Received by UCD: 2/16/2024 2:03:41 PM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 04/16/2024
Well Name: NAGEEZI UNIT	Well Location: T24N / R9W / SEC 26 / NWSW / 36.28274 / -107.765282	County or Parish/State: SAN JUAN / NM
Well Number: 216H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G14011834	Unit or CA Name:	Unit or CA Number: NMNM132981A
US Well Number: 3004538296	Operator: DJR OPERATING LLC	

Notice of Intent

Sundry ID: 2785167

....

Type of Submission: Notice of Intent

Date Sundry Submitted: 04/15/2024

Date proposed operation will begin: 04/15/2024

Type of Action: APD Change Time Sundry Submitted: 02:41 25

Procedure Description: DJR respectfully requests approval to change the casing and cement design for the subject well. Attached please find a Revised Drilling Plan; reflecting new casing size, set depth, and cement slurry assumptions. 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

216H_Revised_DPR_04.11.24_20240415144106.pdf

Received by OCD: 4/16/2024 2:03:41 PM Well Name: NAGEEZI UNIT	Well Location: T24N / R9W / SEC 26 / NWSW / 36.28274 / -107.765282	County or Parish/State: SAN 2 of 2: JUAN / NM
Well Number: 216H	Type of Well: OIL WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N0G14011834	Unit or CA Name:	Unit or CA Number: NMNM132981A
US Well Number:	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

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC

State: NM

Phone: (505) 632-3476

Email address: SFORD@ENDURINGRESOURCES.COM

Field

Representative Name: Street Address: City: State: Phone: Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Approved Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer BLM POC Email Address: krennick@blm.gov

Zip:

Signed on: APR 15, 2024 02:41 PM

Disposition Date: 04/16/2024

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 INFORMATIO	N:		
Name:	NAGEEZI UNIT 216H		
API Number:	30-045-38296		
AFE Number:	Not yet assigned		
ER Well Number:	Not yet assigned		
State:	New Mexico		
County:	San Juan		
Surface Elevation:	6,826 ft ASL (GL)	6,851 ft ASL (KB)	
Surface Location:	26-24N-9W Sec-Twn-Rng	1,742 ft FSL	769 ft FWL
	36.28274 O N latitude	107.765282 OW longitude	(NAD 83)
BH Location:	21-24N-9W Sec-Twn-Rng	2,167 ft FSL	174 ft FWL
	36.298305 O N latitude	107.802945 OW longitude	(NAD 83)
Driving Directions:	FROM THE INTERSECTION OF	US HWY 550 & US HWY 64 IN B	LOOMFIELD, NM:
	South on US Hwy 550 for 32.5	5 miles to MM 119.5, Right (South	hWest) on D34 Road for 2.

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:

rognosis:	Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	0/G/W	Pressure
	Ojo Alamo	6,020	831	831	W	normal
	Kirtland	5,895	956	956	W	normal
	Fruitland	5,605	1,246	1,247	G, W	sub
	Pictured Cliffs	5,260	1,591	1,601	G, W	sub
	Lewis	5,150	1,701	1,718	G, W	normal
	Chacra	4,850	2,001	2,049	G, W	normal
	Cliff House	3,760	3,091	3,261	G, W	sub
	Menefee	3,730	3,121	3,294	G, W	normal
	Point Lookout	2,800	4,051	4,328	G, W	normal
	Mancos	2,603	4,248	4,547	0,G	sub (~0.38)
	Gallup (MNCS_A)	2,255	4,596	4,934	0,G	sub (~0.38)
	MNCS_B	2,168	4,683	5,031	0,G	sub (~0.38)
	MNCS_C	2,062	4,789	5,149	0,G	sub (~0.38)
	MNCS_Cms	2,018	4,833	5,198	0,G	sub (~0.38)
	MNCS_D	2,258	4,593	5,331	0,G	sub (~0.38)
	MNCS_E	1,790	5,061	5,459	0,G	sub (~0.38)
	MNCS_F	1,718	5,133	5,555	0,G	sub (~0.38)
	MNCS_G	1,640	5,211	5,681	0,G	sub (~0.38)
	MNCS_H	1,600	5,251	5,764	O,G	sub (~0.38)
	MNCS_I	1,565	5,286	5,865	0,G	sub (~0.38)
	FTP TARGET	1,580	5,271	5,817	O,G	sub (~0.38)
	PROJECTED TD	1,545	5,306	16,523	O,G	sub (~0.38)

Surface: Nacimiento

Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup

Pressure:	Normal (0.43 psi/ft) or sub-n	ormal press	ure gradient	s anticipated in all formations		
	Max. pressure gradient:	0.43	psi/ft	Evacuated hole gradient:	0.22	psi/ft
	Maximum anticipated BH pr	essure, assi	uming maxir	num pressure gradient:	2,290	psi
	Maximum anticipated surface	ce pressure,	assuming p	artially evacuated hole:	1,130	psi
		,			_,	

Temperature: Maximum anticipated BHT is 1250 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 7" casing to TD; gas detection from drillout of 9-5/8" casing to TD.

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

- Open Hole Logs: None planned
 - Testing: None planned
 - Coring: None planned
- Cased Hole Logs: CBL on 7" casing from deepest free-fall depth to surface

DRILLING RIG INFORMATION:

Contractor: Ensign

contractor.	Elisigii
Rig No.:	140
Draw Works:	Pacific Rim 1500AC (1,500 hp)
Mast:	Process MFG Corp Swing Up Triple (136 ft, 750,000 lbs)
Top Drive:	Tesco 400-EXI-600 (400 ton)
Prime Movers:	3 - CAT 3512C (1,350 hp)
Pumps:	2 - Gardner Denver PZ-11 (7,500 psi)
BOPE 1:	T3 Annular & Shaffer double gate ram (11", 5,000 psi)
BOPE 2:	T3 annular(11", 5,000 psi)
Choke	3", 5,000 psi

KB-GL (ft): 23.5

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

BOPE REQUIREMENTS:

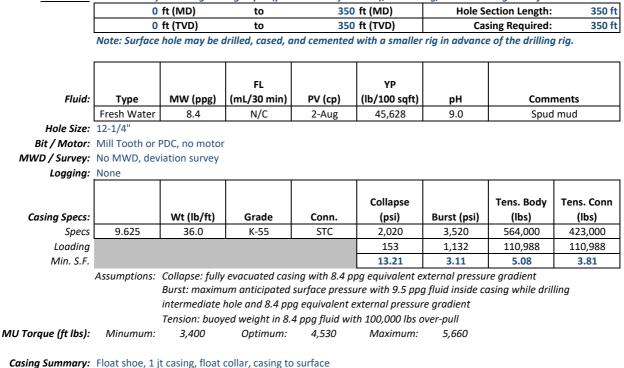
See attached diagram for details regarding BOPE specifications and configuration.

- 1) Rig will be equipped with upper and lower kelly cocks with handles available.
- 2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.
- 2) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.
- 3) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.
- **4)** Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.
- 5) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device. The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

FLUIDS AND SOLIDS CONTROL PROGRAM:

- Fluid Measurement: Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).
- Closed-Loop System: A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to 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.

Centralizers: 2 centralizers per it stop-banded 10' from each collar on bottom 3 its, 1 centralizer per 2 its to surface

			Yield	Water	Hole Cap.		Planned TOC	Total Cmt	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)	(cu ft)
Redi-Mix	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114	184
-		Calculated cen	nent volumes d	assume gauge	hole and the ex	cess noted in	table	Csg ID	8.921
		Mesa Ready N	1ix or first avai	lable			Shoe Track L	44	
		Notify NMOCI	O & BLM if cen	nent is not circ	ulated to surfa	ace. Cement n	nust achieve 50	0 psi compres	sive strength
		before drilling	out.						

	350	ft (MD)	to	5,917	ft (MD)	Hole Se	ection Length:	5,567 ft
	350	ft (TVD)	to	5,297	ft (TVD)	Cas	ing Required:	5,917 f
			FL		YP			
Fluid:	Туре	MW (ppg)	(mL/30 min)	PV (cp)	(lb/100 sqft)	рН	Comr	nents
	LSND (KCI)	8.8 - 9.2	15	14-Aug	12-Jun	10.8 - 11.2	No (DBM
Hole Size:	8.75							
Bit / Motor:	8-3/4" PDC bit	: w/mud motor	r					
MWD / Survey:	MWD Survey	with inclination	n and azimuth	survey (every	100' at a minin	num), GR optio	nal	
Logging:	None							
Pressure Test:	NU BOPE and	test (as noted	above); pressu	re test 13-3/8	' casing to	1,500	psi for 30 min	utes.
			_		Collapse		Tens. Body	Tens. Conn
Casing Specs:		Wt (lb/ft)	Grade	Conn.	(psi)	Burst (psi)	(lbs)	(lbs)
Specs	7	26.0	K-55	LTC	4,320	4,980	415,000	367,000
Loading					2,314	1,433	234,158	234,158
Min. S.F.					1.87	3.48	1.77	1.57
	Assumptions:			5	5 .	•	5	
			•		ire with 9.5 pp		ising while dril	ling
		•		•	ernal pressure	5		
			5		h 100,000 lbs c	•		
AU Torque (ft lbs):	Minumum:	3,400	Optimum:	4,530	Maximum:	5,660		
Centralizers:	1 per joint in r	non-vertical ho	ie; 1 per 2-join Yield		ole	Planned TOC	Tabal Cost	Tatal Cost
Cement:	Туре	Weight (ppg)	(cuft/sk)	Water (gal/sk)	% Excess	(ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Lead	III:POZ Blend	12.5	2.140	(gal/sk) 12.05	70%		(SX) 517	1,105
Tail	Type III	12.5	1.380	6.64	20%	4,447	199	275
Annular Capacity	0.16681		7" casing x 9-5				Shoe Track L	4
	0.15031		9-5/8" casing .	-			Casing ID	6.27
	0.1505	-	7" casing casir	-	unnulus		Casing ID	0.27
			-	-	xcess noted in t	tabla		
			5 5	noie unu tile e.	LESS HOLEU IN I	uble		
		diate Cementi	5 5					

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

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

PRODUCTION:	Drill to TD fol	lowing directio	onal plan, run	casing, cemen	t casing to surj	face.		
	5,917	ft (MD)	to	16,523	ft (MD)	Hole S	ection Length:	10,606 ft
	5,297	ft (TVD)	to	5,306	ft (TVD)	Ca	sing Required:	10,756 ft
		Es	timated KOP:	5,313	ft (MD)	4,937	ft (TVD)	
		Estimat	ted Liner Top:	5,767	ft (MD)	5,252	ft (TVD)	
	Est	imated Landin	g Point (FTP):	5,817	ft (MD)	5,271	ft (TVD)	
		Estimated La	ateral Length:	10,706	ft (MD)		•	
						-		
					YP			
Fluid:	Туре	MW (ppg)	FL (mL/30')	PV (cp)	(lb/100 sqft)	рН	Comments	Comments
								OBM as
	WBM	8.7 - 9.0	NC	20.00	±2	9-9.5	prod water	contingency
Hole Size:	6.125			•			•	
Bit / Motor:	6-1/8" PDC bit	t w/mud moto	r					
MWD / Survey:	MWD with GF	R, inclination, a	nd azimuth (sı	urvey every joi	nt from KOP to	Landing Point	and survey ev	ery 100'
	minimum bef	ore KOP and af	ter Landing Po	oint)				
Logging:	GR MWD for e	entire section,	no mud-log or	cuttings samp	ling, no OH WL	logs		
Pressure Test:	NU BOPE and	test (as noted	above); pressu	ure test 9-5/8"	casing to	1,500	psi for 30 min	utes.
							Tens. Body	Tens. Conn
Liner/Casing Specs:	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	(lbs)	(lbs)
Specs	4.500	11.6	P-110	BTC	7,560	10,690	367,000	385,000
Loading					2,621	8,804	265,391	265,391
Min. S.F.					2.88	1.21	1.38	1.45
MU Torque (ft lbs): Centralizers:	Minumum: Centralizer co	Tension: buoy vertical hole to BTC	ed weight in 9 o approximate Optimum:	ivalent externa .0 ppg fluid wit drag in lateral BTC diusted based d	h 100,000 lbs o Maximum:	over-pull. Tensi BTC		s assume
Cement:	Туре	Weight (ppg)	Yield	Water	% Excess	Planned TOC		Total Cmt
Spacer	IntegraGuard Star	11		31.6		0	60 bbls	
						-		
Tail	G:POZ blend	13.3	1.560	7.70	30%	5,767	875	1,366
Displacement		est bbls		-		-, -		,
Annular Capacities	0.1044	cuft/ft	4-1/2" casina	x 7" casing ani	nulus			
	0.09417	cuft/ft		x 6-1/8" hole a				
	0.0873	cuft/ft	4-1/2" casing		est shoe jt ft	100		
	0.0102	bbls/ft	4" DP capacit					
		ment volumes d	•		xcess noted in	table		
		nenting Liner & Avis 616	5 5					
Spacer	S-8 Silica Flour 163.7 lbs/bbl	viscosifier 11.6 lb/bbl	FP24 Defoamer .5 lb/bbl Bentonite		SS201 Surfactant 1 gal/bbl IntegraGuard		FP24 Defoamer	
Lead/Tail	ASTM Type I/II	BA90 Bonding Agent 5.0 lb/sx	Viscosifier 8% BWOB	FL24 Fluid Loss .5% BWOB	GW86 Viscosifier .1% BWOB	R7C Retarder .2% BWOB	0.3% BWOB, Anti- Static .01 lb/sx	FP24 Defoamer
	Туре 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	.3% BWOB,

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

Notify NMOCD & BLM if cement is not circulated to surface.

