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

Sundry Print Report

02/13/2024

Well Name: NORTH ALAMITO UNIT

Well Location: T23N / R7W / SEC 17 / SESW / 36.220051 / -107.599723

County or Parish/State: RIO ARRIBA / NM

Well Number: 006H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM081638

Unit or CA Name: /1/NORTH ALAMITO UNIT

Unit or CA Number: NMNM135229A

US Well Number: 3003931429

Well Status: Drilling Well

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2774845

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 02/12/2024

Time Sundry Submitted: 05:45

Date proposed operation will begin: 02/12/2024

Procedure Description: The subject well is located within DJRs undivided North Alamito Unit. Original plans were to drill a 5360-ft lateral. DJR is seeking approval to extend the lateral to 7992-ft, changing the proposed depth from 5394 / 11172 to 5371 / 14323, adjusting the BHL & increasing the dedicated acres from 360 to 520. Attached please find updated C102, revised drilling plan with new casing, cement assumptions, revised directional design and proposed wellbore diagram. Please note, effective December 21, 2023, Enduring Resources, LLC & DJR Operating, LLC are wholly owned subsidiaries of Enduring Resources, LLC. Leases, rights of way, wells, and other property interests will continue to be held in their current entity names.

NOI Attachments

Procedure Description

006H_NOI_Change_to_APD_Rev2_20240212174503.pdf

Well Name: NORTH ALAMITO UNIT

Well Location: T23N / R7W / SEC 17 / SESW / 36.220051 / -107.599723

County or Parish/State: RIO ARRIBA / NM

Well Number: 006H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM081638

Unit or CA Name: /1/NORTH ALAMITO UNIT

Unit or CA Number: NMNM135229A

US Well Number: 3003931429

Well Status: Drilling Well

Operator: DJR OPERATING LLC

Operator

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

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: FEB 12, 2024 05:45 PM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC **State:** NM

Phone: (505) 632-3476

Email address: SFORD@DJRLLC.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Approved

Disposition Date: 02/13/2024

Signature: Matthew Kade

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-31429	98174	NORTH ALAMITO UNIT MANCOS OIL POOL

[4] Property Code	[5] Property Name	[6] Well Number
325267	NORTH ALAMITO UNIT	006H

[7] OGRID No	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	7025'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	23N	7W		88'	SOUTH	2016'	WEST	RIO ARRIBA

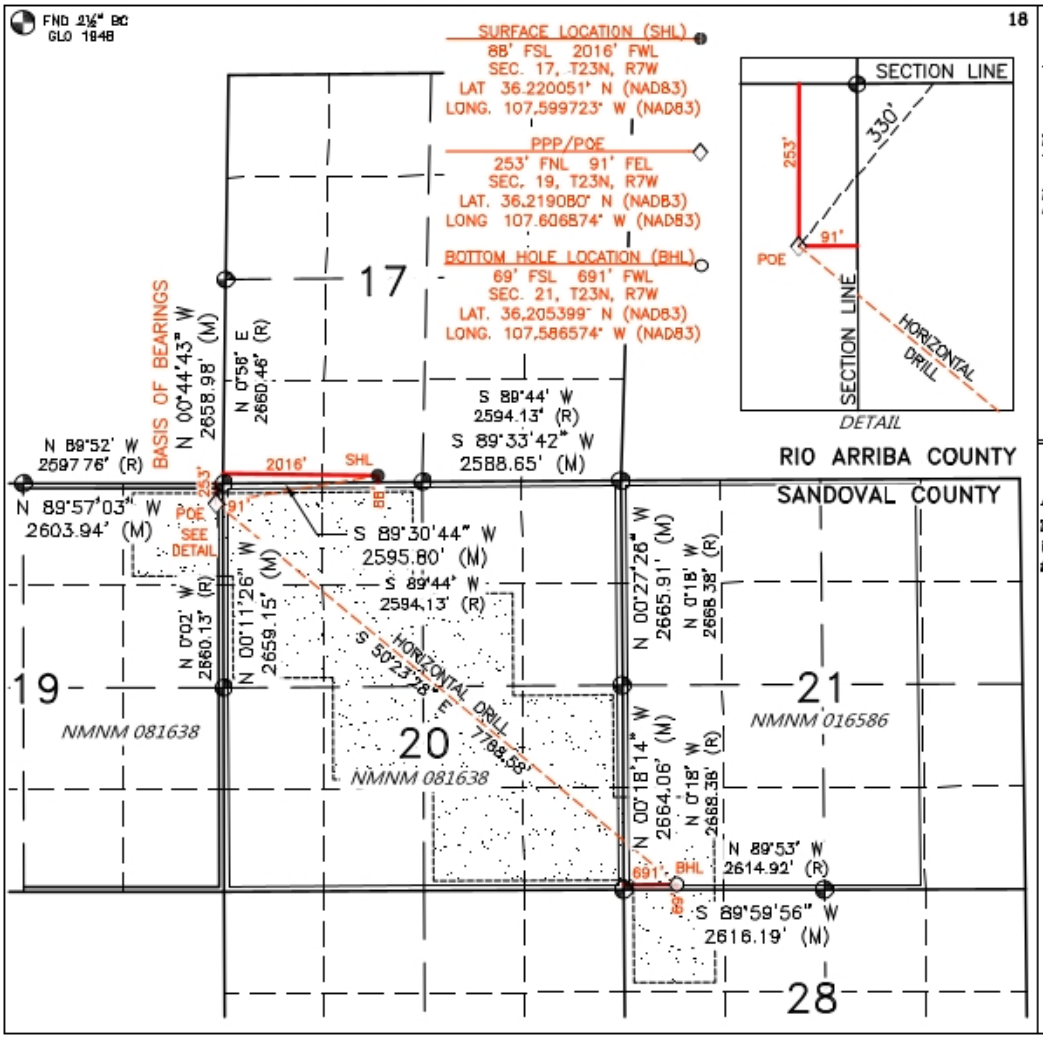
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	23N	7W		69'	SOUTH	691'	WEST	SANDOVAL

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT: SEC 19: NE/NE (40 AC.); SEC 20: NW/4, SW/NE, NE/SW & SE/4 (400 AC.); SEC 21: SW/SW (40 AC.); SEC 28: NW/NW (40 AC.) = 520 ACRES			R-14081, R-14081A

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



18

[17] OPERATOR CERTIFICATION

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

Shaw-Marie Ford 2/12/24
Signature Date

Shaw-Marie Ford
Printed Name

sford@djrllc.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 3, 2020
Date of Survey

Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
11393
01/08/2024
PROFESSIONAL SURVEYOR

Certificate Number 11393

ENDURING RESOURCES IV, LLC
6300 S SYRACUSE WAY, SUITE 525
CENTENNIAL, COLORADO 80211

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

WELL INFORMATION:

Name: **NORTH ALAMITO UNIT 006H**
API Number: 30-039-31429
State: New Mexico
County: San Juan
Surface Elevation: 7,025 ft ASL (GL) 7,050 ft ASL (KB)
Surface Location: 17-23N-07W Sec-Twn-Rng 88 ft FSL 2,016 ft FWL
36.220051 ° N latitude 107.599723 ° W longitude (NAD 83)
BH Location: 21-23N-07W Sec-Twn-Rng 1,227 ft FSL 660 ft FWL
36.208580 ° N latitude 107.586689 ° W longitude (NAD 83)
Driving Directions: **FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:**
South on US Hwy 550 for 39.0 miles to MM 112.7, Right (South) on CR #7900 / IR #7061 for 5.1 miles to Y (just passed 4-way), Left (East) leaving CR #7900 for 4.0 miles to lease road; Left (NorthEast) for 1.8 miles to new access; Right (North) for 1.5 miles to NAU N17-2307 pad entrance on left (from South to North): N Alamito 006H, 005H wells).

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	5,875	1,175	1,190	W	normal
Kirtland	5,752	1,298	1,323	W	normal
Fruitland	5,572	1,478	1,527	G, W	sub
Pictured Cliffs	5,254	1,796	1,913	G, W	sub
Lewis	5,118	1,932	2,079	G, W	normal
Chacra	4,848	2,202	2,410	G, W	normal
Cliff House	3,770	3,280	3,729	G, W	sub
Menefee	3,725	3,325	3,784	G, W	normal
Point Lookout	2,914	4,136	4,779	G, W	normal
Mancos	2,700	4,350	5,040	O,G	sub (~0.38)
Gallup (MNCS_A)	2,368	4,682	5,436	O,G	sub (~0.38)
MNCS_B	2,271	4,779	5,539	O,G	sub (~0.38)
MNCS_C	2,180	4,870	5,634	O,G	sub (~0.38)
MNCS_Cms	2,137	4,913	5,680	O,G	sub (~0.38)
MNCS_D	2,010	5,040	5,818	O,G	sub (~0.38)
MNCS_E	1,895	5,155	5,957	O,G	sub (~0.38)
MNCS_F	1,848	5,202	6,021	O,G	sub (~0.38)
MNCS_G	1,774	5,276	6,141	O,G	sub (~0.38)
MNCS_H	1,714	5,336	6,261	O,G	sub (~0.38)
MNCS_I	1,663	5,387	6,412	O,G	sub (~0.38)
FTP TARGET	**1,686**	**5,365**	**6,332**	**O,G**	**sub (~0.38)**
PROJECTED TD	**1,679**	**5,371**	**14,324**	**O,G**	**sub (~0.38)**

Surface: Nacimiento
Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup
Pressure: Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations
Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft
Maximum anticipated BH pressure, assuming maximum pressure gradient: **2,310** **psi**
Maximum anticipated surface pressure, assuming partially evacuated hole: **1,130** **psi**
Temperature: **Maximum anticipated BHT is 125° F or less**

H_2S INFORMATION:

H_2S Zones: Encountering hydrogen-sulfide bearing zones is **NOT** anticipated.

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

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; remote geo-steering from drill out of 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: Aztec

Rig No.: 1000

Draw Works: E80 AC 1,500 hp

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

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

Prime Movers: 4 - GE Jenbacher Natural Gas Generator

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

BOPE 1: Cameron single & double gate rams (11", 3,000 psi)

BOPE 2: Cameron annular (11", 3,000 psi)

Choke 3", 5,000 psi

KB-GL (ft): 25

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

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

1) Rig will be equipped with upper and lower kelly cocks with handles available.

2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.

2) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.

3) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.

4) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.

5) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device.The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

FLUIDS AND SOLIDS CONTROL PROGRAM:

Fluid Measurement:

Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

Closed-Loop System: A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimize the amount of fluids and solids that require disposal.

Fluid Disposal: Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Solids Disposal: Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Fluid Program: See "Detailed Drilling Plan" section and attached Newpark mud program for additional details.

DETAILED DRILLING PLAN:

SURFACE: **Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.**

0 ft (MD)	**to**	**350 ft (MD)**	**Hole Section Length:**	**350 ft**
0 ft (TVD)	**to**	**350 ft (TVD)**	**Casing Required:**	**350 ft**

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

Fluid:	**Type**	**MW (ppg)**	**FL (mL/30 min)**	**PV (cp)**	**YP (lb/100 sqft)**	**pH**	**Comments**
	Fresh Water	8.4	N/C	2 - 8	2 - 12	9.0	Spud mud

Hole Size: 12-1/4"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	9.625	36.0	K-55	STC	2,020	3,520	564,000	423,000
Loading					153	1,152	110,988	110,988
Min. S.F.					**13.21**	**3.06**	**5.08**	**3.81**

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

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**Hole Cap. (cuft/ft)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**	**Total Cmt (cu ft)**
Redi-Mix	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114	184

Calculated cement volumes assume gauge hole and the excess noted in table Csg ID 8.921

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

350 ft (MD)	**to**	**6,432 ft (MD)**	**Hole Section Length:**	**6,082 ft**
350 ft (TVD)	**to**	**5,390 ft (TVD)**	**Casing Required:**	**6,432 ft**

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

Hole Size: 8.75

Bit / Motor: 8-3/4" PDC bit w/mud motor

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

Logging: None

Casing Specs:		**Wt (lb/ft)**	**Grade**	**Conn.**	**Collapse (psi)**	**Burst (psi)**	**Tens. Body (lbs)**	**Tens. Conn (lbs)**
Specs	7	26.0	K-55	LTC	4,320	4,980	415,000	367,000
Loading					2,354	1,438	245,834	245,834
Min. S.F.					**1.83**	**3.46**	**1.69**	**1.49**

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

Cement:	**Type**	**Weight (ppg)**	**Yield (cuft/sk)**	**Water (gal/sk)**	**% Excess**	**Planned TOC (ft MD)**	**Total Cmt (sx)**	**Total Cmt (cu ft)**
Lead	III:POZ Blend	12.5	2.140	12.05	70%	0	575	1,231
Tail	Type III	14.6	1.380	6.64	20%	4,940	202	279

Annular Capacity	0.16681	cuft/ft	7" casing x 9-5/8" casing annulus	Shoe Track L	44
	0.1503	cuft/ft	9-5/8" casing x 12-1/4" hole annulus	Casing ID	6.276
	0.2148	cuft/ft	7" casing casing volume		

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

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

6,432	ft (MD)	to	14,324	ft (MD)	Hole Section Length:	7,892 ft	
5,390	ft (TVD)	to	5,371	ft (TVD)	Casing Required:	8,042 ft	
		Estimated KOP:	5,274	ft (MD)	4,541	ft (TVD)	
		Estimated Liner Top:	6,282	ft (MD)	5,345	ft (TVD)	
		Estimated Landing Point (FTP):	6,332	ft (MD)	5,365	ft (TVD)	
		Estimated Lateral Length:	7,992	ft (MD)			

Fluid:	Type	MW (ppg)	FL (mL/30')	PV (cp)	YP (lb/100 sqft)	pH	Comments	Comments
	WBM	8.7 - 9.0	NC	+20	±2	9-9.5	prod water	OBM as contingency

Hole Size: 6.125

Bit / Motor: 6-1/8" PDC bit w/mud motor

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

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

Liner/Casing Specs:	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	4.500	11.6	P-110	BTC	7,560	10,690	367,000	385,000
Loading					2,653	8,807	243,380	243,380
Min. S.F.					**2.85**	**1.21**	**1.51**	**1.58**

Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)

Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden fluid with 8.4 ppg equivalent external pressure gradient.

Tension: buoyed weight in 9.0 ppg fluid with 100,000 lbs over-pull. Tension calculations assume vertical hole to approximate drag in lateral.

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Spacer	IntegraGuard Star	11		31.6		0	60 bbls	
Tail	G:POZ blend	13.3	1.560	7.70	30%	6,282	663	1,034

Displacement	188	est bbls			
Annular Capacity	0.1044	cuft/ft	4-1/2" casing x 7" casing annulus		
	0.09417	cuft/ft	4-1/2" casing x 6-1/8" hole annulus		
	0.0873	cuft/ft	4-1/2" casing vol	est shoe jt ft	100
	0.0102	bbls/ft	4" DP capacity		

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

American Cementing Liner & Production Blend

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

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

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length:	7,892						
Est Frac Inform:	33	Frac Stages	127,000	bbls slick water	10,260,000	lbs proppant	

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

Production: Produce through production tubing via gas-lift into permanent production and storage facilities

ESTIMATED START DATES:

Drilling:	2/16/2024
Completion:	4/16/2024
Production:	5/31/2024

Prepared by:	**Greg Olson**	**1/25/2024**
Updated:	**Greg Olson**	**2/9/2024**

WELL NAME: **NORTH ALAMITO UNIT 006H**

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

API Number: *30-039-31429*

AFE Number: *Not yet assigned*

ER Well Number: *Not yet assigned*

State: New Mexico

County: San Juan

Surface Elev.:	7,025	ft ASL (GL)	7,050	ft ASL (KB)		
Surface Location:	17-23N-07W	Sec-Twn- Rng	88	ft FSL	2,016	ft FWL
BH Location:	21-23N-07W	Sec-Twn- Rng	1227	ft FSL	660	ft FWL

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

South on US Hwy 550 for 39.0 miles to MM 112.7, Right (South) on CR #7900 / IR #7061 for 5.1 miles to Y (just passed 4-way), Left (East) leaving CR #7900 for 4.0 miles to lease road; Left (NorthEast) for 1.8 miles to new access; Right (North) for 1.5 miles to NAU N17-2307 pad entrance on left (from South to North): N Alamito 006H, 005H wells).

