271.00	3488.19	9-5/8

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00	KOP Begin 3"/100' build
3	1929.36	27.88	273.80	1893.12	14.69	-221.21	3.00	273.80	175.78	Begin 27.88° tangent
4	4033.55	27.88	273.80	3753.05	79.88	-1203.03	0.00	0.00	956.01	Begin 3"/100' drop
5	4962.91	0.00	0.00	4646.17	94.57	-1424.24	3.00	180.00	1131.79	Begin vertical hold
6	5062.91	0.00	0.00	4746.17	94.57	-1424.24	0.00	0.00	1131.79	Begin 10"/100' build
7	5762.91	70.00	311.34	5284.57	343.58	-1707.29	10.00	311.34	1508.78	POE @ 5762.91 MD 5284.57 TVD
8	5960.18	89.73	311.34	5319.12	471.22	-1852.36	10.00	0.01	1702.01	Begin 89.73° lateral
9	14109.32	89.73	311.34	5358.00	5854.15	-7970.47	0.00	0.00	9851.07	PBHL @ 14109.32 MD 5358.00 TVD

DESIGN TARGET DETAILS

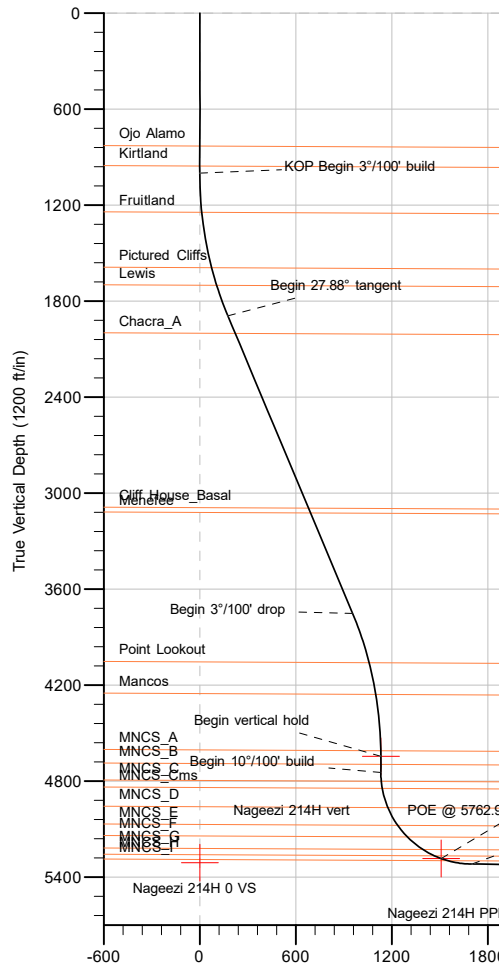
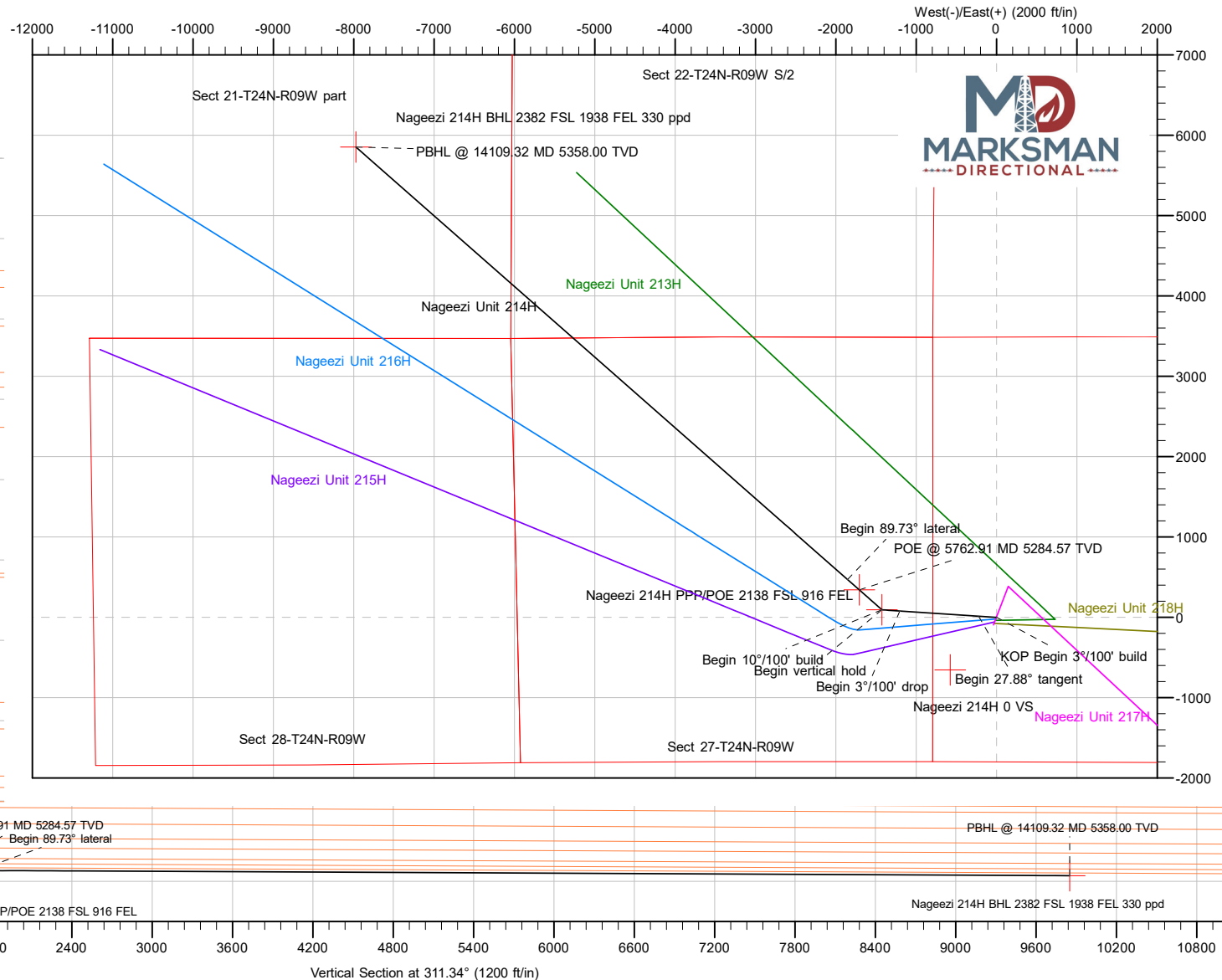
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nageezi 214H 0 VS	5311.00	-653.05	-574.53	1921589.22	2742581.12	36.28099813	-107.78720787
Nageezi 214H BHL 2382 FSL 1938 FEL 330 ppd	5358.00	5854.15	-7970.47	1928096.41	2735185.20	36.29888500	-107.79229200
Nageezi 214H PPP/POE 2138 FSL 916 FEL	5284.57	343.58	-1707.29	1922585.86	2741448.37	36.28373800	-107.77104900
Nageezi 214H vert	4646.17	94.57	-1424.24	1922336.84	2741731.42	36.28305344	-107.77008917



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

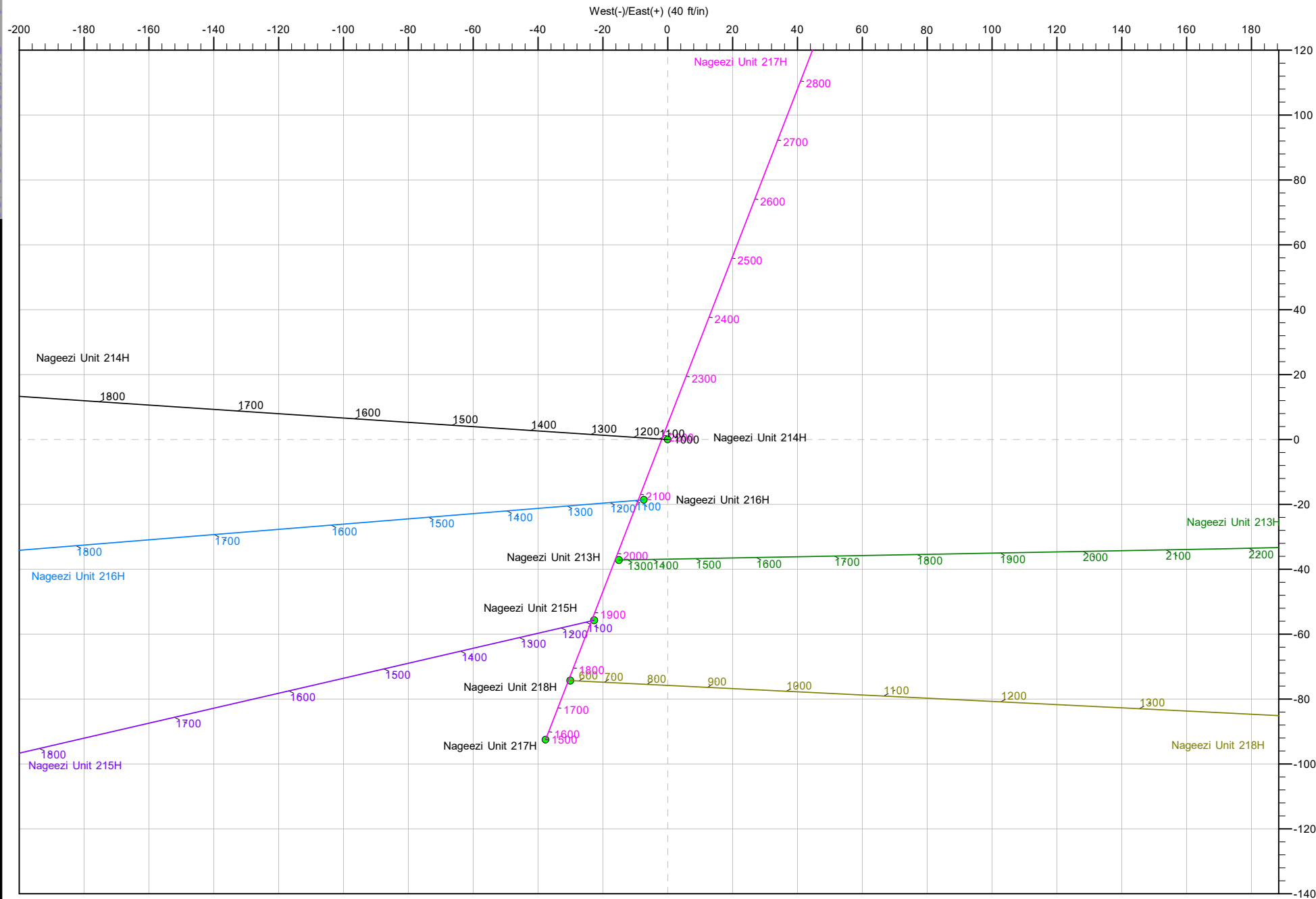
Magnetic Field
Strength: 49066.3nT
Dip Angle: 62.73°
Date: 2/7/2024
Model: IGRF2020

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





Well: Nageezi Unit 214H
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 214H
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 214H	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 214H, Surf loc: 1779 FSL 784 FWL Section 26-T24N-R09W						
Well Position		+N/-S	0.00 ft	Northing:		1,922,242.28 usft		Latitude:		36.28279100			
		+E/-W	0.00 ft			Easting:				2,743,155.65 usft		Longitude:	
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	2/7/2024	8.53	62.73	49,066.33119756

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	311.34	

Plan Survey Tool Program	Date	2/8/2024			
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	14,109.32	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,929.36	27.88	273.80	1,893.12	14.69	-221.21	3.00	3.00	0.00	273.80	
4,033.55	27.88	273.80	3,753.05	79.88	-1,203.03	0.00	0.00	0.00	0.00	
4,962.91	0.00	0.01	4,646.17	94.57	-1,424.24	3.00	-3.00	0.00	180.00	Nageezi 214H vert
5,062.91	0.00	0.01	4,746.17	94.57	-1,424.24	0.00	0.00	0.00	0.01	
5,762.91	70.00	311.34	5,284.57	343.58	-1,707.29	10.00	10.00	0.00	311.34	
5,960.18	89.73	311.34	5,319.12	471.22	-1,852.36	10.00	10.00	0.00	0.01	
14,109.32	89.73	311.34	5,358.00	5,854.15	-7,970.47	0.00	0.00	0.00	0.00	Nageezi 214H BHL 2'



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
831.00	0.00	0.00	831.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
956.00	0.00	0.00	956.00	0.00	0.00	0.00	0.00	0.00	0.00
Kirtland									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
1,100.00	3.00	273.80	1,099.95	0.17	-2.61	2.08	3.00	3.00	0.00
1,200.00	6.00	273.80	1,199.63	0.69	-10.44	8.30	3.00	3.00	0.00
1,246.75	7.40	273.80	1,246.06	1.05	-15.88	12.62	3.00	3.00	0.00
Fruitland									
1,300.00	9.00	273.80	1,298.77	1.56	-23.46	18.64	3.00	3.00	0.00
1,400.00	12.00	273.80	1,397.08	2.77	-41.64	33.09	3.00	3.00	0.00
1,500.00	15.00	273.80	1,494.31	4.31	-64.93	51.60	3.00	3.00	0.00
1,600.00	18.00	273.80	1,590.18	6.19	-93.27	74.12	3.00	3.00	0.00
1,601.23	18.04	273.80	1,591.35	6.22	-93.65	74.42	3.00	3.00	0.00
Pictured Cliffs									
1,700.00	21.00	273.80	1,684.43	8.40	-126.57	100.58	3.00	3.00	0.00
1,718.31	21.55	273.80	1,701.50	8.84	-133.20	105.85	3.00	3.00	0.00
Lewis									
1,800.00	24.00	273.80	1,776.81	10.94	-164.75	130.92	3.00	3.00	0.00
1,900.00	27.00	273.80	1,867.06	13.79	-207.70	165.06	3.00	3.00	0.00
1,929.36	27.88	273.80	1,893.12	14.69	-221.21	175.78	3.00	3.00	0.00
Begin 27.88° tangent									
2,000.00	27.88	273.80	1,955.55	16.88	-254.17	201.98	0.00	0.00	0.00
2,052.59	27.88	273.80	2,002.04	18.51	-278.71	221.48	0.00	0.00	0.00
Chacra_A									
2,100.00	27.88	273.80	2,043.95	19.97	-300.83	239.06	0.00	0.00	0.00
2,200.00	27.88	273.80	2,132.34	23.07	-347.49	276.14	0.00	0.00	0.00
2,300.00	27.88	273.80	2,220.73	26.17	-394.15	313.21	0.00	0.00	0.00
2,400.00	27.88	273.80	2,309.12	29.27	-440.81	350.29	0.00	0.00	0.00
2,500.00	27.88	273.80	2,397.52	32.37	-487.47	387.37	0.00	0.00	0.00
2,600.00	27.88	273.80	2,485.91	35.47	-534.13	424.45	0.00	0.00	0.00
2,700.00	27.88	273.80	2,574.30	38.56	-580.79	461.53	0.00	0.00	0.00
2,800.00	27.88	273.80	2,662.69	41.66	-627.45	498.61	0.00	0.00	0.00
2,900.00	27.88	273.80	2,751.08	44.76	-674.11	535.69	0.00	0.00	0.00
3,000.00	27.88	273.80	2,839.48	47.86	-720.77	572.77	0.00	0.00	0.00
3,100.00	27.88	273.80	2,927.87	50.96	-767.43	609.85	0.00	0.00	0.00
3,200.00	27.88	273.80	3,016.26	54.06	-814.09	646.93	0.00	0.00	0.00
3,288.18	27.88	273.80	3,094.20	56.79	-855.24	679.63	0.00	0.00	0.00
Cliff House_Basal									
3,300.00	27.88	273.80	3,104.65	57.15	-860.75	684.01	0.00	0.00	0.00
3,322.18	27.88	273.80	3,124.26	57.84	-871.11	692.24	0.00	0.00	0.00



