Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-043-21549

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 01/21/2026

Additional Operator Remarks

Location of Well

0. SHL: SESE / 1227 FSL / 42 FEL / TWSP: 23N / RANGE: 7W / SECTION: 28 / LAT: 36.193897 / LONG: -107.571212 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 710 FSL / 256 FEL / TWSP: 23N / RANGE: 7W / SECTION: 28 / LAT: 36.192478 / LONG: -107.571922 (TVD: 5149 feet, MD: 5249 feet)

PPP: SWSW / 475 FSL / 1 FWL / TWSP: 23N / RANGE: 7W / SECTION: 27 / LAT: 36.19183 / LONG: -107.571047 (TVD: 5284 feet, MD: 15253 feet)

PPP: NESE / 1478 FSL / 500 FEL / TWSP: 23N / RANGE: 7W / SECTION: 34 / LAT: 36.1190495 / LONG: -107.569247 (TVD: 5284 feet, MD: 15253 feet)

PPP: NWNW / 1 FNL / 527 FWL / TWSP: 22N / RANGE: 7W / SECTION: 34 / LAT: 36.1190495 / LONG: -107.569247 (TVD: 5284 feet, MD: 15253 feet)

PPP: LOT 1 / 1 FNL / 500 FEL / TWSP: 22N / RANGE: 7W / SECTION: 3 / LAT: 36.175782 / LONG: -107.554913 (TVD: 5284 feet, MD: 15253 feet)

BHL: SENE / 2346 FNL / 500 FEL / TWSP: 22N / RANGE: 7W / SECTION: 3 / LAT: 36.169337 / LONG: -107.554972 (TVD: 5284 feet, MD: 15253 feet)

BLM Point of Contact

Name: CHRISTOPHER P WENMAN
Title: Natural Resource Specialist
Phone: (505) 564-7727
Email: cwenman@blm.gov

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-043-21549	98174	ALAMITO MANCOS N (OIL)

Property Code	Property Name	Well Number
325267	NORTH ALAMITO UNIT	312H

OGRID No.	Operator Name	Ground Level Elevation
371838	DJR OPERATING, LLC	6946'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location (SHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
P	28	23N	7W		1227' SOUTH	42' EAST	36.193897° N	107.571212° W	SANDOVAL

Bottom Hole Location (BHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
H	3	22N	7W		2346' NORTH	500' EAST	36.169337° N	107.554972° W	SANDOVAL

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
PENETRATED SPACING UNIT; SEC 28: SE/SE (40 AC.); SEC 27: SW/SW (40 AC.); SEC 34: NW/NW, NE/NW, SE/NW, SW/NE, SE/NE, NW/SE, NE/SE & SE/SE (320 AC.); SEC 3: LOT 1 & SE/NE (80.61 AC.) = 480.61 ACRES			N	UNIT

Order Numbers: R-14081 R-14081A Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
P	28	23N	7W		1227' SOUTH	42' EAST	36.193897° N	107.571212° W	SANDOVAL

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
P	28	23N	7W		710' SOUTH	256' EAST	36.192478° N	107.571922° W	SANDOVAL

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
H	3	22N	7W		2346' NORTH	500' EAST	36.169337° N	107.554972° W	SANDOVAL

Unitized Area or Area of Uniform Interest	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation
NORTH ALAMITO		

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, ***and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

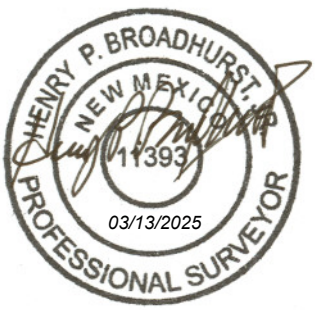
Shaw-Marie Ford — Signature
3/13/2025 — Date

Shaw-Marie Ford — Printed Name

sford@enduringresources.com — E-mail Address

SURVEYOR CERTIFICATIONS

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.