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	6,432	ft
KOP (MD)	5,274	ft
KOP (TVD)	4,541	ft
Target (TVD)	5,365	ft
Curve BUR	10	°/100 ft
POE (MD)	6,332	ft
TD (MD)	14,324	ft
Lat Len (ft)	7,992	ft

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	350	9.625	36	K-55	STC	0	350
Intermediate	12.250	6,432	7	26.0	K-55	LTC	0	6,432
Production	8.500	14,324	4.500	11.6	P-110	BTC	0	14,324

CEMENT PROPERTIES SUMMARY:

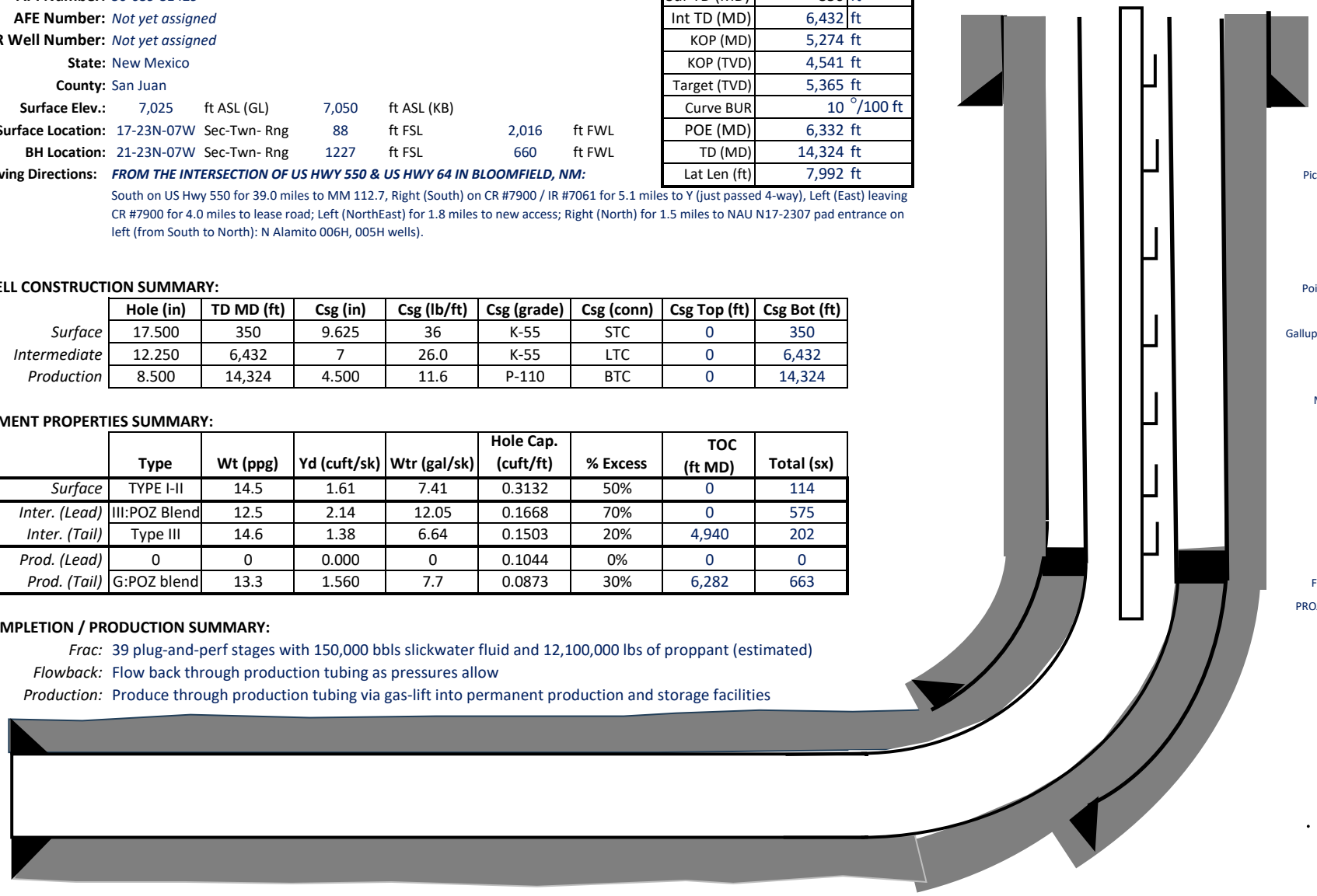
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.14	12.05	0.1668	70%	0	575
Inter. (Tail)	Type III	14.6	1.38	6.64	0.1503	20%	4,940	202
Prod. (Lead)	0	0	0.000	0	0.1044	0%	0	0
Prod. (Tail)	G:POZ blend	13.3	1.560	7.7	0.0873	30%	6,282	663

COMPLETION / PRODUCTION SUMMARY:

Frac: 39 plug-and-perf stages with 150,000 bbls slickwater fluid and 12,100,000 lbs of proppant (estimated)

Flowback: Flow back through production tubing as pressures allow

Production: Produce through production tubing via gas-lift into permanent production and storage facilities



Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1,175	1,190
Kirtland	1,298	1,323
Fruitland	1,478	1,527
Pictured Cliffs	1,796	1,913
Lewis	1,932	2,079
Chacra	2,202	2,410
Cliff House	3,280	3,729
Menefee	3,325	3,784
Point Lookout	4,136	4,779
Mancos	4,350	5,040
Gallup (MNCS_A)	4,682	5,436
MNCS_B	4,779	5,539
MNCS_C	4,870	5,634
MNCS_Cms	4,913	5,680
MNCS_D	5,040	5,818
MNCS_E	5,155	5,957
MNCS_F	5,202	6,021
MNCS_G	5,276	6,141
MNCS_H	5,336	6,261
MNCS_I	5,387	6,412
FTP TARGET	5,365	6,332
PROJECTED TD	5,371	14,324

Well: North Alamito Unit 006 H
Site: North Alamito Unit (05 & 06)
Project: Sandoval County, New Mexico NAD83 NM C
Design: rev0
Rig:

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Central Zone
System Datum: Mean Sea Level
Depth Reference: RKB=7025+25 @ 7050.00ft

Azimuths to Grid North
True North: 0.80°
Magnetic North: 9.26°

Magnetic Field
Strength: 49057.7nT
Dip Angle: 62.71°
Date: 1/9/2024
Model: IGRF2020

Surface location:

	Northing	Easting	Latittude	Longitude
8.00	1902135.920	1242293.117	36.220051000	-107.599723000

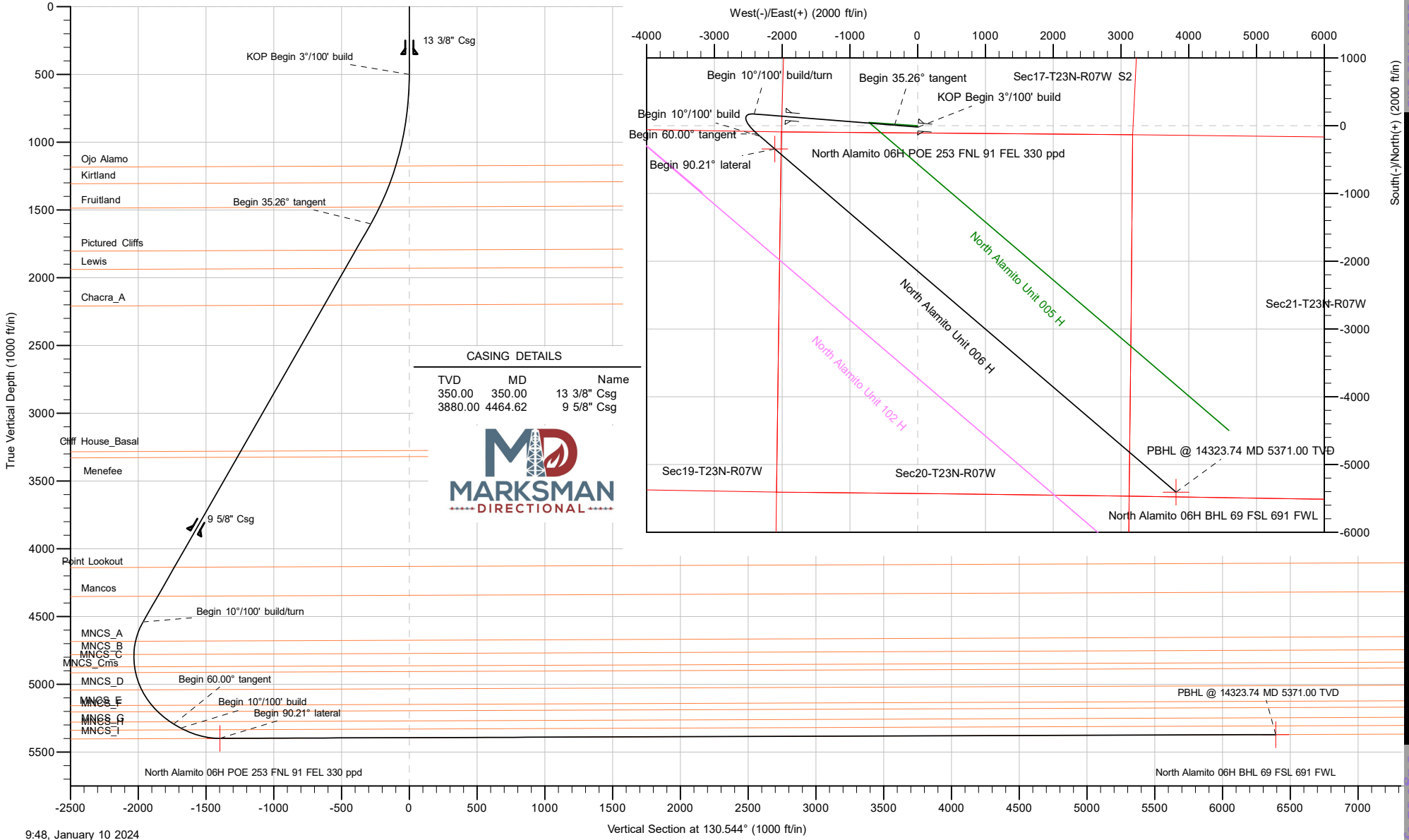
Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 9.26°

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.000	0.00	-18.68	8.00	0.00	0.00	0.00	
2	500.00	0.00	0.000	500.00	-18.68	8.00	0.00	0.00	0.00	KOP Begin 3°/100' build
3	1675.46	35.26	274.548	1602.64	9.11	-341.35	3.00	274.55	-283.54	Begin 35.26° tangent
4	5273.83	35.26	274.548	4540.73	173.85	-2412.29	0.00	0.00	-1964.35	Begin 10°/100' build/turn
5	6171.70	60.00	130.544	5292.22	-121.36	-2365.15	10.00	-149.40	-1736.63	Begin 60.00° tangent
6	6231.70	60.00	130.544	5322.22	-155.14	-2325.67	0.00	0.00	-1684.67	Begin 10°/100' build
7	6533.75	90.21	130.544	5398.98	-342.70	-2106.41	10.00	0.00	-1396.13	Begin 90.21° lateral
8	14323.74	90.21	130.544	5371.00	-5406.41	3813.22	0.00	0.00	6393.81	PBHL @ 14323.74 MD 5371.00 TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
North Alamito 06H BHL 69 FSL 691 FWL	5371.00	-5406.41	3813.22	1896748.200	1246098.328	36.205399000	-107.586574000
North Alamito 06H POE 253 FNL 91 FEL 330 ppd	5399.00	-342.72	-2106.38	1901811.877	1240178.742	36.219080000	-107.606874000



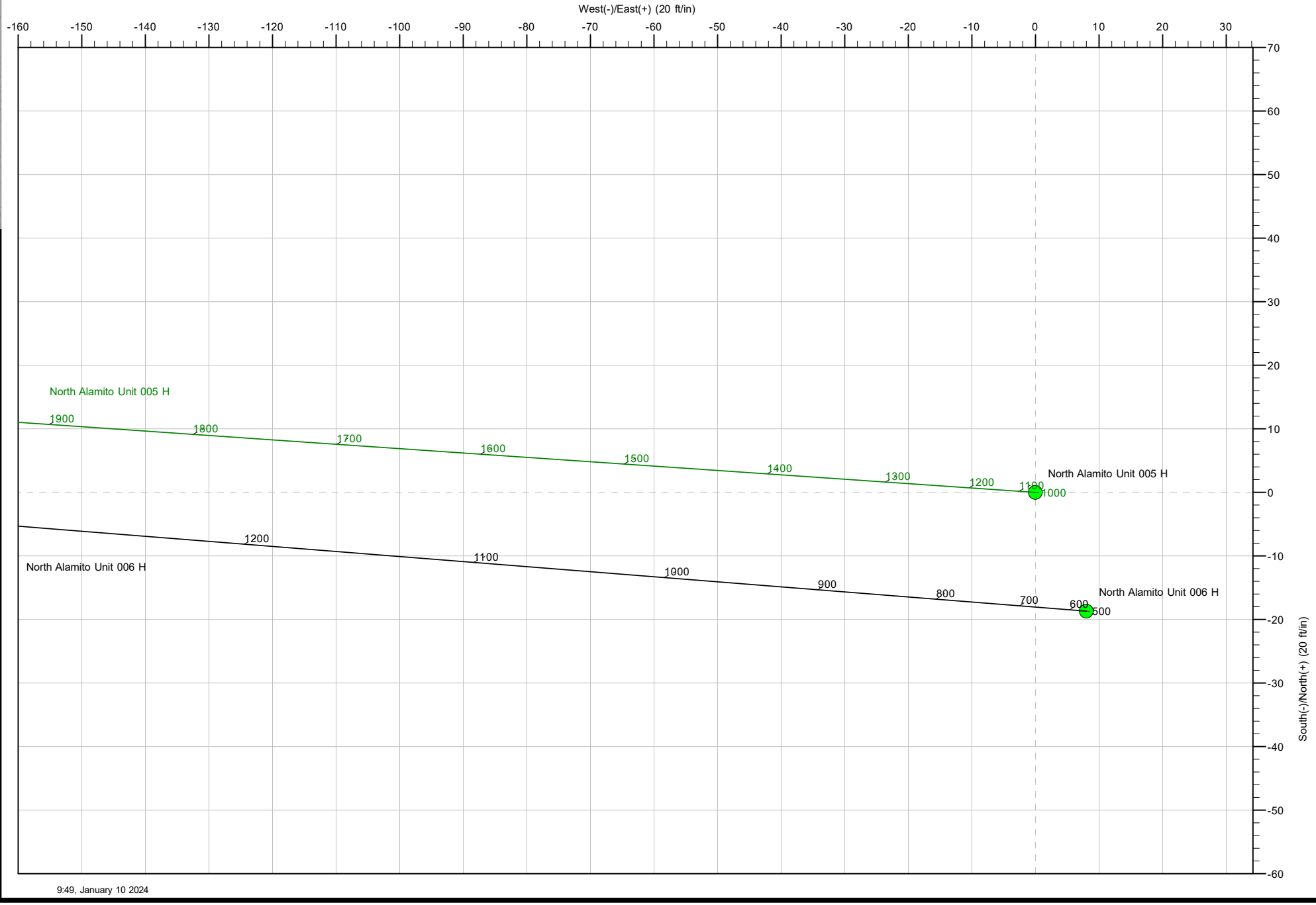
CASING DETAILS

TVD	MD	Name
350.00	350.00	13 3/8" Csg
3880.00	4464.62	9 5/8" Csg

MARKSMAN DIRECTIONAL

9:48, January 10 2024

Well: North Alamito Unit 006 H
Site: North Alamito Unit (05 & 06)
Project: Sandoval County, New Mexico NAD83 NM C
Design: rev0
Rig:



Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project Sandoval County, New Mexico NAD83 NM C

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site North Alamito Unit (05 & 06)

Site Position:		**Northing:**	1,902,154.601 usft	**Latitude:**	36.220102000
From:	Lat/Long	**Easting:**	1,242,285.116 usft	**Longitude:**	-107.599751000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well North Alamito Unit 006 H, Surf loc: 88 FSL 2016 FWL Section 17-T23N-R07W

Well Position	**+N/-S**	-18.68 ft	**Northing:**	1,902,135.920 usft	**Latitude:**	36.220051000
	+E/-W	8.00 ft	**Easting:**	1,242,293.117 usft	**Longitude:**	-107.599723000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,025.00 ft
Grid Convergence:		-0.80 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/9/2024	8.46	62.71	49,057.66121355