Note: This well will not be considered an unorthodox well location as definted by NMAC19.15.16.15.C.5. As defined in NMAC 19.15.16.15.C.1.a and 19.15.16.15.C.1.b, no point in the completed interval shall be closer to the unit boundary than 100' measured along the azimuth of the well or 330' measured perpendicular to the azimuth well. The boundaries of the completed interval, as defined by NMAC 19.15.16.7.B, are the last take point and first take point, as defined by NMAC 19.15.16.7.J, respectively. In the case of this well, the last take point will be the bottom toe-initiation sleeve, and the first take point will be the top perforation. Neither the toe-initiation sleeve nor the top perforation shall be closer to the unit boundary than 100' measured along the azimuth of the well or 330' measured perpendicular to the azimuth of the well.

FINISH WELL: ND BOP, cap well, RDMO.

COMPLETION AND PRODUCTION PLAN:

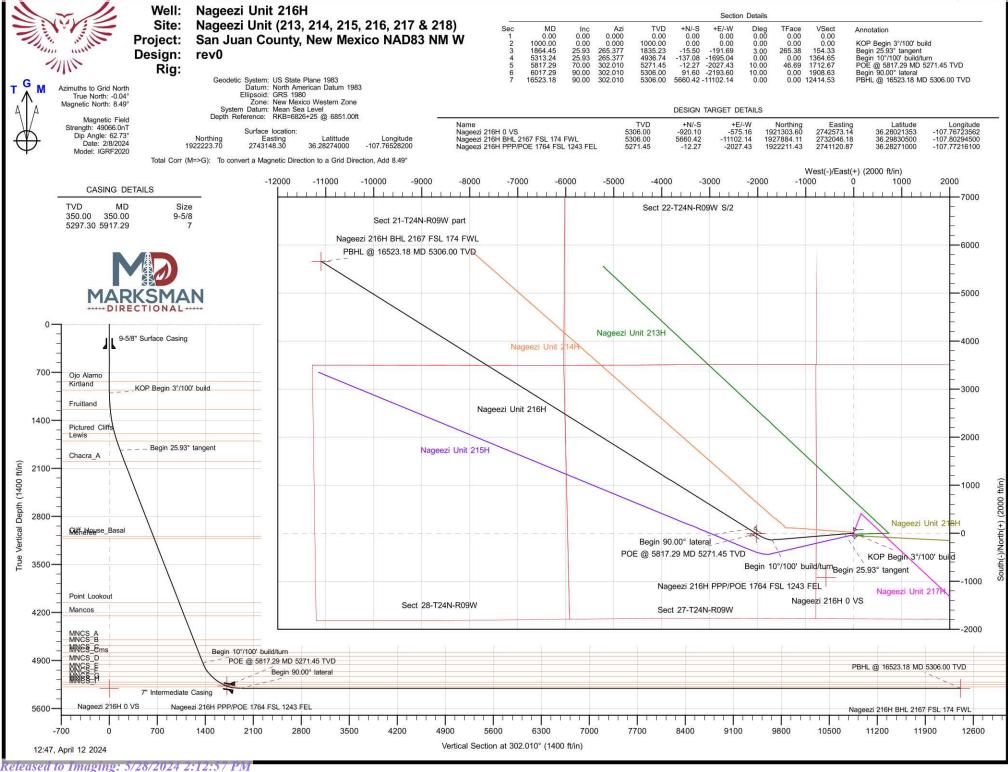
Est Lateral Length: 10,606

Est Frac Inform:44 Frac Stages170,000bbls slick water13,790,000lbs proppantFrac: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 allowProduction:Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling:	5/16/2024
Completion:	7/15/2024
Production:	8/29/2024

Prepared by:	Greg Olson	1/25/2024
Updated:	Greg Olson	4/11/2024



Received by OCD: 4/16/2024 2:03:41 PM

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Database:	DT M	lar1724 v17			Local Co-r	ordinate Refer	ence.	Well Nageezi Ur	nit 216H	
Company:		ring Resources	LLC		TVD Refer		choc.	RKB=6826+25 (
Project:			ew Mexico NAD83	NM W	MD Refere			RKB=6826+25 (
Site:		and the second se	14, 215, 216, 217						g 6651.001	
			14, 215, 210, 217	a 210)	North Refe			Grid		
Vell:		ezi Unit 216H			Survey Ca	Iculation Meth	nod:	Minimum Curvat	ure	
Nellbore:		al Hole								
Design:	rev0									
Project	San Ju	ian County, Ne	w Mexico NAD83 I	NM W						
Map System:	LIS Stat	e Plane 1983			System Date		М	ean Sea Level		
Geo Datum:		nerican Datum	1983		Gystem Dat	um.	101			
Map Zone:		xico Western Z								
wap zone.	INEW IVIE	AICO Western Z	one							
Site	Nagee	zi Unit (213, 21	4, 215, 216, 217 8	& 218)						
Site Position:			Northing	:	1,922,2	205.14 usft	Latitude:			36.2826890
From:	Lat	/Long	Easting:		1	40.65 usft	Longitude:			-107.7653080
Position Uncertai		0.00	A REAL PROPERTY OF THE REAL PR	ius:	12-304-340550	3-3/16 "	Longitude.			101.1000000
Position oncertai	ity.	0.00	Slot Radi	ius.	1.	5-5/10				
Well	Nageez	zi Unit 216H, Si	urf loc: 1742 FSL 7	769 FWL Se	ection 26-T24N-	R09W				
Well Position	+N/-S	0.0	00 ft North	ing:		1,922,223.71	usft Lat	itude:		36.2827400
	+E/-W	0.0	00 ft Eastin	ng:		2,743,148.30	usft Lo	ngitude:		-107.7652820
Position Uncertai				ead Elevat		a oli 2.52.		ound Level:		6,826.00 ft
			04 °				30			5,020.00 H
Grid Convergence): 	0.1	04							
Wellbore	Origin	al Hole								
Magnetics	Mo	odel Name	Sample D	ate	Declinat	tion	Dip	Angle	Field S	Strength
					(°)		(°)	(1	nT)
		IGRF2020	2/	/8/2024		8.53		62.73	49,0	066.02054885
Destau										
Design	rev0									
Audit Notes:	rev0									
	rev0		Phase:	F	PLAN	Tie	On Depth:		0.00	
Audit Notes: Version:	rev0						On Depth:			
Audit Notes:	rev0	[Depth From (TVD)		+N/-S	+E	/ -W	Dire	ection	
Audit Notes: Version:	rev0	ſ	Depth From (TVD) (ft)		+N/-S (ft)	+E (1	/-W ft)	Dire	ection (°)	
Audit Notes: Version:	rev0	ſ	Depth From (TVD)		+N/-S	+E (1	/ -W	Dire	ection	
Audit Notes: Version:			Depth From (TVD) (ft)		+N/-S (ft)	+E (1	/-W ft)	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From	Program ı Dept	Date h To	Depth From (TVD) (ft) 0.00 4/12/2024		+N/-S (ft) 0.00	+E (1	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool	Program	Date h To	Depth From (TVD) (ft) 0.00		+N/-S (ft)	+E (1	/-W ft)	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From	Program ı Dept (f	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024		+N/-S (ft) 0.00	+E (1	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft)	Program ı Dept (f	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore)		+N/-S (ft) 0.00 Tool Name	+E (1 0.	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft)	Program ı Dept (f	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore)		+N/-S (ft) 0.00 Tool Name MWD	+E (1 0.	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0	Program ı Dept (f	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore)		+N/-S (ft) 0.00 Tool Name MWD	+E (1 0.	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0	Program ı Dept (f	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore)		+N/-S (ft) 0.00 Tool Name MWD	+E (1 0.	/-W ft) 00	Dire	ection (°)	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured	Program ı Dept (f	Date h To t) Survey 23.18 rev0 (C	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole)		+N/-S (ft) 0.00 Tool Name MWD OWSG MWD -	+E (f 0.	/-W ft) 00 Remarks	Dire 30	ection (°) 2.010	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured	Program Dept (f 0 16,5	Date h To t) Survey	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole)		+N/-S (ft) 0.00 Tool Name MWD	+E (f 0. Standard	/-W ft) 00 Remarks Build	Dira 30: Turn	ection (°)	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft)	Program Dept (f 00 16,5	Date h To t) Survey 23.18 rev0 (C Azimuth (°)	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft)	+N/-S (ft)	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - +E/-W (ft)	+E (t) 0. Standard Dogleg Rate (°/100ft)	/-W ft) 00 Remarks Build Rate (°/100ft)	Dira 30: Turn Rate (°/100ft)	ection (°) 2.010 TFO (°)	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) 0.00	Program Dept (f 00 16,5 nclination (°) 0.00	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00	+N/-S (ft) 0.00	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - (ft) 0.00	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00	Dira 30: 	ection (°) 2.010 TFO (°) 0.00	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft)	Program Dept (f 00 16,5	Date h To t) Survey 23.18 rev0 (C Azimuth (°)	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft)	+N/-S (ft)	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - +E/-W (ft)	+E (t) 0. Standard Dogleg Rate (°/100ft)	/-W ft) 00 Remarks Build Rate (°/100ft)	Dira 30: 	ection (°) 2.010 TFO (°)	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) 0.00	Program Dept (f 00 16,5 nclination (°) 0.00	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00	+N/-S (ft) 0.00	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - (ft) 0.00	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00	Dira 30: 7007 Rate (°/100ft) 0.00 0.00	ection (°) 2.010 TFO (°) 0.00	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) Ir 0.00 1,000.00 1,864.45	Program Dept (f 0 16,5 clination (°) 0.00 0.00 25.93	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000 0.000 265.377	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00 1,000.00 1,835.23	+N/-S (ft) 0.00 0.00 -15.50	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - OWSG MWD - +E/-W (ft) 0.00 0.00 0.00 -191.69	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00 0.00 3.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00 0.00 3.00	Dira 30: Turn Rate (°/100ft) 0.00 0.00 0.00	ection (°) 2.010 TFO (°) 0.00 0.00	Target
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) I 0.00 1,000.00 1,864.45 5,313.24	Program Dept (f 0 16,5 clination (°) 0.00 0.00 25.93 25.93	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000 0.000 265.377 265.377	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00 1,000.00 1,835.23 4,936.74	+N/-S (ft) 0.00 0.00 -15.50 -137.08	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - OWSG MWD - -191.69 -1,695.04	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00 0.00 3.00 0.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00 0.00 3.00 0.00	Dira 30: Turn Rate (°/100ft) 0.00 0.00 0.00 0.00	ection (°) 2.010 TFO (°) 0.00 0.00 265.38 0.00	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) Ir 0.00 1,000.00 1,864.45 5,313.24 5,817.29	Program Dept (f 0 16,5 0 16,5 0 0 0 0 00 0.00 0.00 25.93 25.93 70.00	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000 265.377 265.377 302.010	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00 1,000.00 1,835.23 4,936.74 5,271.45	+N/-S (ft) 0.00 0.00 -15.50 -137.08 -12.27	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - OWSG MWD - OWSG MWD - 0.00 0.00 0.00 -191.69 -1,695.04 -2,027.43	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00 0.00 3.00 0.00 10.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00 0.00 0.00 3.00 0.00 8.74	Dira 30: Turn Rate (°/100ft) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	ection (°) 2.010 TFO (°) 0.00 0.00 265.38 0.00 46.69	
Audit Notes: Version: Vertical Section: Plan Survey Tool Depth From (ft) 1 0.0 Plan Sections Measured Depth Ir (ft) I	Program Dept (f 0 16,5 clination (°) 0.00 0.00 25.93 25.93	Date h To t) Survey 23.18 rev0 (C Azimuth (°) 0.000 0.000 265.377 265.377	Depth From (TVD) (ft) 0.00 4/12/2024 (Wellbore) triginal Hole) Vertical Depth (ft) 0.00 1,000.00 1,835.23 4,936.74	+N/-S (ft) 0.00 0.00 -15.50 -137.08	+N/-S (ft) 0.00 Tool Name MWD OWSG MWD - OWSG MWD - -191.69 -1,695.04	+E (t) 0. Standard Dogleg Rate (°/100ft) 0.00 0.00 3.00 0.00	/-W ft) 00 Remarks Build Rate (°/100ft) 0.00 0.00 3.00 0.00	Dira 30: Turn Rate (°/100ft) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	ection (°) 2.010 TFO (°) 0.00 0.00 265.38 0.00 46.69 0.00	Target Nageezi 216H PPP/F