Planning Report

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Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 214H	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)	
Menefee										
3,400.00	27.88	273.80	3,193.05	60.25	-907.42	721.09	0.00	0.00	0.00	
3,488.19	27.88	273.80	3,271.00	62.99	-948.57	753.79	0.00	0.00	0.00	
3,500.00	27.88	273.80	3,281.44	63.35	-954.08	758.17	0.00	0.00	0.00	
3,600.00	27.88	273.80	3,369.83	66.45	-1,000.74	795.25	0.00	0.00	0.00	
3,700.00	27.88	273.80	3,458.22	69.55	-1,047.40	832.33	0.00	0.00	0.00	
3,800.00	27.88	273.80	3,546.61	72.65	-1,094.06	869.41	0.00	0.00	0.00	
3,900.00	27.88	273.80	3,635.01	75.74	-1,140.72	906.49	0.00	0.00	0.00	
4,000.00	27.88	273.80	3,723.40	78.84	-1,187.38	943.57	0.00	0.00	0.00	
4,033.55	27.88	273.80	3,753.05	79.88	-1,203.03	956.01	0.00	0.00	0.00	
Begin 3°/100' drop										
4,100.00	25.89	273.80	3,812.32	81.87	-1,233.01	979.83	3.00	-3.00	0.00	
4,200.00	22.89	273.80	3,903.39	84.61	-1,274.21	1,012.57	3.00	-3.00	0.00	
4,300.00	19.89	273.80	3,996.49	87.02	-1,310.59	1,041.48	3.00	-3.00	0.00	
4,368.17	17.84	273.80	4,060.99	88.48	-1,332.58	1,058.95	3.00	-3.00	0.00	
Point Lookout										
4,400.00	16.89	273.80	4,091.37	89.11	-1,342.06	1,066.49	3.00	-3.00	0.00	
4,500.00	13.89	273.80	4,187.78	90.87	-1,368.54	1,087.52	3.00	-3.00	0.00	
4,573.23	11.69	273.80	4,259.19	91.95	-1,384.71	1,100.38	3.00	-3.00	0.00	
Mancos										
4,600.00	10.89	273.80	4,285.44	92.29	-1,389.94	1,104.53	3.00	-3.00	0.00	
4,700.00	7.89	273.80	4,384.09	93.37	-1,406.21	1,117.46	3.00	-3.00	0.00	
4,800.00	4.89	273.80	4,483.46	94.11	-1,417.31	1,126.28	3.00	-3.00	0.00	
4,900.00	1.89	273.80	4,583.27	94.50	-1,423.21	1,130.97	3.00	-3.00	0.00	
4,928.07	1.05	273.80	4,611.33	94.55	-1,423.92	1,131.54	3.00	-3.00	0.00	
MNCS_A										
4,962.91	0.00	0.01	4,646.17	94.57	-1,424.24	1,131.79	3.00	-3.00	0.00	
Begin vertical hold										
5,000.00	0.00	0.00	4,683.26	94.57	-1,424.24	1,131.79	0.00	0.00	0.00	
5,013.08	0.00	0.00	4,696.33	94.57	-1,424.24	1,131.79	0.00	0.00	0.00	
MNCS_B										
5,062.91	0.00	0.00	4,746.17	94.57	-1,424.24	1,131.79	0.00	0.00	0.00	
Begin 10°/100' build										
5,100.00	3.71	311.34	4,783.23	95.36	-1,425.14	1,132.99	10.00	10.00	0.00	
5,118.17	5.53	311.34	4,801.35	96.33	-1,426.24	1,134.45	10.00	10.00	0.00	
MNCS_C										
5,150.00	8.71	311.34	4,832.92	98.93	-1,429.20	1,138.40	10.00	10.00	0.00	
5,163.63	10.07	311.34	4,846.38	100.40	-1,430.87	1,140.62	10.00	10.00	0.00	
MNCS_Cms										
5,200.00	13.71	311.34	4,881.95	105.35	-1,436.49	1,148.11	10.00	10.00	0.00	
5,250.00	18.71	311.34	4,929.95	114.57	-1,446.97	1,162.06	10.00	10.00	0.00	
5,289.11	22.62	311.34	4,966.54	123.68	-1,457.33	1,175.86	10.00	10.00	0.00	
MNCS_D										
5,300.00	23.71	311.34	4,976.55	126.51	-1,460.55	1,180.15	10.00	10.00	0.00	
5,350.00	28.71	311.34	5,021.40	141.09	-1,477.12	1,202.22	10.00	10.00	0.00	
5,400.00	33.71	311.34	5,064.15	158.20	-1,496.57	1,228.12	10.00	10.00	0.00	
5,415.39	35.25	311.34	5,076.83	163.95	-1,503.11	1,236.83	10.00	10.00	0.00	
MNCS_E										
5,450.00	38.71	311.34	5,104.48	177.70	-1,518.74	1,257.65	10.00	10.00	0.00	
5,500.00	43.71	311.34	5,142.08	199.45	-1,543.46	1,290.58	10.00	10.00	0.00	
5,509.81	44.69	311.34	5,149.11	203.97	-1,548.59	1,297.42	10.00	10.00	0.00	
MNCS_F										



Planning Report

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

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,550.00	48.71	311.34	5,176.67	223.29	-1,570.55	1,326.66	10.00	10.00	0.00
5,600.00	53.71	311.34	5,207.99	249.02	-1,599.80	1,365.62	10.00	10.00	0.00
5,634.52	57.16	311.34	5,227.57	267.80	-1,621.14	1,394.05	10.00	10.00	0.00
MNCS_G									
5,650.00	58.71	311.34	5,235.78	276.46	-1,630.99	1,407.16	10.00	10.00	0.00
5,700.00	63.71	311.34	5,259.86	305.39	-1,663.88	1,450.97	10.00	10.00	0.00
5,718.83	65.59	311.34	5,267.92	316.63	-1,676.65	1,467.98	10.00	10.00	0.00
MNCS_H									
5,750.00	68.71	311.34	5,280.02	335.60	-1,698.22	1,496.70	10.00	10.00	0.00
5,762.91	70.00	311.34	5,284.57	343.58	-1,707.29	1,508.78	10.00	10.00	0.00
POE @ 5762.91 MD 5284.57 TVD									
5,800.00	73.71	311.34	5,296.12	366.86	-1,733.75	1,544.02	10.00	10.00	0.00
5,808.00	74.51	311.34	5,298.31	371.94	-1,739.52	1,551.71	10.00	10.00	0.00
MNCS_I									
5,850.00	78.71	311.34	5,308.04	398.92	-1,770.19	1,592.57	10.00	10.00	0.00
5,900.00	83.71	311.34	5,315.68	431.55	-1,807.28	1,641.96	10.00	10.00	0.00
5,950.00	88.71	311.34	5,318.98	464.50	-1,844.72	1,691.84	10.00	10.00	0.00
5,960.18	89.73	311.34	5,319.12	471.22	-1,852.36	1,702.01	10.00	10.00	0.00
Begin 89.73° lateral									
6,000.00	89.73	311.34	5,319.31	497.53	-1,882.26	1,741.84	0.00	0.00	0.00
6,100.00	89.73	311.34	5,319.79	563.58	-1,957.34	1,841.83	0.00	0.00	0.00
6,200.00	89.73	311.34	5,320.27	629.64	-2,032.41	1,941.83	0.00	0.00	0.00
6,300.00	89.73	311.34	5,320.74	695.69	-2,107.49	2,041.83	0.00	0.00	0.00
6,400.00	89.73	311.34	5,321.22	761.75	-2,182.57	2,141.83	0.00	0.00	0.00
6,500.00	89.73	311.34	5,321.70	827.80	-2,257.64	2,241.83	0.00	0.00	0.00
6,600.00	89.73	311.34	5,322.17	893.86	-2,332.72	2,341.83	0.00	0.00	0.00
6,700.00	89.73	311.34	5,322.65	959.91	-2,407.80	2,441.83	0.00	0.00	0.00
6,800.00	89.73	311.34	5,323.13	1,025.97	-2,482.87	2,541.83	0.00	0.00	0.00
6,900.00	89.73	311.34	5,323.61	1,092.02	-2,557.95	2,641.83	0.00	0.00	0.00
7,000.00	89.73	311.34	5,324.08	1,158.08	-2,633.03	2,741.82	0.00	0.00	0.00
7,100.00	89.73	311.34	5,324.56	1,224.13	-2,708.10	2,841.82	0.00	0.00	0.00
7,200.00	89.73	311.34	5,325.04	1,290.19	-2,783.18	2,941.82	0.00	0.00	0.00
7,300.00	89.73	311.34	5,325.51	1,356.24	-2,858.26	3,041.82	0.00	0.00	0.00
7,400.00	89.73	311.34	5,325.99	1,422.30	-2,933.33	3,141.82	0.00	0.00	0.00
7,500.00	89.73	311.34	5,326.47	1,488.35	-3,008.41	3,241.82	0.00	0.00	0.00
7,600.00	89.73	311.34	5,326.94	1,554.41	-3,083.49	3,341.82	0.00	0.00	0.00
7,700.00	89.73	311.34	5,327.42	1,620.46	-3,158.56	3,441.82	0.00	0.00	0.00
7,800.00	89.73	311.34	5,327.90	1,686.52	-3,233.64	3,541.82	0.00	0.00	0.00
7,900.00	89.73	311.34	5,328.38	1,752.57	-3,308.72	3,641.81	0.00	0.00	0.00
8,000.00	89.73	311.34	5,328.85	1,818.63	-3,383.79	3,741.81	0.00	0.00	0.00
8,100.00	89.73	311.34	5,329.33	1,884.68	-3,458.87	3,841.81	0.00	0.00	0.00
8,200.00	89.73	311.34	5,329.81	1,950.74	-3,533.95	3,941.81	0.00	0.00	0.00
8,300.00	89.73	311.34	5,330.28	2,016.79	-3,609.02	4,041.81	0.00	0.00	0.00
8,400.00	89.73	311.34	5,330.76	2,082.85	-3,684.10	4,141.81	0.00	0.00	0.00
8,500.00	89.73	311.34	5,331.24	2,148.90	-3,759.18	4,241.81	0.00	0.00	0.00
8,600.00	89.73	311.34	5,331.72	2,214.96	-3,834.25	4,341.81	0.00	0.00	0.00
8,700.00	89.73	311.34	5,332.19	2,281.01	-3,909.33	4,441.81	0.00	0.00	0.00
8,800.00	89.73	311.34	5,332.67	2,347.07	-3,984.41	4,541.80	0.00	0.00	0.00
8,900.00	89.73	311.34	5,333.15	2,413.12	-4,059.48	4,641.80	0.00	0.00	0.00
9,000.00	89.73	311.34	5,333.62	2,479.18	-4,134.56	4,741.80	0.00	0.00	0.00
9,100.00	89.73	311.34	5,334.10	2,545.23	-4,209.64	4,841.80	0.00	0.00	0.00
9,200.00	89.73	311.34	5,334.58	2,611.29	-4,284.71	4,941.80	0.00	0.00	0.00
9,300.00	89.73	311.34	5,335.06	2,677.34	-4,359.79	5,041.80	0.00	0.00	0.00



Planning Report

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,400.00	89.73	311.34	5,335.53	2,743.40	-4,434.87	5,141.80	0.00	0.00	0.00
9,500.00	89.73	311.34	5,336.01	2,809.45	-4,509.94	5,241.80	0.00	0.00	0.00
9,600.00	89.73	311.34	5,336.49	2,875.51	-4,585.02	5,341.79	0.00	0.00	0.00
9,700.00	89.73	311.34	5,336.96	2,941.56	-4,660.10	5,441.79	0.00	0.00	0.00
9,800.00	89.73	311.34	5,337.44	3,007.62	-4,735.17	5,541.79	0.00	0.00	0.00
9,900.00	89.73	311.34	5,337.92	3,073.67	-4,810.25	5,641.79	0.00	0.00	0.00
10,000.00	89.73	311.34	5,338.39	3,139.73	-4,885.32	5,741.79	0.00	0.00	0.00
10,100.00	89.73	311.34	5,338.87	3,205.78	-4,960.40	5,841.79	0.00	0.00	0.00
10,200.00	89.73	311.34	5,339.35	3,271.84	-5,035.48	5,941.79	0.00	0.00	0.00
10,300.00	89.73	311.34	5,339.83	3,337.89	-5,110.55	6,041.79	0.00	0.00	0.00
10,400.00	89.73	311.34	5,340.30	3,403.95	-5,185.63	6,141.79	0.00	0.00	0.00
10,500.00	89.73	311.34	5,340.78	3,470.00	-5,260.71	6,241.78	0.00	0.00	0.00
10,600.00	89.73	311.34	5,341.26	3,536.06	-5,335.78	6,341.78	0.00	0.00	0.00
10,700.00	89.73	311.34	5,341.73	3,602.11	-5,410.86	6,441.78	0.00	0.00	0.00
10,800.00	89.73	311.34	5,342.21	3,668.17	-5,485.94	6,541.78	0.00	0.00	0.00
10,900.00	89.73	311.34	5,342.69	3,734.23	-5,561.01	6,641.78	0.00	0.00	0.00
11,000.00	89.73	311.34	5,343.17	3,800.28	-5,636.09	6,741.78	0.00	0.00	0.00
11,100.00	89.73	311.34	5,343.64	3,866.34	-5,711.17	6,841.78	0.00	0.00	0.00
11,200.00	89.73	311.34	5,344.12	3,932.39	-5,786.24	6,941.78	0.00	0.00	0.00
11,300.00	89.73	311.34	5,344.60	3,998.45	-5,861.32	7,041.78	0.00	0.00	0.00
11,400.00	89.73	311.34	5,345.07	4,064.50	-5,936.40	7,141.77	0.00	0.00	0.00
11,500.00	89.73	311.34	5,345.55	4,130.56	-6,011.47	7,241.77	0.00	0.00	0.00
11,600.00	89.73	311.34	5,346.03	4,196.61	-6,086.55	7,341.77	0.00	0.00	0.00
11,700.00	89.73	311.34	5,346.51	4,262.67	-6,161.63	7,441.77	0.00	0.00	0.00
11,800.00	89.73	311.34	5,346.98	4,328.72	-6,236.70	7,541.77	0.00	0.00	0.00
11,900.00	89.73	311.34	5,347.46	4,394.78	-6,311.78	7,641.77	0.00	0.00	0.00
12,000.00	89.73	311.34	5,347.94	4,460.83	-6,386.86	7,741.77	0.00	0.00	0.00
12,100.00	89.73	311.34	5,348.41	4,526.89	-6,461.93	7,841.77	0.00	0.00	0.00
12,200.00	89.73	311.34	5,348.89	4,592.94	-6,537.01	7,941.77	0.00	0.00	0.00
12,300.00	89.73	311.34	5,349.37	4,659.00	-6,612.09	8,041.76	0.00	0.00	0.00
12,400.00	89.73	311.34	5,349.85	4,725.05	-6,687.16	8,141.76	0.00	0.00	0.00
12,500.00	89.73	311.34	5,350.32	4,791.11	-6,762.24	8,241.76	0.00	0.00	0.00
12,600.00	89.73	311.34	5,350.80	4,857.16	-6,837.32	8,341.76	0.00	0.00	0.00
12,700.00	89.73	311.34	5,351.28	4,923.22	-6,912.39	8,441.76	0.00	0.00	0.00
12,800.00	89.73	311.34	5,351.75	4,989.27	-6,987.47	8,541.76	0.00	0.00	0.00
12,900.00	89.73	311.34	5,352.23	5,055.33	-7,062.55	8,641.76	0.00	0.00	0.00
13,000.00	89.73	311.34	5,352.71	5,121.38	-7,137.62	8,741.76	0.00	0.00	0.00
13,100.00	89.73	311.34	5,353.18	5,187.44	-7,212.70	8,841.76	0.00	0.00	0.00
13,200.00	89.73	311.34	5,353.66	5,253.49	-7,287.78	8,941.75	0.00	0.00	0.00
13,300.00	89.73	311.34	5,354.14	5,319.55	-7,362.85	9,041.75	0.00	0.00	0.00
13,400.00	89.73	311.34	5,354.62	5,385.60	-7,437.93	9,141.75	0.00	0.00	0.00
13,500.00	89.73	311.34	5,355.09	5,451.66	-7,513.01	9,241.75	0.00	0.00	0.00
13,600.00	89.73	311.34	5,355.57	5,517.71	-7,588.08	9,341.75	0.00	0.00	0.00
13,700.00	89.73	311.34	5,356.05	5,583.77	-7,663.16	9,441.75	0.00	0.00	0.00
13,800.00	89.73	311.34	5,356.52	5,649.82	-7,738.24	9,541.75	0.00	0.00	0.00
13,900.00	89.73	311.34	5,357.00	5,715.88	-7,813.31	9,641.75	0.00	0.00	0.00
14,000.00	89.73	311.34	5,357.48	5,781.93	-7,888.39	9,741.74	0.00	0.00	0.00
14,109.32	89.73	311.34	5,358.00	5,854.15	-7,970.47	9,851.07	0.00	0.00	0.00
PBHL @ 14109.32 MD 5358.00 TVD									
3,488.19		3,271.00					9-5/8		12-1/4



Planning Report

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

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
831.00	831.00	Ojo Alamo		0.27	311.34	
956.00	956.00	Kirtland		0.27	311.34	
1,246.75	1,246.06	Fruitland		0.27	311.34	
1,601.23	1,591.35	Pictured Cliffs		0.27	311.34	
1,718.31	1,701.50	Lewis		0.27	311.34	
2,052.59	2,002.04	Chacra_A		0.27	311.34	
3,288.18	3,094.20	Cliff House_Basal		0.27	311.34	
3,322.18	3,124.26	Menefee		0.27	311.34	
4,368.17	4,060.99	Point Lookout		0.27	311.34	
4,573.23	4,259.19	Mancos		0.27	311.34	
4,928.07	4,611.33	MNCS_A		0.27	311.34	
5,013.08	4,696.33	MNCS_B		0.27	311.34	
5,118.17	4,801.35	MNCS_C		0.27	311.34	
5,163.63	4,846.38	MNCS_Cms		0.27	311.34	
5,289.11	4,966.54	MNCS_D		0.27	311.34	
5,415.39	5,076.83	MNCS_E		0.27	311.34	
5,509.81	5,149.11	MNCS_F		0.27	311.34	
5,634.52	5,227.57	MNCS_G		0.27	311.34	
5,718.83	5,267.92	MNCS_H		0.27	311.34	
5,808.00	5,298.31	MNCS_I		0.27	311.34	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build	
1,929.36	1,893.12	14.69	-221.21	Begin 27.88° tangent	
4,033.55	3,753.05	79.88	-1,203.03	Begin 3°/100' drop	
4,962.91	4,646.17	94.57	-1,424.24	Begin vertical hold	
5,062.91	4,746.17	94.57	-1,424.24	Begin 10°/100' build	
5,762.91	5,284.57	343.58	-1,707.29	POE @ 5762.91 MD 5284.57 TVD	
5,960.18	5,319.12	471.22	-1,852.36	Begin 89.73° lateral	
14,109.32	5,358.00	5,854.15	-7,970.47	PBHL @ 14109.32 MD 5358.00 TVD	