Design rev0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	-18.68	8.00	130.544

Plan Survey Tool Program **Date** 1/10/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,323.74	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	-18.68	8.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	-18.68	8.00	0.00	0.00	0.00	0.00	
1,675.46	35.26	274.548	1,602.64	9.11	-341.35	3.00	3.00	0.00	274.55	
5,273.83	35.26	274.548	4,540.73	173.85	-2,412.29	0.00	0.00	0.00	0.00	
6,171.70	60.00	130.544	5,292.22	-121.36	-2,365.15	10.00	2.76	-16.04	-149.40	
6,231.70	60.00	130.544	5,322.22	-155.14	-2,325.67	0.00	0.00	0.00	0.00	
6,533.75	90.21	130.544	5,398.98	-342.70	-2,106.41	10.00	10.00	0.00	0.00	
14,323.74	90.21	130.544	5,371.00	-5,406.41	3,813.22	0.00	0.00	0.00	0.00	North Alamito 06H BH

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**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	-18.68	8.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	-18.68	8.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	-18.68	8.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	-18.68	8.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	-18.68	8.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	-18.68	8.00	0.00	0.00	0.00	0.00
600.00	3.00	274.548	599.95	-18.47	5.39	-2.12	3.00	3.00	0.00
700.00	6.00	274.548	699.63	-17.85	-2.43	-8.46	3.00	3.00	0.00
800.00	9.00	274.548	798.77	-16.82	-15.44	-19.02	3.00	3.00	0.00
900.00	12.00	274.548	897.08	-15.37	-33.60	-33.77	3.00	3.00	0.00
1,000.00	15.00	274.548	994.31	-13.52	-56.87	-52.65	3.00	3.00	0.00
1,100.00	18.00	274.548	1,090.18	-11.27	-85.18	-75.63	3.00	3.00	0.00
1,200.00	21.00	274.548	1,184.43	-8.62	-118.45	-102.63	3.00	3.00	0.00
1,300.00	24.00	274.548	1,276.81	-5.59	-156.60	-133.59	3.00	3.00	0.00
1,400.00	27.00	274.548	1,367.06	-2.17	-199.51	-168.42	3.00	3.00	0.00
1,500.00	30.00	274.548	1,454.93	1.61	-247.07	-207.02	3.00	3.00	0.00
1,600.00	33.00	274.548	1,540.18	5.75	-299.15	-249.28	3.00	3.00	0.00
1,675.46	35.26	274.548	1,602.64	9.11	-341.35	-283.54	3.00	3.00	0.00
1,700.00	35.26	274.548	1,622.68	10.23	-355.47	-295.00	0.00	0.00	0.00
1,800.00	35.26	274.548	1,704.33	14.81	-413.03	-341.71	0.00	0.00	0.00
1,900.00	35.26	274.548	1,785.98	19.39	-470.58	-388.42	0.00	0.00	0.00
2,000.00	35.26	274.548	1,867.63	23.97	-528.13	-435.13	0.00	0.00	0.00
2,100.00	35.26	274.548	1,949.28	28.54	-585.68	-481.84	0.00	0.00	0.00
2,200.00	35.26	274.548	2,030.93	33.12	-643.23	-528.55	0.00	0.00	0.00
2,300.00	35.26	274.548	2,112.58	37.70	-700.79	-575.26	0.00	0.00	0.00
2,400.00	35.26	274.548	2,194.23	42.28	-758.34	-621.97	0.00	0.00	0.00
2,500.00	35.26	274.548	2,275.88	46.86	-815.89	-668.68	0.00	0.00	0.00
2,600.00	35.26	274.548	2,357.53	51.43	-873.44	-715.39	0.00	0.00	0.00
2,700.00	35.26	274.548	2,439.18	56.01	-930.99	-762.10	0.00	0.00	0.00
2,800.00	35.26	274.548	2,520.83	60.59	-988.55	-808.81	0.00	0.00	0.00
2,900.00	35.26	274.548	2,602.48	65.17	-1,046.10	-855.52	0.00	0.00	0.00
3,000.00	35.26	274.548	2,684.13	69.75	-1,103.65	-902.23	0.00	0.00	0.00
3,100.00	35.26	274.548	2,765.78	74.33	-1,161.20	-948.94	0.00	0.00	0.00
3,200.00	35.26	274.548	2,847.43	78.90	-1,218.76	-995.65	0.00	0.00	0.00
3,300.00	35.26	274.548	2,929.09	83.48	-1,276.31	-1,042.36	0.00	0.00	0.00
3,400.00	35.26	274.548	3,010.74	88.06	-1,333.86	-1,089.07	0.00	0.00	0.00
3,500.00	35.26	274.548	3,092.39	92.64	-1,391.41	-1,135.78	0.00	0.00	0.00
3,600.00	35.26	274.548	3,174.04	97.22	-1,448.96	-1,182.50	0.00	0.00	0.00
3,700.00	35.26	274.548	3,255.69	101.79	-1,506.52	-1,229.21	0.00	0.00	0.00
3,800.00	35.26	274.548	3,337.34	106.37	-1,564.07	-1,275.92	0.00	0.00	0.00
3,900.00	35.26	274.548	3,418.99	110.95	-1,621.62	-1,322.63	0.00	0.00	0.00
4,000.00	35.26	274.548	3,500.64	115.53	-1,679.17	-1,369.34	0.00	0.00	0.00
4,100.00	35.26	274.548	3,582.29	120.11	-1,736.73	-1,416.05	0.00	0.00	0.00
4,200.00	35.26	274.548	3,663.94	124.68	-1,794.28	-1,462.76	0.00	0.00	0.00
4,300.00	35.26	274.548	3,745.59	129.26	-1,851.83	-1,509.47	0.00	0.00	0.00
4,400.00	35.26	274.548	3,827.24	133.84	-1,909.38	-1,556.18	0.00	0.00	0.00
4,500.00	35.26	274.548	3,908.89	138.42	-1,966.93	-1,602.89	0.00	0.00	0.00
4,600.00	35.26	274.548	3,990.54	143.00	-2,024.49	-1,649.60	0.00	0.00	0.00
4,700.00	35.26	274.548	4,072.19	147.57	-2,082.04	-1,696.31	0.00	0.00	0.00
4,800.00	35.26	274.548	4,153.84	152.15	-2,139.59	-1,743.02	0.00	0.00	0.00
4,900.00	35.26	274.548	4,235.49	156.73	-2,197.14	-1,789.73	0.00	0.00	0.00
5,000.00	35.26	274.548	4,317.14	161.31	-2,254.70	-1,836.44	0.00	0.00	0.00
5,100.00	35.26	274.548	4,398.79	165.89	-2,312.25	-1,883.15	0.00	0.00	0.00
5,200.00	35.26	274.548	4,480.44	170.46	-2,369.80	-1,929.86	0.00	0.00	0.00

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,273.83	35.26	274.548	4,540.73	173.85	-2,412.29	-1,964.35	0.00	0.00	0.00
5,300.00	33.03	272.105	4,562.38	174.71	-2,426.95	-1,976.05	10.00	-8.52	-9.34
5,350.00	28.93	266.532	4,605.25	174.48	-2,452.66	-1,995.43	10.00	-8.20	-11.15
5,400.00	25.13	259.372	4,649.79	171.78	-2,475.18	-2,010.80	10.00	-7.61	-14.32
5,450.00	21.78	250.018	4,695.67	166.65	-2,494.35	-2,022.03	10.00	-6.70	-18.71
5,500.00	19.12	237.854	4,742.53	159.12	-2,510.01	-2,029.03	10.00	-5.32	-24.33
5,550.00	17.48	222.762	4,790.03	149.24	-2,522.05	-2,031.76	10.00	-3.29	-30.18
5,600.00	17.14	205.937	4,837.80	137.10	-2,530.37	-2,030.19	10.00	-0.68	-33.65
5,650.00	18.18	189.758	4,885.47	122.78	-2,534.92	-2,024.34	10.00	2.08	-32.36
5,700.00	20.39	176.128	4,932.68	106.40	-2,535.65	-2,014.25	10.00	4.42	-27.26
5,750.00	23.44	165.479	4,979.08	88.07	-2,532.57	-1,999.99	10.00	6.10	-21.30
5,800.00	27.05	157.340	5,024.32	67.93	-2,525.69	-1,981.67	10.00	7.22	-16.28
5,850.00	31.02	151.066	5,068.03	46.15	-2,515.07	-1,959.45	10.00	7.94	-12.55
5,900.00	35.23	146.124	5,109.90	22.89	-2,500.79	-1,933.47	10.00	8.42	-9.88
5,950.00	39.61	142.131	5,149.61	-1.68	-2,482.96	-1,903.95	10.00	8.75	-7.99
6,000.00	44.09	138.821	5,186.85	-27.37	-2,461.71	-1,871.10	10.00	8.97	-6.62
6,050.00	48.66	136.011	5,221.34	-53.99	-2,437.20	-1,835.18	10.00	9.14	-5.62
6,100.00	53.29	133.572	5,252.82	-81.32	-2,409.63	-1,796.45	10.00	9.26	-4.88
6,150.00	57.96	131.412	5,281.04	-109.17	-2,379.19	-1,755.22	10.00	9.34	-4.32
6,171.70	60.00	130.544	5,292.22	-121.36	-2,365.15	-1,736.63	10.00	9.39	-4.00
6,200.00	60.00	130.544	5,306.37	-137.30	-2,346.53	-1,712.12	0.00	0.00	0.00
6,231.70	60.00	130.544	5,322.22	-155.14	-2,325.67	-1,684.67	0.00	0.00	0.00
6,250.00	61.83	130.544	5,331.12	-165.54	-2,313.51	-1,668.67	10.00	10.00	0.00
6,300.00	66.83	130.544	5,352.77	-194.82	-2,279.28	-1,623.62	10.00	10.00	0.00
6,350.00	71.83	130.544	5,370.41	-225.22	-2,243.74	-1,576.86	10.00	10.00	0.00
6,400.00	76.83	130.544	5,383.91	-256.51	-2,207.17	-1,528.73	10.00	10.00	0.00
6,450.00	81.83	130.544	5,393.17	-288.44	-2,169.84	-1,479.61	10.00	10.00	0.00
6,500.00	86.83	130.544	5,398.11	-320.77	-2,132.04	-1,429.87	10.00	10.00	0.00
6,533.75	90.21	130.544	5,398.98	-342.70	-2,106.41	-1,396.13	10.00	10.00	0.00
6,600.00	90.21	130.544	5,398.74	-385.76	-2,056.07	-1,329.89	0.00	0.00	0.00
6,700.00	90.21	130.544	5,398.38	-450.76	-1,980.08	-1,229.89	0.00	0.00	0.00
6,800.00	90.21	130.544	5,398.02	-515.77	-1,904.09	-1,129.89	0.00	0.00	0.00
6,900.00	90.21	130.544	5,397.66	-580.77	-1,828.10	-1,029.89	0.00	0.00	0.00
7,000.00	90.21	130.544	5,397.30	-645.77	-1,752.11	-929.89	0.00	0.00	0.00
7,100.00	90.21	130.544	5,396.94	-710.78	-1,676.12	-829.89	0.00	0.00	0.00
7,200.00	90.21	130.544	5,396.59	-775.78	-1,600.13	-729.89	0.00	0.00	0.00
7,300.00	90.21	130.544	5,396.23	-840.78	-1,524.14	-629.89	0.00	0.00	0.00
7,400.00	90.21	130.544	5,395.87	-905.78	-1,448.15	-529.89	0.00	0.00	0.00
7,500.00	90.21	130.544	5,395.51	-970.79	-1,372.16	-429.89	0.00	0.00	0.00
7,600.00	90.21	130.544	5,395.15	-1,035.79	-1,296.17	-329.89	0.00	0.00	0.00
7,700.00	90.21	130.544	5,394.79	-1,100.79	-1,220.18	-229.89	0.00	0.00	0.00
7,800.00	90.21	130.544	5,394.43	-1,165.80	-1,144.18	-129.89	0.00	0.00	0.00
7,900.00	90.21	130.544	5,394.07	-1,230.80	-1,068.19	-29.89	0.00	0.00	0.00
8,000.00	90.21	130.544	5,393.71	-1,295.80	-992.20	70.11	0.00	0.00	0.00
8,100.00	90.21	130.544	5,393.35	-1,360.80	-916.21	170.10	0.00	0.00	0.00
8,200.00	90.21	130.544	5,392.99	-1,425.81	-840.22	270.10	0.00	0.00	0.00
8,300.00	90.21	130.544	5,392.63	-1,490.81	-764.23	370.10	0.00	0.00	0.00
8,400.00	90.21	130.544	5,392.28	-1,555.81	-688.24	470.10	0.00	0.00	0.00
8,500.00	90.21	130.544	5,391.92	-1,620.82	-612.25	570.10	0.00	0.00	0.00
8,600.00	90.21	130.544	5,391.56	-1,685.82	-536.26	670.10	0.00	0.00	0.00
8,700.00	90.21	130.544	5,391.20	-1,750.82	-460.27	770.10	0.00	0.00	0.00
8,800.00	90.21	130.544	5,390.84	-1,815.82	-384.28	870.10	0.00	0.00	0.00
8,900.00	90.21	130.544	5,390.48	-1,880.83	-308.29	970.10	0.00	0.00	0.00
9,000.00	90.21	130.544	5,390.12	-1,945.83	-232.30	1,070.10	0.00	0.00	0.00