4/12/2024 12:48:49PM



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Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project: Site:	San Juan County, New Mexico NAD83 NM W Nageezi Unit (213, 214, 215, 216, 217 & 218)	MD Reference: North Reference:	RKB=6826+25 @ 6851.00ft Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00
9-5/8" Surfac									
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
831.00	0.00	0.000	831.00	0.00	0.00	0.00	0.00	0.00	0.00
Ojo Alamo	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000			0.00	0.00	0.00	0.00	0.00
956.00 Kirtland	0.00	0.000	956.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3			ton Constant Constant Constant						
1,100.00	3.00	265.377	1,099.95	-0.21	-2.61	2.10	3.00	3.00	0.00
1,200.00	6.00	265.377	1,199.63	-0.84	-10.43	8.40	3.00	3.00	0.00
1,246.69	7.40	265.377	1,246.00	-1.28	-15.86	12.77	3.00	3.00	0.00
Fruitland									
1,300.00	9.00	265.377	1,298.77	-1.90	-23.44	18.87	3.00	3.00	0.0
1,400.00	12.00	265.377	1,397.08	-3.36	-41.60	33.49	3.00	3.00	0.0
1,500.00	15.00	265.377	1,494.31	-5.25	-64.87	52.22	3.00	3.00	0.0
1,600.00	18.00	265.377	1,590.18	-7.53	-93.17	75.01	3.00	3.00	0.0
1,600.86	18.03	265.377	1,591.00	-7.56	-93.44	75.23	3.00	3.00	0.0
Pictured Cliff	fs								
1,700.00	21.00	265.377	1,684.43	-10.23	-126.44	101.79	3.00	3.00	0.0
1,717.78	21.53	265.377	1,701.00	-10.74	-132.87	106.97	3.00	3.00	0.0
Lewis									
1,800.00	24.00	265.377	1,776.81	-13.31	-164.58	132.50	3.00	3.00	0.0
1,864.45	25.93	265.377	1,835.23	-15.50	-191.69	154.33	3.00	3.00	0.0
Begin 25.93°									
1,900.00	25.93	265.377	1,867.20	-16.76	-207.19	166.81	0.00	0.00	0.0
2,000.00	25.93	265.377	1,957.13	-20.28	-250.78	201.90	0.00	0.00	0.0
2,048.78	25.93	265.377	2,001.00	-22.00	-272.04	219.02	0.00	0.00	0.0
Chacra_A 2,100.00	25.93	265.377	2,047.06	-23.81	-294.37	236.99	0.00	0.00	0.0
2,200.00	25.93	265.377	2,137.00	-27.33	-337.96	272.09	0.00	0.00	0.0
2,300.00	25.93	265.377	2,226.93	-30.86	-381.55	307.18	0.00	0.00	0.0
2,400.00	25.93	265.377	2,316.86	-34.38	-425.14	342.28	0.00	0.00	0.0
2,500.00	25.93	265.377	2,406.79	-37.91	-468.73	377.37	0.00	0.00	0.0
2,600.00	25.93	265.377	2,496.72	-41.43	-512.32	412.47	0.00	0.00	0.0
2,700.00	25.93	265.377	2,586.65	-44.96	-555.91	447.56	0.00	0.00	0.0
2,800.00	25.93	265.377	2,676.58	-48.48	-599.50	482.65	0.00	0.00	0.0
2,900.00	25.93	265.377	2,766.51	-52.01	-643.09	517.75	0.00	0.00	0.0
3,000.00	25.93	265.377	2,856.44	-55.53	-686.68	552.84	0.00	0.00	0.0
3,100.00	25.93	265.377	2,946.37	-59.06	-730.27	587.94	0.00	0.00	0.0
3,200.00	25.93	265.377	3,036.30	-62.58	-773.87	623.03	0.00	0.00	0.0
3,260.83	25.93	265.377	3,091.00	-64.73	-800.38	644.38	0.00	0.00	0.0
Cliff House_I			Charles and a			1.200 State State State	e i Gart setan Sami		
3,294.19	25.93	265.377	3,121.00	-65.90	-814.92	656.08	0.00	0.00	0.0



Database:	DT_Mar1724_v17	Local Co-ordinate Reference:	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

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									
3,300.00	25.93	265.377	3,126.23	-66.11	-817.46	658.12	0.00	0.00	0.00
3,400.00	25.93	265.377	3,216.16	-69.63	-861.05	693.22	0.00	0.00	0.00
3,500.00	25.93	265.377	3,306.09	-73.16	-904.64	728.31	0.00	0.00	0.00
3,600.00	25.93	265.377	3,396.02	-76.68	-948.23	763.41	0.00	0.00	0.00
3,700.00	25.93	265.377	3,485.95	-80.21	-991.82	798.50	0.00	0.00	0.0
3,800.00	25.93	265.377	3,575.88	-83.73	-1,035.41	833.60	0.00	0.00	0.0
3,900.00	25.93	265.377	3,665.81	-83.73	-1,035.41	868.69	0.00	0.00	0.0
3,900.00	25.95	205.577	3,005.01		-1,079.00	000.09			
4,000.00	25.93	265.377	3,755.74	-90.78	-1,122.59	903.78	0.00	0.00	0.0
4,100.00	25.93	265.377	3,845.67	-94.31	-1,166.18	938.88	0.00	0.00	0.0
4,200.00	25.93	265.377	3,935.60	-97.83	-1,209.77	973.97	0.00	0.00	0.0
4,300.00	25.93	265.377	4,025.53	-101.36	-1,253.36	1,009.07	0.00	0.00	0.0
4,328.32	25.93	265.377	4,051.00	-102.36	-1,265.71	1,019.01	0.00	0.00	0.0
Point Looko	ut								
4,400.00	25.93	265.377	4,115.46	-104.88	-1,296.95	1,044.16	0.00	0.00	0.00
4,500.00	25.93	265.377	4,205.39	-108.41	-1,340.54	1,079.26	0.00	0.00	0.00
4,547.38	25.93	265.377	4,248.00	-110.08	-1,361.20	1,095.88	0.00	0.00	0.0
Mancos	20.00		.,		.,	.,	0.00		5.0
4,600.00	25.93	265.377	4,295.32	-111.94	-1,384.13	1,114.35	0.00	0.00	0.0
4,700.00	25.93	265.377	4,385.25	-115.46	-1,427.72	1,149.44	0.00	0.00	0.0
4,800.00	25.93	265.377	4,475.18	-118.99	-1,471.31	1,184.54	0.00	0.00	0.0
4,900.00	25.93	265.377	4,565.11	-122.51	-1,514.90	1,219.63	0.00	0.00	0.0
4,934.35	25.93	265.377	4,596.00	-123.72	-1,529.88	1,231.69	0.00	0.00	0.0
MNCS_A									
5,000.00	25.93	265.377	4,655.04	-126.04	-1,558.49	1,254.73	0.00	0.00	0.0
5,031.09	25.93	265.377	4,683.00	-127.13	-1,572.05	1,265.64	0.00	0.00	0.0
MNCS_B									
5,100.00	25.93	265.377	4,744.97	-129.56	-1,602.08	1,289.82	0.00	0.00	0.00
5,148.96	25.93	265.377	4,789.00	-131.29	-1,623.43	1,307.00	0.00	0.00	0.0
	20.00	200.377	4,703.00	-101.20	-1,020.40	1,507.00	0.00	0.00	0.0
MNCS_C	05.00	005 077	1 000 00	100.01	1 0 1 1 75	4 004 47	0.00	0.00	
5,197.89	25.93	265.377	4,833.00	-133.01	-1,644.75	1,324.17	0.00	0.00	0.0
MNCS_Cms									
5,200.00	25.93	265.377	4,834.90	-133.09	-1,645.67	1,324.91	0.00	0.00	0.0
5,300.00	25.93	265.377	4,924.83	-136.61	-1,689.27	1,360.01	0.00	0.00	0.0
5,313.24	25.93	265.377	4,936.74	-137.08	-1,695.04	1,364.65	0.00	0.00	0.0
A State of the state of the	0' build/turn	200077	.,	.57.00	.,	.,	0.00	0.00	0.0
5,331.42	27.21	268.271	4,953.00	-137.52	-1,703.16	1,371.30	10.00	7.02	15.9
MNCS D	L. (. L.)	200.271	.,		.,	.,	10.00	1.02	10.0
5,350.00	20 57	270.975	4,969.42	127 50	1 711 04	1,378.64	10.00	7.33	14.5
5,350.00	28.57 32.46	270.975	4,969.42 5,012.50	-137.58 -135.70	-1,711.84	1,378.64	10.00	7.33	14.5
					-1,737.13		10.00		
5,450.00	36.59	282.150	5,053.69	-130.88	-1,765.03	1,427.29		8.27	9.9
5,459.15	37.37	282.955	5,061.00	-129.68	-1,770.40	1,432.48	10.00	8.49	8.7
MNCS_E									
5,500.00	40.90	286.225	5,092.68	-123.16	-1,795.33	1,457.08	10.00	8.63	8.0
5,550.00	45.32	289.641	5,129.18	-112.61	-1,827.81	1,490.21	10.00	8.85	6.8
5,555.45	45.81	289.981	5,133.00	-111.29	-1,831.47	1,494.02	10.00	8.95	6.2
MNCS_F									
5,600.00	49.83	292.567	5,162.91	-99.29	-1,862.22	1,526.44	10.00	9.03	5.8
5,650.00	54.41	295.125	5,193.60	-83.32	-1,898.28	1,565.50	10.00	9.15	5.1
5,680.98	57.26	296.566	5,211.00	-72.14	-1,921.35	1,505.50	10.00	9.23	4.6
	57.20	200.000	0,211.00	-72.14	-1,021.00	1,030.30	10.00	0.20	4.0
MNCS_G	50.00	207 405	E 224 04	64.04	1 005 74	1 607 07	10.00	0.07	4.4
5,700.00	59.03	297.405	5,221.04	-64.81	-1,935.74	1,607.07	10.00	9.27	4.4
5,750.00	63.69	299.473	5,245.00	-43.91	-1,974.31	1,650.85	10.00	9.32	4.14