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	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 214H, Surf loc: 1779 FSL 784 FWL Section 26-T24N-R09W						
Well Position		+N/-S	0.00 ft	Northing:		1,922,242.28 usft	Latitude:		36.28279100				
		+E/-W	0.00 ft	Easting:		2,743,155.65 usft	Longitude:		-107.76525700				
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	2/7/2024	8.53	62.73	49,066.33119756

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	311.34

Plan Survey Tool Program	Date	2/8/2024		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,109.32 rev0 (Original Hole)	MWD	
			OWSG MWD - Standard	



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,929.36	27.88	273.80	1,893.12	14.69	-221.21	3.00	3.00	0.00	273.80	
4,033.55	27.88	273.80	3,753.05	79.88	-1,203.03	0.00	0.00	0.00	0.00	
4,962.91	0.00	0.01	4,646.17	94.57	-1,424.24	3.00	-3.00	0.00	180.00	Nageezi 214H vert
5,062.91	0.00	0.01	4,746.17	94.57	-1,424.24	0.00	0.00	0.00	0.01	
5,762.91	70.00	311.34	5,284.57	343.58	-1,707.29	10.00	10.00	0.00	311.34	
5,960.18	89.73	311.34	5,319.12	471.22	-1,852.36	10.00	10.00	0.00	0.01	
14,109.32	89.73	311.34	5,358.00	5,854.15	-7,970.47	0.00	0.00	0.00	0.00	Nageezi 214H BHL 2'



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	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	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
100.00	0.00	0.00	100.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
200.00	0.00	0.00	200.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
300.00	0.00	0.00	300.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
350.00	0.00	0.00	350.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
400.00	0.00	0.00	400.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
500.00	0.00	0.00	500.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
600.00	0.00	0.00	600.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
700.00	0.00	0.00	700.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
800.00	0.00	0.00	800.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
831.00	0.00	0.00	831.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
Ojo Alamo									
900.00	0.00	0.00	900.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
956.00	0.00	0.00	956.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
Kirtland									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	1,922,242.28	2,743,155.65	36.28279100	-107.76525700
KOP Begin 3°/100' build									
1,100.00	3.00	273.80	1,099.95	0.17	-2.61	1,922,242.45	2,743,153.04	36.28279148	-107.76526587
1,200.00	6.00	273.80	1,199.63	0.69	-10.44	1,922,242.97	2,743,145.21	36.28279292	-107.76529242
1,246.75	7.40	273.80	1,246.06	1.05	-15.88	1,922,243.33	2,743,139.77	36.28279393	-107.76531089
Fruitland									
1,300.00	9.00	273.80	1,298.77	1.56	-23.46	1,922,243.83	2,743,132.19	36.28279533	-107.76533661
1,400.00	12.00	273.80	1,397.08	2.77	-41.64	1,922,245.04	2,743,114.01	36.28279868	-107.76539829
1,500.00	15.00	273.80	1,494.31	4.31	-64.93	1,922,246.59	2,743,090.72	36.28280297	-107.76547731
1,600.00	18.00	273.80	1,590.18	6.19	-93.27	1,922,248.47	2,743,062.38	36.28280819	-107.76557345
1,601.23	18.04	273.80	1,591.35	6.22	-93.65	1,922,248.49	2,743,062.00	36.28280826	-107.76557474
Pictured Cliffs									
1,700.00	21.00	273.80	1,684.43	8.40	-126.57	1,922,250.68	2,743,029.08	36.28281433	-107.76568644
1,718.31	21.55	273.80	1,701.50	8.84	-133.20	1,922,251.12	2,743,022.45	36.28281555	-107.76570894
Lewis									
1,800.00	24.00	273.80	1,776.81	10.94	-164.75	1,922,253.22	2,742,990.90	36.28282137	-107.76581598
1,900.00	27.00	273.80	1,867.06	13.79	-207.70	1,922,256.07	2,742,947.95	36.28282929	-107.76596171
1,929.36	27.88	273.80	1,893.12	14.69	-221.21	1,922,256.96	2,742,934.45	36.28283177	-107.76600751
Begin 27.88° tangent									
2,000.00	27.88	273.80	1,955.55	16.88	-254.17	1,922,259.15	2,742,901.49	36.28283785	-107.76611934
2,052.59	27.88	273.80	2,002.04	18.51	-278.71	1,922,260.78	2,742,876.95	36.28284237	-107.76620260
Chacra_A									
2,100.00	27.88	273.80	2,043.95	19.97	-300.83	1,922,262.25	2,742,854.83	36.28284645	-107.76627765
2,200.00	27.88	273.80	2,132.34	23.07	-347.49	1,922,265.35	2,742,808.17	36.28285505	-107.76643596
2,300.00	27.88	273.80	2,220.73	26.17	-394.15	1,922,268.45	2,742,761.51	36.28286365	-107.76659427
2,400.00	27.88	273.80	2,309.12	29.27	-440.81	1,922,271.55	2,742,714.85	36.28287225	-107.76675258
2,500.00	27.88	273.80	2,397.52	32.37	-487.47	1,922,274.64	2,742,668.19	36.28288085	-107.76691089
2,600.00	27.88	273.80	2,485.91	35.47	-534.13	1,922,277.74	2,742,621.53	36.28288945	-107.76706920
2,700.00	27.88	273.80	2,574.30	38.56	-580.79	1,922,280.84	2,742,574.86	36.28289805	-107.76722751
2,800.00	27.88	273.80	2,662.69	41.66	-627.45	1,922,283.94	2,742,528.20	36.28290664	-107.76738582
2,900.00	27.88	273.80	2,751.08	44.76	-674.11	1,922,287.04	2,742,481.54	36.28291524	-107.76754413
3,000.00	27.88	273.80	2,839.48	47.86	-720.77	1,922,290.14	2,742,434.88	36.28292384	-107.76770244
3,100.00	27.88	273.80	2,927.87	50.96	-767.43	1,922,293.23	2,742,388.22	36.28293244	-107.76786075
3,200.00	27.88	273.80	3,016.26	54.06	-814.09	1,922,296.33	2,742,341.56	36.28294104	-107.76801906
3,288.18	27.88	273.80	3,094.20	56.79	-855.24	1,922,299.06	2,742,300.42	36.28294862	-107.76815866
Cliff House_Basal									
3,300.00	27.88	273.80	3,104.65	57.15	-860.75	1,922,299.43	2,742,294.90	36.28294963	-107.76817738



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	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	
3,322.18	27.88	273.80	3,124.26	57.84	-871.11	1,922,300.12	2,742,284.55	36.28295154	-107.76821249	
Menefee										
3,400.00	27.88	273.80	3,193.05	60.25	-907.42	1,922,302.53	2,742,248.24	36.28295823	-107.76833569	
3,488.19	27.88	273.80	3,271.00	62.99	-948.57	1,922,305.26	2,742,207.09	36.28296581	-107.76847530	
3,500.00	27.88	273.80	3,281.44	63.35	-954.08	1,922,305.63	2,742,201.58	36.28296683	-107.76849400	
3,600.00	27.88	273.80	3,369.83	66.45	-1,000.74	1,922,308.73	2,742,154.92	36.28297543	-107.76865231	
3,700.00	27.88	273.80	3,458.22	69.55	-1,047.40	1,922,311.82	2,742,108.26	36.28298402	-107.76881062	
3,800.00	27.88	273.80	3,546.61	72.65	-1,094.06	1,922,314.92	2,742,061.60	36.28299262	-107.76896893	
3,900.00	27.88	273.80	3,635.01	75.74	-1,140.72	1,922,318.02	2,742,014.94	36.28300121	-107.76912724	
4,000.00	27.88	273.80	3,723.40	78.84	-1,187.38	1,922,321.12	2,741,968.28	36.28300981	-107.76928555	
4,033.55	27.88	273.80	3,753.05	79.88	-1,203.03	1,922,322.16	2,741,952.62	36.28301269	-107.76933866	
Begin 3°/100' drop										
4,100.00	25.89	273.80	3,812.32	81.87	-1,233.01	1,922,324.15	2,741,922.64	36.28301822	-107.76944038	
4,200.00	22.89	273.80	3,903.39	84.61	-1,274.21	1,922,326.88	2,741,881.45	36.28302581	-107.76958015	
4,300.00	19.89	273.80	3,996.49	87.02	-1,310.59	1,922,329.30	2,741,845.06	36.28303251	-107.76970359	
4,368.17	17.84	273.80	4,060.99	88.48	-1,332.58	1,922,330.76	2,741,823.07	36.28303656	-107.76977820	
Point Lookout										
4,400.00	16.89	273.80	4,091.37	89.11	-1,342.06	1,922,331.39	2,741,813.59	36.28303831	-107.76981036	
4,500.00	13.89	273.80	4,187.78	90.87	-1,368.54	1,922,333.15	2,741,787.12	36.28304318	-107.76990018	
4,573.23	11.69	273.80	4,259.19	91.95	-1,384.71	1,922,334.22	2,741,770.95	36.28304616	-107.76995506	
Mancos										
4,600.00	10.89	273.80	4,285.44	92.29	-1,389.94	1,922,334.57	2,741,765.72	36.28304712	-107.76997280	
4,700.00	7.89	273.80	4,384.09	93.37	-1,406.21	1,922,335.65	2,741,749.44	36.28305012	-107.77002801	
4,800.00	4.89	273.80	4,483.46	94.11	-1,417.31	1,922,336.39	2,741,738.35	36.28305217	-107.77006567	
4,900.00	1.89	273.80	4,583.27	94.50	-1,423.21	1,922,336.78	2,741,732.45	36.28305325	-107.77008567	
4,928.07	1.05	273.80	4,611.33	94.55	-1,423.92	1,922,336.83	2,741,731.73	36.28305338	-107.77008810	
MNCS_A										
4,962.91	0.00	0.01	4,646.17	94.57	-1,424.24	1,922,336.85	2,741,731.42	36.28305344	-107.77008917	
Begin vertical hold										
5,000.00	0.00	0.00	4,683.26	94.57	-1,424.24	1,922,336.85	2,741,731.42	36.28305344	-107.77008917	
5,013.08	0.00	0.00	4,696.33	94.57	-1,424.24	1,922,336.85	2,741,731.42	36.28305344	-107.77008917	
MNCS_B										
5,062.91	0.00	0.00	4,746.17	94.57	-1,424.24	1,922,336.85	2,741,731.42	36.28305344	-107.77008917	
Begin 10°/100' build										
5,100.00	3.71	311.34	4,783.23	95.36	-1,425.14	1,922,337.64	2,741,730.52	36.28305562	-107.77009223	
5,118.17	5.53	311.34	4,801.35	96.33	-1,426.24	1,922,338.61	2,741,729.42	36.28305828	-107.77009595	
MNCS_C										
5,150.00	8.71	311.34	4,832.92	98.93	-1,429.20	1,922,341.21	2,741,726.46	36.28306544	-107.77010599	
5,163.63	10.07	311.34	4,846.38	100.40	-1,430.87	1,922,342.68	2,741,724.79	36.28306948	-107.77011166	
MNCS_Cms										
5,200.00	13.71	311.34	4,881.95	105.35	-1,436.49	1,922,347.63	2,741,719.16	36.28308308	-107.77013073	
5,250.00	18.71	311.34	4,929.95	114.57	-1,446.97	1,922,356.84	2,741,708.69	36.28310842	-107.77016625	
5,289.11	22.62	311.34	4,966.54	123.68	-1,457.33	1,922,365.96	2,741,698.33	36.28313348	-107.77020139	
MNCS_D										
5,300.00	23.71	311.34	4,976.55	126.51	-1,460.55	1,922,368.79	2,741,695.11	36.28314125	-107.77021229	
5,350.00	28.71	311.34	5,021.40	141.09	-1,477.12	1,922,383.37	2,741,678.54	36.28318134	-107.77026849	
5,400.00	33.71	311.34	5,064.15	158.20	-1,496.57	1,922,400.48	2,741,659.09	36.28322837	-107.77033444	
5,415.39	35.25	311.34	5,076.83	163.95	-1,503.11	1,922,406.23	2,741,652.55	36.28324418	-107.77035661	
MNCS_E										
5,450.00	38.71	311.34	5,104.48	177.70	-1,518.74	1,922,419.98	2,741,636.92	36.28328198	-107.77040961	
5,500.00	43.71	311.34	5,142.08	199.45	-1,543.46	1,922,441.73	2,741,612.20	36.28334178	-107.77049345	
5,509.81	44.69	311.34	5,149.11	203.97	-1,548.59	1,922,446.25	2,741,607.06	36.28335420	-107.77051086	
MNCS_F										



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

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,550.00	48.71	311.34	5,176.67	223.29	-1,570.55	1,922,465.56	2,741,585.11	36.28340730	-107.77058532	
5,600.00	53.71	311.34	5,207.99	249.02	-1,599.80	1,922,491.30	2,741,555.86	36.28347804	-107.77068451	
5,634.52	57.16	311.34	5,227.57	267.80	-1,621.14	1,922,510.07	2,741,534.51	36.28352966	-107.77075688	
MNCS_G										
5,650.00	58.71	311.34	5,235.78	276.46	-1,630.99	1,922,518.74	2,741,524.67	36.28355347	-107.77079027	
5,700.00	63.71	311.34	5,259.86	305.39	-1,663.88	1,922,547.67	2,741,491.78	36.28363302	-107.77090180	
5,718.83	65.59	311.34	5,267.92	316.63	-1,676.65	1,922,558.91	2,741,479.01	36.28366391	-107.77094511	
MNCS_H										
5,750.00	68.71	311.34	5,280.02	335.60	-1,698.22	1,922,577.88	2,741,457.44	36.28371607	-107.77101824	
5,762.91	70.00	311.34	5,284.57	343.58	-1,707.29	1,922,585.86	2,741,448.37	36.28373801	-107.77104901	
POE @ 5762.91 MD 5284.57 TVD										
5,800.00	73.71	311.34	5,296.12	366.86	-1,733.75	1,922,609.14	2,741,421.91	36.28380199	-107.77113872	
5,808.00	74.51	311.34	5,298.31	371.94	-1,739.52	1,922,614.22	2,741,416.14	36.28381596	-107.77115830	
MNCS_I										
5,850.00	78.71	311.34	5,308.04	398.92	-1,770.19	1,922,641.20	2,741,385.47	36.28389014	-107.77126231	
5,900.00	83.71	311.34	5,315.68	431.55	-1,807.28	1,922,673.83	2,741,348.38	36.28397984	-107.77138808	
5,950.00	88.71	311.34	5,318.98	464.50	-1,844.72	1,922,706.77	2,741,310.94	36.28407040	-107.77151506	
5,960.18	89.73	311.34	5,319.12	471.22	-1,852.36	1,922,713.50	2,741,303.29	36.28408888	-107.77154097	
Begin 89.73° lateral										
6,000.00	89.73	311.34	5,319.31	497.53	-1,882.26	1,922,739.80	2,741,273.40	36.28416120	-107.77164235	
6,100.00	89.73	311.34	5,319.79	563.58	-1,957.34	1,922,805.86	2,741,198.32	36.28434279	-107.77189694	
6,200.00	89.73	311.34	5,320.27	629.64	-2,032.41	1,922,871.91	2,741,123.24	36.28452437	-107.77215154	
6,300.00	89.73	311.34	5,320.74	695.69	-2,107.49	1,922,937.97	2,741,048.17	36.28470596	-107.77240613	
6,400.00	89.73	311.34	5,321.22	761.75	-2,182.57	1,923,004.02	2,740,973.09	36.28488755	-107.77266073	
6,500.00	89.73	311.34	5,321.70	827.80	-2,257.64	1,923,070.08	2,740,898.02	36.28506913	-107.77291533	
6,600.00	89.73	311.34	5,322.17	893.86	-2,332.72	1,923,136.13	2,740,822.94	36.28525072	-107.77316993	
6,700.00	89.73	311.34	5,322.65	959.91	-2,407.80	1,923,202.19	2,740,747.86	36.28543230	-107.77342453	
6,800.00	89.73	311.34	5,323.13	1,025.97	-2,482.87	1,923,268.24	2,740,672.79	36.28561389	-107.77367913	
6,900.00	89.73	311.34	5,323.61	1,092.02	-2,557.95	1,923,334.30	2,740,597.71	36.28579547	-107.77393374	
7,000.00	89.73	311.34	5,324.08	1,158.08	-2,633.03	1,923,400.35	2,740,522.63	36.28597706	-107.77418834	
7,100.00	89.73	311.34	5,324.56	1,224.13	-2,708.10	1,923,466.41	2,740,447.56	36.28615864	-107.77444295	
7,200.00	89.73	311.34	5,325.04	1,290.19	-2,783.18	1,923,532.46	2,740,372.48	36.28634022	-107.77469755	
7,300.00	89.73	311.34	5,325.51	1,356.24	-2,858.26	1,923,598.52	2,740,297.40	36.28652180	-107.77495216	
7,400.00	89.73	311.34	5,325.99	1,422.30	-2,933.33	1,923,664.57	2,740,222.33	36.28670338	-107.77520676	
7,500.00	89.73	311.34	5,326.47	1,488.35	-3,008.41	1,923,730.63	2,740,147.25	36.28688496	-107.77546137	
7,600.00	89.73	311.34	5,326.94	1,554.41	-3,083.49	1,923,796.68	2,740,072.17	36.28706654	-107.77571598	
7,700.00	89.73	311.34	5,327.42	1,620.46	-3,158.56	1,923,862.74	2,739,997.10	36.28724812	-107.77597059	
7,800.00	89.73	311.34	5,327.90	1,686.52	-3,233.64	1,923,928.79	2,739,922.02	36.28742970	-107.77622521	
7,900.00	89.73	311.34	5,328.38	1,752.57	-3,308.72	1,923,994.85	2,739,846.94	36.28761128	-107.77647982	
8,000.00	89.73	311.34	5,328.85	1,818.63	-3,383.79	1,924,060.90	2,739,771.87	36.28779286	-107.77673444	
8,100.00	89.73	311.34	5,329.33	1,884.68	-3,458.87	1,924,126.96	2,739,696.79	36.28797444	-107.77698905	
8,200.00	89.73	311.34	5,329.81	1,950.74	-3,533.95	1,924,193.01	2,739,621.72	36.28815601	-107.77724367	
8,300.00	89.73	311.34	5,330.28	2,016.79	-3,609.02	1,924,259.06	2,739,546.64	36.28833759	-107.77749829	
8,400.00	89.73	311.34	5,330.76	2,082.85	-3,684.10	1,924,325.12	2,739,471.56	36.28851916	-107.77775291	
8,500.00	89.73	311.34	5,331.24	2,148.90	-3,759.18	1,924,391.17	2,739,396.49	36.28870074	-107.77800754	
8,600.00	89.73	311.34	5,331.72	2,214.96	-3,834.25	1,924,457.23	2,739,321.41	36.28888231	-107.77826216	
8,700.00	89.73	311.34	5,332.19	2,281.01	-3,909.33	1,924,523.28	2,739,246.33	36.28906389	-107.77851678	
8,800.00	89.73	311.34	5,332.67	2,347.07	-3,984.41	1,924,589.34	2,739,171.26	36.28924546	-107.77877141	
8,900.00	89.73	311.34	5,333.15	2,413.12	-4,059.48	1,924,655.39	2,739,096.18	36.28942703	-107.77902603	
9,000.00	89.73	311.34	5,333.62	2,479.18	-4,134.56	1,924,721.45	2,739,021.10	36.28960861	-107.77928066	
9,100.00	89.73	311.34	5,334.10	2,545.23	-4,209.64	1,924,787.50	2,738,946.03	36.28979018	-107.77953529	
9,200.00	89.73	311.34	5,334.58	2,611.29	-4,284.71	1,924,853.56	2,738,870.95	36.28997175	-107.77978992	
9,300.00	89.73	311.34	5,335.06	2,677.34	-4,359.79	1,924,919.61	2,738,795.87	36.29015332	-107.78004455	
9,400.00	89.73	311.34	5,335.53	2,743.40	-4,434.87	1,924,985.67	2,738,720.80	36.29033489	-107.78029919	