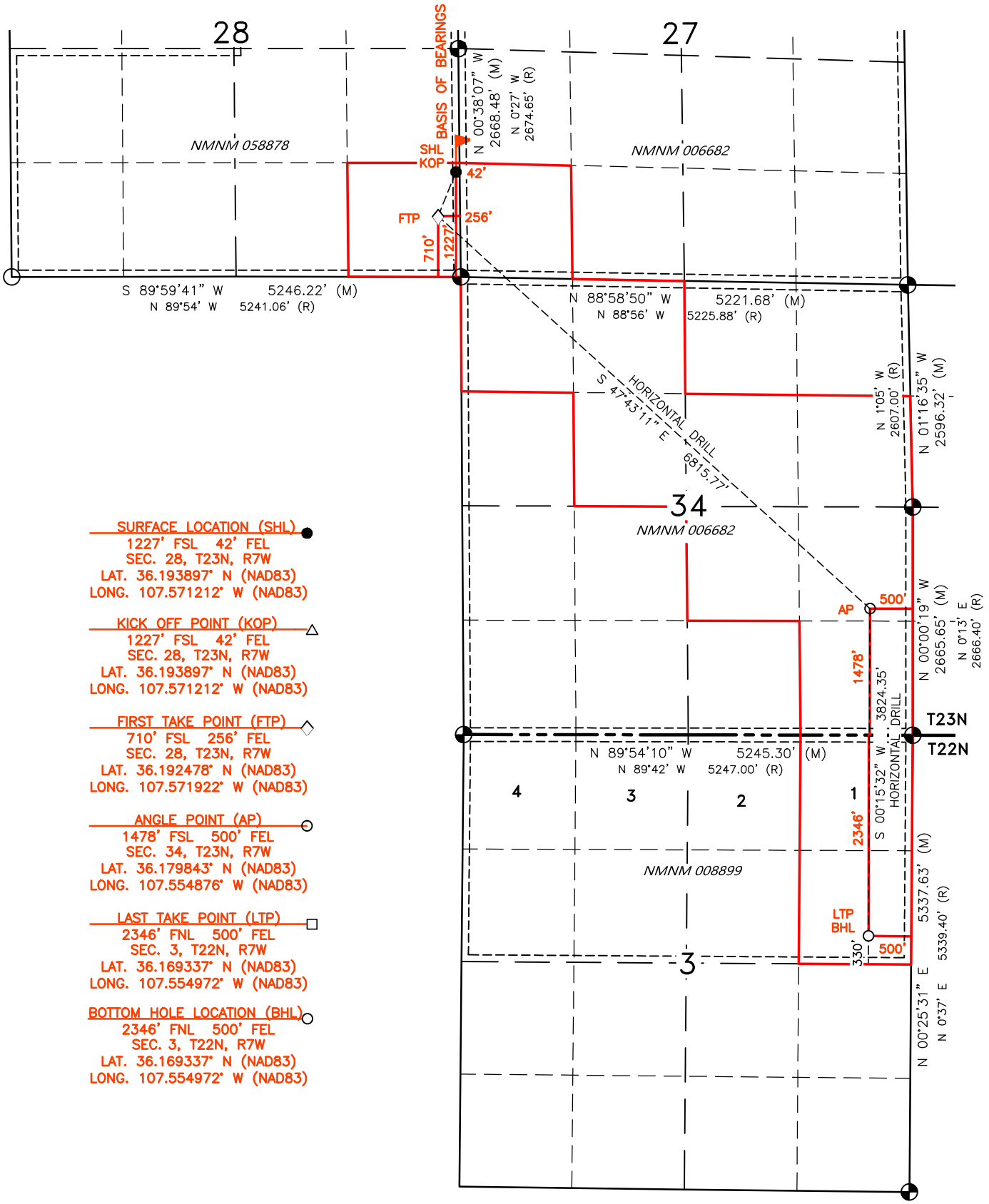
Signature and Seal of Professional Surveyor:

Certificate Number	Date of Survey
11393	FEBRUARY 20, 2025

Note: 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.

FND 2.5" BC
GLO 1948

CALC



SURFACE LOCATION (SHL)
1227' FSL 42' FEL
SEC. 28, T23N, R7W
LAT. 36.193897° N (NAD83)
LONG. 107.571212° W (NAD83)

KICK OFF POINT (KOP)
1227' FSL 42' FEL
SEC. 28, T23N, R7W
LAT. 36.193897° N (NAD83)
LONG. 107.571212° W (NAD83)

FIRST TAKE POINT (FTP)
710' FSL 256' FEL
SEC. 28, T23N, R7W
LAT. 36.192478° N (NAD83)
LONG. 107.571922° W (NAD83)

ANGLE POINT (AP)
1478' FSL 500' FEL
SEC. 34, T23N, R7W
LAT. 36.179843° N (NAD83)
LONG. 107.554876° W (NAD83)

LAST TAKE POINT (LTP)
2346' FNL 500' FEL
SEC. 3, T22N, R7W
LAT. 36.169337° N (NAD83)
LONG. 107.554972° W (NAD83)

BOTTOM HOLE LOCATION (BHL)
2346' FNL 500' FEL
SEC. 3, T22N, R7W
LAT. 36.169337° N (NAD83)
LONG. 107.554972° W (NAD83)

State of NewMexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 - Plan Description
Effective May 25, 2021

I. Operator: DJR Operating, LLC **OGRID:** 371838 **Date:** 2/14/2025

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other
If Other, please describe:

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name		API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
N Alamito Unit	004H	TBD	P-28-23N-7W	1228 FSL 22 FEL	434	984	173
N Alamito Unit	301H	TBD	P-28-23N-7W	1228 FSL 2 FEL	374	849	150
N Alamito Unit	311H	TBD	P-28-23N-7W	1227 FSL 62 FEL	268	608	107
N Alamito Unit	312H	TBD	P-28-23N-7W	1227 FSL 42 FEL	459	1042	184
					3-year Decline	3-year Decline	3-year Decline
N Alamito Unit	004H	TBD	P-28-23N-7W	1228 FSL 22 FEL	98	392	39
N Alamito Unit	301H	TBD	P-28-23N-7W	1228 FSL 2 FEL	85	338	34
N Alamito Unit	311H	TBD	P-28-23N-7W	1227 FSL 62 FEL	61	242	24
N Alamito Unit	312H	TBD	P-28-23N-7W	1227 FSL 42 FEL	104	415	41

IV. Central Delivery Point Name: Chaco Processing Plant [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
N Alamito Unit 004H	TBD	6/1/2026	6/10/2026	6/21/2026	7/1/2026	7/3/2026
N Alamito Unit 301H	TBD	6/2/2026	6/12/2026	6/21/2026	7/1/2026	7/3/2026
N Alamito Unit 311H	TBD	6/3/2026	6/13/2026	6/21/2026	7/1/2026	7/3/2026
N Alamito Unit 312H	TBD	6/4/2026	6/14/2026	6/21/2026	7/1/2026	7/3/2026

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natrual gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications
Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

(a) power generation on lease;
(b) power generation for grid;
(c) compression on lease;
(d) liquids removal on lease;
(e) reinjection for underground storage;
(f) reinjection for temporary storage;
(g) reinjection for enhanced oil recovery;
(h) fuel cell production; and
(i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Shaw-Marie Valadez
Printed Name: Shaw-Marie Valadez
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 1/6/2026
Phone: 505-716-3297
OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
North Alamito Unit 004H 301H 311H 312H

SEPARATION EQUIPMENT

DJR Operating, LLC (DJR) has pulled representative pressurized samples from wells in the same producing formation. DJR has utilized these samples in process simulations to determine the amount of gas anticipated in each stage of the process and utilized this information with a safety factor to size the equipment listed below:

Separation equipment will be set as follows:

- Individual 3 phase separator will be set for the individual well.
- The separator will be sized based on the anticipated volume of the well and the pressure of the lines utilized for oil, gas, and water takeaway.
- The 3 phase production separator will be equipped with a 0.75 MMBtu/hr indirect fired heater.

Heater treaters will be set as follows:

- Individual heater treaters will be set for the individual well.
- The heater treaters are sized based on the anticipated combined volume of oil and produced water predicted to come from the initial 3 phase separator.
- Oil will be separated from the produced water and the oil/produced water will be sent to its respective tanks.
- The combined oil and natural gas stream is routed to the Vapor Recovery Tower.

Vapor Recovery Equipment will be set as follows:

- The Vapor Recovery Tower has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks.
- The Vapor Recovery Unit has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks. The Vapor Recovery Unit is utilized to push the recovered gas into the sales pipeline.

Production storage tanks will be set as follows:

- The oil and produced water tanks utilize a closed vent capture system to ensure all breathing, working, and flashing losses are routed to the Vapor Recovery Tower and Vapor Recovery Unit.
- Each of the production storage tanks will be equipped with a 0.5 MMBtu/hr indirect heater.

DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
North Alamito Unit 004H 301H 311H 312H

VENTING and FLARING

DJR has a natural gas system available prior to startup of completion operations. DJR utilizes a Vapor Recovery Unit System and sells all natural gas except during periods of startup, shutdown, maintenance, or malfunction for the gas capturing equipment, including the vapor recovery tower, vapor recovery unit, storage tanks, and pipelines.

Currently, DJR utilizes the following from list A-I of Section 3 for its operations to minimize flaring:

a) DJR utilizes natural gas-powered generators to power its leases where grid power isn't available.
b) When electrical grid power is unavailable, natural gas generators will be used for major equipment onsite.
c) DJR's in service compression will be natural gas powered.
d) Should liquids removal, such as dehydration be required, units will be powered by natural gas.

DJR will only flare gas during the following times:

- Scheduled maintenance for gas capturing equipment including:
  - Vapor Recovery Tower
  - Vapor Recovery Unit
  - Storage tanks
  - Pipelines
  - Emergency flaring

DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
North Alamito Unit 004H 301H 311H 312H

OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

DJR understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion or production that constitutes waste as defined in 19.15.2 are prohibited.

19.15.27.8 B. Venting and flaring during drilling operations

- DJR shall capture or combust natural gas if technically feasible during drilling operations using best industry practices.
- A flare stack with a 100% capacity for expected volumes will be set on location of the facility at least 100 feet from the nearest surface hole location, well heads, and storage tanks.
- In the event of an emergency, DJR will vent natural gas in order to avoid substantial impact. DJR shall report the vented or flared gas to the NMOCD.