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Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project: Site:	San Juan County, New Mexico NAD83 NM W Nageezi Unit (213, 214, 215, 216, 217 & 218)	MD Reference: North Reference:	RKB=6826+25 @ 6851.00ft Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,763.85	64.98	300.016	5,251.00	-37.71	-1,985.15	1,663.33	10.00	9.36	3.92
MNCS_H					- And and a second of the				
5.800.00	68.37	301.380	5,265.31	-20.76	-2,013.68	1,696.51	10.00	9.38	3.78
5,817.29	70.00	302.010	5,271.45	-12.27	-2,027.43	1,712.67	10.00	9.40	3.64
1999 B23 201 B2 202 PC	.29 MD 5271.45				And Chevrolitical States,	199 4 11 - 44204943448			
5,850.00	73.27	302.010	5,281.76	4.18	-2,053.75	1,743.71	10.00	10.00	0.00
5,865.44	74.82	302.010	5,286.00	12.05	-2,066.34	1,758.55	10.00	10.00	0.00
MNCS_I									
5,900.00	78.27	302.010	5,294.04	29.86	-2,094.84	1,792.16	10.00	10.00	0.00
5,917.29	80.00	302.010	5,297.30	38.86	-2,109.24	1,809.14	10.00	10.00	0.00
7" Intermedi	iate Casing								
5,950.00	83.27	302.010	5,302.06	56.02	-2,136.67	1,841.50	10.00	10.00	0.00
6,000.00	88.27	302.010	5,305.74	82.44	-2,178.94	1,891.35	10.00	10.00	0.00
6,017.29	90.00	302.010	5,306.00	91.60	-2,193.60	1,908.63	10.00	10.00	0.00
Begin 90.00		The second s		11 Day and 11 to 100 to MAA		and a state growthe summary	2 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	Na el cola cador	
6,100.00	90.00	302.010	5,306.00	135.44	-2,263.74	1,991.34	0.00	0.00	0.00
6,200.00	90.00	302.010	5,306.00	188.45	-2,348.53	2,091.34	0.00	0.00	0.00
6,300.00	90.00	302.010	5,306.00	241.46	-2,433.33	2,191.34	0.00	0.00	0.00
6,400.00	90.00	302.010	5,306.00	294.46	-2,518.12	2,291.34	0.00	0.00	0.00
6,500.00	90.00	302.010	5,306.00	347.47	-2,602.92	2,391.34	0.00	0.00	0.00
6,600.00	90.00	302.010	5,306.00	400.48	-2,687.72	2,491.34	0.00	0.00	0.00
6,700.00	90.00	302.010	5,306.00	453.48	-2,772.51	2,591.34	0.00	0.00	0.00
6,800.00	90.00	302.010	5,306.00	506.49	-2,857.31	2,691.34	0.00	0.00	0.00
6,900.00	90.00	302.010	5,306.00	559.50	-2,942.10	2,791.34	0.00	0.00	0.00
7,000.00	90.00	302.010	5,306.00	612.50	-3,026.90	2,891.34	0.00	0.00	0.00
7,100.00	90.00	302.010	5,306.00	665.51	-3,111.69	2,991.34	0.00	0.00	0.00
7,200.00	90.00	302.010	5,306.00	718.52	-3,196.49	3,091.34	0.00	0.00	0.00
7,300.00	90.00	302.010	5,306.00	771.52	-3,281.28	3,191.34	0.00	0.00	0.00
7,400.00	90.00	302.010	5,306.00	824.53	-3,366.08	3,291.34	0.00	0.00	0.00
7,500.00	90.00	302.010	5,306.00	877.54	-3,450.88	3,391.34	0.00	0.00	0.00
7,600.00	90.00	302.010	5,306.00	930.54	-3,535.67	3,491.34	0.00	0.00	0.00
7,700.00	90.00	302.010	5,306.00	983.55	-3,620.47	3,591.34	0.00	0.00	0.00
7,800.00	90.00	302.010	5,306.00	1,036.56	-3,705.26	3,691.34	0.00	0.00	0.00
7,900.00	90.00	302.010	5,306.00	1,089.56	-3,790.06	3,791.34	0.00	0.00	0.00
8,000.00	90.00	302.010	5,306.00	1,142.57	-3,874.85	3,891.34	0.00	0.00	0.00
8,100.00	90.00	302.010	5,306.00	1,195.58	-3,959.65	3,991.34	0.00	0.00	0.00
8,200.00	90.00	302.010	5,306.00	1,248.58	-4,044.45	4,091.34	0.00	0.00	0.00
8,300.00	90.00	302.010	5,306.00	1,301.59	-4,129.24	4,191.34	0.00	0.00	0.00
8,400.00	90.00	302.010	5,306.00	1,354.60	-4,214.04	4,291.34	0.00	0.00	0.00
8,500.00	90.00	302.010	5,306.00	1,407.60	-4,298.83	4,391.34	0.00	0.00	0.00
8,600.00	90.00	302.010	5,306.00	1,460.61	-4,383.63	4,491.34	0.00	0.00	0.00
8,700.00	90.00	302.010	5,306.00	1,513.62	-4,468.42	4,591.34	0.00	0.00	0.00
8,800.00	90.00	302.010	5,306.00	1,566.62	-4,553.22	4,691.34	0.00	0.00	0.00
8,900.00	90.00	302.010	5,306.00	1,619.63	-4,638.01	4,791.34	0.00	0.00	0.00
9,000.00	90.00	302.010	5,306.00	1,672.64	-4,722.81	4,891.34	0.00	0.00	0.00
9,100.00	90.00	302.010	5,306.00	1,725.64	-4,807.61	4,991.34	0.00	0.00	0.00
9,200.00	90.00	302.010	5,306.00	1,778.65	-4,892.40	5,091.34	0.00	0.00	0.00
9,300.00	90.00	302.010	5,306.00	1,831.66	-4,977.20	5,191.34	0.00	0.00	0.00
9,400.00	90.00	302.010	5,306.00	1,884.66	-5,061.99	5,291.34	0.00	0.00	0.00
9,500.00	90.00	302.010	5,306.00	1,937.67	-5,146.79	5,391.34	0.00	0.00	0.00
9,600.00	90.00	302.010	5,306.00	1,990.68	-5,231.58	5,491.34	0.00	0.00	0.00
9,700.00	90.00	302.010	5,306.00	2,043.68	-5,316.38	5,591.34	0.00	0.00	0.00
9,800.00	90.00	302.010	5,306.00	2,096.69	-5,401.18	5,691.34	0.00	0.00	0.00

4/12/2024 12:48:49PM



Database:	DT Mar1724 v17	Local Co-ordinate Reference:	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

9.900.00 900.00 302.010 5.306.00 2.149.70 5.671.54 0.00 0.00 0.00 10.000.00 90.00 302.010 5.306.00 2.2257.11 -5.655.56 5.991.34 0.00 0.00 0.00 10.300.00 90.00 302.010 5.306.00 2.2257.11 -5.655.56 5.991.34 0.00 0.00 0.00 10.300.00 90.00 302.010 5.306.00 2.2417.12 -5.865.56 5.991.34 0.00 0.00 0.00 10.800.00 90.00 302.010 5.306.00 2.573.75 -6.714.34 6.691.34 0.00 0.00 0.00 10.800.00 90.00 302.010 5.306.00 2.757.75 -6.813.34 0.00 0.00 0.00 11.800.00 90.00 302.010 5.306.00 2.782.77 -6.813.34 0.00 0.00 0.00 11.800.00 90.00 302.010 5.306.00 2.873.75 -6.813.34 0.00 0.00 0.00 11.80	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)
100.00 90.00 302.010 5,306.00 2,225.71 -6,655.85 5,991.34 0.00 0.00 0.00 13.200.00 90.00 332.010 5,306.00 2,381.72 -5,742.515 6,191.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5,306.00 2,447.74 -5,909.54 6,491.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5,306.00 2,467.74 -6,591.34 0.00 0.00 0.00 11.500.00 90.00 302.010 5,306.00 2,767.76 -6,433.33 6,671.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5,306.00 2,787.76 -6,467.211 7,191.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5,306.00 2,887.70 7,231.34 0.00 0.00 0.00 11.800.00 302.010 5,306.00 2,887.70 7,231.34 0.00 0.00 0.00 11.800.	9,900.00	90.00	302.010	5,306.00	2,149.70	-5,485.97	5,791.34	0.00	0.00	0.00
10.200.00 90.00 302.010 5.36.60 2.387.22 5.74.036 6.001.34 0.00 0.00 0.00 10.300.00 90.00 302.010 5.36.60 2.414.73 -5.509.95 5.211.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5.306.00 2.477.4 -5.509.95 6.491.34 0.00 0.00 0.00 10.600.00 90.00 302.010 5.306.00 2.673.75 -6.164.34 6.591.34 0.00 0.00 0.00 10.800.00 90.00 302.010 5.306.00 2.673.76 -6.444.31 6.891.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.267.76 -6.481.27 6.591.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.267.76 -6.453.32 6.591.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.2681.79 7.411.41 0.00	10,000.00	90.00	302.010	5,306.00	2,202.70	-5,570.77	5,891.34	0.00	0.00	0.00
10.300.00 90.00 302.010 5.306.00 2.381.73 -5.825.15 6.191.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5.306.00 2.447.74 -5.909.96 6.291.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5.306.00 2.573.75 6.161.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5.306.00 2.573.75 6.161.434 6.591.34 0.00 0.00 0.00 11.800.00 90.00 302.010 5.306.00 2.572.77 6.141.87 6.891.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.785.78 -6.503.52 6.981.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.785.78 -6.503.52 6.981.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 3.787.73 7.721.34 0.00 0.00 <td< td=""><td>10,100.00</td><td>90.00</td><td>302.010</td><td>5,306.00</td><td>2,255.71</td><td>-5,655.56</td><td>5,991.34</td><td>0.00</td><td>0.00</td><td>0.00</td></td<>	10,100.00	90.00	302.010	5,306.00	2,255.71	-5,655.56	5,991.34	0.00	0.00	0.00
10.400.00 90.00 302.010 5.306.00 2.447.74 -5.909.85 6.291.34 0.00 0.00 0.00 10.500.00 90.00 302.010 5.306.00 2.467.74 -5.909.85 6.491.34 0.00 0.00 0.00 10.600.00 90.00 302.010 5.306.00 2.573.75 6.141.44 6.591.34 0.00 0.00 0.00 10.800.00 90.00 302.010 5.306.00 2.782.77 6.418.72 6.691.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.782.77 7.6.418.72 6.691.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 2.838.78 4.5898.31 7.011.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 3.978.00 6.681.21 7.011.34 0.00 0.00 0.00 11.900.00 90.00 302.010 5.306.00 3.978.00 6.677.97 7.681.34	10,200.00	90.00	302.010	5,306.00	2,308.72	-5,740.36	6,091.34		0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,300.00	90.00	302.010	5,306.00	2,361.72	-5,825.15	6,191.34	0.00	0.00	0.00
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10,400.00	90.00	302.010	5,306.00	2,414.73	-5,909.95	6,291.34	0.00	0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,500.00	90.00	302.010	5,306.00	2,467.74	-5,994.74	6,391.34	0.00	0.00	0.00
10.800.00 90.00 302.010 5.306.00 2.627.6 +6.244.13 6.691.34 0.00 0.00 0.00 11.000.00 90.00 302.010 5.306.00 2.732.77 +6.418.72 6.891.34 0.00 0.00 0.00 11.000.00 90.00 302.010 5.306.00 2.785.78 +6.503.52 6.891.34 0.00 0.00 0.00 11.200.00 90.00 302.010 5.306.00 2.881.78 +6.586.31 7.091.34 0.00 0.00 0.00 0.00 11.400.00 90.00 302.010 5.306.00 2.897.80 +6.942.75 7.391.34 0.00 0.00 0.00 11.600.00 90.00 302.010 5.306.00 3.103.82 -7.012.29 7.591.34 0.00	10,600.00	90.00	302.010	5,306.00	2,520.74	-6,079.54	6,491.34	0.00	0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,700.00	90.00	302.010	5,306.00	2,573.75	-6,164.34	6,591.34	0.00	0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,800.00	90.00	302.010	5,306.00	2,626.76	-6,249.13	6,691.34	0.00	0.00	0.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,900.00	90.00	302.010	5,306.00	2,679.76	-6,333.93	6,791.34	0.00	0.00	0.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11,000.00	90.00	302.010	5,306.00	2,732.77	-6,418.72	6,891.34	0.00	0.00	0.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11,100.00	90.00	302.010	5,306.00	2,785.78	-6,503.52	6,991.34	0.00	0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	11,200.00	90.00	302.010	5,306.00	2,838.78	-6,588.31	7,091.34	0.00	0.00	0.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11,300.00	90.00	302.010	5,306.00	2,891.79	-6,673.11	7,191.34	0.00	0.00	0.00
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11,400.00	90.00	302.010	5,306.00	2,944.80	-6,757.90	7,291.34	0.00	0.00	0.00
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	11,700.00	90.00	302.010	5,306.00	3,103.82	-7,012.29	7,591.34	0.00	0.00	0.00
$\begin{array}{cccccccccccccccccccccccccccccccccccc$										
$\begin{array}{cccccccccccccccccccccccccccccccccccc$										
12,100.00 90.00 302.010 5,306.00 3,315.84 -7,351.47 7,991.34 0.00 0.00 0.00 12,200.00 90.00 302.010 5,306.00 3,488.85 -7,456.27 8,091.34 0.00 0.00 0.00 12,400.00 90.00 302.010 5,306.00 3,474.86 -7,651.86 8,291.34 0.00 0.00 0.00 12,600.00 90.00 302.010 5,306.00 3,633.88 -7,7654.86 8,391.34 0.00 0.00 0.00 12,600.00 90.00 302.010 5,306.00 3,633.88 -7,860.25 8,591.34 0.00 0.00 0.00 12,800.00 90.00 302.010 5,306.00 3,792.90 -8,114.63 8,891.34 0.00 0.00 0.00 12,800.00 90.00 302.010 5,306.00 3,792.90 -8,114.63 8,891.34 0.00 0.00 0.00 13,000.0 90.00 302.010 5,306.00 3,792.90 -8,114.63 8,891.34										
12.300.00 90.00 302.010 5.306.00 3.474.86 -7.521.07 8.191.34 0.00 0.00 0.00 12.400.00 90.00 302.010 5.306.00 3.474.86 -7.690.66 8.291.34 0.00 0.00 0.00 12.600.00 90.00 302.010 5.306.00 3.580.88 -7.775.45 8.491.34 0.00 0.00 0.00 12.600.00 90.00 302.010 5.306.00 3.633.88 -7.775.45 8.491.34 0.00 0.00 0.00 12.600.00 90.00 302.010 5.306.00 3.739.90 -8.029.84 8.791.34 0.00 0.00 0.00 13.000.00 90.00 302.010 5.306.00 3.792.90 -8.114.63 8.891.34 0.00 0.00 0.00 13.000.00 90.00 302.010 5.306.00 3.951.92 -8.284.23 9.091.34 0.00 0.00 0.00 13.000.00 90.00 302.010 5.306.00 4.057.93 -8.538.61 9.391.34										
12,300.00 90.00 302.010 5,306.00 3,474.86 -7,521.07 8,191.34 0.00 0.00 0.00 12,400.00 90.00 302.010 5,306.00 3,474.86 -7,690.66 8,391.34 0.00 0.00 0.00 12,600.00 90.00 302.010 5,306.00 3,580.88 -7,775.45 8,491.34 0.00 0.00 0.00 12,600.00 90.00 302.010 5,306.00 3,633.88 -7,845.04 8,691.34 0.00 0.00 0.00 12,800.00 90.00 302.010 5,306.00 3,739.90 -8,029.84 8,791.34 0.00 0.00 0.00 13,000.00 90.00 302.010 5,306.00 3,782.90 -8,114.63 8,891.34 0.00 0.00 0.00 13,000.00 90.00 302.010 5,306.00 3,981.91 -8,284.23 9,091.34 0.00 0.00 0.00 13,000.00 90.00 302.010 5,306.00 4,105.95 -8,538.61 9,391.34	12,200.00	90.00	302.010	5,306.00	3,368.85	-7,436.27	8,091.34	0.00	0.00	0.00
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										
12,500.00 90.00 302,010 5,306.00 3,527,87 7,600.66 8,391.34 0.00 0.00 0.00 12,600.00 90.00 302,010 5,306.00 3,580.88 -7,775.45 8,491.34 0.00 0.00 0.00 12,700.00 90.00 302,010 5,306.00 3,633.88 -7,860.25 8,591.34 0.00 0.00 0.00 12,800.00 90.00 302,010 5,306.00 3,792.90 -8,028.44 8,911.34 0.00 0.00 0.00 13,000.00 90.00 302,010 5,306.00 3,782.90 -8,144.63 8,991.34 0.00 0.00 0.00 13,000.00 90.00 302,010 5,306.00 3,951.92 -8,690.29 9,191.34 0.00 0.00 0.00 13,400.00 90.00 302,010 5,306.00 4,57.93 -8,538.61 9,391.34 0.00 0.00 0.00 13,600.00 90.00 302,010 5,306.00 4,163.95 -8,783.00 9,591.34										
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	15,200.00	90.00	302.010	5,306.00	4,959.05	-9,980.14	11,091.34	0.00	0.00	0.00