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
9,500.00	89.73	311.34	5,336.01	2,809.45	-4,509.94	1,925,051.72	2,738,645.72	36.29051646	-107.78055382	
9,600.00	89.73	311.34	5,336.49	2,875.51	-4,585.02	1,925,117.78	2,738,570.64	36.29069803	-107.78080845	
9,700.00	89.73	311.34	5,336.96	2,941.56	-4,660.10	1,925,183.83	2,738,495.57	36.29087960	-107.78106309	
9,800.00	89.73	311.34	5,337.44	3,007.62	-4,735.17	1,925,249.89	2,738,420.49	36.29106117	-107.78131777	
9,900.00	89.73	311.34	5,337.92	3,073.67	-4,810.25	1,925,315.94	2,738,345.42	36.29124273	-107.78157237	
10,000.00	89.73	311.34	5,338.39	3,139.73	-4,885.32	1,925,382.00	2,738,270.34	36.29142430	-107.78182701	
10,100.00	89.73	311.34	5,338.87	3,205.78	-4,960.40	1,925,448.05	2,738,195.26	36.29160587	-107.78208165	
10,200.00	89.73	311.34	5,339.35	3,271.84	-5,035.48	1,925,514.11	2,738,120.19	36.29178743	-107.78233629	
10,300.00	89.73	311.34	5,339.83	3,337.89	-5,110.55	1,925,580.16	2,738,045.11	36.29196900	-107.78259093	
10,400.00	89.73	311.34	5,340.30	3,403.95	-5,185.63	1,925,646.22	2,737,970.03	36.29215056	-107.78284558	
10,500.00	89.73	311.34	5,340.78	3,470.00	-5,260.71	1,925,712.27	2,737,894.96	36.29233213	-107.78310022	
10,600.00	89.73	311.34	5,341.26	3,536.06	-5,335.78	1,925,778.33	2,737,819.88	36.29251369	-107.78335487	
10,700.00	89.73	311.34	5,341.73	3,602.11	-5,410.86	1,925,844.38	2,737,744.80	36.29269525	-107.78360952	
10,800.00	89.73	311.34	5,342.21	3,668.17	-5,485.94	1,925,910.44	2,737,669.73	36.29287682	-107.78386417	
10,900.00	89.73	311.34	5,342.69	3,734.23	-5,561.01	1,925,976.49	2,737,594.65	36.29305838	-107.78411882	
11,000.00	89.73	311.34	5,343.17	3,800.28	-5,636.09	1,926,042.55	2,737,519.57	36.29323994	-107.78437347	
11,100.00	89.73	311.34	5,343.64	3,866.34	-5,711.17	1,926,108.60	2,737,444.50	36.29342150	-107.78462812	
11,200.00	89.73	311.34	5,344.12	3,932.39	-5,786.24	1,926,174.66	2,737,369.42	36.29360306	-107.78488277	
11,300.00	89.73	311.34	5,344.60	3,998.45	-5,861.32	1,926,240.71	2,737,294.35	36.29378462	-107.78513743	
11,400.00	89.73	311.34	5,345.07	4,064.50	-5,936.40	1,926,306.77	2,737,219.27	36.29396618	-107.78539209	
11,500.00	89.73	311.34	5,345.55	4,130.56	-6,011.47	1,926,372.82	2,737,144.19	36.29414774	-107.78564674	
11,600.00	89.73	311.34	5,346.03	4,196.61	-6,086.55	1,926,438.88	2,737,069.12	36.29432930	-107.78590140	
11,700.00	89.73	311.34	5,346.51	4,262.67	-6,161.63	1,926,504.93	2,736,994.04	36.29451086	-107.78615606	
11,800.00	89.73	311.34	5,346.98	4,328.72	-6,236.70	1,926,570.99	2,736,918.96	36.29469241	-107.78641072	
11,900.00	89.73	311.34	5,347.46	4,394.78	-6,311.78	1,926,637.04	2,736,843.89	36.29487397	-107.78666538	
12,000.00	89.73	311.34	5,347.94	4,460.83	-6,386.86	1,926,703.10	2,736,768.81	36.29505552	-107.78692005	
12,100.00	89.73	311.34	5,348.41	4,526.89	-6,461.93	1,926,769.15	2,736,693.73	36.29523708	-107.78717471	
12,200.00	89.73	311.34	5,348.89	4,592.94	-6,537.01	1,926,835.21	2,736,618.66	36.29541864	-107.78742938	
12,300.00	89.73	311.34	5,349.37	4,659.00	-6,612.09	1,926,901.26	2,736,543.58	36.29560019	-107.78768404	
12,400.00	89.73	311.34	5,349.85	4,725.05	-6,687.16	1,926,967.32	2,736,468.50	36.29578174	-107.78793871	
12,500.00	89.73	311.34	5,350.32	4,791.11	-6,762.24	1,927,033.37	2,736,393.43	36.29596330	-107.78819338	
12,600.00	89.73	311.34	5,350.80	4,857.16	-6,837.32	1,927,099.43	2,736,318.35	36.29614485	-107.78844805	
12,700.00	89.73	311.34	5,351.28	4,923.22	-6,912.39	1,927,165.48	2,736,243.27	36.29632640	-107.78870272	
12,800.00	89.73	311.34	5,351.75	4,989.27	-6,987.47	1,927,231.54	2,736,168.20	36.29650795	-107.78895740	
12,900.00	89.73	311.34	5,352.23	5,055.33	-7,062.55	1,927,297.59	2,736,093.12	36.29668950	-107.78921207	
13,000.00	89.73	311.34	5,352.71	5,121.38	-7,137.62	1,927,363.65	2,736,018.05	36.29687105	-107.78946675	
13,100.00	89.73	311.34	5,353.18	5,187.44	-7,212.70	1,927,429.70	2,735,942.97	36.29705260	-107.78972142	
13,200.00	89.73	311.34	5,353.66	5,253.49	-7,287.78	1,927,495.76	2,735,867.89	36.29723415	-107.78997610	
13,300.00	89.73	311.34	5,354.14	5,319.55	-7,362.85	1,927,561.81	2,735,792.82	36.29741570	-107.79023078	
13,400.00	89.73	311.34	5,354.62	5,385.60	-7,437.93	1,927,627.87	2,735,717.74	36.29759725	-107.79048546	
13,500.00	89.73	311.34	5,355.09	5,451.66	-7,513.01	1,927,693.92	2,735,642.66	36.29777880	-107.79074014	
13,600.00	89.73	311.34	5,355.57	5,517.71	-7,588.08	1,927,759.98	2,735,567.59	36.29796035	-107.79099482	
13,700.00	89.73	311.34	5,356.05	5,583.77	-7,663.16	1,927,826.03	2,735,492.51	36.29814189	-107.79124950	
13,800.00	89.73	311.34	5,356.52	5,649.82	-7,738.24	1,927,892.09	2,735,417.43	36.29832344	-107.79150419	
13,900.00	89.73	311.34	5,357.00	5,715.88	-7,813.31	1,927,958.14	2,735,342.36	36.29850498	-107.79175887	
14,000.00	89.73	311.34	5,357.48	5,781.93	-7,888.39	1,928,024.20	2,735,267.28	36.29868653	-107.79201356	
14,109.32	89.73	311.34	5,358.00	5,854.15	-7,970.47	1,928,096.41	2,735,185.20	36.29888500	-107.79229200	
PBHL @ 14109.32 MD 5358.00 TVD										



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Nageezi 214H vert - plan hits target center - Point	0.00	0.00	4,646.17	94.57	-1,424.24	1,922,336.85	2,741,731.42	36.28305344	-107.77008917
Nageezi 214H PPP/POE - plan hits target center - Point	0.00	0.00	5,284.57	343.58	-1,707.29	1,922,585.86	2,741,448.37	36.28373800	-107.77104900
Nageezi 214H 0 VS - plan misses target center by 1222.94ft at 5250.00ft MD (4929.95 TVD, 114.57 N, -1446.97 E) - Point	0.00	0.01	5,311.00	-653.05	-574.53	1,921,589.23	2,742,581.13	36.28099813	-107.76720787
Nageezi 214H BHL 2382 - plan hits target center - Point	0.00	0.00	5,358.00	5,854.15	-7,970.47	1,928,096.41	2,735,185.20	36.29888500	-107.79229200
								9-5/8	12-1/4

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
831.00	831.00	Ojo Alamo		0.27	311.34	
956.00	956.00	Kirtland		0.27	311.34	
1,246.75	1,246.06	Fruitland		0.27	311.34	
1,601.23	1,591.35	Pictured Cliffs		0.27	311.34	
1,718.31	1,701.50	Lewis		0.27	311.34	
2,052.59	2,002.04	Chacra_A		0.27	311.34	
3,288.18	3,094.20	Cliff House_Basal		0.27	311.34	
3,322.18	3,124.26	Menefee		0.27	311.34	
4,368.17	4,060.99	Point Lookout		0.27	311.34	
4,573.23	4,259.19	Mancos		0.27	311.34	
4,928.07	4,611.33	MNCS_A		0.27	311.34	
5,013.08	4,696.33	MNCS_B		0.27	311.34	
5,118.17	4,801.35	MNCS_C		0.27	311.34	
5,163.63	4,846.38	MNCS_Cms		0.27	311.34	
5,289.11	4,966.54	MNCS_D		0.27	311.34	
5,415.39	5,076.83	MNCS_E		0.27	311.34	
5,509.81	5,149.11	MNCS_F		0.27	311.34	
5,634.52	5,227.57	MNCS_G		0.27	311.34	
5,718.83	5,267.92	MNCS_H		0.27	311.34	
5,808.00	5,298.31	MNCS_I		0.27	311.34	



Planning Report - Geographic

Database:	DT_Jan1924v17	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	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)		
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build	
1,929.36	1,893.12	14.69	-221.21	Begin 27.88° tangent	
4,033.55	3,753.05	79.88	-1,203.03	Begin 3°/100' drop	
4,962.91	4,646.17	94.57	-1,424.24	Begin vertical hold	
5,062.91	4,746.17	94.57	-1,424.24	Begin 10°/100' build	
5,762.91	5,284.57	343.58	-1,707.29	POE @ 5762.91 MD 5284.57 TVD	
5,960.18	5,319.12	471.22	-1,852.36	Begin 89.73° lateral	
14,109.32	5,358.00	5,854.15	-7,970.47	PBHL @ 14109.32 MD 5358.00 TVD	



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	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 1,610.93ft	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	14,109.32	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 (213, 214, 215, 216, 217 & 218)						
Nageezi Unit 213H - Original Hole - rev0	1,220.10	1,219.64	38.05	29.50	4.451	CC, ES
Nageezi Unit 213H - Original Hole - rev0	1,300.00	1,298.28	40.19	31.07	4.411	SF
Nageezi Unit 215H - Original Hole - rev0	1,000.00	1,000.00	60.14	53.15	8.604	CC
Nageezi Unit 215H - Original Hole - rev0	1,100.00	1,098.22	60.80	53.12	7.916	ES
Nageezi Unit 215H - Original Hole - rev0	1,400.00	1,392.57	70.85	61.07	7.248	SF
Nageezi Unit 216H - Original Hole - rev0	1,000.00	1,000.00	19.97	12.98	2.857	CC
Nageezi Unit 216H - Original Hole - rev0	1,100.00	1,099.54	20.33	12.64	2.644	ES
Nageezi Unit 216H - Original Hole - rev0	1,300.00	1,298.59	23.17	14.09	2.552	SF
Nageezi Unit 217H - Original Hole - rev0	1,347.07	1,345.16	94.78	85.31	10.011	CC, ES
Nageezi Unit 217H - Original Hole - rev0	1,500.00	1,494.31	100.57	89.96	9.482	SF
Nageezi Unit 218H - Original Hole - rev0	815.92	817.38	75.67	69.99	13.322	CC, ES
Nageezi Unit 218H - Original Hole - rev0	1,000.00	995.56	85.10	78.06	12.100	SF

Offset Design:	Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 213H - Original Hole - rev0											Offset Site Error:	0.00 ft
Survey Program:	0-MWD											Offset Well Error:	0.00 ft
Reference Measured Depth (ft)	Vertical Depth (ft)	Offset 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
0.00	0.00	0.00	0.00	0.00	0.00	-158.00	-37.14	-15.01	40.06				
100.00	100.00	100.00	100.00	0.27	0.27	-158.00	-37.14	-15.01	40.06	39.52	0.54	74.497	
200.00	200.00	200.00	200.00	0.63	0.63	-158.00	-37.14	-15.01	40.06	38.80	1.25	31.927	
300.00	300.00	300.00	300.00	0.99	0.99	-158.00	-37.14	-15.01	40.06	38.09	1.97	20.317	
400.00	400.00	400.00	400.00	1.34	1.34	-158.00	-37.14	-15.01	40.06	37.37	2.69	14.899	
500.00	500.00	500.00	500.00	1.70	1.70	-158.00	-37.14	-15.01	40.06	36.65	3.41	11.763	
600.00	600.00	600.00	600.00	2.06	2.06	-158.00	-37.14	-15.01	40.06	35.94	4.12	9.717	
700.00	700.00	700.00	700.00	2.42	2.42	-158.00	-37.14	-15.01	40.06	35.22	4.84	8.277	
800.00	800.00	800.00	800.00	2.78	2.78	-158.00	-37.14	-15.01	40.06	34.50	5.56	7.209	
900.00	900.00	900.00	900.00	3.14	3.14	-158.00	-37.14	-15.01	40.06	33.78	6.27	6.385	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-158.00	-37.14	-15.01	40.06	33.07	6.99	5.731	
1,100.00	1,099.95	1,099.95	1,099.95	3.85	3.85	-75.44	-37.14	-15.01	39.32	31.62	7.70	5.107	
1,200.00	1,199.63	1,199.63	1,199.63	4.20	4.21	-86.93	-37.14	-15.01	38.11	29.70	8.41	4.534	
1,220.10	1,219.61	1,219.64	1,219.64	4.27	4.28	-90.39	-37.14	-14.90	38.05	29.50	8.55	4.451	CC, ES
1,300.00	1,298.77	1,298.28	1,298.24	4.56	4.56	-109.33	-37.09	-12.48	40.19	31.07	9.11	4.411	SF
1,400.00	1,397.08	1,393.78	1,393.45	4.94	4.89	-135.14	-36.96	-5.18	54.04	44.25	9.79	5.521	