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, DJR utilizes the following:

- DJR facilities are built and ready from day 1 of Flowback.
- Individual well test separators will be set to properly separate gas and liquids. Temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline. See Separation Equipment for details.
- Should the facility not yet be capable of processing gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or temporary flare to manage natural gas. This flare would meet the following requirements:
    1) An appropriately sized flare stack with an automatic igniter.
    2) DJR analyzes the natural gas samples twice per week.
    3) DJR routes the natural gas into a gathering pipeline as soon as the pipeline specifications are met.
    4) DJR provides the NMOCD with pipeline specifications and natural gas data.

DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
North Alamito Unit 004H 301H 311H 312H

19.15.27.8 D. Venting and flaring during production operations

During Production Operations DJR will not vent or flare natural gas except under the following circumstances:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided:
    a. DJR does not vent after the well achieves a stabilized rate and pressure.
    b. DJR will remain present on-site during liquids unloading by manual purging and tall all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time.
    c. DJR will optimize the system to minimize natural gas venting on any well equipped with a plunger lift or auto control system.
    d. Best Management Practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well provided:
    a. DJR receives approval from the NMOCD.
    b. DJR remains in compliance with the NM gas capture requirements.
    c. DJR submits an updated C-129 form to the NMOCD.
4. During the following activities unless prohibited:
    a. Gauging or sampling a storage tank or low-pressure production vessel.
    b. Loading out liquids from a storage tank.
    c. Repair and maintenance.
    d. Normal operation of gas activated pneumatic controller or pump.
    e. Normal operation of a storage tank but not including venting from a thief hatch.
    f. Normal operation of dehydration units.
    g. Normal operations of compressors, compressor engines, turbines, valves, flanges, and connectors.
    h. During a bradenhead, packer leakage test, or production test lasting less than 24-hours.
    i. When natural gas does not meet the gathering pipeline specifications.
    j. Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

19.15.27.8 E. Performance standards

1. DJR has utilized process simulations with a safety factor to design all separation and storage equipment. The equipment is routed to a Vapor Recovery System and utilizes a flare as back up for periods of startup, shutdown, maintenance, or malfunction of the VRU System.
2. DJR will install a flare that designed to handle the full volume of vapors from the facility in case of the VRU failure and it its designed with an auto ignition system.
3. Flare stacks will appropriately sized and designed to ensure proper combustion efficiency.

a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.
b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts DJR of flare malfunction within 18 months after May 25, 2021.
c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.

4. DJR will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
5. DJR will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
6. DJR may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
7. Facilities will be designed to minimize waste.
8. DJR will resolve emergencies as promptly as possible.

19.15.27.8 F. Measurement or estimation of vented and flared natural gas

1. DJR will have meters on both the low- and high-pressure sides of the flares and the volumes will be recorded in DJR's SCADA system.
2. DJR will install equipment to measure the volume of flared natural gas that has an average daily production of 60,000 cubic feet or greater of natural gas.
3. DJR's measuring equipment will conform to the industry standards.
4. The measurement system is designed such that it cannot be bypassed except for inspections and servicing meters.
5. DJR will estimate the volume of vented or flared natural gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. DJR will estimate the volume of flared and vented natural gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on Form C-116.
7. DJR will install measuring equipment whenever the NMOCD determines that metering is necessary.

DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
North Alamito Unit 004H 301H 311H 312H

BEST MANAGEMENT PRACTICES

DJR utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

DJR has a closed vent capture system to route emissions from the heater treater, tanks, and vapor recovery to the vapor recovery unit with an enclosed combustion device (ECD) for backup. The system is designed such that if the vapor recovery unit is taken out of service for any reason, the vapors will be routed to the ECD for combustion.

DJR will isolate and attempt to route all vapors to the vapor recovery unit or ECD prior to opening any lines for maintenance to minimize venting from the equipment.

DJR shall notify the NMOCD of venting or flaring that exceeds 50 MCF but less than 500 MCF in volume that either resulted from an emergency or malfunction, or an event lasting over eight hours or more cumulatively within any 24-hour period from a single event by filing a form C-129 no later than 15 days following the discovery or commencement of venting or flaring.

DJR shall notify the NMOCD verbally or by e-mail within 24-hours following discovery or commencement of venting or flaring that exceeds 500 MCF in volume or otherwise qualifies as a major release as defined in 19.15.29.7 NMAC from a single event and provide the information required in form C-129 to the NMOCD no later than 15 days that verifies, updates, or corrects the verbal or e-mail notification.

DJR will install measuring equipment to conform to industry standards such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares.

DJR's measuring equipment shall not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

DJR shall report the volume of vented and flared natural gas for each well or facility at which venting or flaring occurred on a monthly basis.