4/12/2024 12:48:49PM

COMPASS 5000.17 Build 02



Database:	DT Mar1724 v17	Local Co-ordinate Reference:	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
and the second sec			Minimum Curvature
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,300.00	90.00	302.010	5,306.00	5,012.05	-10,064.93	11,191.34	0.00	0.00	0.00
15,400.00	90.00	302.010	5,306.00	5,065.06	-10,149.73	11,291.34	0.00	0.00	0.00
15,500.00	90.00	302.010	5,306.00	5,118.07	-10,234.53	11,391.34	0.00	0.00	0.00
15,600.00	90.00	302.010	5,306.00	5,171.07	-10,319.32	11,491.34	0.00	0.00	0.00
15,700.00	90.00	302.010	5,306.00	5,224.08	-10,404.12	11,591.34	0.00	0.00	0.00
15,800.00	90.00	302.010	5,306.00	5,277.09	-10,488.91	11,691.34	0.00	0.00	0.00
15,900.00	90.00	302.010	5,306.00	5,330.09	-10,573.71	11,791.34	0.00	0.00	0.00
16,000.00	90.00	302.010	5,306.00	5,383.10	-10,658.50	11,891.34	0.00	0.00	0.00
16,100.00	90.00	302.010	5,306.00	5,436.11	-10,743.30	11,991.34	0.00	0.00	0.00
16,200.00	90.00	302.010	5,306.00	5,489.11	-10,828.09	12,091.34	0.00	0.00	0.00
16,300.00	90.00	302.010	5,306.00	5,542.12	-10,912.89	12,191.34	0.00	0.00	0.00
16,400.00	90.00	302.010	5,306.00	5,595.13	-10,997.69	12,291.34	0.00	0.00	0.00
16,500.00	90.00	302.010	5,306.00	5,648.13	-11,082.48	12,391.34	0.00	0.00	0.00
16,523.18	90.00	302.010	5,306.00	5,660.42	-11,102.14	12,414.53	0.00	0.00	0.00

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	9-5/8" Surface Casing	9-5/8	12-1/4
5,917.29	5,297.30	7" Intermediate Casing	7	8-1/2

Formations

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



Database:	DT_Mar1724_v17	Local Co-ordinate Reference:	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

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



Database: Company: Project: Site: Well: Wellbore: Design:	DT_Mar1724_v17 Enduring Resources LLC San Juan County, New Mexico NAD83 NM W Nageezi Unit (213, 214, 215, 216, 217 & 218) Nageezi Unit 216H Original Hole rev0			Local Co-ordinate Reference:Well Nageezi Unit 216HTVD Reference:RKB=6826+25 @ 6851MD Reference:RKB=6826+25 @ 6851North Reference:GridSurvey Calculation Method:Minimum Curvature		@ 6851.00ft @ 6851.00ft				
Project	San Juan Co	ounty, Nev	/ Mexico NAD8	3 NM W						
Geo Datum:	US State Plane 1983 North American Datum 1983 New Mexico Western Zone				System Datum: Mean Sea Level					
Site	Nageezi Unit	(213, 214	4, 215, 216, 21	7 & 218)						
Site Position: From: Position Uncertainty:	Lat/Long	0.00 fi	Northir Easting Slot Ra	j:	2,743,1	205.14 usft 40.65 usft 3-3/16 "	Latitude: Longitude:			36.28268900 -107.76530800
Well	Nageezi Unit	216H, Su	rf loc: 1742 FS	769 FWL Sec	tion 26-T24N	-R09W				
Well Position Position Uncertainty Grid Convergence:	+N/-S +E/-W	0.0	0 ft Eas 0 ft We	thing: ting: Ilhead Elevatio	n:	1,922,223.71 2,743,148.30	usft Lo	titude: ongitude: ound Level:		36.28274000 -107.76528200 6,826.00 ft
Wellbore	Original Hole	е								
Magnetics	Model N		Sample		Declina (°)			Angle (°)	(r	Strength nT)
	IG	SRF2020		2/8/2024		8.53		62.73	49,0	66.02054885
Design	rev0									
Audit Notes:										
Version:			Phase	: PL	AN	Tie	On Depth:		0.00	
Vertical Section:		D	epth From (TV (ft)	D)	+N/-S (ft)		/-W ft)		ection (°)	
			0.00		0.00	0.	00	30	2.010	
Plan Survey Tool Pro Depth From (ft) 1 0.00	Depth To (ft)		4/12/2024 (Wellbore) iginal Hole)	1	Tool Name MWD DWSG MWD -	- Standard	Remarks			
Plan Sactions										
Measured Depth Inclin		nuth °)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
Depth Inclin (ft) (* 0.00 1,000.00	°) (0.00 0.00	°) 0.000 0.000	Depth (ft) 0.00 1,000.00	(ft) 0.00 0.00		Rate (°/100ft) 0.00 0.00	Rate (°/100ft) 0.00 0.00	Rate (°/100ft) 0 0.00 0 0.00	(°) 0.00 0.00	Target
Measured Depth Inclin (ft) (*	°) (0.00 25.93 2 25.93 2 70.00 3	°) 0.000	Depth (ft) 0.00	(ft) 0.00	(ft) 0.00 0.00	Rate (°/100ft) 0.00	Rate (°/ 100ft) 0.00	Rate (°/100ft) 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 7.27	(°) 0.00 0.00 265.38 0.00	Target Nageezi 216H PPP/P

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Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
100.00	0.00	0.000	100.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
200.00	0.00	0.000	200.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
300.00	0.00	0.000	300.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
350.00	0.00	0.000	350.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
9-5/8" Su	rface Casing								
400.00	0.00	0.000	400.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
500.00	0.00	0.000	500.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
600.00	0.00	0.000	600.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
700.00	0.00	0.000	700.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
800.00	0.00	0.000	800.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
831.00	0.00	0.000	831.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
Ojo Alam	0								
900.00	0.00	0.000	900.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
956.00	0.00	0.000	956.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
Kirtland									
1,000.00	0.00	0.000	1,000.00	0.00	0.00	1,922,223.71	2,743,148.30	36.28274000	-107.76528200
	in 3°/100' bui								
1,100.00	3.00	265.377	1,099.95	-0.21	-2.61	1,922,223.49	2,743,145.69	36.28273943	-107.76529086
1,200.00	6.00	265.377	1,199.63	-0.84	-10.43	1,922,222.86	2,743,137.87	36.28273770	-107.76531739
1,246.69	7.40	265.377	1,246.00	-1.28	-15.86	1,922,222.42	2,743,132.44	36.28273651	-107.76533581
Fruitland							-1 -1		
1,300.00	9.00	265.377	1,298.77	-1.90	-23.44	1,922,221.81	2,743,124.86	36.28273484	-107.76536153
1,400.00	12.00	265.377	1,397.08	-3.36	-41.60	1,922,220.34	2,743,106.70	36.28273084	-107.76542316
1,500.00	15.00	265.377	1,494.31	-5.25	-64.87	1,922,218.46	2,743,083.43	36.28272572	-107.76550210
1,600.00	18.00	265.377	1,590.18	-7.53	-93.17	1,922,216.17	2,743,055.13	36.28271948	-107.76559815
1,600.86	18.03	265.377	1,591.00	-7.56	-93.44	1,922,216.15	2,743,054.86	36.28271942	-107.76559905
Pictured									
1,700.00	21.00	265.377	1,684.43	-10.23	-126.44	1,922,213.48	2,743,021.86	36.28271215	-107.76571103
1,717.78	21.53	265.377	1,701.00	-10.74	-132.87	1,922,212.96	2,743,015.43	36.28271074	-107.76573284
Lewis						C. # 3994 C. S. 29# C. SCATOLOGO AL 2014			
1,800.00	24.00	265.377	1,776.81	-13.31	-164.58	1,922,210.40	2,742,983.72	36.28270375	-107.76584044
1,864.45	25.93	265.377	1,835.23	-15.50	-191.69	1,922,208.20	2,742,956.61	36.28269778	-107.76593245
	.93° tangent					ar a			
1,900.00	25.93	265.377	1,867.20	-16.76	-207.19	1,922,206.95	2,742,941.11	36.28269437	-107.76598503
2,000.00	25.93	265.377	1,957.13	-20.28	-250.78	1,922,203.43	2,742,897.52	36.28268477	-107.76613294
2,048.78	25.93	265.377	2,001.00	-22.00	-272.04	1,922,201.71	2,742,876.26	36.28268009	-107.76620508
Chacra_A			191						
2,100.00	25.93	265.377	2,047.06	-23.81	-294.37	1,922,199.90	2,742,853.93	36.28267517	-107.76628084
2,200.00	25.93	265.377	2,137.00	-27.33	-337.96	1,922,196.37	2,742,810.34	36.28266557	-107.76642875
2,300.00	25.93	265.377	2,226.93	-30.86	-381.55	1,922,192.85	2,742,766.75	36.28265597	-107.76657666
2,400.00	25.93	265.377	2,316.86	-34.38	-425.14	1,922,189.32	2,742,723.16	36.28264637	-107.76672457
2,500.00	25.93	265.377	2,406.79	-37.91	-468.73	1,922,185.80	2,742,679.57	36.28263676	-107.76687248
2,600.00	25.93	265.377	2,496.72	-41.43	-512.32	1,922,182.27	2,742,635.98	36.28262716	-107.76702039
2,700.00	25.93	265.377	2,586.65	-44.96	-555.91	1,922,178.75	2,742,592.39	36.28261756	-107.76716829
2,800.00	25.93	265.377	2,676.58	-48.48	-599.50	1,922,175.22	2,742,548.80	36.28260796	-107.76731620
2,900.00	25.93	265.377	2,766.51	-52.01	-643.09	1,922,171.70	2,742,505.21	36.28259836	-107.76746411
3,000.00	25.93	265.377	2,856.44	-55.53	-686.68	1,922,168.17	2,742,461.62	36.28258875	-107.76761202
3,100.00	25.93	265.377	2,946.37	-59.06	-730.27	1,922,164.65	2,742,418.03	36.28257915	-107.76775993
3,200.00	25.93	265.377	3,036.30	-62.58	-773.87	1,922,161.12	2,742,374.44	36.28256955	-107.76790784
3,260.83	25.93	265.377	3,091.00	-64.73	-800.38	1,922,158.98	2,742,347.92	36.28256371	-107.76799780
	se Basal								