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 214H
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 214H	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
Rule Assigned:												Warning	
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	
1,500.00	1,494.31	1,484.79	1,483.74	5.35	5.21	-152.09	-36.75	6.19	82.80	72.39	10.41	7.957	
1,600.00	1,590.18	1,570.26	1,567.95	5.80	5.53	-161.40	-36.47	20.77	123.77	112.80	10.97	11.280	
1,700.00	1,684.43	1,649.41	1,645.27	6.31	5.84	-166.66	-36.16	37.62	174.58	163.09	11.49	15.191	
1,800.00	1,776.81	1,726.94	1,720.44	6.89	6.16	-170.02	-35.81	56.61	233.16	221.12	12.04	19.365	
1,900.00	1,867.06	1,803.75	1,794.85	7.55	6.49	-172.21	-35.45	75.64	296.51	283.89	12.63	23.481	
2,000.00	1,955.55	1,877.99	1,866.78	8.29	6.82	-173.88	-35.11	94.03	363.07	349.87	13.20	27.505	
2,100.00	2,043.95	1,952.09	1,938.57	9.07	7.15	-175.11	-34.77	112.38	429.93	416.16	13.76	31.234	
2,200.00	2,132.34	2,026.18	2,010.35	9.88	7.50	-176.01	-34.42	130.73	496.87	482.53	14.34	34.653	
2,300.00	2,220.73	2,100.28	2,082.14	10.71	7.85	-176.70	-34.08	149.08	563.86	548.94	14.92	37.791	
2,400.00	2,309.12	2,174.37	2,153.92	11.57	8.20	-177.24	-33.74	167.43	630.89	615.38	15.51	40.676	
2,500.00	2,397.52	2,248.46	2,225.71	12.43	8.56	-177.67	-33.40	185.79	697.94	681.83	16.11	43.335	
2,600.00	2,485.91	2,322.56	2,297.49	13.31	8.93	-178.03	-33.05	204.14	765.01	748.30	16.71	45.789	
2,700.00	2,574.30	2,396.65	2,369.28	14.20	9.29	-178.34	-32.71	222.49	832.09	814.78	17.31	48.061	
2,800.00	2,662.69	2,470.74	2,441.06	15.10	9.67	-178.60	-32.37	240.84	899.19	881.26	17.92	50.166	
2,900.00	2,751.08	2,544.84	2,512.84	16.00	10.04	-178.82	-32.03	259.20	966.29	947.75	18.54	52.121	
3,000.00	2,839.48	2,618.93	2,584.63	16.91	10.42	-179.01	-31.68	277.55	1,033.40	1,014.24	19.16	53.940	
3,100.00	2,927.87	2,693.03	2,656.41	17.82	10.79	-179.18	-31.34	295.90	1,100.52	1,080.74	19.78	55.636	
3,200.00	3,016.26	2,767.12	2,728.20	18.74	11.18	-179.33	-31.00	314.25	1,167.64	1,147.23	20.41	57.220	
3,300.00	3,104.65	2,841.21	2,799.98	19.66	11.56	-179.46	-30.66	332.60	1,234.76	1,213.73	21.03	58.701	
3,400.00	3,193.05	2,915.31	2,871.77	20.59	11.94	-179.58	-30.32	350.96	1,301.89	1,280.23	21.67	60.090	
3,500.00	3,281.44	2,989.40	2,943.55	21.51	12.33	-179.69	-29.97	369.31	1,369.02	1,346.72	22.30	61.393	
3,600.00	3,369.83	3,063.50	3,015.33	22.44	12.72	-179.79	-29.63	387.66	1,436.16	1,413.22	22.94	62.617	
3,700.00	3,458.22	3,137.59	3,087.12	23.37	13.11	-179.88	-29.29	406.01	1,503.29	1,479.72	23.57	63.770	
3,800.00	3,546.61	3,211.68	3,158.90	24.30	13.50	-179.96	-28.95	424.37	1,570.43	1,546.22	24.21	64.858	
4,900.00	4,583.27	6,829.63	5,340.71	31.37	39.52	130.16	1,103.68	-475.86	1,577.86	1,518.74	59.12	26.689	
5,000.00	4,683.26	6,830.94	5,340.72	31.57	39.55	43.17	1,104.58	-476.82	1,532.96	1,472.10	60.86	25.189	
5,100.00	4,783.23	6,832.65	5,340.73	31.77	39.58	93.29	1,105.75	-478.07	1,492.86	1,430.34	62.52	23.879	
5,200.00	4,881.95	6,848.28	5,340.81	32.12	39.89	96.21	1,116.41	-489.49	1,459.31	1,394.86	64.45	22.642	
5,300.00	4,976.55	6,880.78	5,340.97	32.66	40.53	97.63	1,138.59	-513.25	1,433.34	1,366.61	66.73	21.480	
5,400.00	5,064.15	6,929.18	5,341.22	33.41	41.50	97.76	1,171.62	-548.63	1,415.05	1,345.72	69.33	20.410	
5,500.00	5,142.08	6,992.01	5,341.54	34.38	42.77	96.90	1,214.49	-594.56	1,403.74	1,331.50	72.24	19.431	
5,600.00	5,207.99	7,067.36	5,341.93	35.57	44.30	95.45	1,265.90	-649.64	1,398.14	1,322.69	75.45	18.531	
5,698.09	5,259.01	7,151.22	5,342.36	36.92	46.03	93.82	1,323.12	-710.94	1,396.66	1,317.80	78.86	17.711	
5,700.00	5,259.86	7,152.93	5,342.37	36.94	46.06	93.79	1,324.29	-712.19	1,396.66	1,317.73	78.93	17.695	
5,800.00	5,296.12	7,246.13	5,342.84	38.48	48.00	92.32	1,387.89	-780.32	1,397.75	1,315.10	82.65	16.912	
5,900.00	5,315.68	7,344.13	5,343.35	40.14	50.06	91.31	1,454.76	-851.96	1,400.12	1,313.58	86.54	16.179	
6,000.00	5,319.31	7,443.97	5,343.86	41.84	52.17	91.01	1,522.89	-924.95	1,403.01	1,312.49	90.51	15.501	
6,100.00	5,319.79	7,543.93	5,344.37	43.60	54.31	91.01	1,591.10	-998.01	1,405.95	1,311.40	94.54	14.871	
6,200.00	5,320.27	7,643.89	5,344.88	45.41	56.46	91.01	1,659.30	-1,071.08	1,408.89	1,310.26	98.64	14.284	
6,300.00	5,320.74	7,743.84	5,345.39	47.28	58.62	91.01	1,727.51	-1,144.15	1,411.84	1,309.05	102.78	13.736	
6,400.00	5,321.22	7,843.80	5,345.91	49.18	60.79	91.01	1,795.72	-1,217.22	1,414.78	1,307.81	106.97	13.226	
6,500.00	5,321.70	7,943.76	5,346.42	51.12	62.97	91.01	1,863.92	-1,290.29	1,417.72	1,306.52	111.20	12.749	
6,600.00	5,322.17	8,043.71	5,346.93	53.09	65.17	91.01	1,932.13	-1,363.35	1,420.67	1,305.20	115.46	12.304	
6,700.00	5,322.65	8,143.67	5,347.44	55.09	67.37	91.01	2,000.34	-1,436.42	1,423.61	1,303.85	119.76	11.887	
6,800.00	5,323.13	8,243.63	5,347.96	57.12	69.58	91.01	2,068.54	-1,509.49	1,426.55	1,302.47	124.08	11.497	
6,900.00	5,323.61	8,343.58	5,348.47	59.17	71.79	91.01	2,136.75	-1,582.56	1,429.50	1,301.07	128.43	11.131	
7,000.00	5,324.08	8,443.54	5,348.98	61.25	74.02	91.00	2,204.96	-1,655.63	1,432.44	1,299.64	132.80	10.786	
7,100.00	5,324.56	8,543.50	5,349.49	63.34	76.24	91.00	2,273.16	-1,728.69	1,435.38	1,298.19	137.19	10.463	
7,200.00	5,325.04	8,643.45	5,350.00	65.45	78.48	91.00	2,341.37	-1,801.76	1,438.33	1,296.73	141.60	10.158	
7,300.00	5,325.51	8,743.41	5,350.52	67.58	80.72	91.00	2,409.57	-1,874.83	1,441.27	1,295.25	146.02	9.870	
7,400.00	5,325.99	8,843.37	5,351.03	69.72	82.96	91.00	2,477.78	-1,947.90	1,444.21	1,293.75	150.46	9.598	
7,500.00	5,326.47	8,943.32	5,351.54	71.87	85.21	91.00	2,545.99	-2,020.97	1,447.16	1,292.24	154.92	9.342	

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 214H
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 214H	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						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)						
7,600.00	5,326.94	9,043.28	5,352.05	74.04	87.46	91.00	2,614.19	-2,094.03	1,450.10	1,290.72	159.38	9.098					
7,700.00	5,327.42	9,143.24	5,352.56	76.21	89.71	91.00	2,682.40	-2,167.10	1,453.04	1,289.19	163.86	8.868					
7,800.00	5,327.90	9,243.19	5,353.08	78.40	91.97	91.00	2,750.61	-2,240.17	1,455.99	1,287.64	168.34	8.649					
7,900.00	5,328.38	9,343.15	5,353.59	80.59	94.23	91.00	2,818.81	-2,313.24	1,458.93	1,286.09	172.84	8.441					
8,000.00	5,328.85	9,443.11	5,354.10	82.80	96.49	91.00	2,887.02	-2,386.31	1,461.88	1,284.53	177.35	8.243					
8,100.00	5,329.33	9,543.06	5,354.61	85.01	98.76	91.00	2,955.23	-2,459.37	1,464.82	1,282.96	181.86	8.055					
8,200.00	5,329.81	9,643.02	5,355.13	87.23	101.03	91.00	3,023.43	-2,532.44	1,467.76	1,281.38	186.38	7.875					
8,300.00	5,330.28	9,742.98	5,355.64	89.45	103.30	91.00	3,091.64	-2,605.51	1,470.71	1,279.80	190.91	7.704					
8,400.00	5,330.76	9,842.93	5,356.15	91.68	105.57	91.00	3,159.85	-2,678.58	1,473.65	1,278.21	195.44	7.540					
8,500.00	5,331.24	9,942.89	5,356.66	93.92	107.85	91.00	3,228.05	-2,751.65	1,476.59	1,276.61	199.98	7.384					
8,600.00	5,331.72	10,042.85	5,357.17	96.16	110.12	90.99	3,296.26	-2,824.71	1,479.54	1,275.01	204.53	7.234					
8,700.00	5,332.19	10,142.80	5,357.69	98.40	112.40	90.99	3,364.47	-2,897.78	1,482.48	1,273.40	209.08	7.090					
8,800.00	5,332.67	10,242.76	5,358.20	100.65	114.68	90.99	3,432.67	-2,970.85	1,485.42	1,271.79	213.64	6.953					
8,900.00	5,333.15	10,342.72	5,358.71	102.91	116.96	90.99	3,500.88	-3,043.92	1,488.37	1,270.17	218.20	6.821					
9,000.00	5,333.62	10,442.67	5,359.22	105.17	119.25	90.99	3,569.09	-3,116.99	1,491.31	1,268.55	222.76	6.695					
9,100.00	5,334.10	10,542.63	5,359.73	107.43	121.53	90.99	3,637.29	-3,190.06	1,494.25	1,266.92	227.33	6.573					
9,200.00	5,334.58	10,642.59	5,360.25	109.70	123.82	90.99	3,705.50	-3,263.12	1,497.20	1,265.30	231.90	6.456					
9,300.00	5,335.06	10,742.54	5,360.76	111.97	126.11	90.99	3,773.71	-3,336.19	1,500.14	1,263.66	236.48	6.344					
9,400.00	5,335.53	10,842.50	5,361.27	114.24	128.40	90.99	3,841.91	-3,409.26	1,503.08	1,262.03	241.06	6.235					
9,500.00	5,336.01	10,942.46	5,361.78	116.51	130.69	90.99	3,910.12	-3,482.33	1,506.03	1,260.39	245.64	6.131					
9,600.00	5,336.49	11,042.41	5,362.29	118.79	132.98	90.99	3,978.33	-3,555.40	1,508.97	1,258.75	250.22	6.030					
9,700.00	5,336.96	11,142.37	5,362.81	121.07	135.27	90.99	4,046.53	-3,628.46	1,511.91	1,257.10	254.81	5.933					
9,800.00	5,337.44	11,242.33	5,363.32	123.35	137.56	90.99	4,114.74	-3,701.53	1,514.86	1,255.46	259.40	5.840					
9,900.00	5,337.92	11,342.28	5,363.83	125.64	139.85	90.99	4,182.95	-3,774.60	1,517.80	1,253.81	264.00	5.749					
10,000.00	5,338.39	11,442.24	5,364.34	127.92	142.15	90.99	4,251.15	-3,847.67	1,520.75	1,252.15	268.59	5.662					
10,100.00	5,338.87	11,542.20	5,364.86	130.21	144.44	90.99	4,319.36	-3,920.74	1,523.69	1,250.50	273.19	5.577					
10,200.00	5,339.35	11,642.15	5,365.37	132.50	146.74	90.99	4,387.56	-3,993.80	1,526.63	1,248.84	277.79	5.496					
10,300.00	5,339.83	11,742.11	5,365.88	134.80	149.04	90.98	4,455.77	-4,066.87	1,529.58	1,247.18	282.39	5.417					
10,400.00	5,340.30	11,842.07	5,366.39	137.09	151.34	90.98	4,523.98	-4,139.94	1,532.52	1,245.52	287.00	5.340					
10,500.00	5,340.78	11,942.02	5,366.90	139.39	153.63	90.98	4,592.18	-4,213.01	1,535.46	1,243.86	291.60	5.266					
10,600.00	5,341.26	12,041.98	5,367.42	141.69	155.93	90.98	4,660.39	-4,286.08	1,538.41	1,242.20	296.21	5.194					
10,700.00	5,341.73	12,141.94	5,367.93	143.98	158.23	90.98	4,728.60	-4,359.14	1,541.35	1,240.53	300.82	5.124					
10,800.00	5,342.21	12,241.89	5,368.44	146.29	160.53	90.98	4,796.80	-4,432.21	1,544.29	1,238.86	305.43	5.056					
10,900.00	5,342.69	12,341.85	5,368.95	148.59	162.83	90.98	4,865.01	-4,505.28	1,547.24	1,237.20	310.04	4.990					
11,000.00	5,343.17	12,441.81	5,369.46	150.89	165.13	90.98	4,933.22	-4,578.35	1,550.18	1,235.53	314.65	4.927					
11,100.00	5,343.64	12,541.76	5,369.98	153.19	167.44	90.98	5,001.42	-4,651.42	1,553.12	1,233.85	319.27	4.865					
11,200.00	5,344.12	12,641.72	5,370.49	155.50	169.74	90.98	5,069.63	-4,724.48	1,556.07	1,232.18	323.89	4.804					
11,300.00	5,344.60	12,741.68	5,371.00	157.81	172.04	90.98	5,137.84	-4,797.55	1,559.01	1,230.51	328.50	4.746					
11,400.00	5,345.07	12,841.63	5,371.51	160.11	174.34	90.98	5,206.04	-4,870.62	1,561.95	1,228.83	333.12	4.689					
11,500.00	5,345.55	12,941.59	5,372.03	162.42	176.65	90.98	5,274.25	-4,943.69	1,564.90	1,227.16	337.74	4.633					
11,600.00	5,346.03	13,041.55	5,372.54	164.73	178.95	90.98	5,342.46	-5,016.76	1,567.84	1,225.48	342.36	4.579					
11,700.00	5,346.51	13,141.50	5,373.05	167.04	181.26	90.98	5,410.66	-5,089.82	1,570.78	1,223.80	346.98	4.527					
11,800.00	5,346.98	13,241.46	5,373.56	169.36	183.56	90.98	5,478.87	-5,162.89	1,573.73	1,222.12	351.61	4.476					
11,900.00	5,347.46	13,327.07	5,374.00	171.67	185.84	90.98	5,537.28	-5,225.47	1,576.74	1,221.05	355.69	4.433					
12,000.00	5,347.94	13,327.07	5,374.00	173.98	185.84	90.98	5,537.28	-5,225.47	1,583.75	1,228.23	355.51	4.455					
12,100.00	5,348.41	13,327.07	5,374.00	176.29	185.84	90.98	5,537.28	-5,225.47	1,597.00	1,243.40	353.60	4.516					