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,100.00	90.21	130.544	5,389.76	-2,010.83	-156.31	1,170.10	0.00	0.00	0.00
9,200.00	90.21	130.544	5,389.40	-2,075.84	-80.32	1,270.10	0.00	0.00	0.00
9,300.00	90.21	130.544	5,389.04	-2,140.84	-4.33	1,370.10	0.00	0.00	0.00
9,400.00	90.21	130.544	5,388.68	-2,205.84	71.66	1,470.10	0.00	0.00	0.00
9,500.00	90.21	130.544	5,388.32	-2,270.84	147.65	1,570.10	0.00	0.00	0.00
9,600.00	90.21	130.544	5,387.97	-2,335.85	223.64	1,670.10	0.00	0.00	0.00
9,700.00	90.21	130.544	5,387.61	-2,400.85	299.63	1,770.09	0.00	0.00	0.00
9,800.00	90.21	130.544	5,387.25	-2,465.85	375.62	1,870.09	0.00	0.00	0.00
9,900.00	90.21	130.544	5,386.89	-2,530.85	451.61	1,970.09	0.00	0.00	0.00
10,000.00	90.21	130.544	5,386.53	-2,595.86	527.60	2,070.09	0.00	0.00	0.00
10,100.00	90.21	130.544	5,386.17	-2,660.86	603.59	2,170.09	0.00	0.00	0.00
10,200.00	90.21	130.544	5,385.81	-2,725.86	679.58	2,270.09	0.00	0.00	0.00
10,300.00	90.21	130.544	5,385.45	-2,790.87	755.57	2,370.09	0.00	0.00	0.00
10,400.00	90.21	130.544	5,385.09	-2,855.87	831.56	2,470.09	0.00	0.00	0.00
10,500.00	90.21	130.544	5,384.73	-2,920.87	907.55	2,570.09	0.00	0.00	0.00
10,600.00	90.21	130.544	5,384.37	-2,985.87	983.54	2,670.09	0.00	0.00	0.00
10,700.00	90.21	130.544	5,384.01	-3,050.88	1,059.53	2,770.09	0.00	0.00	0.00
10,800.00	90.21	130.544	5,383.66	-3,115.88	1,135.52	2,870.09	0.00	0.00	0.00
10,900.00	90.21	130.544	5,383.30	-3,180.88	1,211.51	2,970.09	0.00	0.00	0.00
11,000.00	90.21	130.544	5,382.94	-3,245.89	1,287.50	3,070.09	0.00	0.00	0.00
11,100.00	90.21	130.544	5,382.58	-3,310.89	1,363.49	3,170.09	0.00	0.00	0.00
11,200.00	90.21	130.544	5,382.22	-3,375.89	1,439.48	3,270.08	0.00	0.00	0.00
11,300.00	90.21	130.544	5,381.86	-3,440.89	1,515.47	3,370.08	0.00	0.00	0.00
11,400.00	90.21	130.544	5,381.50	-3,505.90	1,591.46	3,470.08	0.00	0.00	0.00
11,500.00	90.21	130.544	5,381.14	-3,570.90	1,667.45	3,570.08	0.00	0.00	0.00
11,600.00	90.21	130.544	5,380.78	-3,635.90	1,743.44	3,670.08	0.00	0.00	0.00
11,700.00	90.21	130.544	5,380.42	-3,700.91	1,819.43	3,770.08	0.00	0.00	0.00
11,800.00	90.21	130.544	5,380.06	-3,765.91	1,895.42	3,870.08	0.00	0.00	0.00
11,900.00	90.21	130.544	5,379.71	-3,830.91	1,971.41	3,970.08	0.00	0.00	0.00
12,000.00	90.21	130.544	5,379.35	-3,895.91	2,047.40	4,070.08	0.00	0.00	0.00
12,100.00	90.21	130.544	5,378.99	-3,960.92	2,123.39	4,170.08	0.00	0.00	0.00
12,200.00	90.21	130.544	5,378.63	-4,025.92	2,199.38	4,270.08	0.00	0.00	0.00
12,300.00	90.21	130.544	5,378.27	-4,090.92	2,275.37	4,370.08	0.00	0.00	0.00
12,400.00	90.21	130.544	5,377.91	-4,155.93	2,351.36	4,470.08	0.00	0.00	0.00
12,500.00	90.21	130.544	5,377.55	-4,220.93	2,427.35	4,570.08	0.00	0.00	0.00
12,600.00	90.21	130.544	5,377.19	-4,285.93	2,503.34	4,670.08	0.00	0.00	0.00
12,700.00	90.21	130.544	5,376.83	-4,350.93	2,579.33	4,770.08	0.00	0.00	0.00
12,800.00	90.21	130.544	5,376.47	-4,415.94	2,655.32	4,870.07	0.00	0.00	0.00
12,900.00	90.21	130.544	5,376.11	-4,480.94	2,731.31	4,970.07	0.00	0.00	0.00
13,000.00	90.21	130.544	5,375.75	-4,545.94	2,807.30	5,070.07	0.00	0.00	0.00
13,100.00	90.21	130.544	5,375.40	-4,610.94	2,883.29	5,170.07	0.00	0.00	0.00
13,200.00	90.21	130.544	5,375.04	-4,675.95	2,959.28	5,270.07	0.00	0.00	0.00
13,300.00	90.21	130.544	5,374.68	-4,740.95	3,035.27	5,370.07	0.00	0.00	0.00
13,400.00	90.21	130.544	5,374.32	-4,805.95	3,111.26	5,470.07	0.00	0.00	0.00
13,500.00	90.21	130.544	5,373.96	-4,870.96	3,187.25	5,570.07	0.00	0.00	0.00
13,600.00	90.21	130.544	5,373.60	-4,935.96	3,263.24	5,670.07	0.00	0.00	0.00
13,700.00	90.21	130.544	5,373.24	-5,000.96	3,339.23	5,770.07	0.00	0.00	0.00
13,800.00	90.21	130.544	5,372.88	-5,065.96	3,415.23	5,870.07	0.00	0.00	0.00
13,900.00	90.21	130.544	5,372.52	-5,130.97	3,491.22	5,970.07	0.00	0.00	0.00
14,000.00	90.21	130.544	5,372.16	-5,195.97	3,567.21	6,070.07	0.00	0.00	0.00
14,100.00	90.21	130.544	5,371.80	-5,260.97	3,643.20	6,170.07	0.00	0.00	0.00
14,200.00	90.21	130.544	5,371.44	-5,325.98	3,719.19	6,270.07	0.00	0.00	0.00
14,300.00	90.21	130.544	5,371.09	-5,390.98	3,795.18	6,370.06	0.00	0.00	0.00
14,323.74	90.21	130.544	5,371.00	-5,406.41	3,813.22	6,393.81	0.00	0.00	0.00

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**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)

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
North Alamito 06H BHL (- plan hits target center - Point	0.00	0.000	5,371.00	-5,406.41	3,813.22	1,896,748.200	1,246,098.327	36.205399000	-107.586574000
North Alamito 06H POE - plan misses target center by 0.02ft at 6533.79ft MD (5398.98 TVD, -342.72 N, -2106.38 E) - Point	0.00	0.000	5,399.00	-342.72	-2,106.38	1,901,811.877	1,240,178.742	36.219080000	-107.606874000

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
4,464.62	3,880.00	9 5/8" Csg	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,190.30	1,175.37	Ojo Alamo		-0.21	130.544
1,322.73	1,297.52	Kirtland		-0.21	130.544
1,526.51	1,477.80	Fruitland		-0.21	130.544
1,912.82	1,796.45	Pictured Cliffs		-0.21	130.544
2,078.50	1,931.73	Lewis		-0.21	130.544
2,409.88	2,202.30	Chacra_A		-0.21	130.544
3,729.23	3,279.56	Cliff House_Basal		-0.21	130.544
3,784.46	3,324.65	Menefee		-0.21	130.544
4,778.58	4,136.35	Point Lookout		-0.21	130.544
5,040.00	4,349.80	Mancos		-0.21	130.544
5,435.67	4,682.40	MNCS_A		-0.21	130.544
5,538.90	4,779.45	MNCS_B		-0.21	130.544
5,634.19	4,870.43	MNCS_C		-0.21	130.544
5,679.50	4,913.40	MNCS_Cms		-0.21	130.544
5,817.99	5,040.24	MNCS_D		-0.21	130.544
5,956.98	5,154.96	MNCS_E		-0.21	130.544
6,021.17	5,201.80	MNCS_F		-0.21	130.544
6,141.46	5,276.46	MNCS_G		-0.21	130.544
6,260.70	5,336.08	MNCS_H		-0.21	130.544
8,421.59	5,392.20	MNCS_I		-0.21	130.544

Planning Report

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
500.00	500.00	-18.68	8.00	KOP Begin 3°/100' build
1,675.46	1,602.64	9.11	-341.35	Begin 35.26° tangent
5,273.83	4,540.73	173.85	-2,412.29	Begin 10°/100' build/turn
6,171.70	5,292.22	-121.36	-2,365.15	Begin 60.00° tangent
6,231.70	5,322.22	-155.14	-2,325.67	Begin 10°/100' build
6,533.75	5,398.98	-342.70	-2,106.41	Begin 90.21° lateral
14,323.74	5,371.00	-5,406.41	3,813.22	PBHL @ 14323.74 MD 5371.00 TVD

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project Sandoval County, New Mexico NAD83 NM C

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site North Alamito Unit (05 & 06)

Site Position:		**Northing:**	1,902,154.601 usft	**Latitude:**	36.220102000
From:	Lat/Long	**Easting:**	1,242,285.116 usft	**Longitude:**	-107.599751000
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well North Alamito Unit 006 H, Surf loc: 88 FSL 2016 FWL Section 17-T23N-R07W

Well Position	**+N/-S**	-18.68 ft	**Northing:**	1,902,135.920 usft	**Latitude:**	36.220051000
	+E/-W	8.00 ft	**Easting:**	1,242,293.117 usft	**Longitude:**	-107.599723000
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	7,025.00 ft
Grid Convergence:		-0.80 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/9/2024	8.46	62.71	49,057.66121355

Design rev0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	-18.68	8.00	130.544

Plan Survey Tool Program **Date** 1/10/2024

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,323.74	rev0 (Original Hole)	MWD OWSG MWD - Standard	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	-18.68	8.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	-18.68	8.00	0.00	0.00	0.00	0.00	
1,675.46	35.26	274.548	1,602.64	9.11	-341.35	3.00	3.00	0.00	274.55	
5,273.83	35.26	274.548	4,540.73	173.85	-2,412.29	0.00	0.00	0.00	0.00	
6,171.70	60.00	130.544	5,292.22	-121.36	-2,365.15	10.00	2.76	-16.04	-149.40	
6,231.70	60.00	130.544	5,322.22	-155.14	-2,325.67	0.00	0.00	0.00	0.00	
6,533.75	90.21	130.544	5,398.98	-342.70	-2,106.41	10.00	10.00	0.00	0.00	
14,323.74	90.21	130.544	5,371.00	-5,406.41	3,813.22	0.00	0.00	0.00	0.00	North Alamito 06H BH

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.000	0.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
100.00	0.00	0.000	100.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
200.00	0.00	0.000	200.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
300.00	0.00	0.000	300.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
400.00	0.00	0.000	400.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
500.00	0.00	0.000	500.00	-18.68	8.00	1,902,135.920	1,242,293.117	36.220051000	-107.599723000
600.00	3.00	274.548	599.95	-18.47	5.39	1,902,136.128	1,242,290.508	36.220051471	-107.599731853
700.00	6.00	274.548	699.63	-17.85	-2.43	1,902,136.750	1,242,282.688	36.220052880	-107.599758388
800.00	9.00	274.548	798.77	-16.82	-15.44	1,902,137.785	1,242,269.678	36.220055225	-107.599802533
900.00	12.00	274.548	897.08	-15.37	-33.60	1,902,139.229	1,242,251.514	36.220058498	-107.599864166
1,000.00	15.00	274.548	994.31	-13.52	-56.87	1,902,141.080	1,242,228.246	36.220062692	-107.599943118
1,100.00	18.00	274.548	1,090.18	-11.27	-85.18	1,902,143.332	1,242,199.937	36.220067794	-107.600039173
1,200.00	21.00	274.548	1,184.43	-8.62	-118.45	1,902,145.979	1,242,166.665	36.220073790	-107.600152068
1,300.00	24.00	274.548	1,276.81	-5.59	-156.60	1,902,149.013	1,242,128.522	36.220080664	-107.600281493
1,400.00	27.00	274.548	1,367.06	-2.17	-199.51	1,902,152.426	1,242,085.611	36.220088397	-107.600427094
1,500.00	30.00	274.548	1,454.93	1.61	-247.07	1,902,156.210	1,242,038.051	36.220096968	-107.600588471
1,600.00	33.00	274.548	1,540.18	5.75	-299.15	1,902,160.352	1,241,985.972	36.220106353	-107.600765182
1,675.46	35.26	274.548	1,602.64	9.11	-341.35	1,902,163.709	1,241,943.770	36.220113957	-107.600908377
1,700.00	35.26	274.548	1,622.68	10.23	-355.47	1,902,164.833	1,241,929.644	36.220116503	-107.600956309
1,800.00	35.26	274.548	1,704.33	14.81	-413.03	1,902,169.411	1,241,872.092	36.220126873	-107.601151590
1,900.00	35.26	274.548	1,785.98	19.39	-470.58	1,902,173.989	1,241,814.540	36.220137243	-107.601346871
2,000.00	35.26	274.548	1,867.63	23.97	-528.13	1,902,178.567	1,241,756.988	36.220147613	-107.601542153
2,100.00	35.26	274.548	1,949.28	28.54	-585.68	1,902,183.145	1,241,699.436	36.220157982	-107.601737434
2,200.00	35.26	274.548	2,030.93	33.12	-643.23	1,902,187.724	1,241,641.884	36.220168352	-107.601932715
2,300.00	35.26	274.548	2,112.58	37.70	-700.79	1,902,192.302	1,241,584.332	36.220178720	-107.602127997
2,400.00	35.26	274.548	2,194.23	42.28	-758.34	1,902,196.880	1,241,526.780	36.220189089	-107.602323278
2,500.00	35.26	274.548	2,275.88	46.86	-815.89	1,902,201.458	1,241,469.228	36.220199457	-107.602518560
2,600.00	35.26	274.548	2,357.53	51.43	-873.44	1,902,206.036	1,241,411.675	36.220209825	-107.602713841
2,700.00	35.26	274.548	2,439.18	56.01	-930.99	1,902,210.614	1,241,354.123	36.220220192	-107.602909123
2,800.00	35.26	274.548	2,520.83	60.59	-988.55	1,902,215.192	1,241,296.571	36.220230560	-107.603104404
2,900.00	35.26	274.548	2,602.48	65.17	-1,046.10	1,902,219.770	1,241,239.019	36.220240926	-107.603299686
3,000.00	35.26	274.548	2,684.13	69.75	-1,103.65	1,902,224.348	1,241,181.467	36.220251293	-107.603494968
3,100.00	35.26	274.548	2,765.78	74.33	-1,161.20	1,902,228.926	1,241,123.915	36.220261659	-107.603690249
3,200.00	35.26	274.548	2,847.43	78.90	-1,218.76	1,902,233.504	1,241,066.363	36.220272025	-107.603885531
3,300.00	35.26	274.548	2,929.09	83.48	-1,276.31	1,902,238.082	1,241,008.811	36.220282391	-107.604080813
3,400.00	35.26	274.548	3,010.74	88.06	-1,333.86	1,902,242.661	1,240,951.259	36.220292756	-107.604276095
3,500.00	35.26	274.548	3,092.39	92.64	-1,391.41	1,902,247.239	1,240,893.707	36.220303121	-107.604471377
3,600.00	35.26	274.548	3,174.04	97.22	-1,448.96	1,902,251.817	1,240,836.155	36.220313486	-107.604666659
3,700.00	35.26	274.548	3,255.69	101.79	-1,506.52	1,902,256.395	1,240,778.603	36.220323850	-107.604861941
3,800.00	35.26	274.548	3,337.34	106.37	-1,564.07	1,902,260.973	1,240,721.051	36.220334214	-107.605057223
3,900.00	35.26	274.548	3,418.99	110.95	-1,621.62	1,902,265.551	1,240,663.499	36.220344578	-107.605252505
4,000.00	35.26	274.548	3,500.64	115.53	-1,679.17	1,902,270.129	1,240,605.947	36.220354941	-107.605447787
4,100.00	35.26	274.548	3,582.29	120.11	-1,736.73	1,902,274.707	1,240,548.395	36.220365304	-107.605643069
4,200.00	35.26	274.548	3,663.94	124.68	-1,794.28	1,902,279.285	1,240,490.842	36.220375667	-107.605838351
4,300.00	35.26	274.548	3,745.59	129.26	-1,851.83	1,902,283.863	1,240,433.290	36.220386029	-107.606033633
4,400.00	35.26	274.548	3,827.24	133.84	-1,909.38	1,902,288.441	1,240,375.738	36.220396391	-107.606228916
4,500.00	35.26	274.548	3,908.89	138.42	-1,966.93	1,902,293.019	1,240,318.186	36.220406753	-107.606424198
4,600.00	35.26	274.548	3,990.54	143.00	-2,024.49	1,902,297.597	1,240,260.634	36.220417115	-107.606619480
4,700.00	35.26	274.548	4,072.19	147.57	-2,082.04	1,902,302.176	1,240,203.082	36.220427476	-107.606814763
4,800.00	35.26	274.548	4,153.84	152.15	-2,139.59	1,902,306.754	1,240,145.530	36.220437837	-107.607010045
4,900.00	35.26	274.548	4,235.49	156.73	-2,197.14	1,902,311.332	1,240,087.978	36.220448197	-107.607205328
5,000.00	35.26	274.548	4,317.14	161.31	-2,254.70	1,902,315.910	1,240,030.426	36.220458557	-107.607400610
5,100.00	35.26	274.548	4,398.79	165.89	-2,312.25	1,902,320.488	1,239,972.874	36.220468917	-107.607595893
5,200.00	35.26	274.548	4,480.44	170.46	-2,369.80	1,902,325.066	1,239,915.322	36.220479277	-107.607791175
5,273.83	35.26	274.548	4,540.73	173.85	-2,412.29	1,902,328.446	1,239,872.830	36.220486925	-107.607935357