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

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

WELL INFORMATION:

Name: **N Alamito Unit 312H**
State: New Mexico
County: San Juan
Surface Elevation: 6,946 ft ASL (GL) 6,970 ft ASL (KB)
Surface Location: 28-23-7 Sec-Twn-Rng 1,227 ft FSL 42 ft FEL
36.193897 ° N latitude 107.571212 ° W longitude (NAD 83)
BH Location: 3-22-7 Sec-Twn-Rng 2,346 ft FNL 500 ft FEL
36.169337 ° N latitude 107.554972 ° 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 112.8; Right (South) on CR 7900/Indian Service Rte 7061 for 5.2 miles to fork (0.1 miles past T to Cty Rd 7950); Left (East) exiting CR 7900 for 5.6 miles to T; Left (North) for 1.2 miles to location NAU 232H pad. There are two existing wells on this pad; NAU 232H and 233H. There are four proposed new wells on this location, From West (location entrance) to East: N Alamito Unit 311H, 312H, 004H and 301H.

GEOLOGIC AND RESERVOIR INFORMATION:

Prognosis:

Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
Ojo Alamo	5,880	1,090	1,090	W	normal
Kirtland	5,780	1,190	1,190	W	normal
Fruitland	5,620	1,350	1,352	G, W	sub
Pictured Cliffs	5,330	1,640	1,647	G, W	sub
Lewis	5,170	1,800	1,810	G, W	normal
Chacra	4,920	2,050	2,065	G, W	normal
Cliff House	3,830	3,140	3,174	G, W	sub
Menefee	3,790	3,180	3,215	G, W	normal
Point Lookout	2,960	4,010	4,050	G, W	normal
Mancos	2,745	4,225	4,265	O,G	sub (~0.38)
Gallup (MNCS_A)	2,430	4,540	4,580	O,G	sub (~0.38)
MNCS_B	2,335	4,635	4,675	O,G	sub (~0.38)
MNCS_C	2,235	4,735	4,775	O,G	sub (~0.38)
MNCS_Cms	2,200	4,770	4,810	O,G	sub (~0.38)
MNCS_D	2,070	4,900	4,944	O,G	sub (~0.38)
MNCS_E	1,945	5,025	5,083	O,G	sub (~0.38)
MNCS_F	1,896	5,074	5,144	O,G	sub (~0.38)
MNCS_G	1,821	5,149	5,249	O,G	sub (~0.38)
MNCS_H	1,757	5,213	5,362	O,G	sub (~0.38)
MNCS_I	1,703	5,267	5,507	O,G	sub (~0.38)
FTP TARGET	**1,821**	**5,149**	**5,249**	**O,G**	**sub (~0.38)**
PROJECTED BHL	**1,771**	**5,199**	**15,253**	**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:				**2,240**	**psi**
	Maximum anticipated surface pressure, assuming partially evacuated hole:				**1,100**	**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: Ensign

Rig No.: 140

Draw Works: Pacific Rim 1500AC (1,500 hp)

Mast: Process MFG Corp Swing Up Triple (136 ft, 750,000 lbs)

Top Drive: Tesco 400-EXI-600 (400 ton)

Prime Movers: 3 - CAT 3512C (1,350 hp)

Pumps: 2 - Gardner Denver PZ-11 (7,500 psi)

BOPE 1: T3 Annular & Shaffer double gate ram (11", 5,000 psi)

BOPE 2: T3 annular(11", 5,000 psi)

Choke 3", 5,000 psi

KB-GL (ft): 23.5

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

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

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

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

3) 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.

4)

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 casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.

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

FLUIDS AND SOLIDS CONTROL PROGRAM:

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

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

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

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

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

DETAILED DRILLING PLAN:

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

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

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

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

Hole Size: 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	1,129	110,988	110,988
Min. S.F.					**13.21**	**3.12**	**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

MU Torque (ft lbs): *Minumum: 3,400 Optimum: 4,530 Maximum: 5,660*

Casing Summary: Float shoe, 1 jt casing, float collar, casing to surface

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

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

Mesa Ready Mix or first available Shoe Track L 44

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

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

350 ft (MD)	to	5,602 ft (MD)	Hole Section Length:	5,252 ft
350 ft (TVD)	to	5,282 ft (TVD)	Casing Required:	5,602 ft

Fluid:	Type	MW (ppg)	FL (mL/30 min)	PV (cp)	YP (lb/100 sqft)	pH	Comments
	LSND (KCl)	8.8 - 9.2	15	8 - 14	6 - 12	10.8 - 11.2	No OBM

Hole Size (inches): 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

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to **1,500** psi for 30 minutes.