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 214H
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 214H	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)	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	-157.87	-55.71	-22.65	60.14				
100.00	100.00	100.00	100.00	0.27	0.27	-157.87	-55.71	-22.65	60.14	59.60	0.54	111.849	
200.00	200.00	200.00	200.00	0.63	0.63	-157.87	-55.71	-22.65	60.14	58.89	1.25	47.935	
300.00	300.00	300.00	300.00	0.99	0.99	-157.87	-55.71	-22.65	60.14	58.17	1.97	30.504	
400.00	400.00	400.00	400.00	1.34	1.34	-157.87	-55.71	-22.65	60.14	57.45	2.69	22.370	
500.00	500.00	500.00	500.00	1.70	1.70	-157.87	-55.71	-22.65	60.14	56.74	3.41	17.660	
600.00	600.00	600.00	600.00	2.06	2.06	-157.87	-55.71	-22.65	60.14	56.02	4.12	14.589	
700.00	700.00	700.00	700.00	2.42	2.42	-157.87	-55.71	-22.65	60.14	55.30	4.84	12.428	
800.00	800.00	800.00	800.00	2.78	2.78	-157.87	-55.71	-22.65	60.14	54.59	5.56	10.824	
900.00	900.00	900.00	900.00	3.14	3.14	-157.87	-55.71	-22.65	60.14	53.87	6.27	9.587	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-157.87	-55.71	-22.65	60.14	53.15	6.99	8.604 CC	
1,100.00	1,099.95	1,098.22	1,098.17	3.85	3.84	-72.00	-56.28	-25.12	60.80	53.12	7.68	7.916 ES	
1,200.00	1,199.63	1,196.40	1,196.06	4.20	4.18	-72.97	-57.98	-32.49	62.78	54.42	8.36	7.512	
1,300.00	1,298.77	1,294.53	1,293.36	4.56	4.52	-74.43	-60.81	-44.74	66.12	57.07	9.05	7.306	
1,400.00	1,397.08	1,392.57	1,389.81	4.94	4.89	-76.23	-64.75	-61.83	70.85	61.07	9.77	7.248 SF	
1,500.00	1,494.31	1,490.50	1,485.13	5.35	5.29	-78.20	-69.80	-83.69	77.00	66.44	10.55	7.296	
1,600.00	1,590.18	1,588.30	1,579.04	5.80	5.73	-80.18	-75.93	-110.25	84.60	73.18	11.41	7.413	
1,700.00	1,684.43	1,685.93	1,671.28	6.31	6.22	-82.07	-83.12	-141.39	93.64	81.27	12.38	7.566	
1,800.00	1,776.81	1,783.39	1,761.61	6.89	6.77	-83.80	-91.34	-177.02	104.13	90.66	13.47	7.729	
1,900.00	1,867.06	1,880.65	1,849.77	7.55	7.39	-85.33	-100.57	-217.01	116.04	101.31	14.73	7.880	
2,000.00	1,955.55	1,979.23	1,937.55	8.29	8.09	-86.98	-110.67	-260.72	128.97	112.82	16.15	7.986	
2,100.00	2,043.95	2,078.31	2,025.71	9.07	8.83	-88.46	-120.84	-304.80	142.05	124.38	17.67	8.039	
2,200.00	2,132.34	2,177.40	2,113.86	9.88	9.60	-89.68	-131.01	-348.88	155.20	135.95	19.25	8.064	
2,300.00	2,220.73	2,276.48	2,202.01	10.71	10.39	-90.72	-141.19	-392.96	168.41	147.54	20.87	8.070	
2,400.00	2,309.12	2,375.56	2,290.16	11.57	11.21	-91.60	-151.36	-437.03	181.66	159.14	22.52	8.065	
2,500.00	2,397.52	2,474.64	2,378.31	12.43	12.03	-92.37	-161.54	-481.11	194.96	170.75	24.21	8.053	
2,600.00	2,485.91	2,573.72	2,466.47	13.31	12.87	-93.03	-171.71	-525.19	208.28	182.37	25.91	8.037	
2,700.00	2,574.30	2,672.80	2,554.62	14.20	13.71	-93.62	-181.89	-569.27	221.63	193.99	27.64	8.019	
2,800.00	2,662.69	2,771.88	2,642.77	15.10	14.57	-94.14	-192.06	-613.34	234.99	205.62	29.38	7.999	
2,900.00	2,751.08	2,870.96	2,730.92	16.00	15.43	-94.60	-202.23	-657.42	248.38	217.25	31.13	7.979	
3,000.00	2,839.48	2,970.05	2,819.07	16.91	16.29	-95.02	-212.41	-701.50	261.78	228.89	32.89	7.960	
3,100.00	2,927.87	3,069.13	2,907.23	17.82	17.16	-95.40	-222.58	-745.58	275.19	240.53	34.66	7.941	
3,200.00	3,016.26	3,168.21	2,995.38	18.74	18.04	-95.74	-232.76	-789.65	288.61	252.18	36.43	7.922	
3,300.00	3,104.65	3,267.29	3,083.53	19.66	18.91	-96.05	-242.93	-833.73	302.04	263.83	38.21	7.904	
3,400.00	3,193.05	3,366.37	3,171.68	20.59	19.79	-96.33	-253.11	-877.81	315.48	275.48	40.00	7.887	
3,500.00	3,281.44	3,465.45	3,259.83	21.51	20.68	-96.59	-263.28	-921.89	328.92	287.13	41.79	7.870	
3,600.00	3,369.83	3,564.53	3,347.99	22.44	21.56	-96.83	-273.46	-965.96	342.38	298.79	43.59	7.854	
3,700.00	3,458.22	3,663.62	3,436.14	23.37	22.45	-97.05	-283.63	-1,010.04	355.83	310.44	45.39	7.839	
3,800.00	3,546.61	3,762.70	3,524.29	24.30	23.34	-97.26	-293.80	-1,054.12	369.30	322.10	47.19	7.825	
3,900.00	3,635.01	3,861.78	3,612.44	25.24	24.23	-97.45	-303.98	-1,098.20	382.76	333.76	49.00	7.812	
4,000.00	3,723.40	3,960.86	3,700.59	26.17	25.12	-97.63	-314.15	-1,142.27	396.23	345.43	50.81	7.799	
4,100.00	3,812.32	4,059.96	3,788.76	27.09	26.01	-97.90	-324.33	-1,186.36	409.55	356.96	52.60	7.787	
4,200.00	3,903.39	4,159.03	3,876.90	27.92	26.91	-97.62	-334.50	-1,230.43	422.22	367.93	54.30	7.776	
4,300.00	3,996.49	4,257.80	3,964.78	28.66	27.80	-96.67	-344.64	-1,274.37	434.34	378.46	55.88	7.772	
4,400.00	4,091.37	4,356.00	4,052.15	29.32	28.69	-95.14	-354.73	-1,318.06	446.22	388.89	57.33	7.783	
4,500.00	4,187.78	4,453.37	4,138.78	29.89	29.57	-93.09	-364.73	-1,361.37	458.28	399.70	58.59	7.822	
4,600.00	4,285.44	4,549.63	4,224.42	30.37	30.44	-90.60	-374.61	-1,404.20	471.09	411.48	59.61	7.903	
4,700.00	4,384.09	4,644.53	4,308.85	30.78	31.30	-87.77	-384.36	-1,446.41	485.29	424.95	60.34	8.043	
4,800.00	4,483.46	4,737.80	4,391.83	31.11	32.15	-84.68	-393.93	-1,487.90	501.56	440.82	60.75	8.257	
4,900.00	4,583.27	4,829.18	4,473.13	31.37	32.98	-81.45	-403.32	-1,528.56	520.63	459.82	60.80	8.562	
5,000.00	4,683.26	4,918.59	4,552.68	31.57	33.79	-164.14	-412.50	-1,568.33	543.08	482.54	60.53	8.972	
5,100.00	4,783.23	5,007.86	4,632.10	31.77	34.60	-110.86	-421.67	-1,608.04	568.87	508.68	60.19	9.452	

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 214H
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 214H	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				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)			
5,200.00	4,881.95	5,099.72	4,713.83	32.12	35.44	-105.39	-431.10	-1,648.91	600.97	540.50	60.47	9.939	
5,300.00	4,976.55	5,192.41	4,796.29	32.66	36.28	-101.04	-440.62	-1,690.14	637.84	576.25	61.59	10.356	
5,400.00	5,064.15	5,283.11	4,876.99	33.41	37.10	-97.84	-449.93	-1,730.49	677.92	614.42	63.49	10.677	
5,500.00	5,142.08	5,375.92	4,959.33	34.38	37.97	-95.66	-459.06	-1,772.32	720.71	654.57	66.14	10.897	
5,600.00	5,207.99	5,493.23	5,056.67	35.57	39.25	-94.15	-460.97	-1,837.40	763.83	694.36	69.47	10.995	
5,700.00	5,259.86	5,625.00	5,150.66	36.94	41.01	-92.65	-446.89	-1,928.25	804.83	731.83	73.00	11.026	
5,800.00	5,296.12	5,774.52	5,231.68	38.48	43.31	-91.16	-411.09	-2,048.19	841.57	765.09	76.48	11.004	
5,900.00	5,315.68	5,891.11	5,272.39	40.14	45.27	-89.09	-370.79	-2,149.51	873.36	793.29	80.06	10.908	
6,000.00	5,319.31	5,978.95	5,288.17	41.84	46.83	-88.01	-337.96	-2,229.34	905.25	821.42	83.83	10.798	
6,100.00	5,319.79	6,070.26	5,291.16	43.60	48.50	-88.24	-303.28	-2,313.69	937.68	850.07	87.62	10.702	
6,200.00	5,320.27	6,164.82	5,290.78	45.41	50.27	-88.25	-267.31	-2,401.14	970.23	878.77	91.46	10.608	
6,300.00	5,320.74	6,259.37	5,290.41	47.28	52.09	-88.26	-231.35	-2,488.59	1,002.78	907.40	95.37	10.514	
6,400.00	5,321.22	6,353.93	5,290.03	49.18	53.95	-88.27	-195.39	-2,576.04	1,035.33	935.98	99.35	10.421	
6,500.00	5,321.70	6,448.48	5,289.65	51.12	55.85	-88.28	-159.43	-2,663.49	1,067.88	964.46	103.41	10.326	
6,600.00	5,322.17	6,543.04	5,289.28	53.09	57.79	-88.28	-123.47	-2,750.94	1,100.42	993.03	107.39	10.247	
6,700.00	5,322.65	6,637.59	5,288.90	55.09	59.76	-88.29	-87.51	-2,838.38	1,132.97	1,021.46	111.52	10.160	
6,800.00	5,323.13	6,732.15	5,288.52	57.12	61.75	-88.29	-51.54	-2,925.83	1,165.52	1,049.85	115.67	10.077	
6,900.00	5,323.61	6,826.70	5,288.14	59.17	63.78	-88.30	-15.58	-3,013.28	1,198.07	1,078.22	119.85	9.997	
7,000.00	5,324.08	6,921.26	5,287.77	61.25	65.83	-88.31	20.38	-3,100.73	1,230.62	1,106.56	124.06	9.920	
7,100.00	5,324.56	7,015.81	5,287.39	63.34	67.90	-88.31	56.34	-3,188.18	1,263.17	1,134.87	128.29	9.846	
7,200.00	5,325.04	7,110.37	5,287.01	65.45	69.99	-88.32	92.30	-3,275.63	1,295.71	1,163.16	132.55	9.775	
7,300.00	5,325.51	7,204.92	5,286.63	67.58	72.11	-88.32	128.26	-3,363.07	1,328.26	1,191.43	136.83	9.707	
7,400.00	5,325.99	7,299.48	5,286.26	69.72	74.23	-88.32	164.23	-3,450.52	1,360.81	1,219.68	141.13	9.642	
7,500.00	5,326.47	7,394.03	5,285.88	71.87	76.38	-88.33	200.19	-3,537.97	1,393.36	1,247.91	145.45	9.580	
7,600.00	5,326.94	7,488.59	5,285.50	74.04	78.53	-88.33	236.15	-3,625.42	1,425.91	1,276.13	149.78	9.520	
7,700.00	5,327.42	7,583.14	5,285.12	76.21	80.70	-88.34	272.11	-3,712.87	1,458.46	1,304.33	154.13	9.463	
7,800.00	5,327.90	7,677.69	5,284.75	78.40	82.89	-88.34	308.07	-3,800.32	1,491.00	1,332.51	158.49	9.407	
7,900.00	5,328.38	7,772.25	5,284.37	80.59	85.08	-88.34	344.03	-3,887.76	1,523.55	1,360.68	162.87	9.355	
8,000.00	5,328.85	7,866.80	5,283.99	82.80	87.28	-88.35	380.00	-3,975.21	1,556.10	1,388.85	167.25	9.304	
8,100.00	5,329.33	7,961.36	5,283.61	85.01	89.50	-88.35	415.96	-4,062.66	1,588.65	1,417.00	171.65	9.255	

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 214H
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 214H	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
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	-158.39	-18.57	-7.36	19.97				
100.00	100.00	100.00	100.00	0.27	0.27	-158.39	-18.57	-7.36	19.97	19.44	0.54	37.147	
200.00	200.00	200.00	200.00	0.63	0.63	-158.39	-18.57	-7.36	19.97	18.72	1.25	15.920	
300.00	300.00	300.00	300.00	0.99	0.99	-158.39	-18.57	-7.36	19.97	18.00	1.97	10.131	
400.00	400.00	400.00	400.00	1.34	1.34	-158.39	-18.57	-7.36	19.97	17.29	2.69	7.429	
500.00	500.00	500.00	500.00	1.70	1.70	-158.39	-18.57	-7.36	19.97	16.57	3.41	5.865	
600.00	600.00	600.00	600.00	2.06	2.06	-158.39	-18.57	-7.36	19.97	15.85	4.12	4.845	
700.00	700.00	700.00	700.00	2.42	2.42	-158.39	-18.57	-7.36	19.97	15.13	4.84	4.127	
800.00	800.00	800.00	800.00	2.78	2.78	-158.39	-18.57	-7.36	19.97	14.42	5.56	3.595	
900.00	900.00	900.00	900.00	3.14	3.14	-158.39	-18.57	-7.36	19.97	13.70	6.27	3.184	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-158.39	-18.57	-7.36	19.97	12.98	6.99	2.857 CC	
1,100.00	1,099.95	1,099.54	1,099.49	3.85	3.84	-72.62	-18.78	-9.94	20.33	12.64	7.69	2.644 ES	
1,200.00	1,199.63	1,199.07	1,198.71	4.20	4.19	-73.80	-19.41	-17.69	21.39	13.01	8.37	2.554	
1,300.00	1,298.77	1,298.59	1,297.37	4.56	4.55	-75.54	-20.45	-30.57	23.17	14.09	9.08	2.552 SF	
1,400.00	1,397.08	1,398.08	1,395.20	4.94	4.92	-77.54	-21.90	-48.56	25.69	15.86	9.82	2.615	
1,500.00	1,494.31	1,497.55	1,491.94	5.35	5.33	-79.58	-23.77	-71.59	28.95	18.32	10.63	2.724	
1,600.00	1,590.18	1,596.98	1,587.30	5.80	5.78	-81.51	-26.03	-99.60	32.96	21.45	11.52	2.862	
1,700.00	1,684.43	1,696.36	1,681.04	6.31	6.28	-83.23	-28.69	-132.50	37.72	25.20	12.52	3.013	
1,800.00	1,776.81	1,795.71	1,772.89	6.89	6.86	-84.71	-31.74	-170.20	43.20	29.55	13.66	3.163	
1,900.00	1,867.06	1,895.16	1,862.85	7.55	7.50	-86.25	-35.16	-212.43	49.35	34.39	14.96	3.299	
2,000.00	1,955.55	1,994.88	1,952.53	8.29	8.20	-90.32	-38.67	-255.90	55.66	39.22	16.44	3.385	
2,100.00	2,043.95	2,094.61	2,042.21	9.07	8.93	-93.80	-42.19	-299.37	62.20	44.23	17.97	3.461	
2,200.00	2,132.34	2,194.33	2,131.89	9.88	9.69	-96.61	-45.70	-342.84	68.93	49.39	19.54	3.528	
2,300.00	2,220.73	2,294.05	2,221.57	10.71	10.47	-98.92	-49.22	-386.31	75.80	54.67	21.12	3.588	
2,400.00	2,309.12	2,393.77	2,311.25	11.57	11.26	-100.84	-52.73	-429.78	82.77	60.04	22.73	3.642	
2,500.00	2,397.52	2,493.49	2,400.93	12.43	12.07	-102.46	-56.25	-473.25	89.81	65.47	24.34	3.690	
2,600.00	2,485.91	2,593.21	2,490.61	13.31	12.88	-103.84	-59.76	-516.72	96.92	70.96	25.96	3.733	
2,700.00	2,574.30	2,692.94	2,580.29	14.20	13.71	-105.04	-63.28	-560.19	104.08	76.49	27.59	3.772	
2,800.00	2,662.69	2,792.66	2,669.97	15.10	14.54	-106.08	-66.79	-603.66	111.27	82.05	29.22	3.808	
2,900.00	2,751.08	2,892.38	2,759.65	16.00	15.38	-107.00	-70.31	-647.13	118.50	87.64	30.86	3.840	
3,000.00	2,839.48	2,992.10	2,849.33	16.91	16.22	-107.80	-73.82	-690.60	125.76	93.26	32.50	3.869	
3,100.00	2,927.87	3,091.82	2,939.01	17.82	17.06	-108.53	-77.34	-734.07	133.03	98.89	34.15	3.896	
3,200.00	3,016.26	3,191.54	3,028.69	18.74	17.91	-109.17	-80.86	-777.53	140.33	104.54	35.79	3.921	
3,300.00	3,104.65	3,291.27	3,118.37	19.66	18.77	-109.75	-84.37	-821.00	147.64	110.20	37.44	3.943	
3,400.00	3,193.05	3,390.99	3,208.05	20.59	19.62	-110.28	-87.89	-864.47	154.97	115.87	39.09	3.964	
3,500.00	3,281.44	3,490.71	3,297.73	21.51	20.48	-110.76	-91.40	-907.94	162.30	121.56	40.74	3.984	
3,600.00	3,369.83	3,590.43	3,387.41	22.44	21.34	-111.20	-94.92	-951.41	169.65	127.25	42.40	4.002	
3,700.00	3,458.22	3,680.15	3,477.09	23.37	22.20	-111.60	-98.43	-994.88	177.01	132.96	44.05	4.018	
3,800.00	3,546.61	3,769.88	3,566.77	24.30	23.06	-111.97	-101.95	-1,038.35	184.37	138.67	45.71	4.034	
3,900.00	3,635.01	3,859.60	3,656.45	25.24	23.93	-112.31	-105.46	-1,081.82	191.74	144.38	47.36	4.048	
4,000.00	3,723.40	3,949.32	3,746.13	26.17	24.79	-112.63	-108.98	-1,125.29	199.12	150.10	49.02	4.062	
4,100.00	3,812.32	4,039.07	3,835.84	27.09	25.66	-112.75	-112.49	-1,168.77	206.06	155.34	50.72	4.063	
4,200.00	3,903.39	4,128.83	3,925.55	27.92	26.53	-111.65	-116.01	-1,212.26	211.13	158.54	52.60	4.014	
4,300.00	3,996.49	4,218.33	4,015.04	28.66	27.40	-109.26	-119.52	-1,255.63	214.53	159.91	54.62	3.928	
4,400.00	4,091.37	4,313.30	4,104.04	29.32	28.26	-105.64	-123.01	-1,298.77	216.86	160.17	56.69	3.825	
4,500.00	4,187.78	4,409.48	4,192.33	29.89	29.12	-100.84	-126.47	-1,341.57	219.05	160.41	58.64	3.736	
4,600.00	4,285.44	4,507.58	4,279.66	30.37	29.96	-94.98	-129.89	-1,383.90	222.34	162.16	60.19	3.694	
4,700.00	4,384.09	4,606.36	4,365.79	30.78	30.80	-88.28	-133.27	-1,425.64	228.21	167.20	61.01	3.741	
4,800.00	4,483.46	4,705.53	4,450.48	31.11	31.63	-81.07	-136.59	-1,466.69	238.22	177.35	60.86	3.914	
4,900.00	4,583.27	4,804.85	4,553.50	31.37	32.43	-73.78	-139.84	-1,506.94	253.78	194.04	59.74	4.248	
5,000.00	4,683.26	4,905.22	4,614.77	31.57	33.23	-152.80	-143.03	-1,546.33	275.77	217.83	57.94	4.760	
5,100.00	4,783.23	5,005.49	4,695.95	31.77	34.02	-96.61	-146.21	-1,585.68	302.90	246.68	56.22	5.388	