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Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

I	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
	3,294.19	25.93	265.377	3,121.00	-65.90	-814.92	1,922,157.80	2,742,333.38	36.28256050	-107.76804715
	Menefee	20.90	205.577	5,121.00	-03.90	-014.92	1,922,107.00	2,742,333.30	50.20250050	-107.70004713
	3,300.00	25.93	265.377	3,126.23	-66.11	-817.46	1,922,157.60	2,742,330.84	36.28255994	-107.76805574
	3,400.00	25.93	265.377	3,216.16	-69.63	-861.05	1,922,154.07	2,742,287.25	36.28255034	-107.76820365
	3,500.00	25.93	265.377	3,306.09	-73.16	-904.64	1,922,150.55	2,742,243.66	36.28254074	-107.76835156
	3,600.00	25.93	265.377	3,396.02	-76.68	-948.23	1,922,147.02	2,742,200.07	36.28253113	-107.76849947
	3,700.00	25.93	265.377	3,485.95	-80.21	-991.82	1,922,143.50	2,742,156.48	36.28252153	-107.76864738
	3,800.00	25.93	265.377	3,575.88	-83.73	-1,035.41	1,922,139.97	2,742,112.89	36.28251193	-107.76879528
	3,900.00	25.93	265.377	3,665.81	-87.26	-1,079.00	1,922,136.45	2,742,069.30	36.28250232	-107.76894319
	4,000.00	25.93	265.377	3,755.74	-90.78	-1,122.59	1,922,132.92	2,742,025.71	36.28249272	-107.76909110
	4,100.00	25.93	265.377	3,845.67	-94.31	-1,166.18	1,922,129.40	2,741,982.12	36.28248311	-107.76923901
	4,200.00	25.93	265.377	3,935.60	-97.83	-1,209.77	1,922,125.87	2,741,938.53	36.28247351	-107.76938691
	4,300.00	25.93	265.377	4,025.53	-101.36	-1,253.36	1,922,122.35	2,741,894.94	36.28246390	-107.76953482
	4,328.32	25.93	265.377	4,051.00	-102.36	-1,265.71	1,922,121.35	2,741,882.60	36.28246118	-107.76957671
	Point Lo	okout								
	4,400.00	25.93	265.377	4,115.46	-104.88	-1,296.95	1,922,118.82	2,741,851.35	36.28245430	-107.76968273
	4,500.00	25.93	265.377	4,205.39	-108.41	-1,340.54	1,922,115.30	2,741,807.76	36.28244469	-107.76983064
	4,547.38	25.93	265.377	4,248.00	-110.08	-1,361.20	1,922,113.63	2,741,787.11	36.28244014	-107.76990072
	Mancos									
	4,600.00	25.93	265.377	4,295.32	-111.94	-1,384.13	1,922,111.77	2,741,764.17	36.28243509	-107.76997855
	4,700.00	25.93	265.377	4,385.25	-115.46	-1,427.72	1,922,108.25	2,741,720.58	36.28242548	-107.77012645
	4,800.00	25.93	265.377	4,475.18	-118.99	-1,471.31	1,922,104.72	2,741,676.99	36.28241588	-107.77027436
	4,900.00	25.93	265.377	4,565.11	-122.51	-1,514.90	1,922,101.20	2,741,633.40	36.28240627	-107.77042227
	4,934.35	25.93	265.377	4,596.00	-123.72	-1,529.88	1,922,099.98	2,741,618.43	36.28240297	-107.77047307
	MNCS_A									
	5,000.00	25.93	265.377	4,655.04	-126.04	-1,558.49	1,922,097.67	2,741,589.81	36.28239666	-107.77057018
	5,031.09	25.93	265.377	4,683.00	-127.13	-1,572.05	1,922,096.57	2,741,576.26	36.28239368	-107.77061616
	MNCS B									
	5,100.00	25.93	265.377	4,744.97	-129.56	-1,602.08	1,922,094.15	2,741,546.22	36.28238706	-107.77071808
	5,148.96	25.93	265.377	4,789.00	-131.29	-1,623.43	1,922,092.42	2,741,524.88	36.28238236	-107.77079050
	MNCS_C									
	5,197.89	25.93	265.377	4,833.00	-133.01	-1,644.75	1,922,090.69	2,741,503.55	36.28237766	-107.77086286
	MNCS C	ms								
_	5,200.00	25.93	265.377	4,834.90	-133.09	-1,645.67	1,922,090.62	2,741,502.63	36.28237745	-107.77086599
	5,300.00	25.93	265.377	4,924.83	-136.61	-1,689.27	1,922,087.09	2,741,459.04	36.28236785	-107.77101390
	5,313.24	25.93	265.377	4,936.74	-137.08	-1,695.04	1,922,086.63	2,741,453.27	36.28236657	-107.77103347
	Begin 10	°/100' build/tu	ırn							
	5,331.42	27.21	268.271	4,953.00	-137.52	-1,703.16	1,922,086.18	2,741,445.15	36.28236536	-107.77106103
	MNCS_D									
	5,350.00	28.57	270.975	4,969.42	-137.58	-1,711.84	1,922,086.13	2,741,436.46	36.28236523	-107.77109051
	5,400.00	32.46	277.178	5,012.50	-135.70	-1,737.13	1,922,088.01	2,741,411.17	36.28237045	-107.77117629
	5,450.00	36.59	282.150	5,053.69	-130.88	-1,765.03	1,922,092.83	2,741,383.27	36.28238373	-107.77127094
	5,459.15	37.37	282.955	5,061.00	-129.68	-1,770.40	1,922,094.02	2,741,377.90	36.28238702	-107.77128917
	MNCS_E									
	5,500.00	40.90	286.225	5,092.68	-123.16	-1,795.33	1,922,100.54	2,741,352.97	36.28240497	-107.77137375
	5,550.00	45.32	289.641	5,129.18	-112.61	-1,827.81	1,922,111.10	2,741,320.49	36.28243403	-107.77148392
	5,555.45	45.81	289.981	5,133.00	-111.29	-1,831.47	1,922,112.42	2,741,316.83	36.28243766	-107.77149635
	MNCS_F									
	5,600.00	49.83	292.567	5,162.91	-99.29	-1,862.22	1,922,124.41	2,741,286.09	36.28247066	-107.77160063
	5,650.00	54.41	295.125	5,193.60	-83.32	-1,898.28	1,922,140.39	2,741,250.02	36.28251461	-107.77172297
	5,680.98	57.26	296.566	5,211.00	-72.14	-1,921.35	1,922,151.56	2,741,226.96	36.28254535	-107.77180120
	MNCS G	i								
	5,700.00	59.03	297.405	5,221.04	-64.81	-1,935.74	1,922,158.89	2,741,212.56	36.28256552	-107.77185003

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Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project: Site:	San Juan County, New Mexico NAD83 NM W Nageezi Unit (213, 214, 215, 216, 217 & 218)	MD Reference: North Reference:	RKB=6826+25 @ 6851.00ft Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