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,300.00	33.03	272.105	4,562.38	174.71	-2,426.95	1,902,329.307	1,239,858.169	36.220488726	-107.607985087
5,350.00	28.93	266.532	4,605.25	174.48	-2,452.66	1,902,329.076	1,239,832.460	36.220487102	-107.608072213
5,400.00	25.13	259.372	4,649.79	171.78	-2,475.18	1,902,326.385	1,239,809.938	36.220478844	-107.608148423
5,450.00	21.78	250.018	4,695.67	166.65	-2,494.35	1,902,321.253	1,239,790.773	36.220464015	-107.608213137
5,500.00	19.12	237.854	4,742.53	159.12	-2,510.01	1,902,313.721	1,239,775.111	36.220442726	-107.608265862
5,550.00	17.48	222.762	4,790.03	149.24	-2,522.05	1,902,303.846	1,239,763.073	36.220415141	-107.608306196
5,600.00	17.14	205.937	4,837.80	137.10	-2,530.37	1,902,291.702	1,239,754.748	36.220381470	-107.608333834
5,650.00	18.18	189.758	4,885.47	122.78	-2,534.92	1,902,277.383	1,239,750.202	36.220341968	-107.608348564
5,700.00	20.39	176.128	4,932.68	106.40	-2,535.65	1,902,260.996	1,239,749.467	36.220296937	-107.608350274
5,750.00	23.44	165.479	4,979.08	88.07	-2,532.57	1,902,242.668	1,239,752.551	36.220246718	-107.608338952
5,800.00	27.05	157.340	5,024.32	67.93	-2,525.69	1,902,222.536	1,239,759.429	36.220191695	-107.608314684
5,850.00	31.02	151.066	5,068.03	46.15	-2,515.07	1,902,200.755	1,239,770.049	36.220132286	-107.608277654
5,900.00	35.23	146.124	5,109.90	22.89	-2,500.79	1,902,177.491	1,239,784.331	36.220068942	-107.608228145
5,950.00	39.61	142.131	5,149.61	-1.68	-2,482.96	1,902,152.920	1,239,802.165	36.220002147	-107.608166532
6,000.00	44.09	138.821	5,186.85	-27.37	-2,461.71	1,902,127.229	1,239,823.416	36.219932408	-107.608093286
6,050.00	48.66	136.011	5,221.34	-53.99	-2,437.20	1,902,100.614	1,239,847.922	36.219860257	-107.608008963
6,100.00	53.29	133.572	5,252.82	-81.32	-2,409.63	1,902,073.278	1,239,875.496	36.219786241	-107.607914205
6,150.00	57.96	131.412	5,281.04	-109.17	-2,379.19	1,902,045.428	1,239,905.930	36.219710926	-107.607809734
6,171.70	60.00	130.544	5,292.22	-121.36	-2,365.15	1,902,033.237	1,239,919.966	36.219677986	-107.607761580
6,200.00	60.00	130.544	5,306.37	-137.30	-2,346.53	1,902,017.303	1,239,938.594	36.219634942	-107.607697690
6,231.70	60.00	130.544	5,322.22	-155.14	-2,325.67	1,901,999.460	1,239,959.452	36.219586742	-107.607626146
6,250.00	61.83	130.544	5,331.12	-165.54	-2,313.51	1,901,989.063	1,239,971.608	36.219558653	-107.607584454
6,300.00	66.83	130.544	5,352.77	-194.82	-2,279.28	1,901,959.778	1,240,005.842	36.219479543	-107.607467032
6,350.00	71.83	130.544	5,370.41	-225.22	-2,243.74	1,901,929.378	1,240,041.380	36.219397421	-107.607345139
6,400.00	76.83	130.544	5,383.91	-256.51	-2,207.17	1,901,898.094	1,240,077.952	36.219312910	-107.607219702
6,450.00	81.83	130.544	5,393.17	-288.44	-2,169.84	1,901,866.165	1,240,115.278	36.219226655	-107.607091675
6,500.00	86.83	130.544	5,398.11	-320.77	-2,132.04	1,901,833.833	1,240,153.076	36.219139312	-107.606962034
6,533.75	90.21	130.544	5,398.98	-342.70	-2,106.41	1,901,811.903	1,240,178.713	36.219080069	-107.606874102
6,600.00	90.21	130.544	5,398.74	-385.76	-2,056.07	1,901,768.840	1,240,229.054	36.218963739	-107.606701438
6,700.00	90.21	130.544	5,398.38	-450.76	-1,980.08	1,901,703.838	1,240,305.044	36.218788138	-107.606440803
6,800.00	90.21	130.544	5,398.02	-515.77	-1,904.09	1,901,638.835	1,240,381.034	36.218612536	-107.606180168
6,900.00	90.21	130.544	5,397.66	-580.77	-1,828.10	1,901,573.832	1,240,457.024	36.218436934	-107.605919534
7,000.00	90.21	130.544	5,397.30	-645.77	-1,752.11	1,901,508.830	1,240,533.014	36.218261331	-107.605658902
7,100.00	90.21	130.544	5,396.94	-710.78	-1,676.12	1,901,443.827	1,240,609.004	36.218085728	-107.605398270
7,200.00	90.21	130.544	5,396.59	-775.78	-1,600.13	1,901,378.824	1,240,684.994	36.217910123	-107.605137640
7,300.00	90.21	130.544	5,396.23	-840.78	-1,524.14	1,901,313.821	1,240,760.984	36.217734519	-107.604877011
7,400.00	90.21	130.544	5,395.87	-905.78	-1,448.15	1,901,248.819	1,240,836.974	36.217558913	-107.604616383
7,500.00	90.21	130.544	5,395.51	-970.79	-1,372.16	1,901,183.816	1,240,912.964	36.217383307	-107.604355757
7,600.00	90.21	130.544	5,395.15	-1,035.79	-1,296.17	1,901,118.813	1,240,988.954	36.217207701	-107.604095131
7,700.00	90.21	130.544	5,394.79	-1,100.79	-1,220.18	1,901,053.811	1,241,064.944	36.217032094	-107.603834507
7,800.00	90.21	130.544	5,394.43	-1,165.80	-1,144.18	1,900,988.808	1,241,140.934	36.216856486	-107.603573884
7,900.00	90.21	130.544	5,394.07	-1,230.80	-1,068.19	1,900,923.805	1,241,216.924	36.216680878	-107.603313262
8,000.00	90.21	130.544	5,393.71	-1,295.80	-992.20	1,900,858.803	1,241,292.914	36.216505269	-107.603052641
8,100.00	90.21	130.544	5,393.35	-1,360.80	-916.21	1,900,793.800	1,241,368.904	36.216329660	-107.602792021
8,200.00	90.21	130.544	5,392.99	-1,425.81	-840.22	1,900,728.797	1,241,444.894	36.216154049	-107.602531403
8,300.00	90.21	130.544	5,392.63	-1,490.81	-764.23	1,900,663.795	1,241,520.884	36.215978439	-107.602270785
8,400.00	90.21	130.544	5,392.28	-1,555.81	-688.24	1,900,598.792	1,241,596.874	36.215802828	-107.602010169
8,500.00	90.21	130.544	5,391.92	-1,620.82	-612.25	1,900,533.789	1,241,672.864	36.215627216	-107.601749554
8,600.00	90.21	130.544	5,391.56	-1,685.82	-536.26	1,900,468.787	1,241,748.854	36.215451603	-107.601488940
8,700.00	90.21	130.544	5,391.20	-1,750.82	-460.27	1,900,403.784	1,241,824.844	36.215275990	-107.601228327
8,800.00	90.21	130.544	5,390.84	-1,815.82	-384.28	1,900,338.781	1,241,900.834	36.215100376	-107.600967716
8,900.00	90.21	130.544	5,390.48	-1,880.83	-308.29	1,900,273.779	1,241,976.824	36.214924762	-107.600707105
9,000.00	90.21	130.544	5,390.12	-1,945.83	-232.30	1,900,208.776	1,242,052.814	36.214749147	-107.600446496
9,100.00	90.21	130.544	5,389.76	-2,010.83	-156.31	1,900,143.773	1,242,128.804	36.214573532	-107.600185888
9,200.00	90.21	130.544	5,389.40	-2,075.84	-80.32	1,900,078.771	1,242,204.794	36.214397916	-107.599925281

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,300.00	90.21	130.544	5,389.04	-2,140.84	-4.33	1,900,013.768	1,242,280.784	36.214222299	-107.599664675
9,400.00	90.21	130.544	5,388.68	-2,205.84	71.66	1,899,948.765	1,242,356.774	36.214046682	-107.599404070
9,500.00	90.21	130.544	5,388.32	-2,270.84	147.65	1,899,883.762	1,242,432.764	36.213871064	-107.599143467
9,600.00	90.21	130.544	5,387.97	-2,335.85	223.64	1,899,818.760	1,242,508.754	36.213695446	-107.598882865
9,700.00	90.21	130.544	5,387.61	-2,400.85	299.63	1,899,753.757	1,242,584.744	36.213519827	-107.598622263
9,800.00	90.21	130.544	5,387.25	-2,465.85	375.62	1,899,688.754	1,242,660.734	36.213344207	-107.598361663
9,900.00	90.21	130.544	5,386.89	-2,530.85	451.61	1,899,623.752	1,242,736.724	36.213168587	-107.598101065
10,000.00	90.21	130.544	5,386.53	-2,595.86	527.60	1,899,558.749	1,242,812.714	36.212992966	-107.597840467
10,100.00	90.21	130.544	5,386.17	-2,660.86	603.59	1,899,493.746	1,242,888.704	36.212817344	-107.597579870
10,200.00	90.21	130.544	5,385.81	-2,725.86	679.58	1,899,428.744	1,242,964.694	36.212641722	-107.597319275
10,300.00	90.21	130.544	5,385.45	-2,790.87	755.57	1,899,363.741	1,243,040.684	36.212466100	-107.597058681
10,400.00	90.21	130.544	5,385.09	-2,855.87	831.56	1,899,298.738	1,243,116.674	36.212290477	-107.596798088
10,500.00	90.21	130.544	5,384.73	-2,920.87	907.55	1,899,233.736	1,243,192.664	36.212114853	-107.596537496
10,600.00	90.21	130.544	5,384.37	-2,985.87	983.54	1,899,168.733	1,243,268.654	36.211939228	-107.596276905
10,700.00	90.21	130.544	5,384.01	-3,050.88	1,059.53	1,899,103.730	1,243,344.644	36.211763603	-107.596016316
10,800.00	90.21	130.544	5,383.66	-3,115.88	1,135.52	1,899,038.728	1,243,420.634	36.211587978	-107.595755727
10,900.00	90.21	130.544	5,383.30	-3,180.88	1,211.51	1,898,973.725	1,243,496.624	36.211412352	-107.595495140
11,000.00	90.21	130.544	5,382.94	-3,245.89	1,287.50	1,898,908.722	1,243,572.614	36.211236725	-107.595234554
11,100.00	90.21	130.544	5,382.58	-3,310.89	1,363.49	1,898,843.720	1,243,648.604	36.211061097	-107.594973969
11,200.00	90.21	130.544	5,382.22	-3,375.89	1,439.48	1,898,778.717	1,243,724.594	36.210885469	-107.594713385
11,300.00	90.21	130.544	5,381.86	-3,440.89	1,515.47	1,898,713.714	1,243,800.584	36.210709841	-107.594452803
11,400.00	90.21	130.544	5,381.50	-3,505.90	1,591.46	1,898,648.712	1,243,876.574	36.210534212	-107.594192221
11,500.00	90.21	130.544	5,381.14	-3,570.90	1,667.45	1,898,583.709	1,243,952.564	36.210358582	-107.593931641
11,600.00	90.21	130.544	5,380.78	-3,635.90	1,743.44	1,898,518.706	1,244,028.554	36.210182951	-107.593671062
11,700.00	90.21	130.544	5,380.42	-3,700.91	1,819.43	1,898,453.704	1,244,104.544	36.210007320	-107.593410484
11,800.00	90.21	130.544	5,380.06	-3,765.91	1,895.42	1,898,388.701	1,244,180.534	36.209831689	-107.593149907
11,900.00	90.21	130.544	5,379.71	-3,830.91	1,971.41	1,898,323.698	1,244,256.524	36.209656057	-107.592889331
12,000.00	90.21	130.544	5,379.35	-3,895.91	2,047.40	1,898,258.695	1,244,332.514	36.209480424	-107.592628757
12,100.00	90.21	130.544	5,378.99	-3,960.92	2,123.39	1,898,193.693	1,244,408.504	36.209304790	-107.592368184
12,200.00	90.21	130.544	5,378.63	-4,025.92	2,199.38	1,898,128.690	1,244,484.494	36.209129157	-107.592107611
12,300.00	90.21	130.544	5,378.27	-4,090.92	2,275.37	1,898,063.687	1,244,560.484	36.208953522	-107.591847040
12,400.00	90.21	130.544	5,377.91	-4,155.93	2,351.36	1,897,998.685	1,244,636.474	36.208777887	-107.591586471
12,500.00	90.21	130.544	5,377.55	-4,220.93	2,427.35	1,897,933.682	1,244,712.464	36.208602251	-107.591325902
12,600.00	90.21	130.544	5,377.19	-4,285.93	2,503.34	1,897,868.679	1,244,788.454	36.208426615	-107.591065334
12,700.00	90.21	130.544	5,376.83	-4,350.93	2,579.33	1,897,803.677	1,244,864.444	36.208250978	-107.590804768
12,800.00	90.21	130.544	5,376.47	-4,415.94	2,655.32	1,897,738.674	1,244,940.434	36.208075340	-107.590544203
12,900.00	90.21	130.544	5,376.11	-4,480.94	2,731.31	1,897,673.671	1,245,016.424	36.207899702	-107.590283639
13,000.00	90.21	130.544	5,375.75	-4,545.94	2,807.30	1,897,608.669	1,245,092.414	36.207724063	-107.590023076
13,100.00	90.21	130.544	5,375.40	-4,610.94	2,883.29	1,897,543.666	1,245,168.404	36.207548424	-107.589762514
13,200.00	90.21	130.544	5,375.04	-4,675.95	2,959.28	1,897,478.663	1,245,244.394	36.207372784	-107.589501953
13,300.00	90.21	130.544	5,374.68	-4,740.95	3,035.27	1,897,413.661	1,245,320.384	36.207197143	-107.589241394
13,400.00	90.21	130.544	5,374.32	-4,805.95	3,111.26	1,897,348.658	1,245,396.374	36.207021502	-107.588980836
13,500.00	90.21	130.544	5,373.96	-4,870.96	3,187.25	1,897,283.655	1,245,472.364	36.206845861	-107.588720279
13,600.00	90.21	130.544	5,373.60	-4,935.96	3,263.24	1,897,218.653	1,245,548.354	36.206670218	-107.588459723
13,700.00	90.21	130.544	5,373.24	-5,000.96	3,339.23	1,897,153.650	1,245,624.344	36.206494575	-107.588199168
13,800.00	90.21	130.544	5,372.88	-5,065.96	3,415.23	1,897,088.647	1,245,700.334	36.206318932	-107.587938614
13,900.00	90.21	130.544	5,372.52	-5,130.97	3,491.22	1,897,023.645	1,245,776.324	36.206143288	-107.587678062
14,000.00	90.21	130.544	5,372.16	-5,195.97	3,567.21	1,896,958.642	1,245,852.314	36.205967643	-107.587417511
14,100.00	90.21	130.544	5,371.80	-5,260.97	3,643.20	1,896,893.639	1,245,928.304	36.205791998	-107.587156960
14,200.00	90.21	130.544	5,371.44	-5,325.98	3,719.19	1,896,828.636	1,246,004.294	36.205616352	-107.586896411
14,300.00	90.21	130.544	5,371.09	-5,390.98	3,795.18	1,896,763.634	1,246,080.284	36.205440705	-107.586635864
14,323.74	90.21	130.544	5,371.00	-5,406.41	3,813.22	1,896,748.200	1,246,098.327	36.205399000	-107.586574000

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
North Alamito 06H BHL (- plan hits target center - Point	0.00	0.000	5,371.00	-5,406.41	3,813.22	1,896,748.200	1,246,098.327	36.205399000	-107.586574000
North Alamito 06H POE - plan misses target center by 0.02ft at 6533.79ft MD (5398.98 TVD, -342.72 N, -2106.38 E) - Point	0.00	0.000	5,399.00	-342.72	-2,106.38	1,901,811.877	1,240,178.742	36.219080000	-107.606874000