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 214H
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 214H	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								Rule Assigned:				Offset Well Error:		0.00 ft
Measured Depth	Vertical Reference	Measured Depth	Vertical Offset	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	(ft)					
5,200.00	4,881.95	5,138.87	4,779.92	32.12	34.84	-90.15	-149.50	-1,626.38	333.79	277.82	55.97	5.964				
5,300.00	4,976.55	5,233.67	4,865.19	32.66	35.67	-86.99	-152.84	-1,667.71	365.18	307.85	57.33	6.370				
5,400.00	5,064.15	5,327.93	4,949.89	33.41	36.50	-86.44	-156.04	-1,708.92	396.10	336.08	60.02	6.600				
5,500.00	5,142.08	5,429.11	5,036.73	34.38	37.53	-86.79	-151.82	-1,760.42	426.10	362.69	63.41	6.720				
5,600.00	5,207.99	5,536.64	5,119.69	35.57	38.83	-87.13	-134.27	-1,826.29	453.88	386.92	66.96	6.779				
5,700.00	5,259.86	5,651.48	5,194.46	36.94	40.42	-87.49	-101.38	-1,906.73	478.24	407.80	70.44	6.789				
5,800.00	5,296.12	5,774.04	5,255.23	38.48	42.30	-87.91	-51.62	-2,000.51	497.96	424.29	73.66	6.760				
5,900.00	5,315.68	5,878.66	5,289.32	40.14	44.01	-87.99	0.27	-2,084.55	513.41	436.13	77.27	6.644				
6,000.00	5,319.31	5,973.17	5,304.31	41.84	45.64	-88.40	49.67	-2,163.59	529.10	447.86	81.23	6.513				
6,100.00	5,319.79	6,070.73	5,306.00	43.60	47.37	-88.58	101.36	-2,246.28	545.27	460.14	85.13	6.405				
6,200.00	5,320.27	6,169.41	5,306.00	45.41	49.17	-88.57	153.66	-2,329.95	561.50	472.42	89.08	6.303				
6,300.00	5,320.74	6,268.08	5,306.00	47.28	51.02	-88.56	205.97	-2,413.62	577.72	484.61	93.11	6.205				
6,400.00	5,321.22	6,366.76	5,306.00	49.18	52.91	-88.56	258.27	-2,497.29	593.94	496.74	97.20	6.111				
6,500.00	5,321.70	6,465.43	5,306.00	51.12	54.84	-88.55	310.58	-2,580.97	610.17	508.82	101.35	6.021				
6,600.00	5,322.17	6,564.11	5,306.00	53.09	56.82	-88.55	362.88	-2,664.64	626.39	520.84	105.54	5.935				
6,700.00	5,322.65	6,662.79	5,306.00	55.09	58.82	-88.54	415.19	-2,748.31	642.61	532.82	109.79	5.853				
6,800.00	5,323.13	6,761.46	5,306.00	57.12	60.86	-88.54	467.49	-2,831.98	658.84	544.77	114.07	5.776				
6,900.00	5,323.61	6,860.14	5,306.00	59.17	62.92	-88.53	519.80	-2,915.65	675.06	556.67	118.39	5.702				
7,000.00	5,324.08	6,958.81	5,306.00	61.25	65.01	-88.53	572.10	-2,999.33	691.28	568.55	122.73	5.632				
7,100.00	5,324.56	7,057.49	5,306.00	63.34	67.11	-88.52	624.40	-3,083.00	707.51	580.40	127.11	5.566				
7,200.00	5,325.04	7,156.16	5,306.00	65.45	69.24	-88.52	676.71	-3,166.67	723.73	592.22	131.51	5.503				
7,300.00	5,325.51	7,254.84	5,306.00	67.58	71.39	-88.51	729.01	-3,250.34	739.95	604.02	135.93	5.444				
7,400.00	5,325.99	7,353.51	5,306.00	69.72	73.56	-88.51	781.32	-3,334.02	756.17	615.80	140.37	5.387				
7,500.00	5,326.47	7,452.19	5,306.00	71.87	75.74	-88.51	833.62	-3,417.69	772.40	627.56	144.83	5.333				
7,600.00	5,326.94	7,550.86	5,306.00	74.04	77.93	-88.50	885.93	-3,501.36	788.62	639.31	149.31	5.282				
7,700.00	5,327.42	7,649.54	5,306.00	76.21	80.14	-88.50	938.23	-3,585.03	804.84	651.04	153.80	5.233				
7,800.00	5,327.90	7,748.21	5,306.00	78.40	82.36	-88.50	990.54	-3,668.70	821.07	662.76	158.31	5.187				
7,900.00	5,328.38	7,846.89	5,306.00	80.59	84.59	-88.49	1,042.84	-3,752.38	837.29	674.46	162.83	5.142				
8,000.00	5,328.85	7,945.56	5,306.00	82.80	86.83	-88.49	1,095.14	-3,836.05	853.51	686.16	167.36	5.100				
8,100.00	5,329.33	8,044.24	5,306.00	85.01	89.08	-88.49	1,147.45	-3,919.72	869.74	697.84	171.90	5.060				
8,200.00	5,329.81	8,142.91	5,306.00	87.23	91.34	-88.48	1,199.75	-4,003.39	885.96	709.51	176.45	5.021				
8,300.00	5,330.28	8,241.59	5,306.00	89.45	93.61	-88.48	1,252.06	-4,087.07	902.18	721.18	181.01	4.984				
8,400.00	5,330.76	8,340.26	5,306.00	91.68	95.88	-88.48	1,304.36	-4,170.74	918.41	732.83	185.58	4.949				
8,500.00	5,331.24	8,438.94	5,306.00	93.92	98.16	-88.48	1,356.67	-4,254.41	934.63	744.48	190.15	4.915				
8,600.00	5,331.72	8,537.62	5,306.00	96.16	100.45	-88.47	1,408.97	-4,338.08	950.85	756.12	194.73	4.883				
8,700.00	5,332.19	8,636.29	5,306.00	98.40	102.74	-88.47	1,461.28	-4,421.76	967.08	767.76	199.32	4.852				
8,800.00	5,332.67	8,734.97	5,306.00	100.65	105.04	-88.47	1,513.58	-4,505.43	983.30	779.38	203.92	4.822				
8,900.00	5,333.15	8,833.64	5,306.00	102.91	107.34	-88.47	1,565.88	-4,589.10	999.52	791.01	208.52	4.793				
9,000.00	5,333.62	8,932.32	5,306.00	105.17	109.65	-88.47	1,618.19	-4,672.77	1,015.75	802.62	213.12	4.766				
9,100.00	5,334.10	9,030.99	5,306.00	107.43	111.96	-88.46	1,670.49	-4,756.44	1,031.97	814.24	217.73	4.740				
9,200.00	5,334.58	9,129.67	5,306.00	109.70	114.28	-88.46	1,722.80	-4,840.12	1,048.19	825.84	222.35	4.714				
9,300.00	5,335.06	9,228.34	5,306.00	111.97	116.60	-88.46	1,775.10	-4,923.79	1,064.42	837.45	226.97	4.690				
9,400.00	5,335.53	9,327.02	5,306.00	114.24	118.92	-88.46	1,827.41	-5,007.46	1,080.64	849.05	231.59	4.666				
9,500.00	5,336.01	9,425.69	5,306.00	116.51	121.25	-88.46	1,879.71	-5,091.13	1,096.86	860.64	236.22	4.643				
9,600.00	5,336.49	9,524.37	5,306.00	118.79	123.58	-88.45	1,932.02	-5,174.81	1,113.09	872.23	240.85	4.621				
9,700.00	5,336.96	9,623.04	5,306.00	121.07	125.92	-88.45	1,984.32	-5,258.48	1,129.31	883.82	245.49	4.600				
9,800.00	5,337.44	9,721.72	5,306.00	123.35	128.26	-88.45	2,036.62	-5,342.15	1,145.53	895.41	250.12	4.580				
9,900.00	5,337.92	9,820.39	5,306.00	125.64	130.60	-88.45	2,088.93	-5,425.82	1,161.75	906.99	254.77	4.560				
10,000.00	5,338.39	9,919.07	5,306.00	127.92	132.94	-88.45	2,141.23	-5,509.50	1,177.98	918.57	259.41	4.541				
10,100.00	5,338.87	10,017.74	5,306.00	130.21	135.29	-88.45	2,193.54	-5,593.17	1,194.20	930.15	264.06	4.523				
10,200.00	5,339.35	10,116.42	5,306.00	132.50	137.63	-88.45	2,245.84	-5,676.84	1,210.42	941.72	268.70	4.505				
10,300.00	5,339.83	10,215.09	5,306.00	134.80	139.98	-88.44	2,298.15	-5,760.51	1,226.65	953.29	273.36	4.487				

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 214H
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 214H	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
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
10,400.00	5,340.30	10,313.77	5,306.00	137.09	142.34	-88.44	2,350.45	-5,844.18	1,242.87	964.86	278.01	4.471	
10,500.00	5,340.78	10,412.45	5,306.00	139.39	144.69	-88.44	2,402.76	-5,927.86	1,259.09	976.43	282.67	4.454	
10,600.00	5,341.26	10,511.12	5,306.00	141.69	147.05	-88.44	2,455.06	-6,011.53	1,275.32	987.99	287.32	4.439	
10,700.00	5,341.73	10,609.80	5,306.00	143.98	149.41	-88.44	2,507.36	-6,095.20	1,291.54	999.56	291.98	4.423	
10,800.00	5,342.21	10,708.47	5,306.00	146.29	151.77	-88.44	2,559.67	-6,178.87	1,307.76	1,011.12	296.65	4.408	
10,900.00	5,342.69	10,807.15	5,306.00	148.59	154.13	-88.44	2,611.97	-6,262.55	1,323.99	1,022.68	301.31	4.394	
11,000.00	5,343.17	10,905.82	5,306.00	150.89	156.49	-88.43	2,664.28	-6,346.22	1,340.21	1,034.24	305.97	4.380	
11,100.00	5,343.64	11,004.50	5,306.00	153.19	158.85	-88.43	2,716.58	-6,429.89	1,356.43	1,045.79	310.64	4.367	
11,200.00	5,344.12	11,103.17	5,306.00	155.50	161.22	-88.43	2,768.89	-6,513.56	1,372.66	1,057.35	315.31	4.353	
11,300.00	5,344.60	11,201.85	5,306.00	157.81	163.59	-88.43	2,821.19	-6,597.24	1,388.88	1,068.90	319.98	4.341	
11,400.00	5,345.07	11,300.52	5,306.00	160.11	165.96	-88.43	2,873.50	-6,680.91	1,405.10	1,080.45	324.65	4.328	
11,500.00	5,345.55	11,399.20	5,306.00	162.42	168.33	-88.43	2,925.80	-6,764.58	1,421.33	1,092.00	329.32	4.316	
11,600.00	5,346.03	11,497.87	5,306.00	164.73	170.70	-88.43	2,978.10	-6,848.25	1,437.55	1,103.55	334.00	4.304	
11,700.00	5,346.51	11,596.55	5,306.00	167.04	173.07	-88.43	3,030.41	-6,931.92	1,453.77	1,115.10	338.67	4.293	
11,800.00	5,346.98	11,695.22	5,306.00	169.36	175.45	-88.43	3,082.71	-7,015.60	1,470.00	1,126.65	343.35	4.281	
11,900.00	5,347.46	11,793.90	5,306.00	171.67	177.82	-88.43	3,135.02	-7,099.27	1,486.22	1,138.19	348.03	4.270	
12,000.00	5,347.94	11,892.57	5,306.00	173.98	180.20	-88.42	3,187.32	-7,182.94	1,502.44	1,149.74	352.70	4.260	
12,100.00	5,348.41	11,991.25	5,306.00	176.29	182.57	-88.42	3,239.63	-7,266.61	1,518.67	1,161.28	357.38	4.249	
12,200.00	5,348.89	12,089.92	5,306.00	178.61	184.95	-88.42	3,291.93	-7,350.29	1,534.89	1,172.83	362.06	4.239	
12,300.00	5,349.37	12,188.60	5,306.00	180.93	187.33	-88.42	3,344.24	-7,433.96	1,551.11	1,184.37	366.74	4.229	
12,400.00	5,349.85	12,287.28	5,306.00	183.24	189.71	-88.42	3,396.54	-7,517.63	1,567.34	1,195.91	371.43	4.220	
12,500.00	5,350.32	12,385.95	5,306.00	185.56	192.09	-88.42	3,448.84	-7,601.30	1,583.56	1,207.45	376.11	4.210	
12,600.00	5,350.80	12,484.63	5,306.00	187.88	194.47	-88.42	3,501.15	-7,684.97	1,599.78	1,218.99	380.79	4.201	