5.750.00 63.69 209.473 5.245.00 -43.91 -1.974.31 1.922.170.80 2.741.173.99 36.282824005 -107.7196083 5.753.85 64.83 300.016 5.251.00 -30.77 -1.985.15 1.922.202.94 2.741.173.62 36.28284005 -107.7721160 5.817.29 0.00 5.271.46 1.227 -0.077.3 36.28275825 -107.7721600 5.865.01 7.37 5.201.01 5.287.60 1.207 -0.083.75 1.922.277.89 2.741.081.65 36.28275825 -107.77225029 5.865.01 7.37 502.010 5.287.00 1.077.723693 38.2822587 2.741.093.65 36.28227789 -107.7723863 5.917.29 8.00 502.010 5.597.02 5.385.00 1.922.279.72 2.741.011.63 36.28289776 -107.77283863 5.917.29 9.00 502.010 5.505.00 156.44 -2.186.67 1.922.279.12 2.741.011.63 36.28289776 -107.7728548 6.000.00 83.27 302.010 5.505.00 156.44 -2.285.74 <th>Measured Depth (ft)</th> <th>Inclination (°)</th> <th>Azimuth (°)</th> <th>Vertical Depth (ft)</th> <th>+N/-S (ft)</th> <th>+E/-W (ft)</th> <th>Map Northing (usft)</th> <th>Map Easting (usft)</th> <th>Latitude</th> <th>Longitude</th>	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,78,365 64,98 300.016 5,251.00 -3,771 -1,985.15 1,922,186.00 2,741,183.15 36,28224005 -107,77214100 5,800.00 68,37 301.380 5,265.31 -20,76 2,0274 1,222,212,42 2,741,124.65 36,28227609 -107,7722409 5,800.00 73,27 302,010 5,271.67 4,16 2,055.75 1,922,227.99 2,741,094.55 36,28227692 -107,77225029 5,865.00 73,27 302.010 5,241.04 2,966 2,064.84 1,922,235.75 2,741,091.95 36,282287024 -107,772285029 5,967.00 73,27 302.010 5,324.04 2,966 2,108.67 1,922,235.75 2,741,011.83 36,28228774 -107,77283464 7.11 7100.00 302.010 5,305.00 184.4 2,178.64 1,922,325.61 2,741.011.83 36,28228774 -107,77283464 5.997.00 80.00 302.010 5,306.00 184.4 2,178.94 1,922,325.13 2,741.011.83 36,2829774 -107,77285464 5.997.00<										-
MNCS, H Second Constraint Second Se										
5.80.00 6.847 301.380 5.265.31 -2.076 -2.017.48 1.922.214.42 2.741.130.87 382.2827100 -107.7721408 5.80.00 73.27 302.010 5.281.76 4.18 -2.007.43 1.922.214.43 2.741.130.87 382.2827100 -107.77215005 5.80.00 73.27 302.010 5.281.76 4.18 -2.065.34 1.922.223.57 2.741.084.85 382.28277689 -107.77229083 5.907.00 78.27 302.010 5.287.30 38.86 -2.094.84 1.922.253.57 2.741.051.46 382.2827582 -107.77239083 5.917.29 80.00 302.010 5.302.06 2.136.67 1.922.279.72 2.741.014.63 382.2821074 -107.77259083 5.600.00 83.27 302.010 5.306.00 91.60 -2.183.60 1.922.715.12 2.741.094.63 382.2821054 -107.7725488 6.010.00 80.00 302.010 5.306.00 19.64 -2.183.61 1.922.471218 2.740.966.33 32.2821016 -107.77256057 6.010.00 302.			300.016	5,251.00	-37.71	-1,965.15	1,922,186.00	2,741,103.15	30.20204005	-107.77201760
5.817.29 70.00 302.2010 5.271.45 1.22.77 2.027.43 1.922.211.43 2.741.120.87 36.28271000 -107.77216100 POE6 5897.200 73.827 302.010 5.281.00 1.22.772802 2.741.041.55 36.28277689 -107.77225029 5.807.00 74.82 302.010 5.284.00 1.205 -2.084.84 1.922.235.75 2.741.031.07 36.28285087 -107.7725903 5.917.29 9.00 302.010 5.284.02 2.193.24 1.922.2753.57 2.741.031.07 36.28285082 -107.7725983 5.917.29 9.00 302.010 5.305.74 82.44 -2.193.44 1.922.279.72 2.741.011.63 36.28289078 -107.77287488 6.017.29 9.00 302.010 5.306.00 188.44 -2.193.64 1.922.215.31 2.740.964.70 36.28299673 -107.77287488 6.017.29 9.00 302.010 5.306.00 188.44 -2.283.74 1.922.365.11 2.740.964.57 36.28311620 -107.7728274 6.200.00 9.00.0 302.			301 380	5 265 31	-20.76	-2 013 68	1 922 202 94	2 741 134 62	36 28268666	-107 77211438
PDE @ 5417.24 M0 5271.45 TVD 5.860.00 73.27 302.2010 5.281.76 4.18 -2.053.75 1.922.227.80 2.741.084.55 302.2827525 -107.77229288 MNCS1 5.917.29 80.00 302.010 5.281.70 2.744.081.96 36.28277689 -107.77229288 S.917.29 80.00 302.010 5.287.30 38.86 -2.108.24 1.922.278.57 2.741.053.46 36.28275825 -107.77239835 5.917.29 80.00 302.010 5.287.30 38.86 -2.108.24 1.922.278.57 2.741.053.46 36.28289778 -107.77239852 5.900.00 83.27 302.010 5.305.00 91.60 -2.178.40 1.922.276.12 2.740.966.33 36.28289078 -107.7728458 6.010.00 80.00 302.010 5.306.00 91.60 -2.178.40 1.922.47515 2.740.966.33 36.2828105 -107.77286247 6.200.00 302.010 5.306.00 19.64 -2.283.74 1.922.47615 2.740.981.73 36.2831620 -107.773506267 6.200.00 300.00										
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5.86.5.44 74.82 302.010 5.286.00 12.05 -2.066.34 1.922.235.76 2.741.051.46 36.28277689 -107.7722828 5.900.00 76.27 302.010 5.297.30 38.86 -2.109.24 1.922.255.57 2.741.053.46 36.28285062 -107.7723863 5.900.00 85.27 302.010 5.307.05 66.02 -2.108.67 1.922.279.72 2.741.011.83 36.28289763 -107.7728486 6.000.00 85.27 302.010 5.306.00 91.60 -2.138.60 1.922.215.31 2.740.984.57 36.28289764 -107.77284788 6.010.00 90.00 302.010 5.306.00 18.44 -2.263.74 1.922.359.15 2.740.845.67 36.28311620 -107.7728206 6.300.00 90.00 302.010 5.306.00 18.44 -2.243.74 1.922.359.15 2.740.845.67 36.28311620 -107.77325066 6.400.00 90.00 302.010 5.306.00 244.46 -2.433.33 1.922.451.18 2.740.748 36.2835444 -107.77426466 6.500.	-			5,281.76	4.18	-2,053.75	1,922,227.89	2,741,094.55	36.28275525	-107.77225029
5.900.0 78.27 302.010 5.244.04 29.86 -2.094.84 1.922.283.57 2.741.039.07 38.28228587 -107.77238486 7' Intermediate Saing - <td>5,865.44</td> <td>74.82</td> <td>302.010</td> <td></td> <td>12.05</td> <td>-2,066.34</td> <td>1,922,235.76</td> <td></td> <td>36.28277689</td> <td>-107.77229298</td>	5,865.44	74.82	302.010		12.05	-2,066.34	1,922,235.76		36.28277689	-107.77229298
5 917.29 80.00 302.010 5,297.30 38.86 -2,109.24 1,322,262.57 2,741,039.07 36.2828062 -107.77243846 7' Intermediate Casing - - - - - - -107.77243846 5.985.00 83.27 302.010 5,305.06 91.60 -2,103.67 1,922,305.14 2,740,995.36 36.28289774 -107.77253756 6.000.00 90.00 302.010 5,306.00 155.44 -2,203.74 1,922,359.15 2,740,8457 36.2837695 -107.77258247 6,100.00 90.00 302.010 5,306.00 184.46 -2,2348.53 1,922,412.16 2,740,714.98 32.838717 -107.77258247 6,300.00 90.00 302.010 5,306.00 244.46 -2,518.12 1922,518.17 2,740,603.18 36.28399073 -107.7741286 6,500.00 90.00 302.010 5,306.00 400.44 -2,887.72 1,922,767.19 2,740,405.59 36.28399073 -107.77418266 6,500.00 90.00 302.010 5,306.00	MNCS_I									
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5.950.00 83.27 302.010 5.302.06 56.02 -2.136.67 1.922.279.72 2.740.016.3 636.28287764 -107.7725182 6.000.00 88.27 302.010 5.306.00 91.60 -2.193.60 1.922.315.31 2.740.954.70 362.8289764 -107.7727488 6.000.00 90.00 302.010 5.306.00 185.44 -2.263.74 1.922.359.15 2.740.984.57 362.8230162 -107.77272458 6.100.00 90.00 302.010 5.306.00 135.44 -2.263.74 1.922.412.16 2.740.984.57 362.8311620 -107.7732506 6.300.00 90.00 302.010 5.306.00 244.46 -2.433.31 1922.465.16 2.740.741.86 362.835449 -107.7732526 6.500.00 90.00 302.010 5.306.00 444.4 -2.787.11 1.922.671.18 2.740.460.59 362.8384498 -107.77418264 6.600.00 90.00 302.010 5.306.00 564.49 -2.267.71 1.922.740.460.59 362.8384498 -107.777536526 7.000.00 9	5,917.29	80.00	302.010	5,297.30	38.86	-2,109.24	1,922,262.57	2,741,039.07	36.28285062	-107.77243846
6,000_00 B8_27 302_010 5,305.74 82_44 -2,178.84 1,922,305.41 2,740,969.36 362,28297044 -107.7727485 6,017.29 90.00 302_010 5,306.00 91.60 -2,193.60 1,922,315.31 2,740,969.36 362,8299663 -107.7727485 6,000.00 90.00 302_010 5,306.00 135.44 -2,243.73 1,922,351.51 2,740,989.36 362,28311620 -107.772950247 6,000.00 90.00 302_010 5,306.00 244.46 -2,418.3 1,922,412.16 2,740,983.45 362,28311620 -107.77353766 6,000.00 90.00 302_010 5,306.00 244.46 -2,418.12 1,922,470.463.38 362,2836972 -107.77441286 6,000.00 90.00 302_010 5,306.00 453.48 -2,772.51 1,922,677.18 2,740,274.03 362,28399073 -107.77456286 7,000.00 90.00 302_010 5,306.00 654.8 -2,857.31 1,922,787.20 2,740,274.03 362,2814984 -107.77555637 7,000.00										
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6 300.00 90.00 302.010 5,306.00 294.46 -2.453.33 1,922.465.16 2,740,714.88 36.28355347 -107.77383766 6,600.00 90.00 302.010 5,306.00 294.46 -2.518.12 1,922,571.18 2.740,453.018 36.2835692 -107.77418266 6,600.00 90.00 302.010 5,306.00 400.44 -2.687.72 1,922,671.18 2.740,465.95 36.28384498 -107.77441004 6,700.00 90.00 302.010 5,306.00 400.44 -2.687.72 1,922,671.18 2.740,375.79 36.28398073 -107.77528326 6,900.00 90.00 302.010 5,306.00 659.50 -2.492.10 1,922,730.20 2.740,214.13 36.28442223 -107.77558376 7,000.00 90.00 302.010 5,306.00 612.50 -3.111.69 1,922,893.21 2.740,121.41 36.28447374 -107.77583848 7,200.00 90.00 302.010 5,306.00 718.52 -3.166.81 1,922,995.23 2.739,867.43 36.28561673 -107.7761308 7.750.000 <td></td>										
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8,200.0090.00302.0105,306.001,248.58-4,044.451,923,472.292,739,103.8636.28617695-107.77902228,300.0090.00302.0105,306.001,301.59-4,129.241,923,525.292,739,019.0736.28632269-107.779289848,400.0090.00302.0105,306.001,354.60-4,214.041,923,578.302,738,934.2736.28646844-107.779577468,500.0090.00302.0105,306.001,407.60-4,298.831,923,631.312,738,649.4836.28661418-107.779665088,600.0090.00302.0105,306.001,460.61-4,383.631,923,631.312,738,679.8836.28690566-107.780452718,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780427968,900.0090.00302.0105,306.001,666.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,672.64-4,722.811,923,843.332,738,455.5036.2874287-107.781052819,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.2874287-107.781303219,100.0090.00302.0105,306.001,776.65-4,892.401,924,002.352,738,455.9136.28763435-107.781303249,200.0090.00302.0105,306.001,776.65-4,892.401,924,002.35 </td <td></td>										
8,300.0090.00302.0105,306.001,301.59-4,129.241,923,525.292,739,019.0736.28632269-107.779289848,400.0090.00302.0105,306.001,354.60-4,214.041,923,578.302,738,934.2736.28646844-107.779577468,500.0090.00302.0105,306.001,407.60-4,298.831,923,631.312,738,849.4836.28661418-107.779665088,600.0090.00302.0105,306.001,460.61-4,383.631,923,684.312,738,764.6836.28675992-107.780152718,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780440338,800.0090.00302.0105,306.001,666.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,672.64-4,722.811,923,843.332,738,451.02936.28719714-107.781015589,000.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28748861-107.781590849,200.0090.00302.0105,306.001,786.5-4,892.401,924,002.352,738,255.9136.28763435-107.781590849,200.0090.00302.0105,306.001,831.66-4,977.201,924,002.352,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,831.66-5,061.991,924,108.3										
8,400.0090.00302.0105,306.001,354.60-4,214.041,923,578.302,738,934.2736.28646844-107.779577468,500.0090.00302.0105,306.001,407.60-4,298.831,923,631.312,738,849.4836.28661418-107.779665088,600.0090.00302.0105,306.001,460.61-4,383.631,923,684.312,738,764.6836.28675992-107.780152718,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780440338,800.0090.00302.0105,306.001,566.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,619.63-4,638.011,923,843.332,738,510.2936.28719714-107.781015589,000.0090.00302.0105,306.001,672.64-4,722.811,923,949.352,738,425.5036.28748861-107.781303219,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28763435-107.781590849,200.0090.00302.0105,306.001,831.66-4,977.201,924,002.352,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.2807155-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.37					the second s	Constraint allows				When Constraints with the Martine Constraints
8,500.0090.00302.0105,306.001,407.60-4,298.831,923,631.312,738,849.4836.28661418-107.779865088,600.0090.00302.0105,306.001,460.61-4,383.631,923,684.312,738,764.6836.28675992-107.780152718,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780440338,800.0090.00302.0105,306.001,566.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,619.63-4,638.011,923,843.332,738,510.2936.28719714-107.781015589,000.0090.00302.0105,306.001,672.64-4,722.811,923,949.352,738,340.7036.28748861-107.781590849,100.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781590849,200.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.2807155-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,11.372,738,001.5236.2807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.38 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>520417.0.40.00424463.4006294531.001</td>										520417.0.40.00424463.4006294531.001
8,600.0090.00302.0105,306.001,460.61-4,383.631,923,684.312,738,764.6836.28675992-107.780152718,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780440338,800.0090.00302.0105,306.001,566.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,619.63-4,638.011,923,843.332,738,510.2936.28719714-107.781015589,000.0090.00302.0105,306.001,672.64-4,722.811,923,949.352,738,425.5036.28734287-107.781303219,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28763435-107.781590849,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.782166109,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.2807155-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.38										
8,700.0090.00302.0105,306.001,513.62-4,468.421,923,737.322,738,679.8836.28690566-107.780440338,800.0090.00302.0105,306.001,566.62-4,553.221,923,790.332,738,595.0936.28705140-107.780727968,900.0090.00302.0105,306.001,619.63-4,638.011,923,843.332,738,510.2936.28719714-107.781015589,000.0090.00302.0105,306.001,672.64-4,722.811,923,949.352,738,425.5036.28734287-107.781303219,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28748861-107.781590849,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781780789,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.2807155-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.2807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.2821729-107.78302899					1,460.61					
8,900.0090.00302.0105,306.001,619.63-4,638.011,923,843.332,738,510.2936.28719714-107.781015589,000.0090.00302.0105,306.001,672.64-4,722.811,923,896.342,738,425.5036.28734287-107.781303219,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28748861-107.781590849,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781878479,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.28792582-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.2821729-107.78302899										
9,000.0090.00302.0105,306.001,672.64-4,722.811,923,896.342,738,425.5036.28734287-107.781303219,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28748861-107.781590849,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781878479,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.28792582-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.28821729-107.78302899	8,800.00	90.00	302.010	5,306.00	1,566.62			2,738,595.09	36.28705140	-107.78072796
9,100.0090.00302.0105,306.001,725.64-4,807.611,923,949.352,738,340.7036.28748861-107.781590849,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781878479,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.28792582-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.28821729-107.78302899										
9,200.0090.00302.0105,306.001,778.65-4,892.401,924,002.352,738,255.9136.28763435-107.781878479,300.0090.00302.0105,306.001,831.66-4,977.201,924,055.362,738,171.1136.28778008-107.782166109,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.28792582-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.28821729-107.78302899										
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9,400.0090.00302.0105,306.001,884.66-5,061.991,924,108.362,738,086.3236.28792582-107.782453739,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.28821729-107.78302899										
9,500.0090.00302.0105,306.001,937.67-5,146.791,924,161.372,738,001.5236.28807155-107.782741369,600.0090.00302.0105,306.001,990.68-5,231.581,924,214.382,737,916.7336.28821729-107.78302899										정말 것도 다섯 만에게 관리하는 것이다.
9,600.00 90.00 302.010 5,306.00 1,990.68 -5,231.58 1,924,214.38 2,737,916.73 36.28821729 -107.78302899										
										Call on the Constraint of the Constraint
a,100.00 a0.00 a02.010 a,a00.00 2,04a.00 -a,a10.ao 1,924,201.ao 2,131,0a1.9a 30.20030302 -107.18331003	9,700.00	90.00	302.010	5,306.00	2,043.68	-5,316.38	1,924,267.38	2,737,831.93	36.28836302	-107.78331663
9,800.00 90.00 302.010 5,306.00 2,096.69 -5,401.18 1,924,320.39 2,737,747.13 36.28850875 -107.78360426	9,800.00	90.00	302.010	5,306.00	2,096.69	-5,401.18	1,924,320.39	2,737,747.13	36.28850875	-107.78360426