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					2,307	1,402	227,016	227,016
Min. S.F.					**1.87**	**3.55**	**1.83**	**1.62**

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

MU Torque (ft lbs): *Minumum: 3,400 Optimum: 4,530 Maximum: 5,660*

Centralizers: 1 per joint in non-vertical hole; 1 per 2-joints in vertical hole

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	2.150	12.05	70%	0	481	1,033
Tail	Type III	13.5	1.710	8.88	30%	4,165	170	290

Annular Capacity					
0.16681	cuft/ft	*7" casing x 9-5/8" casing annulus*	Shoe Track L	44
0.1503	cuft/ft	*7" casing x 8-3/4" hole annulus*	Casing ID	6.276
0.2148	cuft/ft	*7" casing casing volume*	Est displacement bbls	212.7

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

Spacer	*10 bbls water f/b*	*10 bbls D-Mud Breaker (SAPP) f/b*	*10 bbls water f/b*					
Lead	*ASTM Type III 90/10 Poz*	D-CSE 1 5.0% BWOC Strength Enhancer	D-MPA-2 .4% BWOC Fluid Loss & Gas Migration Control	D-SA 1 1.4% BWOC Na Metasilicate	D-CD 2 .4% BWOC Dispersant	Cello Flace LCM .25 lb/sx	D-FP 1 .5% BWOC Defoamer	D-R1 1.2% Retarder
Tail	*ASTM Type III 90/10 Poz*	D-CSE 1 5.0% BWOC Strength Enhancer	D-MPA-2 1.2% BWOC Fluid Loss & Gas Migration Control	Cello Flace LCM .25 lb/sx	D-FP 1 .5% BWOC Defoamer	D-R1 0.3% Retarder		

Drake Intermediate Cementing Program

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

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

5,602	ft (MD)	to	15,253	ft (MD)	Hole Section Length:	9,651 ft	
5,282	ft (TVD)	to	5,199	ft (TVD)	Casing Required:	9,801 ft	
		Estimated KOP:	4,752	ft (MD)	4,712	ft (TVD)	
		Estimated Liner Top:	5,452	ft (MD)	5,250	ft (TVD)	
		Estimated Landing Point (FTP):	5,249	ft (MD)	5,149	ft (TVD)	
		Estimated Lateral Length:	10,004	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

Pressure Test: NU BOPE and test (as noted above); pressure test 9-5/8" casing to **1,500** psi for 30 minutes.

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					2,568	8,797	252,679	252,679
Min. S.F.					**2.94**	**1.22**	**1.45**	**1.52**

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.

MU Torque (ft lbs): *Minumum: BTC Optimum: BTC Maximum: BTC*

Centralizers: *Centralizer count and placement may be adjusted based on well conditions and as-drilled surveys.*

Cement:	Type	Weight (ppg)	Yield (cuft/sk)	Water (gal/sk)	% Excess	Planned TOC (ft MD)	Total Cmt (sx)	Total Cmt (cu ft)
Spacer	Water	8.4				0	10 bbls	
Spacer	IntegraGuard Star	10		35.7		0	20 bbls	
Tail	G:POZ blend	13.3	1.520	7.50	25%	5,452	760	1,155
Displacement	*207*	*est bbls*						

Annular Capacities				
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 volume*	*est shoe jt ft*	42
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*	Avis 616 viscosifier	Xcem-311	SS201 Surfactant
	113.2 lbs/bbl	4.0 lb/bbl	Defoamer .8 lb/bbl	0.5 gal/bbl

			Bentonite			IntegraGuard		Xcem-311
		Pozzolan Fly Ash	Viscosifier 4%	FL24 Fluid Loss .4%		GW86 Viscosifier	R3 Retarder .2%	Defoamer 0.3%
Lead/Tail	*Type G 50%*	Extender 50%	BWOB	BWOB		.1% BWOB	BWOB	BWOB

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

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

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

COMPLETION AND PRODUCTION PLAN:

Est Lateral Length: 9,904

Est Frac Inform: *41 Frac Stages 159,000 bbls slick water 12,880,000 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

Prepared by: **Greg Olson 7/18/2024**

Updated: **Greg Olson 5/1/2025**

WELL NAME: **N Alamito Unit 312H**

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

API Number: *Not yet assigned*

AFE Number: *Not yet assigned*

ER Well Number: *Not yet assigned*

State: New Mexico

County: San Juan

Surface Elev.:	6,946	ft ASL (GL)	6,970	ft ASL (KB)		
Surface Location:	28-23-7	Sec-Twn- Rng	1,227	ft FSL	42	ft FEL
BH Location:	3-22-7	Sec-Twn- Rng	2346	ft FNL	500	ft FEL

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 112.8; Right (South) on CR 7900/Indian Service Rte 7061 for 5.2 miles to fork (0.1 miles past T to Cty Rd 7950); Left (East) exiting CR 7900 for 5.6 miles to T; Left (North) for 1.2 miles to location NAU 232H pad. There are two existing wells on this pad; NAU 232H and 233H. There are four proposed new wells on this location, From West (location entrance) to East: N Alamito Unit 311H, 312H, 004H and 301H.