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 214H
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 214H	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	-157.84	-92.49	-37.66	99.86				
100.00	100.00	100.00	100.00	0.27	0.27	-157.84	-92.49	-37.66	99.86	99.32	0.54	185.719	
200.00	200.00	200.00	200.00	0.63	0.63	-157.84	-92.49	-37.66	99.86	98.61	1.25	79.594	
300.00	300.00	300.00	300.00	0.99	0.99	-157.84	-92.49	-37.66	99.86	97.89	1.97	50.651	
400.00	400.00	400.00	400.00	1.34	1.34	-157.84	-92.49	-37.66	99.86	97.17	2.69	37.144	
500.00	500.00	500.00	500.00	1.70	1.70	-157.84	-92.49	-37.66	99.86	96.46	3.41	29.324	
600.00	600.00	600.00	600.00	2.06	2.06	-157.84	-92.49	-37.66	99.86	95.74	4.12	24.224	
700.00	700.00	700.00	700.00	2.42	2.42	-157.84	-92.49	-37.66	99.86	95.02	4.84	20.635	
800.00	800.00	800.00	800.00	2.78	2.78	-157.84	-92.49	-37.66	99.86	94.31	5.56	17.973	
900.00	900.00	900.00	900.00	3.14	3.14	-157.84	-92.49	-37.66	99.86	93.59	6.27	15.919	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-157.84	-92.49	-37.66	99.86	92.87	6.99	14.286	
1,100.00	1,099.95	1,099.95	1,099.95	3.85	3.85	-73.10	-92.49	-37.66	99.07	91.37	7.70	12.867	
1,200.00	1,199.63	1,199.63	1,199.63	4.20	4.21	-77.58	-92.49	-37.66	97.08	88.67	8.41	11.549	
1,300.00	1,298.77	1,298.77	1,298.77	4.56	4.57	-85.27	-92.49	-37.66	95.11	85.99	9.12	10.427	
1,347.07	1,345.16	1,345.16	1,345.16	4.74	4.73	-90.00	-92.49	-37.66	94.78	85.31	9.47	10.011 CC, ES	
1,400.00	1,397.08	1,397.08	1,397.08	4.94	4.92	-96.06	-92.49	-37.66	95.34	85.48	9.86	9.674	
1,500.00	1,494.31	1,494.31	1,494.31	5.35	5.27	-108.92	-92.49	-37.66	100.57	89.96	10.61	9.482 SF	
1,600.00	1,590.18	1,593.63	1,593.60	5.80	5.62	-123.25	-90.35	-36.83	111.88	100.51	11.37	9.843	
1,700.00	1,684.43	1,689.99	1,689.68	6.31	5.97	-137.49	-83.68	-34.25	130.50	118.42	12.09	10.795	
1,800.00	1,776.81	1,782.26	1,781.24	6.89	6.30	-149.97	-73.07	-30.14	158.74	145.97	12.77	12.434	
1,900.00	1,867.06	1,869.76	1,867.45	7.55	6.62	-160.03	-59.22	-24.78	196.96	183.56	13.40	14.696	
2,000.00	1,955.55	1,953.95	1,950.09	8.29	6.94	-167.73	-44.18	-18.95	243.07	229.05	14.02	17.334	
2,100.00	2,043.95	2,038.03	2,032.61	9.07	7.26	-173.20	-29.16	-13.13	292.08	277.43	14.65	19.940	
2,200.00	2,132.34	2,122.11	2,115.14	9.88	7.59	-177.16	-14.14	-7.32	342.63	327.34	15.30	22.401	
2,300.00	2,220.73	2,206.20	2,197.66	10.71	7.93	179.87	0.88	-1.50	394.14	378.17	15.96	24.689	
2,400.00	2,309.12	2,290.28	2,280.18	11.57	8.27	177.56	15.90	4.32	446.26	429.61	16.65	26.801	
2,500.00	2,397.52	2,374.36	2,362.71	12.43	8.62	175.73	30.92	10.13	498.82	481.46	17.35	28.743	
2,600.00	2,485.91	2,458.44	2,445.23	13.31	8.97	174.25	45.94	15.95	551.68	533.61	18.07	30.528	
2,700.00	2,574.30	2,542.52	2,527.75	14.20	9.32	173.02	60.96	21.76	604.77	585.97	18.80	32.168	
2,800.00	2,662.69	2,626.60	2,610.28	15.10	9.68	171.98	75.98	27.58	658.02	638.48	19.54	33.676	
2,900.00	2,751.08	2,710.68	2,692.80	16.00	10.04	171.10	91.00	33.40	711.41	691.12	20.29	35.066	
3,000.00	2,839.48	2,794.76	2,775.32	16.91	10.40	170.34	106.02	39.21	764.90	743.86	21.04	36.348	
3,100.00	2,927.87	2,878.84	2,857.85	17.82	10.77	169.68	121.04	45.03	818.48	796.67	21.81	37.533	
3,200.00	3,016.26	2,962.92	2,940.37	18.74	11.13	169.10	136.06	50.85	872.13	849.55	22.58	38.629	
3,300.00	3,104.65	3,047.00	3,022.90	19.66	11.50	168.59	151.08	56.66	925.83	902.48	23.35	39.647	
3,400.00	3,193.05	3,131.08	3,105.42	20.59	11.87	168.13	166.10	62.48	979.58	955.45	24.13	40.593	
3,500.00	3,281.44	3,215.16	3,187.94	21.51	12.24	167.72	181.12	68.30	1,033.37	1,008.46	24.92	41.473	
3,600.00	3,369.83	3,299.25	3,270.47	22.44	12.62	167.35	196.14	74.11	1,087.20	1,061.49	25.71	42.294	
3,700.00	3,458.22	3,383.33	3,352.99	23.37	12.99	167.02	211.16	79.93	1,141.05	1,114.55	26.50	43.061	
3,800.00	3,546.61	3,467.41	3,435.51	24.30	13.37	166.71	226.18	85.75	1,194.93	1,167.63	27.29	43.779	
3,900.00	3,635.01	3,551.49	3,518.04	25.24	13.74	166.43	241.20	91.56	1,248.83	1,220.74	28.09	44.452	
4,000.00	3,723.40	3,635.57	3,600.56	26.17	14.12	166.18	256.22	97.38	1,302.75	1,273.85	28.90	45.084	
4,100.00	3,812.32	3,720.23	3,683.65	27.09	14.50	166.22	271.35	103.24	1,355.74	1,326.04	29.70	45.647	
4,200.00	3,903.39	3,807.25	3,769.06	27.92	14.89	166.33	286.89	109.25	1,404.61	1,374.10	30.51	46.036	
4,300.00	3,996.49	3,896.54	3,856.70	28.66	15.29	166.36	302.84	115.43	1,449.02	1,417.69	31.33	46.253	
4,400.00	4,091.37	3,987.86	3,946.33	29.32	15.71	166.31	319.15	121.75	1,488.86	1,456.71	32.15	46.314	
4,500.00	4,187.78	4,080.96	4,037.71	29.89	16.13	166.19	335.79	128.19	1,524.04	1,491.07	32.96	46.233	
4,600.00	4,285.44	4,175.59	4,130.58	30.37	16.56	166.00	352.69	134.74	1,554.48	1,520.71	33.78	46.022	
4,700.00	4,384.09	4,342.31	4,295.35	30.78	17.26	165.62	376.07	143.79	1,578.07	1,542.88	35.18	44.855	
4,800.00	4,483.46	4,517.88	4,470.53	31.11	17.90	165.57	386.11	147.68	1,592.05	1,555.61	36.44	43.694	
4,900.00	4,583.27	4,630.62	4,583.27	31.37	18.26	165.67	386.32	147.76	1,597.84	1,560.70	37.14	43.017	
5,000.00	4,683.26	4,730.61	4,683.26	31.57	18.58	79.49	386.32	147.76	1,598.84	1,561.09	37.75	42.352	

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 214H
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 214H	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					Rule Assigned:					Offset Well Error:		0.00 ft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance				Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
5,004.45	4,687.71	4,735.06	4,687.71	31.58	18.59	128.15	386.32	147.76	1,598.85	1,561.07	37.78	42.321			
5,100.00	4,783.23	4,804.93	4,757.58	31.77	18.81	128.07	386.32	147.76	1,599.79	1,561.59	38.20	41.879			



Anticollision Report

Company:	Enduring Resources LLC	Local Co-ordinate Reference:	Well Nageezi Unit 214H
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 214H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Hole	Database:	DT_Jan1924v17
Reference Design:	rev0	Offset TVD Reference:	Offset Datum

Offset Design: Nageezi Unit (213, 214, 215, 216, 217 & 218) - Nageezi Unit 218H - Original Hole - rev0												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
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
0.00	0.00	0.00	0.00	0.00	0.00	-158.00	-74.28	-30.01	80.12				
100.00	100.00	100.00	100.00	0.27	0.27	-158.00	-74.28	-30.01	80.12	79.58	0.54	148.994	
200.00	200.00	200.00	200.00	0.63	0.63	-158.00	-74.28	-30.01	80.12	78.86	1.25	63.855	
300.00	300.00	300.00	300.00	0.99	0.99	-158.00	-74.28	-30.01	80.12	78.14	1.97	40.635	
400.00	400.00	400.00	400.00	1.34	1.34	-158.00	-74.28	-30.01	80.12	77.43	2.69	29.799	
500.00	500.00	500.00	500.00	1.70	1.70	-158.00	-74.28	-30.01	80.12	76.71	3.41	23.525	
600.00	600.00	601.30	601.25	2.06	2.06	-159.84	-74.41	-27.33	79.28	75.16	4.12	19.247	
700.00	700.00	702.04	701.66	2.42	2.41	-165.50	-74.81	-19.35	77.29	72.46	4.83	15.995	
800.00	800.00	801.66	800.40	2.78	2.78	-175.25	-75.45	-6.27	75.72	70.16	5.56	13.617	
815.92	815.92	817.38	815.92	2.84	2.84	-177.17	-75.58	-3.73	75.67	69.99	5.68	13.322 CC, ES	
900.00	900.00	900.00	897.08	3.14	3.18	171.31	-76.34	11.67	77.28	70.98	6.31	12.256	
1,000.00	1,000.00	995.56	990.01	3.50	3.60	156.39	-77.43	33.84	85.10	78.06	7.03	12.100 SF	
1,100.00	1,099.95	1,088.16	1,078.91	3.85	4.05	-131.61	-78.71	59.73	102.73	95.04	7.69	13.358	
1,200.00	1,199.63	1,175.80	1,161.78	4.20	4.54	-143.25	-80.12	88.17	132.99	124.72	8.27	16.083	
1,300.00	1,298.77	1,257.54	1,237.83	4.56	5.05	-151.48	-81.59	118.09	175.11	166.31	8.80	19.906	
1,400.00	1,397.08	1,332.77	1,306.63	4.94	5.56	-157.02	-83.09	148.47	227.37	218.08	9.29	24.474	
1,500.00	1,494.31	1,400.00	1,367.06	5.35	6.05	-160.66	-84.55	177.90	288.19	278.46	9.73	29.619	
1,600.00	1,590.18	1,462.45	1,422.23	5.80	6.57	-163.22	-85.99	207.12	356.28	346.12	10.17	35.041	
1,700.00	1,684.43	1,516.83	1,469.46	6.31	7.04	-164.86	-87.32	234.02	430.58	420.03	10.55	40.819	
1,800.00	1,776.81	1,566.90	1,512.29	6.89	7.50	-166.00	-88.60	259.94	510.14	499.21	10.92	46.698	
1,900.00	1,867.06	1,621.14	1,558.46	7.55	8.01	-167.03	-90.00	288.36	593.37	581.98	11.39	52.078	
2,000.00	1,955.55	1,672.04	1,601.79	8.29	8.51	-168.42	-91.32	315.04	678.86	667.02	11.84	57.334	
2,100.00	2,043.95	1,722.74	1,644.95	9.07	9.01	-169.77	-92.63	341.62	764.60	752.32	12.28	62.276	
2,200.00	2,132.34	1,773.45	1,688.11	9.88	9.51	-170.85	-93.94	368.20	850.43	837.71	12.72	66.844	
2,300.00	2,220.73	1,824.16	1,731.28	10.71	10.02	-171.73	-95.25	394.77	936.33	923.15	13.17	71.069	
2,400.00	2,309.12	1,874.86	1,774.44	11.57	10.53	-172.47	-96.57	421.35	1,022.27	1,008.64	13.63	74.984	
2,500.00	2,397.52	1,925.57	1,817.60	12.43	11.05	-173.10	-97.88	447.93	1,108.26	1,094.16	14.10	78.616	
2,600.00	2,485.91	1,976.28	1,860.77	13.31	11.57	-173.63	-99.19	474.50	1,194.27	1,179.70	14.57	81.993	
2,700.00	2,574.30	2,026.98	1,903.93	14.20	12.09	-174.10	-100.50	501.08	1,280.31	1,265.27	15.04	85.135	
2,800.00	2,662.69	2,077.69	1,947.09	15.10	12.61	-174.50	-101.81	527.66	1,366.36	1,350.85	15.52	88.063	
2,900.00	2,751.08	2,128.40	1,990.26	16.00	13.14	-174.86	-103.13	554.24	1,452.44	1,436.44	16.00	90.794	
3,000.00	2,839.48	2,179.10	2,033.42	16.91	13.67	-175.18	-104.44	580.81	1,538.52	1,522.04	16.48	93.347	

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 214H
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 214H	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

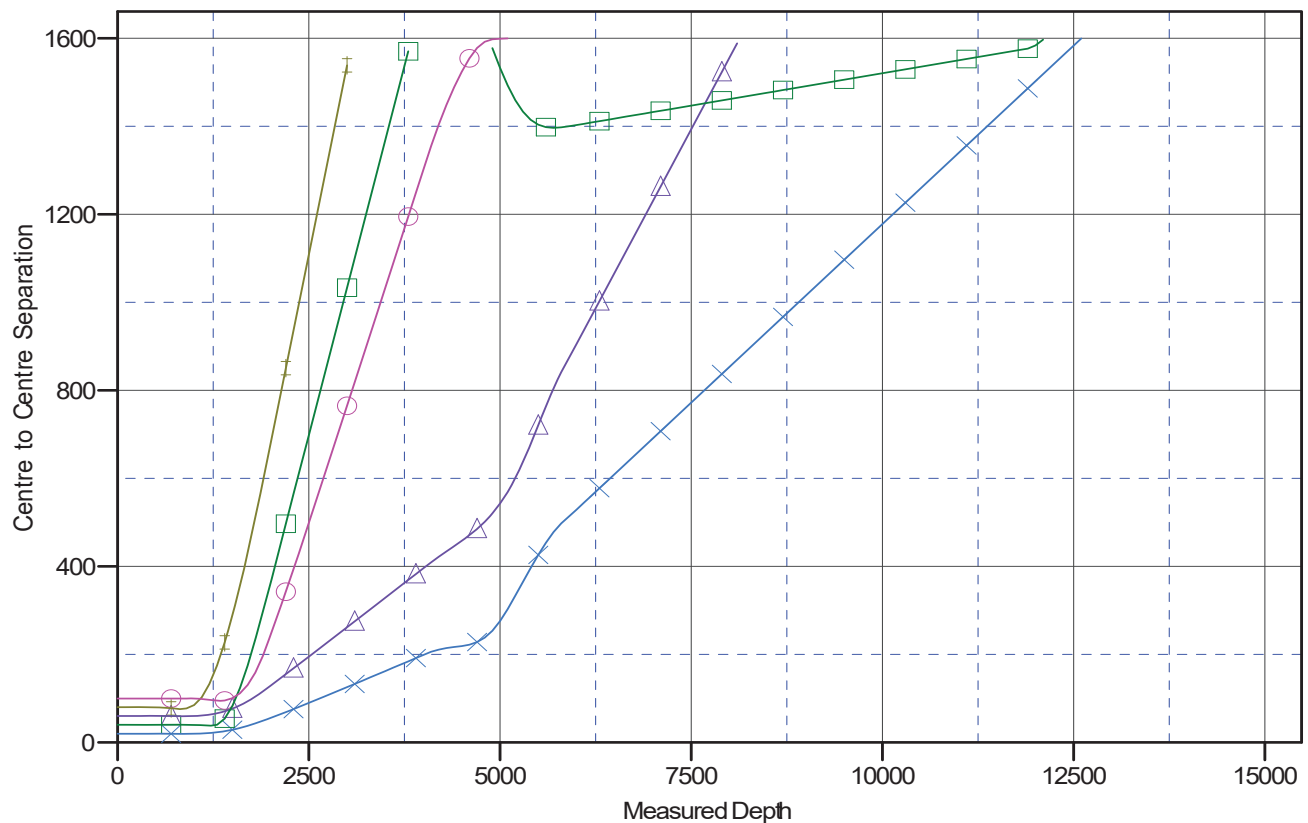
Central Meridian is -107.8333333

Coordinates are relative to: Nageezi Unit 214H

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

Grid Convergence at Surface is: 0.04°

Ladder Plot



LEGEND



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 214H
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 214H	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

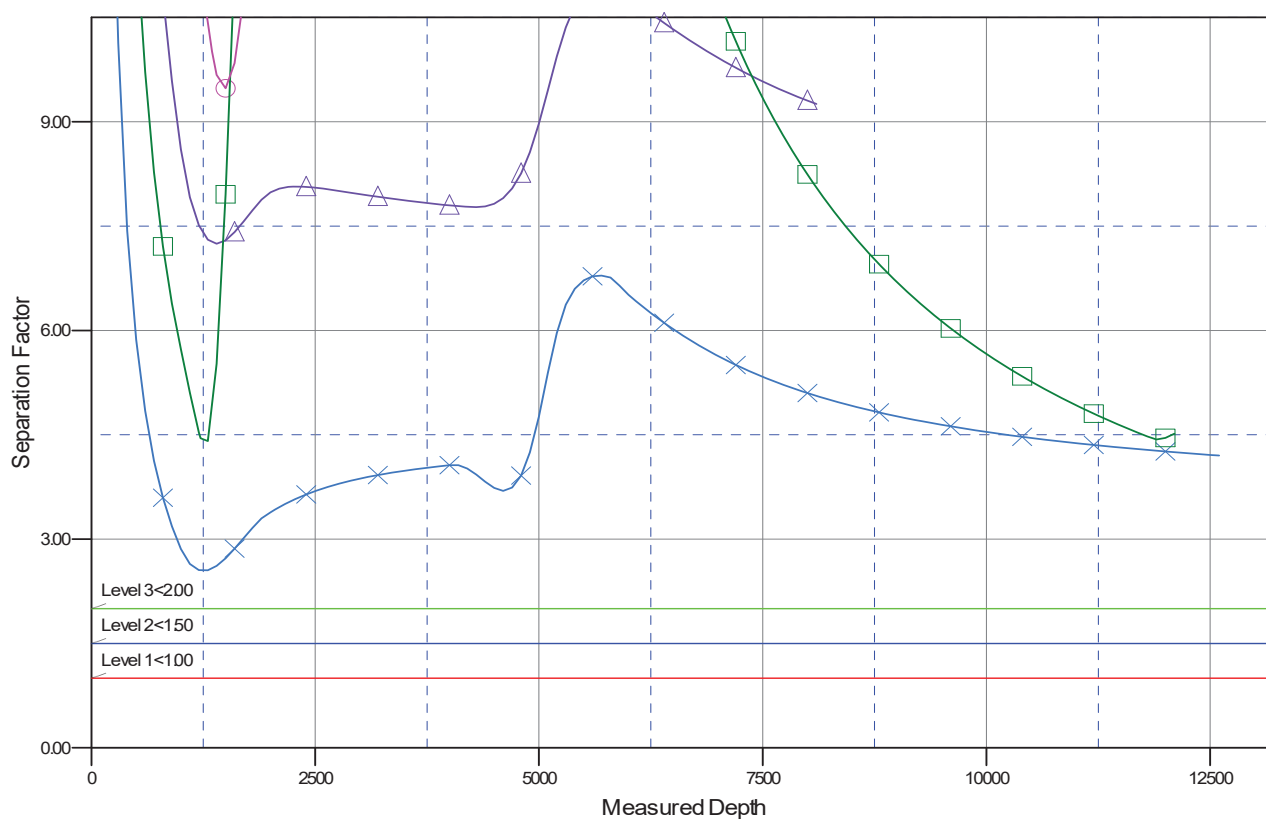
Central Meridian is -107.8333333

Coordinates are relative to: Nageezi Unit 214H

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

Grid Convergence at Surface is: 0.04°

Separation Factor Plot



LEGEND



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

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

CONDITIONS

Action 318488

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 318488
	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