4/12/2024 12:48:33PM

COMPASS 5000.17 Build 02



Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project: Site:	San Juan County, New Mexico NAD83 NM W Nageezi Unit (213, 214, 215, 216, 217 & 218)	MD Reference: North Reference:	RKB=6826+25 @ 6851.00ft Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)	Latitude	Longitude
9,900.00	90.00	302.010	5,306.00	2,149.70	-5,485.97	1,924,373.40	2,737,662.34	36.28865448	-107.78389190
10,000.00	90.00	302.010	5,306.00	2,202.70	-5,570.77	1,924,426.40	2,737,577.54	36.28880021	-107.78417954
10,100.00	90.00	302.010	5,306.00	2,255.71	-5,655.56	1,924,479.41	2,737,492.75	36.28894594	-107.78446718
10,200.00	90.00	302.010	5,306.00	2,308.72	-5,740.36	1,924,532.42	2,737,407.95	36.28909167	-107.78475482
10,300.00	90.00	302.010	5,306.00	2,361.72	-5,825.15	1,924,585.42	2,737,323.16	36.28923740	-107.78504246
10,400.00	90.00	302.010	5,306.00	2,414.73	-5,909.95	1,924,638.43	2,737,238.36	36.28938313	-107.78533010
10,500.00	90.00	302.010	5,306.00	2,467.74	-5,994.74	1,924,691.44	2,737,153.57	36.28952886	-107.78561774
10,600.00	90.00	302.010	5,306.00	2,520.74	-6,079.54	1,924,744.44	2,737,068.77	36.28967458	-107.78590539
10,700.00	90.00	302.010	5,306.00	2,573.75	-6,164.34	1,924,797.45	2,736,983.98	36.28982031	-107.78619303
10,800.00	90.00	302.010	5,306.00	2,626.76	-6,249.13	1,924,850.46	2,736,899.18	36.28996603	-107.78648068
10,900.00	90.00	302.010	5,306.00	2,679.76	-6,333.93	1,924,903.46	2,736,814.38	36.29011176	-107.78676833
11,000.00 11,100.00	90.00 90.00	302.010 302.010	5,306.00 5,306.00	2,732.77 2,785.78	-6,418.72 -6,503.52	1,924,956.47 1,925,009.48	2,736,729.59 2,736,644.79	36.29025748 36.29040321	-107.78705598 -107.78734362
11,200.00	90.00	302.010	5,306.00	2,838.78	-6,588.31	1,925,062.48	2,736,560.00	36.29054893	-107.78763128
11,300.00	90.00	302.010	5,306.00	2,891.79	-6,673.11	1,925,115.49	2,736,475.20	36.29069465	-107.78791893
11,400.00	90.00	302.010	5,306.00	2,944.80	-6,757.90	1,925,168.50	2,736,390.41	36.29084037	-107.78820658
11,500.00	90.00	302.010	5,306.00	2,997.80	-6,842.70	1,925,221.50	2,736,305.61	36.29098609	-107.78849423
11,600.00	90.00	302.010	5,306.00	3,050.81	-6,927.50	1,925,274.51	2,736,220.82	36.29113181	-107.78878189
11,700.00	90.00	302.010	5,306.00	3,103.82	-7,012.29	1,925,327.52	2,736,136.02	36.29127753	-107.78906954
11,800.00	90.00	302.010	5,306.00	3,156.82	-7,097.09	1,925,380.52	2,736,051.23	36.29142325	-107.78935720
11,900.00	90.00	302.010	5,306.00	3,209.83	-7,181.88	1,925,433.53	2,735,966.43	36.29156897	-107.78964486
12,000.00	90.00	302.010	5,306.00	3,262.84	-7,266.68	1,925,486.53	2,735,881.63	36.29171468	-107.78993252
12,100.00	90.00	302.010	5,306.00	3,315.84	-7,351.47	1,925,539.54	2,735,796.84	36.29186040	-107.79022018
12,200.00	90.00	302.010	5,306.00	3,368.85	-7,436.27	1,925,592.55	2,735,712.04	36.29200611	-107.79050784
12,300.00	90.00	302.010	5,306.00	3,421.86	-7,521.07	1,925,645.55	2,735,627.25	36.29215183	-107.79079550
12,400.00	90.00	302.010	5,306.00	3,474.86	-7,605.86	1,925,698.56	2,735,542.45	36.29229754	-107.79108317
12,500.00	90.00	302.010	5,306.00	3,527.87	-7,690.66	1,925,751.57	2,735,457.66	36.29244326	-107.79137083
12,600.00	90.00	302.010	5,306.00	3,580.88	-7,775.45	1,925,804.57	2,735,372.86	36.29258897	-107.79165850
12,700.00	90.00	302.010	5,306.00	3,633.88	-7,860.25	1,925,857.58	2,735,288.07	36.29273468	-107.79194616
12,800.00	90.00	302.010	5,306.00	3,686.89	-7,945.04	1,925,910.59	2,735,203.27	36.29288039	-107.79223383
12,900.00	90.00	302.010	5,306.00	3,739.90	-8,029.84	1,925,963.59	2,735,118.48	36.29302610	-107.79252150
13,000.00	90.00	302.010	5,306.00	3,792.90	-8,114.63	1,926,016.60	2,735,033.68	36.29317181	-107.79280917
13,100.00	90.00	302.010 302.010	5,306.00 5,306.00	3,845.91 3,898.91	-8,199.43 -8,284.23	1,926,069.61	2,734,948.88	36.29331752 36.29346323	-107.79309684 -107.79338451
13,200.00 13,300.00	90.00 90.00	302.010	5,306.00	3,951.92	-8,369.02	1,926,122.61 1,926,175.62	2,734,864.09 2,734,779.29	36.29360894	-107.79367219
13,400.00	90.00	302.010	5,306.00	4,004.93	-8,453.82	1,926,228.63	2,734,694.50	36.29375465	-107.79395986
13,500.00	90.00	302.010	5,306.00	4,057.93	-8,538.61	1,926,281.63	2,734,609.70	36.29390035	-107.79424754
13,600.00	90.00	302.010	5,306.00	4,110.94	-8,623.41	1,926,334.64	2,734,524.91	36.29404606	-107.79453521
13,700.00	90.00	302.010	5,306.00	4,163.95	-8,708.20	1,926,387.65	2,734,440.11	36.29419176	-107.79482289
13,800.00	90.00	302.010	5,306.00	4,216.95	-8,793.00	1,926,440.65	2,734,355.32	36.29433747	-107.79511057
13,900.00	90.00	302.010	5,306.00	4,269.96	-8,877.80	1,926,493.66	2,734,270.52	36.29448317	-107.79539825
14,000.00	90.00	302.010	5,306.00	4,322.97	-8,962.59	1,926,546.67	2,734,185.73	36.29462887	-107.79568593
14,100.00	90.00	302.010	5,306.00	4,375.97	-9,047.39	1,926,599.67	2,734,100.93	36.29477458	-107.79597361
14,200.00	90.00	302.010	5,306.00	4,428.98	-9,132.18	1,926,652.68	2,734,016.14	36.29492028	-107.79626129
14,300.00	90.00	302.010	5,306.00	4,481.99	-9,216.98	1,926,705.68	2,733,931.34	36.29506598	-107.79654898
14,400.00	90.00	302.010	5,306.00	4,534.99	-9,301.77	1,926,758.69	2,733,846.54	36.29521168	-107.79683666
14,500.00	90.00	302.010	5,306.00	4,588.00	-9,386.57	1,926,811.70	2,733,761.75	36.29535738	-107.79712435
14,600.00	90.00	302.010	5,306.00	4,641.01	-9,471.36	1,926,864.70	2,733,676.95	36.29550308	-107.79741203
14,700.00	90.00	302.010	5,306.00	4,694.01	-9,556.16	1,926,917.71	2,733,592.16	36.29564878	-107.79769972
14,800.00	90.00	302.010	5,306.00	4,747.02	-9,640.96	1,926,970.72	2,733,507.36	36.29579447	-107.79798741
14,900.00	90.00	302.010	5,306.00	4,800.03	-9,725.75	1,927,023.72	2,733,422.57	36.29594017	-107.79827510
15,000.00	90.00	302.010	5,306.00	4,853.03	-9,810.55	1,927,076.73	2,733,337.77	36.29608587	-107.79856279
15,100.00	90.00	302.010	5,306.00	4,906.04	-9,895.34	1,927,129.74	2,733,252.98	36.29623156	-107.79885049
15,200.00	90.00	302.010	5,306.00	4,959.05	-9,980.14	1,927,182.74	2,733,168.18	36.29637726	-107.79913818
15,300.00	90.00	302.010	5,306.00	5,012.05	-10,064.93	1,927,235.75	2,733,083.39	36.29652295	-107.79942587

4/12/2024 12:48:33PM



Database:	DT_Mar1724_v17	Local Co-ordinate Reference:	Well Nageezi Unit 216H
Company:	Enduring Resources LLC	TVD Reference:	RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore: Design:	Original Hole rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,400.00	90.00	302.010	5,306.00	5,065.06	-10,149.73	1,927,288.76	2,732,998.59	36.29666864	-107.79971357
15,500.00	90.00	302.010	5,306.00	5,118.07	-10,234.53	1,927,341.76	2,732,913.79	36.29681434	-107.80000127
15,600.00	90.00	302.010	5,306.00	5,171.07	-10,319.32	1,927,394.77	2,732,829.00	36.29696003	-107.80028896
15,700.00	90.00	302.010	5,306.00	5,224.08	-10,404.12	1,927,447.78	2,732,744.20	36.29710572	-107.80057666
15,800.00	90.00	302.010	5,306.00	5,277.09	-10,488.91	1,927,500.78	2,732,659.41	36.29725141	-107.80086436
15,900.00	90.00	302.010	5,306.00	5,330.09	-10,573.71	1,927,553.79	2,732,574.61	36.29739710	-107.80115206
16,000.00	90.00	302.010	5,306.00	5,383.10	-10,658.50	1,927,606.80	2,732,489.82	36.29754279	-107.80143977
16,100.00	90.00	302.010	5,306.00	5,436.11	-10,743.30	1,927,659.80	2,732,405.02	36.29768848	-107.80172747
16,200.00	90.00	302.010	5,306.00	5,489.11	-10,828.09	1,927,712.81	2,732,320.23	36.29783417	-107.80201517
16,300.00	90.00	302.010	5,306.00	5,542.12	-10,912.89	1,927,765.82	2,732,235.43	36.29797985	-107.80230288
16,400.00	90.00	302.010	5,306.00	5,595.13	-10,997.69	1,927,818.82	2,732,150.64	36.29812554	-107.80259058
16,500.00	90.00	302.010	5,306.00	5,648.13	-11,082.48	1,927,871.83	2,732,065.84	36.29827122	-107.80287829
16,523.18	90.00	302.010	5,306.00	5,660.42	-11,102.14	1,927,884.12	2,732,046.18	36.29830500	-107.80294500
PBHL @	16523.18 MD	5306.00 TVD							

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Nageezi 216H PPP/POE - plan hits target cen - Point	0.00 ter	0.000	5,271.45	-12.27	-2,027.43	1,922,211.43	2,741,120.87	36.28271000	-107.77216100
Nageezi 216H 0 VS - plan misses target - Point	0.00 center by 140	0.000 9.64ft at 518	5,306.00 4.76ft MD (4	-920.10 821.20 TVD,	-575.16 -132.55 N, -16	1,921,303.61 39.03 E)	2,742,573.14	36.28021353	-107.76723563
Nageezi 216H BHL 2167 - plan hits target cen - Point	0.00 ter	0.000	5,306.00	5,660.42	-11,102.14	1,927,884.12	2,732,046.18	36.29830500	-107.80294500

asing Points					
	Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
	350.00	350.00	9-5/8" Surface Casing	9-5/8	12-1/4
	5,917.29	5,297.30	7" Intermediate Casing	7	8-1/2



Database: Company:	DT_Mar1724_v17 Enduring Resources LLC	Local Co-ordinate Reference: TVD Reference:	Well Nageezi Unit 216H RKB=6826+25 @ 6851.00ft
Project:	San Juan County, New Mexico NAD83 NM W	MD Reference:	RKB=6826+25 @ 6851.00ft
Site:	Nageezi Unit (213, 214, 215, 216, 217 & 218)	North Reference:	Grid
Well:	Nageezi Unit 216H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Formations

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

Plan Annotations

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

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

Operator:	OGRID:
DJR OPERATING, LLC	371838
200 Energy Court	Action Number:
Farmington, NM 87401	334053
	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.	5/28/2024

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Action 334053