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	13 3/8" Csg	13-3/8	17-1/2
4,464.62	3,880.00	9 5/8" Csg	9-5/8	12-1/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,190.30	1,175.37	Ojo Alamo		-0.21	130.544
1,322.73	1,297.52	Kirtland		-0.21	130.544
1,526.51	1,477.80	Fruitland		-0.21	130.544
1,912.82	1,796.45	Pictured Cliffs		-0.21	130.544
2,078.50	1,931.73	Lewis		-0.21	130.544
2,409.88	2,202.30	Chacra_A		-0.21	130.544
3,729.23	3,279.56	Cliff House_Basal		-0.21	130.544
3,784.46	3,324.65	Menefee		-0.21	130.544
4,778.58	4,136.35	Point Lookout		-0.21	130.544
5,040.00	4,349.80	Mancos		-0.21	130.544
5,435.67	4,682.40	MNCS_A		-0.21	130.544
5,538.90	4,779.45	MNCS_B		-0.21	130.544
5,634.19	4,870.43	MNCS_C		-0.21	130.544
5,679.50	4,913.40	MNCS_Cms		-0.21	130.544
5,817.99	5,040.24	MNCS_D		-0.21	130.544
5,956.98	5,154.96	MNCS_E		-0.21	130.544
6,021.17	5,201.80	MNCS_F		-0.21	130.544
6,141.46	5,276.46	MNCS_G		-0.21	130.544
6,260.70	5,336.08	MNCS_H		-0.21	130.544
8,421.59	5,392.20	MNCS_I		-0.21	130.544

Planning Report - Geographic

Database:	DT_Aug2923v16	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Project:	Sandoval County, New Mexico NAD83 NM C	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site:	North Alamito Unit (05 & 06)	**North Reference:**	Grid
Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
500.00	500.00	-18.68	8.00	KOP Begin 3°/100' build
1,675.46	1,602.64	9.11	-341.35	Begin 35.26° tangent
5,273.83	4,540.73	173.85	-2,412.29	Begin 10°/100' build/turn
6,171.70	5,292.22	-121.36	-2,365.15	Begin 60.00° tangent
6,231.70	5,322.22	-155.14	-2,325.67	Begin 10°/100' build
6,533.75	5,398.98	-342.70	-2,106.41	Begin 90.21° lateral
14,323.74	5,371.00	-5,406.41	3,813.22	PBHL @ 14323.74 MD 5371.00 TVD

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference rev0

Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.00ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,632.37ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 1/10/2024

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	14,323.74	rev0 (Original Hole)	MWD	OWSG MWD - Standard

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
North Alamito Unit (05 & 06)						
North Alamito Unit 005 H - Original Hole - rev0	690.14	689.83	17.99	13.50	4.008	CC
North Alamito Unit 005 H - Original Hole - rev0	700.00	699.63	18.02	13.46	3.952	ES
North Alamito Unit 005 H - Original Hole - rev0	14,323.74	12,208.44	1,200.32	840.93	3.340	SF
North Alamito Unit (102 & 106)						
North Alamito Unit 102 H - Original Hole - rev0	6,399.51	7,406.95	1,200.25	1,103.38	12.390	CC
North Alamito Unit 102 H - Original Hole - rev0	14,323.74	15,329.94	1,200.59	774.00	2.814	ES, SF

Offset Design: North Alamito Unit (05 & 06) - North Alamito Unit 005 H - Original Hole - rev0 — **Offset Site Error:** 0.00 ft

Survey Program: 0-MWD — **Rule Assigned:** — **Offset Well Error:** 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-23.19	0.00	0.00	20.32				
100.00	100.00	100.00	100.00	0.13	0.13	-23.19	0.00	0.00	20.32	20.05	0.27	75.590	
200.00	200.00	200.00	200.00	0.49	0.49	-23.19	0.00	0.00	20.32	19.34	0.99	20.615	
300.00	300.00	300.00	300.00	0.85	0.85	-23.19	0.00	0.00	20.32	18.62	1.70	11.935	
400.00	400.00	400.00	400.00	1.21	1.21	-23.19	0.00	0.00	20.32	17.90	2.42	8.399	
500.00	500.00	500.00	500.00	1.57	1.57	-23.19	0.00	0.00	20.32	17.19	3.14	6.479	
600.00	599.95	599.95	599.95	1.92	1.93	69.21	0.00	0.00	19.24	15.40	3.85	5.003	
690.14	689.83	689.83	689.83	2.24	2.25	90.00	0.00	0.00	17.99	13.50	4.49	4.008	CC
700.00	699.63	699.63	699.63	2.28	2.28	93.18	0.00	0.00	18.02	13.46	4.56	3.952	ES
800.00	798.77	798.77	798.77	2.65	2.64	127.66	0.00	0.00	22.83	17.55	5.28	4.323	
900.00	897.08	897.08	897.08	3.05	2.99	150.33	0.00	0.00	36.95	30.95	6.00	6.156	
1,000.00	994.31	994.31	994.31	3.50	3.34	161.49	0.00	0.00	58.46	51.74	6.72	8.698	
1,100.00	1,090.18	1,094.26	1,094.22	4.00	3.69	167.18	0.16	-2.32	83.74	76.31	7.44	11.262	
1,200.00	1,184.43	1,195.84	1,195.50	4.57	4.05	170.26	0.69	-10.01	109.40	101.26	8.15	13.428	
1,300.00	1,276.81	1,298.94	1,297.72	5.22	4.42	172.19	1.61	-23.29	135.12	126.26	8.86	15.246	
1,400.00	1,367.06	1,403.61	1,400.61	5.96	4.82	173.52	2.92	-42.39	160.74	151.16	9.58	16.773	
1,500.00	1,454.93	1,501.69	1,496.29	6.80	5.22	174.46	4.40	-63.89	187.81	177.47	10.34	18.165	
1,600.00	1,540.18	1,596.38	1,588.64	7.74	5.62	175.25	5.84	-84.76	219.79	208.68	11.11	19.783	
1,700.00	1,622.68	1,689.32	1,679.29	8.79	6.03	175.92	7.26	-105.25	256.56	244.67	11.89	21.574	
1,800.00	1,704.33	1,781.71	1,769.39	9.89	6.45	176.49	8.66	-125.62	294.74	282.08	12.66	23.274	
1,900.00	1,785.98	1,874.10	1,859.50	11.01	6.87	176.94	10.06	-145.99	332.94	319.49	13.45	24.759	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (05 & 06) - North Alamito Unit 005 H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
2,000.00	1,867.63	1,966.49	1,949.60	12.15	7.30	177.29	11.47	-166.36	371.15	356.91	14.24	26.064	
2,100.00	1,949.28	2,058.88	2,039.71	13.31	7.74	177.57	12.87	-186.73	409.38	394.34	15.04	27.217	
2,200.00	2,030.93	2,151.27	2,129.81	14.47	8.18	177.81	14.28	-207.09	447.61	431.76	15.85	28.241	
2,300.00	2,112.58	2,243.66	2,219.92	15.65	8.63	178.01	15.68	-227.46	485.84	469.18	16.66	29.156	
2,400.00	2,194.23	2,336.05	2,310.02	16.82	9.08	178.18	17.08	-247.83	524.08	506.60	17.48	29.978	
2,500.00	2,275.88	2,428.43	2,400.13	18.01	9.53	178.33	18.49	-268.20	562.33	544.02	18.31	30.718	
2,600.00	2,357.53	2,520.82	2,490.23	19.19	9.98	178.46	19.89	-288.57	600.57	581.44	19.13	31.388	
2,700.00	2,439.18	2,613.21	2,580.34	20.38	10.44	178.57	21.30	-308.93	638.82	618.86	19.96	31.998	
2,800.00	2,520.83	2,705.60	2,670.44	21.58	10.89	178.67	22.70	-329.30	677.07	656.27	20.80	32.555	
2,900.00	2,602.48	2,797.99	2,760.55	22.77	11.35	178.76	24.10	-349.67	715.32	693.69	21.63	33.065	
3,000.00	2,684.13	2,890.38	2,850.65	23.97	11.81	178.84	25.51	-370.04	753.58	731.10	22.47	33.534	
3,100.00	2,765.78	2,982.77	2,940.76	25.16	12.28	178.91	26.91	-390.41	791.83	768.52	23.31	33.966	
3,200.00	2,847.43	3,075.16	3,030.87	26.36	12.74	178.98	28.32	-410.77	830.08	805.93	24.15	34.366	
3,300.00	2,929.09	3,167.55	3,120.97	27.57	13.20	179.04	29.72	-431.14	868.34	843.34	25.00	34.736	
3,400.00	3,010.74	3,259.94	3,211.08	28.77	13.67	179.10	31.12	-451.51	906.60	880.75	25.84	35.080	
3,500.00	3,092.39	3,352.33	3,301.18	29.97	14.14	179.15	32.53	-471.88	944.86	918.17	26.69	35.401	
3,600.00	3,174.04	3,444.72	3,391.29	31.17	14.60	179.19	33.93	-492.25	983.11	955.58	27.54	35.700	
3,700.00	3,255.69	3,537.11	3,481.39	32.38	15.07	179.24	35.34	-512.61	1,021.37	992.99	28.39	35.980	
3,800.00	3,337.34	3,629.50	3,571.50	33.58	15.54	179.28	36.74	-532.98	1,059.63	1,030.39	29.24	36.242	
3,900.00	3,418.99	3,721.88	3,661.60	34.79	16.01	179.31	38.14	-553.35	1,097.89	1,067.80	30.09	36.489	
4,000.00	3,500.64	3,814.27	3,751.71	36.00	16.48	179.35	39.55	-573.72	1,136.15	1,105.21	30.94	36.720	
4,100.00	3,582.29	3,906.66	3,841.81	37.20	16.95	179.38	40.95	-594.09	1,174.41	1,142.62	31.79	36.939	
4,200.00	3,663.94	3,999.05	3,931.92	38.41	17.42	179.41	42.36	-614.45	1,212.67	1,180.02	32.65	37.145	
4,300.00	3,745.59	4,091.44	4,022.02	39.62	17.89	179.44	43.76	-634.82	1,250.93	1,217.43	33.50	37.340	
4,400.00	3,827.24	4,183.83	4,112.13	40.83	18.36	179.47	45.16	-655.19	1,289.19	1,254.84	34.36	37.524	
4,500.00	3,908.89	4,268.55	4,194.76	42.03	18.79	179.49	46.45	-673.84	1,327.51	1,292.36	35.15	37.764	
4,600.00	3,990.54	4,322.27	4,247.37	43.24	19.05	179.51	47.19	-684.64	1,367.60	1,331.91	35.69	38.318	
4,700.00	4,072.19	4,374.64	4,298.95	44.45	19.29	179.52	47.82	-693.75	1,410.22	1,374.03	36.19	38.967	
4,800.00	4,153.84	4,425.66	4,349.40	45.66	19.51	179.53	48.34	-701.26	1,455.27	1,418.62	36.65	39.705	
4,900.00	4,235.49	4,475.29	4,398.66	46.87	19.71	179.54	48.75	-707.27	1,502.66	1,465.58	37.08	40.528	
5,000.00	4,317.14	4,523.52	4,446.67	48.08	19.89	179.55	49.07	-711.89	1,552.29	1,514.82	37.47	41.432	
5,100.00	4,398.79	4,570.37	4,493.40	49.29	20.06	179.56	49.30	-715.22	1,604.07	1,566.24	37.82	42.411	
6,400.00	5,383.91	5,100.00	5,017.82	53.78	21.33	-64.28	23.15	-687.71	1,587.77	1,547.51	40.26	39.438	
6,500.00	5,398.11	5,100.00	5,017.82	53.95	21.33	-70.37	23.15	-687.71	1,532.65	1,490.99	41.66	36.790	
6,600.00	5,398.74	5,127.12	5,042.77	54.15	21.35	-73.60	16.25	-679.64	1,477.46	1,433.55	43.91	33.647	
6,700.00	5,398.38	5,150.00	5,063.41	54.42	21.37	-74.52	9.84	-672.14	1,426.55	1,380.07	46.48	30.690	
6,800.00	5,398.02	5,164.57	5,076.35	54.77	21.38	-75.09	5.48	-667.04	1,380.38	1,331.06	49.32	27.986	
6,900.00	5,397.66	5,200.00	5,107.05	55.20	21.41	-76.47	-6.01	-653.62	1,339.48	1,286.95	52.54	25.496	
7,000.00	5,397.30	5,214.26	5,119.08	55.71	21.41	-77.02	-10.98	-647.81	1,303.78	1,247.89	55.89	23.326	
7,100.00	5,396.94	5,250.00	5,148.39	56.30	21.43	-78.36	-24.27	-632.27	1,273.85	1,214.43	59.42	21.438	
7,200.00	5,396.59	5,282.04	5,173.54	56.98	21.44	-79.52	-37.17	-617.18	1,249.58	1,186.59	62.99	19.837	
7,300.00	5,396.23	5,325.33	5,205.66	57.74	21.46	-81.01	-56.02	-595.16	1,230.92	1,164.42	66.50	18.511	
7,400.00	5,395.87	5,376.61	5,240.77	58.60	21.48	-82.66	-80.31	-566.76	1,217.50	1,147.66	69.84	17.432	
7,500.00	5,395.51	5,437.25	5,277.76	59.54	21.52	-84.41	-111.52	-530.27	1,208.70	1,135.76	72.95	16.570	
7,600.00	5,395.15	5,512.30	5,316.85	60.57	21.60	-86.28	-153.15	-481.62	1,203.61	1,127.85	75.76	15.887	
7,700.00	5,394.79	5,594.94	5,356.10	61.68	21.77	-88.16	-200.39	-426.39	1,200.97	1,122.48	78.48	15.303	
7,800.00	5,394.43	5,684.76	5,387.26	62.88	22.08	-89.66	-255.09	-362.45	1,200.23	1,119.17	81.06	14.807	
7,830.03	5,394.32	5,713.64	5,394.44	63.26	22.22	-90.01	-273.27	-341.20	1,200.21	1,118.39	81.82	14.669	
7,900.00	5,394.07	5,783.39	5,405.89	64.16	22.63	-90.56	-317.97	-288.94	1,200.26	1,116.69	83.57	14.362	
8,000.00	5,393.71	5,884.77	5,408.91	65.51	23.43	-90.73	-383.80	-211.99	1,200.30	1,114.14	86.16	13.931	
8,100.00	5,393.35	5,984.77	5,408.71	66.93	24.47	-90.73	-448.80	-136.00	1,200.30	1,111.33	88.97	13.491	
8,200.00	5,392.99	6,084.77	5,408.51	68.42	25.71	-90.74	-513.81	-60.01	1,200.30	1,108.31	91.99	13.048	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (05 & 06) - North Alamito Unit 005 H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Rule Assigned: Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
8,300.00	5,392.63	6,184.77	5,408.30	69.97	27.12	-90.75	-578.81	15.98	1,200.30	1,105.11	95.18	12.610	
8,400.00	5,392.28	6,284.77	5,408.10	71.57	28.66	-90.76	-643.82	91.97	1,200.30	1,101.76	98.54	12.181	
8,500.00	5,391.92	6,384.77	5,407.89	73.23	30.32	-90.76	-708.82	167.95	1,200.30	1,098.27	102.03	11.764	
8,600.00	5,391.56	6,484.77	5,407.69	74.94	32.06	-90.77	-773.83	243.94	1,200.30	1,094.66	105.64	11.362	
8,700.00	5,391.20	6,584.77	5,407.48	76.69	33.88	-90.78	-838.83	319.93	1,200.30	1,090.94	109.35	10.976	
8,800.00	5,390.84	6,684.77	5,407.28	78.48	35.77	-90.78	-903.84	395.92	1,200.30	1,087.14	113.15	10.608	
8,900.00	5,390.48	6,784.77	5,407.08	80.31	37.71	-90.79	-968.84	471.91	1,200.30	1,083.26	117.03	10.256	
9,000.00	5,390.12	6,884.77	5,406.87	82.17	39.69	-90.80	-1,033.85	547.90	1,200.30	1,079.32	120.98	9.922	
9,100.00	5,389.76	6,984.77	5,406.67	84.07	41.72	-90.81	-1,098.85	623.89	1,200.30	1,075.31	124.98	9.604	
9,200.00	5,389.40	7,084.77	5,406.46	85.99	43.77	-90.81	-1,163.86	699.88	1,200.30	1,071.25	129.04	9.302	
9,300.00	5,389.04	7,184.76	5,406.26	87.94	45.86	-90.82	-1,228.86	775.87	1,200.30	1,067.15	133.15	9.015	
9,400.00	5,388.68	7,284.76	5,406.05	89.91	47.97	-90.83	-1,293.86	851.85	1,200.30	1,063.00	137.30	8.742	
9,500.00	5,388.32	7,384.76	5,405.85	91.90	50.11	-90.84	-1,358.87	927.84	1,200.30	1,058.81	141.48	8.484	
9,600.00	5,387.97	7,484.76	5,405.65	93.92	52.26	-90.84	-1,423.87	1,003.83	1,200.30	1,054.59	145.70	8.238	
9,610.05	5,387.93	7,494.81	5,405.63	94.12	52.48	-90.84	-1,430.40	1,011.47	1,200.30	1,054.17	146.13	8.214	
9,700.00	5,387.61	7,584.76	5,405.44	95.95	54.43	-90.85	-1,488.88	1,079.82	1,200.30	1,050.34	149.95	8.004	
9,800.00	5,387.25	7,684.76	5,405.24	98.00	56.62	-90.86	-1,553.88	1,155.81	1,200.30	1,046.06	154.23	7.782	
9,900.00	5,386.89	7,784.76	5,405.03	100.07	58.82	-90.87	-1,618.89	1,231.80	1,200.30	1,041.76	158.54	7.571	
10,000.00	5,386.53	7,884.76	5,404.83	102.15	61.03	-90.87	-1,683.89	1,307.79	1,200.30	1,037.43	162.86	7.370	
10,100.00	5,386.17	7,984.76	5,404.63	104.25	63.25	-90.88	-1,748.90	1,383.78	1,200.30	1,033.08	167.21	7.178	
10,200.00	5,385.81	8,084.76	5,404.42	106.36	65.48	-90.89	-1,813.90	1,459.77	1,200.30	1,028.71	171.58	6.996	
10,300.00	5,385.45	8,184.76	5,404.22	108.48	67.72	-90.90	-1,878.91	1,535.76	1,200.30	1,024.33	175.97	6.821	
10,400.00	5,385.09	8,284.76	5,404.01	110.61	69.97	-90.90	-1,943.91	1,611.74	1,200.30	1,019.93	180.37	6.655	
10,500.00	5,384.73	8,384.76	5,403.81	112.75	72.22	-90.91	-2,008.92	1,687.73	1,200.30	1,015.51	184.79	6.496	
10,600.00	5,384.37	8,484.76	5,403.60	114.90	74.49	-90.92	-2,073.92	1,763.72	1,200.30	1,011.08	189.22	6.343	
10,700.00	5,384.01	8,584.76	5,403.40	117.06	76.75	-90.93	-2,138.93	1,839.71	1,200.30	1,006.63	193.66	6.198	
10,800.00	5,383.66	8,684.76	5,403.20	119.23	79.03	-90.93	-2,203.93	1,915.70	1,200.30	1,002.17	198.12	6.058	
10,900.00	5,383.30	8,784.76	5,402.99	121.41	81.31	-90.94	-2,268.94	1,991.69	1,200.30	997.71	202.59	5.925	
11,000.00	5,382.94	8,884.76	5,402.79	123.60	83.59	-90.95	-2,333.94	2,067.68	1,200.30	993.23	207.07	5.797	
11,100.00	5,382.58	8,984.76	5,402.58	125.79	85.87	-90.95	-2,398.95	2,143.67	1,200.30	988.74	211.56	5.673	
11,200.00	5,382.22	9,084.76	5,402.38	127.99	88.17	-90.96	-2,463.95	2,219.66	1,200.30	984.24	216.06	5.555	
11,300.00	5,381.86	9,184.76	5,402.17	130.19	90.46	-90.97	-2,528.96	2,295.64	1,200.30	979.73	220.57	5.442	
11,400.00	5,381.50	9,284.76	5,401.97	132.40	92.76	-90.98	-2,593.96	2,371.63	1,200.30	975.21	225.09	5.333	
11,500.00	5,381.14	9,384.76	5,401.77	134.62	95.06	-90.98	-2,658.96	2,447.62	1,200.30	970.69	229.61	5.227	
11,600.00	5,380.78	9,484.76	5,401.56	136.84	97.36	-90.99	-2,723.97	2,523.61	1,200.30	966.15	234.15	5.126	
11,700.00	5,380.42	9,584.76	5,401.36	139.06	99.67	-91.00	-2,788.97	2,599.60	1,200.30	961.61	238.69	5.029	
11,800.00	5,380.06	9,684.76	5,401.15	141.29	101.98	-91.01	-2,853.98	2,675.59	1,200.30	957.07	243.23	4.935	
11,900.00	5,379.71	9,784.76	5,400.95	143.53	104.29	-91.01	-2,918.98	2,751.58	1,200.30	952.52	247.78	4.844	
12,000.00	5,379.35	9,884.76	5,400.75	145.77	106.60	-91.02	-2,983.99	2,827.57	1,200.30	947.96	252.34	4.757	
12,100.00	5,378.99	9,984.76	5,400.54	148.01	108.92	-91.03	-3,048.99	2,903.56	1,200.30	943.40	256.91	4.672	
12,200.00	5,378.63	10,084.76	5,400.34	150.26	111.23	-91.04	-3,114.00	2,979.54	1,200.30	938.83	261.47	4.591	
12,300.00	5,378.27	10,184.76	5,400.13	152.51	113.55	-91.04	-3,179.00	3,055.53	1,200.30	934.25	266.05	4.512	
12,400.00	5,377.91	10,284.76	5,399.93	154.77	115.87	-91.05	-3,244.01	3,131.52	1,200.30	929.68	270.63	4.435	
12,500.00	5,377.55	10,384.76	5,399.72	157.02	118.20	-91.06	-3,309.01	3,207.51	1,200.30	925.09	275.21	4.361	
12,600.00	5,377.19	10,484.76	5,399.52	159.28	120.52	-91.07	-3,374.02	3,283.50	1,200.30	920.51	279.80	4.290	
12,700.00	5,376.83	10,584.76	5,399.32	161.55	122.85	-91.07	-3,439.02	3,359.49	1,200.31	915.92	284.39	4.221	
12,800.00	5,376.47	10,684.76	5,399.11	163.82	125.17	-91.08	-3,504.03	3,435.48	1,200.31	911.32	288.98	4.154	
12,900.00	5,376.11	10,784.76	5,398.91	166.09	127.50	-91.09	-3,569.03	3,511.47	1,200.31	906.72	293.58	4.088	
13,000.00	5,375.75	10,884.76	5,398.70	168.36	129.83	-91.10	-3,634.04	3,587.46	1,200.31	902.12	298.18	4.025	
13,100.00	5,375.40	10,984.76	5,398.50	170.63	132.16	-91.10	-3,699.04	3,663.44	1,200.31	897.52	302.79	3.964	
13,200.00	5,375.04	11,084.76	5,398.29	172.91	134.49	-91.11	-3,764.05	3,739.43	1,200.31	892.91	307.40	3.905	
13,300.00	5,374.68	11,184.76	5,398.09	175.19	136.82	-91.12	-3,829.05	3,815.42	1,200.31	888.30	312.01	3.847	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (05 & 06) - North Alamito Unit 005 H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Rule Assigned:

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
13,400.00	5,374.32	11,284.76	5,397.89	177.47	139.15	-91.13	-3,894.06	3,891.41	1,200.31	883.68	316.63	3.791	
13,500.00	5,373.96	11,384.76	5,397.68	179.75	141.49	-91.13	-3,959.06	3,967.40	1,200.31	879.06	321.25	3.736	
13,600.00	5,373.60	11,484.76	5,397.48	182.04	143.82	-91.14	-4,024.06	4,043.39	1,200.31	874.44	325.87	3.683	
13,700.00	5,373.24	11,584.76	5,397.27	184.33	146.16	-91.15	-4,089.07	4,119.38	1,200.31	869.82	330.49	3.632	
13,800.00	5,372.88	11,684.76	5,397.07	186.62	148.50	-91.15	-4,154.07	4,195.37	1,200.31	865.19	335.12	3.582	
13,900.00	5,372.52	11,784.76	5,396.87	188.91	150.83	-91.16	-4,219.08	4,271.36	1,200.31	860.57	339.75	3.533	
14,000.00	5,372.16	11,884.76	5,396.66	191.20	153.17	-91.17	-4,284.08	4,347.35	1,200.31	855.94	344.38	3.485	
14,100.00	5,371.80	11,984.76	5,396.46	193.50	155.51	-91.18	-4,349.09	4,423.33	1,200.32	851.30	349.01	3.439	
14,200.00	5,371.44	12,084.76	5,396.25	195.80	157.85	-91.18	-4,414.09	4,499.32	1,200.32	846.67	353.65	3.394	
14,300.00	5,371.09	12,184.76	5,396.05	198.09	160.19	-91.19	-4,479.10	4,575.31	1,200.32	842.03	358.29	3.350	
14,300.28	5,371.08	12,185.04	5,396.05	198.10	160.20	-91.19	-4,479.28	4,575.53	1,200.32	842.02	358.30	3.350	
14,323.74	5,371.00	12,208.44	5,396.00	198.64	160.74	-91.19	-4,494.49	4,593.30	1,200.32	840.93	359.39	3.340 SF	

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (102 & 106) - North Alamito Unit 102 H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,300.00	4,562.38	6,963.93	5,322.93	51.70	44.85	-76.03	-880.29	-3,324.39	1,611.41	1,535.85	75.56	21.326	
5,400.00	4,649.79	6,928.78	5,323.09	52.67	44.34	-53.09	-857.44	-3,351.11	1,539.05	1,461.83	77.22	19.931	
5,500.00	4,742.53	6,910.11	5,323.18	53.33	44.07	-22.00	-845.31	-3,365.29	1,467.87	1,388.85	79.02	18.576	
5,600.00	4,837.80	6,908.51	5,323.18	53.70	44.05	17.38	-844.26	-3,366.51	1,401.04	1,320.12	80.93	17.312	
5,700.00	4,932.68	6,924.01	5,323.11	53.84	44.28	52.02	-854.34	-3,354.72	1,341.45	1,258.55	82.90	16.181	
5,800.00	5,024.32	6,956.16	5,322.96	53.83	44.74	73.17	-875.24	-3,330.30	1,291.41	1,206.51	84.91	15.209	
5,900.00	5,109.90	7,003.96	5,322.74	53.75	45.44	84.66	-906.31	-3,293.97	1,252.45	1,165.56	86.89	14.414	
6,000.00	5,186.85	7,065.98	5,322.45	53.66	46.38	90.60	-946.62	-3,246.85	1,225.12	1,136.26	88.85	13.788	
6,100.00	5,252.82	7,140.32	5,322.10	53.60	47.54	93.23	-994.95	-3,190.36	1,209.03	1,118.24	90.79	13.317	
6,200.00	5,306.37	7,224.40	5,321.71	53.60	48.89	93.23	-1,049.60	-3,126.46	1,202.80	1,110.04	92.76	12.967	
6,300.00	5,352.77	7,312.68	5,321.30	53.66	50.35	91.38	-1,106.99	-3,059.38	1,200.67	1,105.90	94.77	12.669	
6,399.51	5,383.80	7,406.95	5,320.86	53.78	51.97	90.00	-1,168.27	-2,987.75	1,200.25	1,103.38	96.87	12.390 CC	
6,400.00	5,383.91	7,407.43	5,320.86	53.78	51.97	90.00	-1,168.58	-2,987.38	1,200.25	1,103.37	96.88	12.389	
6,500.00	5,398.11	7,506.22	5,320.40	53.95	53.71	89.30	-1,232.80	-2,912.31	1,200.34	1,101.23	99.12	12.111	
6,600.00	5,398.74	7,606.20	5,319.94	54.15	55.51	89.25	-1,297.79	-2,836.34	1,200.36	1,098.91	101.45	11.832	
6,700.00	5,398.38	7,706.20	5,319.47	54.42	57.36	89.24	-1,362.79	-2,760.35	1,200.36	1,096.43	103.93	11.550	
6,800.00	5,398.02	7,806.20	5,319.01	54.77	59.24	89.24	-1,427.79	-2,684.36	1,200.36	1,093.80	106.56	11.265	
6,900.00	5,397.66	7,906.20	5,318.54	55.20	61.15	89.23	-1,492.80	-2,608.37	1,200.37	1,091.04	109.33	10.980	
7,000.00	5,397.30	8,006.20	5,318.08	55.71	63.09	89.23	-1,557.80	-2,532.38	1,200.37	1,088.15	112.22	10.696	
7,100.00	5,396.94	8,106.20	5,317.61	56.30	65.06	89.22	-1,622.80	-2,456.39	1,200.37	1,085.14	115.24	10.416	
7,200.00	5,396.59	8,206.20	5,317.15	56.98	67.06	89.22	-1,687.81	-2,380.41	1,200.38	1,082.01	118.37	10.141	
7,300.00	5,396.23	8,306.20	5,316.68	57.74	69.08	89.21	-1,752.81	-2,304.42	1,200.38	1,078.78	121.60	9.871	
7,400.00	5,395.87	8,406.20	5,316.21	58.60	71.12	89.21	-1,817.81	-2,228.43	1,200.38	1,075.45	124.93	9.608	
7,500.00	5,395.51	8,506.20	5,315.75	59.54	73.18	89.20	-1,882.82	-2,152.44	1,200.38	1,072.03	128.35	9.352	
7,600.00	5,395.15	8,606.20	5,315.28	60.57	75.26	89.20	-1,947.82	-2,076.45	1,200.39	1,068.53	131.86	9.104	
7,700.00	5,394.79	8,706.20	5,314.82	61.68	77.35	89.19	-2,012.82	-2,000.46	1,200.39	1,064.95	135.44	8.863	
7,800.00	5,394.43	8,806.20	5,314.35	62.88	79.46	89.18	-2,077.83	-1,924.47	1,200.39	1,061.30	139.09	8.630	
7,900.00	5,394.07	8,906.20	5,313.89	64.16	81.58	89.18	-2,142.83	-1,848.48	1,200.40	1,057.59	142.81	8.406	
8,000.00	5,393.71	9,006.20	5,313.42	65.51	83.72	89.17	-2,207.83	-1,772.49	1,200.40	1,053.81	146.59	8.189	
8,100.00	5,393.35	9,106.20	5,312.96	66.93	85.87	89.17	-2,272.84	-1,696.50	1,200.40	1,049.98	150.42	7.980	
8,200.00	5,392.99	9,206.20	5,312.49	68.42	88.02	89.16	-2,337.84	-1,620.52	1,200.40	1,046.09	154.31	7.779	
8,300.00	5,392.63	9,306.20	5,312.03	69.97	90.19	89.16	-2,402.85	-1,544.53	1,200.41	1,042.16	158.25	7.586	
8,400.00	5,392.28	9,406.20	5,311.56	71.57	92.37	89.15	-2,467.85	-1,468.54	1,200.41	1,038.18	162.23	7.400	
8,500.00	5,391.92	9,506.20	5,311.10	73.23	94.56	89.15	-2,532.85	-1,392.55	1,200.41	1,034.17	166.25	7.221	
8,600.00	5,391.56	9,606.20	5,310.63	74.94	96.75	89.14	-2,597.86	-1,316.56	1,200.41	1,030.11	170.30	7.049	
8,700.00	5,391.20	9,706.20	5,310.17	76.69	98.95	89.14	-2,662.86	-1,240.57	1,200.42	1,026.02	174.40	6.883	
8,800.00	5,390.84	9,806.20	5,309.70	78.48	101.16	89.13	-2,727.86	-1,164.58	1,200.42	1,021.90	178.52	6.724	
8,900.00	5,390.48	9,906.20	5,309.24	80.31	103.38	89.13	-2,792.87	-1,088.59	1,200.42	1,017.74	182.68	6.571	
9,000.00	5,390.12	10,006.20	5,308.77	82.17	105.60	89.12	-2,857.87	-1,012.60	1,200.43	1,013.56	186.87	6.424	
9,100.00	5,389.76	10,106.20	5,308.31	84.07	107.83	89.12	-2,922.87	-936.62	1,200.43	1,009.35	191.08	6.282	
9,200.00	5,389.40	10,206.20	5,307.84	85.99	110.07	89.11	-2,987.88	-860.63	1,200.43	1,005.11	195.32	6.146	
9,300.00	5,389.04	10,306.20	5,307.37	87.94	112.30	89.11	-3,052.88	-784.64	1,200.43	1,000.86	199.58	6.015	
9,400.00	5,388.68	10,406.20	5,306.91	89.91	114.55	89.10	-3,117.88	-708.65	1,200.44	996.58	203.86	5.889	
9,500.00	5,388.32	10,506.20	5,306.44	91.90	116.80	89.10	-3,182.89	-632.66	1,200.44	992.28	208.16	5.767	
9,600.00	5,387.97	10,606.20	5,305.98	93.92	119.05	89.09	-3,247.89	-556.67	1,200.44	987.96	212.48	5.650	
9,700.00	5,387.61	10,706.20	5,305.51	95.95	121.31	89.09	-3,312.89	-480.68	1,200.45	983.63	216.82	5.537	
9,800.00	5,387.25	10,806.20	5,305.05	98.00	123.57	89.08	-3,377.90	-404.69	1,200.45	979.28	221.17	5.428	
9,900.00	5,386.89	10,906.20	5,304.58	100.07	125.83	89.08	-3,442.90	-328.70	1,200.45	974.91	225.54	5.323	
10,000.00	5,386.53	11,006.20	5,304.12	102.15	128.10	89.07	-3,507.90	-252.71	1,200.46	970.53	229.92	5.221	
10,100.00	5,386.17	11,106.20	5,303.65	104.25	130.37	89.07	-3,572.91	-176.73	1,200.46	966.14	234.32	5.123	
10,200.00	5,385.81	11,206.20	5,303.19	106.36	132.65	89.06	-3,637.91	-100.74	1,200.46	961.73	238.73	5.028	
10,300.00	5,385.45	11,306.20	5,302.72	108.48	134.92	89.06	-3,702.91	-24.75	1,200.46	957.31	243.16	4.937	