QUICK REFERENCE		
Sur TD (MD)	350	ft
Int TD (MD)	5,602	ft
KOP (MD)	4,752	ft
KOP (TVD)	4,712	ft
POE (TVD)	5,149	ft
Curve BUR	10	°/100 ft
POE (MD)	5,249	ft
TD (MD)	15,253	ft
Lat Len (ft)	10,004	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	12.250	350	9.625	36	K-55	STC	0	350
Intermediate	8.750	5,602	7	26.0	K-55	LTC	0	5,602
Production	6.125	15,253	4.500	11.6	P-110	BTC	5,452	15,253

CEMENT PROPERTIES SUMMARY:

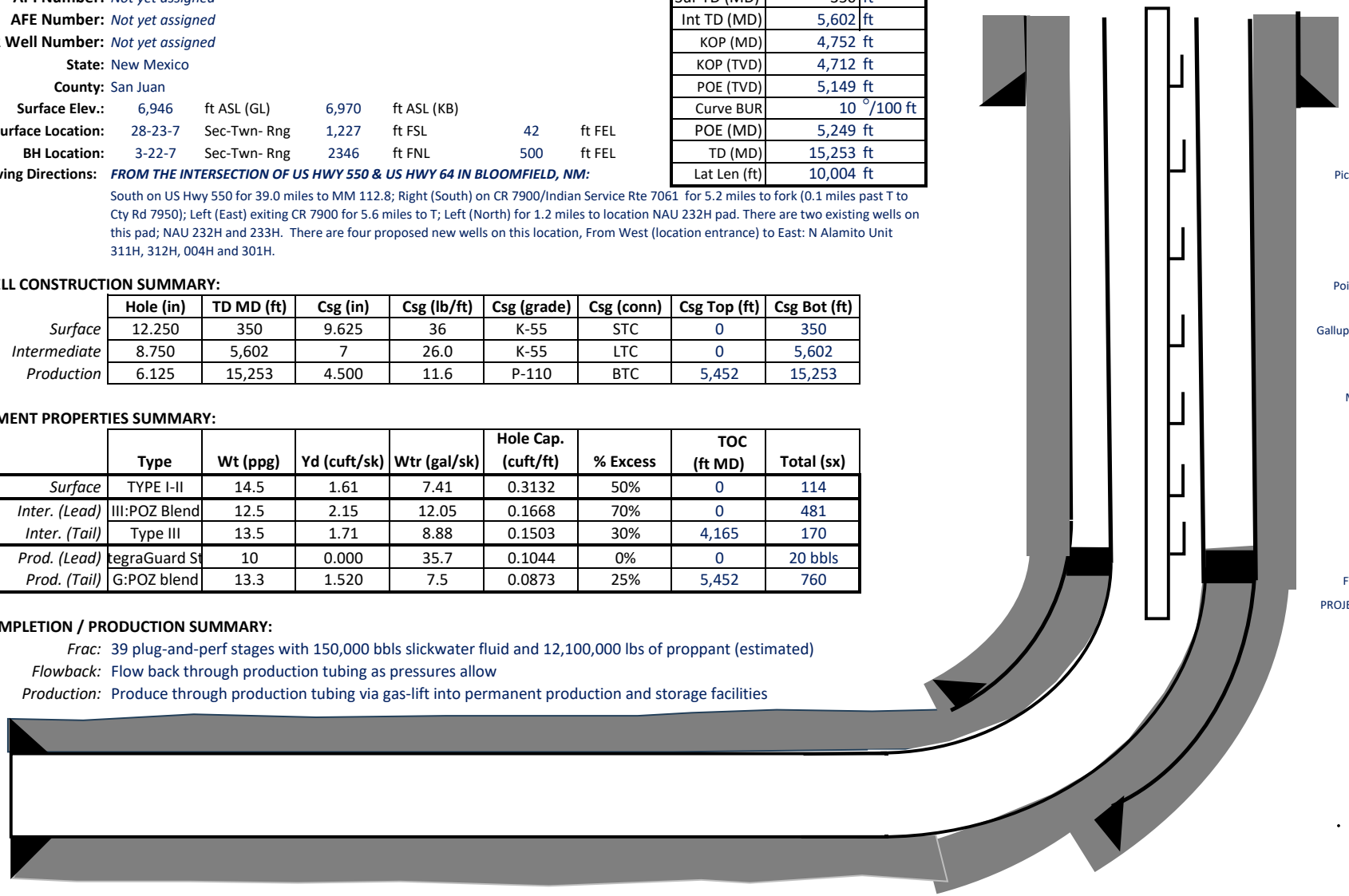
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.15	12.05	0.1668	70%	0	481
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	30%	4,165	170
Prod. (Lead)	tegraGuard St	10	0.000	35.7	0.1044	0%	0	20 bbls
Prod. (Tail)	G:POZ blend	13.3	1.520	7.5	0.0873	25%	5,452	760