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

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (102 & 106) - North Alamito Unit 102 H - Original Hole - rev0

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,400.00	5,385.09	11,406.20	5,302.26	110.61	137.20	89.05	-3,767.92	51.24	1,200.47	952.88	247.59	4.849	
10,500.00	5,384.73	11,506.20	5,301.79	112.75	139.49	89.05	-3,832.92	127.23	1,200.47	948.43	252.04	4.763	
10,600.00	5,384.37	11,606.20	5,301.33	114.90	141.77	89.04	-3,897.92	203.22	1,200.47	943.98	256.49	4.680	
10,700.00	5,384.01	11,706.20	5,300.86	117.06	144.06	89.04	-3,962.93	279.21	1,200.48	939.52	260.96	4.600	
10,800.00	5,383.66	11,806.20	5,300.40	119.23	146.35	89.03	-4,027.93	355.20	1,200.48	935.05	265.43	4.523	
10,900.00	5,383.30	11,906.20	5,299.93	121.41	148.64	89.03	-4,092.94	431.19	1,200.48	930.57	269.92	4.448	
11,000.00	5,382.94	12,006.20	5,299.47	123.60	150.94	89.02	-4,157.94	507.18	1,200.49	926.08	274.41	4.375	
11,100.00	5,382.58	12,106.20	5,299.00	125.79	153.24	89.02	-4,222.94	583.16	1,200.49	921.58	278.91	4.304	
11,200.00	5,382.22	12,206.20	5,298.54	127.99	155.53	89.01	-4,287.95	659.15	1,200.49	917.08	283.42	4.236	
11,300.00	5,381.86	12,306.20	5,298.07	130.19	157.83	89.01	-4,352.95	735.14	1,200.50	912.57	287.93	4.169	
11,400.00	5,381.50	12,406.20	5,297.60	132.40	160.14	89.00	-4,417.95	811.13	1,200.50	908.05	292.45	4.105	
11,500.00	5,381.14	12,506.20	5,297.14	134.62	162.44	89.00	-4,482.96	887.12	1,200.50	903.52	296.98	4.042	
11,600.00	5,380.78	12,606.20	5,296.67	136.84	164.75	88.99	-4,547.96	963.11	1,200.50	898.99	301.51	3.982	
11,700.00	5,380.42	12,706.19	5,296.21	139.06	167.05	88.99	-4,612.96	1,039.10	1,200.51	894.46	306.05	3.923	
11,800.00	5,380.06	12,806.19	5,295.74	141.29	169.36	88.98	-4,677.97	1,115.09	1,200.51	889.91	310.60	3.865	
11,900.00	5,379.71	12,906.19	5,295.28	143.53	171.67	88.98	-4,742.97	1,191.08	1,200.51	885.37	315.15	3.809	
12,000.00	5,379.35	13,006.19	5,294.81	145.77	173.98	88.97	-4,807.97	1,267.06	1,200.52	880.82	319.70	3.755	
12,100.00	5,378.99	13,106.19	5,294.35	148.01	176.30	88.97	-4,872.98	1,343.05	1,200.52	876.26	324.26	3.702	
12,200.00	5,378.63	13,206.19	5,293.88	150.26	178.61	88.96	-4,937.98	1,419.04	1,200.52	871.70	328.83	3.651	
12,300.00	5,378.27	13,306.19	5,293.42	152.51	180.92	88.96	-5,002.98	1,495.03	1,200.53	867.13	333.40	3.601	
12,400.00	5,377.91	13,406.19	5,292.95	154.77	183.24	88.95	-5,067.99	1,571.02	1,200.53	862.56	337.97	3.552	
12,500.00	5,377.55	13,506.19	5,292.49	157.02	185.56	88.95	-5,132.99	1,647.01	1,200.53	857.99	342.55	3.505	
12,600.00	5,377.19	13,606.19	5,292.02	159.28	187.88	88.94	-5,197.99	1,723.00	1,200.54	853.41	347.13	3.458	
12,700.00	5,376.83	13,706.19	5,291.56	161.55	190.20	88.94	-5,263.00	1,798.99	1,200.54	848.83	351.71	3.413	
12,800.00	5,376.47	13,806.19	5,291.09	163.82	192.52	88.93	-5,328.00	1,874.98	1,200.54	844.24	356.30	3.369	
12,900.00	5,376.11	13,906.19	5,290.63	166.09	194.84	88.93	-5,393.00	1,950.97	1,200.55	839.65	360.90	3.327	
13,000.00	5,375.75	14,006.19	5,290.16	168.36	197.16	88.92	-5,458.01	2,026.95	1,200.55	835.06	365.49	3.285	
13,100.00	5,375.40	14,106.19	5,289.70	170.63	199.48	88.92	-5,523.01	2,102.94	1,200.55	830.46	370.09	3.244	
13,200.00	5,375.04	14,206.19	5,289.23	172.91	201.81	88.91	-5,588.01	2,178.93	1,200.56	825.86	374.69	3.204	
13,300.00	5,374.68	14,306.19	5,288.76	175.19	204.13	88.91	-5,653.02	2,254.92	1,200.56	821.26	379.30	3.165	
13,400.00	5,374.32	14,406.19	5,288.30	177.47	206.46	88.90	-5,718.02	2,330.91	1,200.56	816.66	383.91	3.127	
13,500.00	5,373.96	14,506.19	5,287.83	179.75	208.79	88.90	-5,783.02	2,406.90	1,200.57	812.05	388.52	3.090	
13,600.00	5,373.60	14,606.19	5,287.37	182.04	211.11	88.89	-5,848.03	2,482.89	1,200.57	807.44	393.13	3.054	
13,700.00	5,373.24	14,706.19	5,286.90	184.33	213.44	88.89	-5,913.03	2,558.88	1,200.57	802.83	397.75	3.018	
13,800.00	5,372.88	14,806.19	5,286.44	186.62	215.77	88.88	-5,978.04	2,634.87	1,200.58	798.21	402.37	2.984	
13,900.00	5,372.52	14,906.19	5,285.97	188.91	218.10	88.88	-6,043.04	2,710.86	1,200.58	793.59	406.99	2.950	
14,000.00	5,372.16	15,006.19	5,285.51	191.20	220.43	88.87	-6,108.04	2,786.84	1,200.58	788.97	411.61	2.917	
14,100.00	5,371.80	15,106.19	5,285.04	193.50	222.76	88.87	-6,173.05	2,862.83	1,200.59	784.35	416.23	2.884	
14,200.00	5,371.44	15,206.19	5,284.58	195.80	225.09	88.86	-6,238.05	2,938.82	1,200.59	779.73	420.86	2.853	
14,300.00	5,371.09	15,306.19	5,284.11	198.09	227.42	88.86	-6,303.05	3,014.81	1,200.59	775.10	425.49	2.822	
14,323.74	5,371.00	15,329.94	5,284.00	198.64	227.98	88.85	-6,318.49	3,032.85	1,200.59	774.00	426.59	2.814 ES, SF	

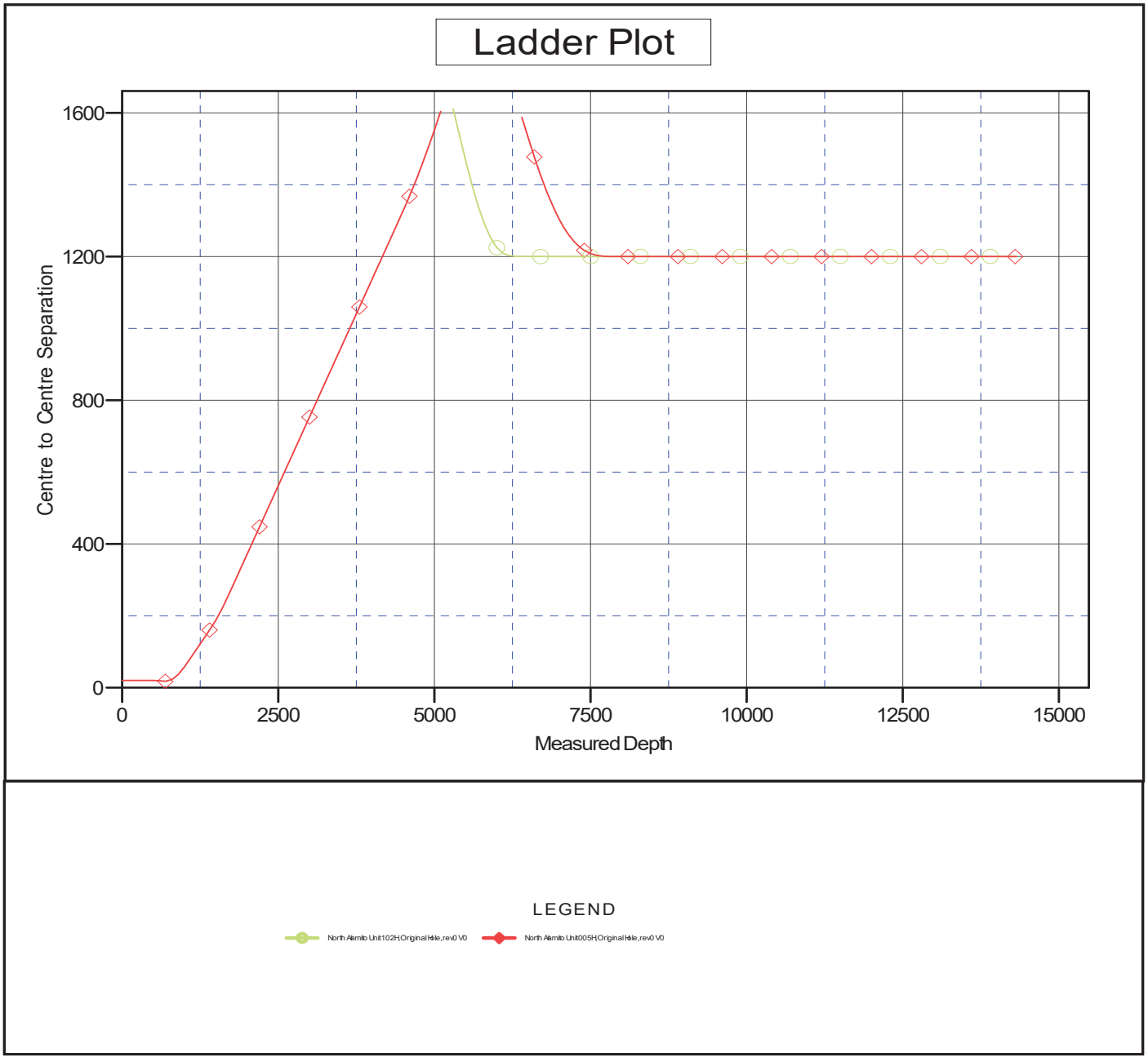
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=7025+25 @ 7050.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.250000000

Coordinates are relative to: North Alamito Unit (05 & 06)
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.80°



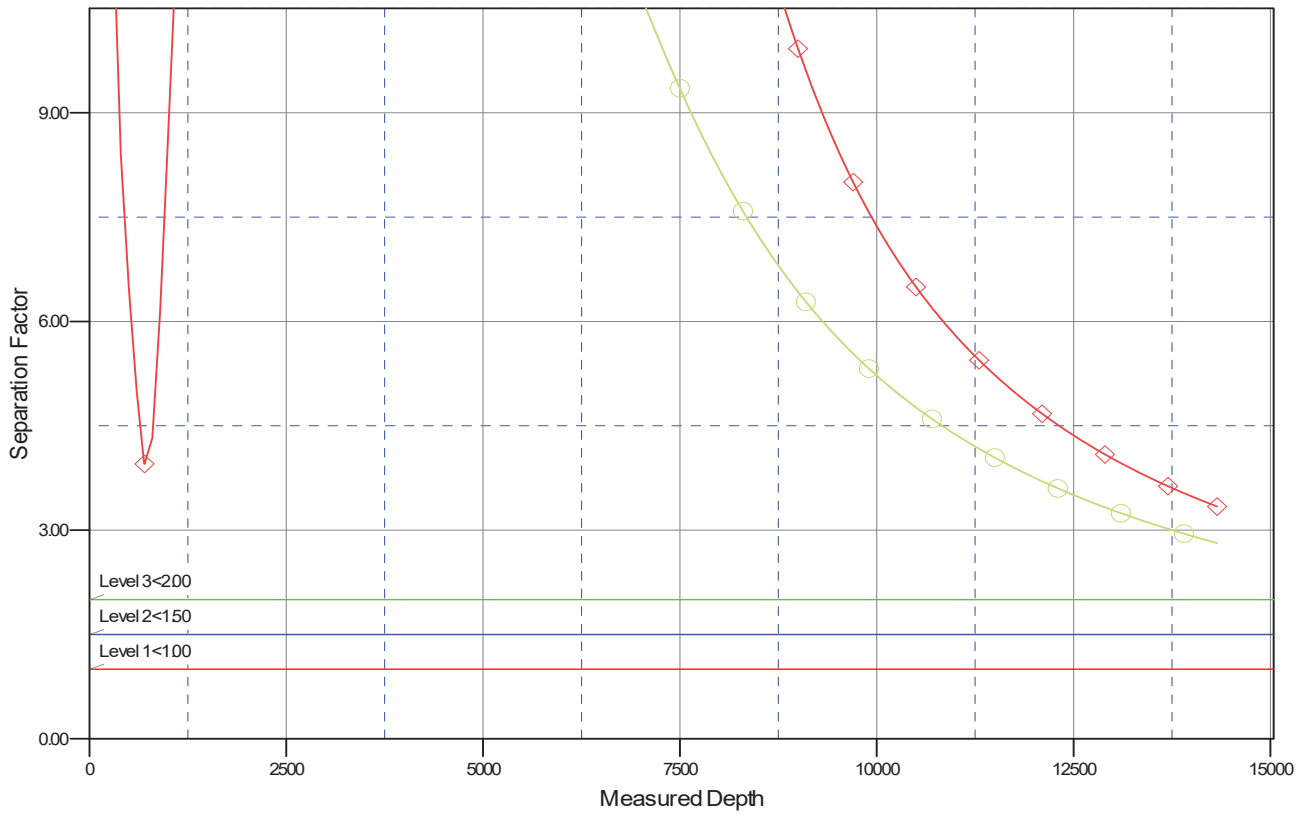
Anticollision Report

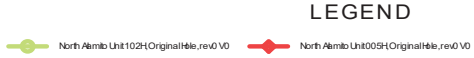
Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Site North Alamito Unit (05 & 06)
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=7025+25 @ 7050.00ft
Reference Site:	North Alamito Unit (05 & 06)	**MD Reference:**	RKB=7025+25 @ 7050.00ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 006 H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT_Aug2923v16
Reference Design:	rev0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=7025+25 @ 7050.00ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.250000000

Coordinates are relative to: North Alamito Unit (05 & 06)
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.80°

Separation Factor Plot





District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 313915

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 313915
	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.	4/12/2024