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

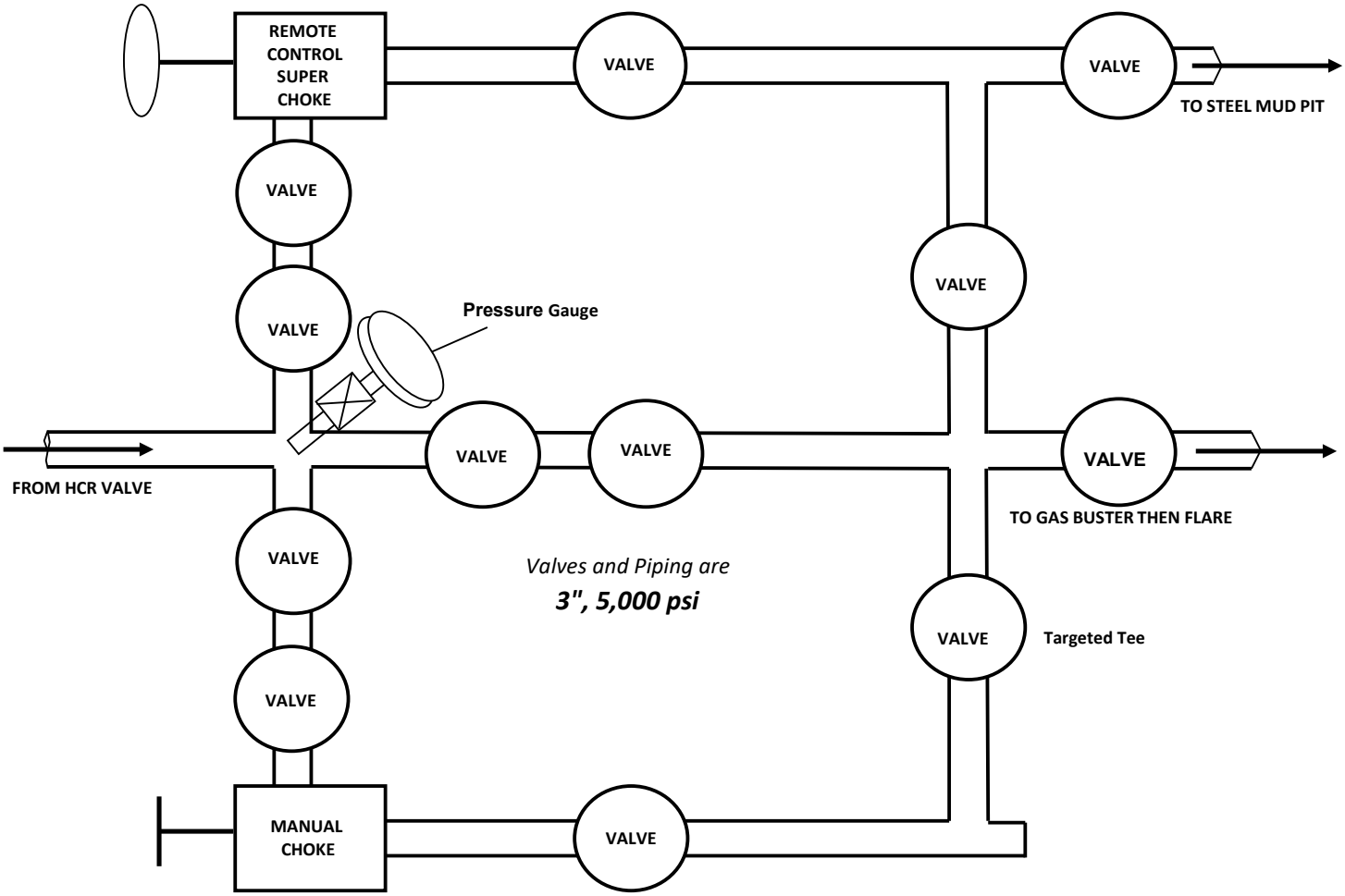


Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	1,090	1,090
Kirtland	1,190	1,190
Fruitland	1,350	1,352
Pictured Cliffs	1,640	1,647
Lewis	1,800	1,810
Chacra	2,050	2,065
Cliff House	3,140	3,174
Menefee	3,180	3,215
Point Lookout	4,010	4,050
Mancos	4,225	4,265
Gallup (MNCS_A)	4,540	4,580
MNCS_B	4,635	4,675
MNCS_C	4,735	4,775
MNCS_Cms	4,770	4,810
MNCS_D	4,900	4,944
MNCS_E	5,025	5,083
MNCS_F	5,074	5,144
MNCS_G	5,149	5,249
MNCS_H	5,213	5,362
MNCS_I	5,267	5,507
FTP TARGET	5,149	5,249
PROJECTED BHL	5,199	15,253

N ALAMITO UNIT 312H

NOTE: EXACT BOPE AND CHOKE CONFIRGURATION AND COMPONENTS MAY DIFFER FROM WHAT IS DEPICTED IN THE DIGRAMS BELOW DEPENDING ON THE RIG AND ITS ASSOCIATED EQUIPMENT. RAM PREVENTERS, ANNULAR PREVENTERS, AND CHOKE MANIFOLD AND COMPONENTS WILL BE RATED TO 3,000 PSI MINIMUM.

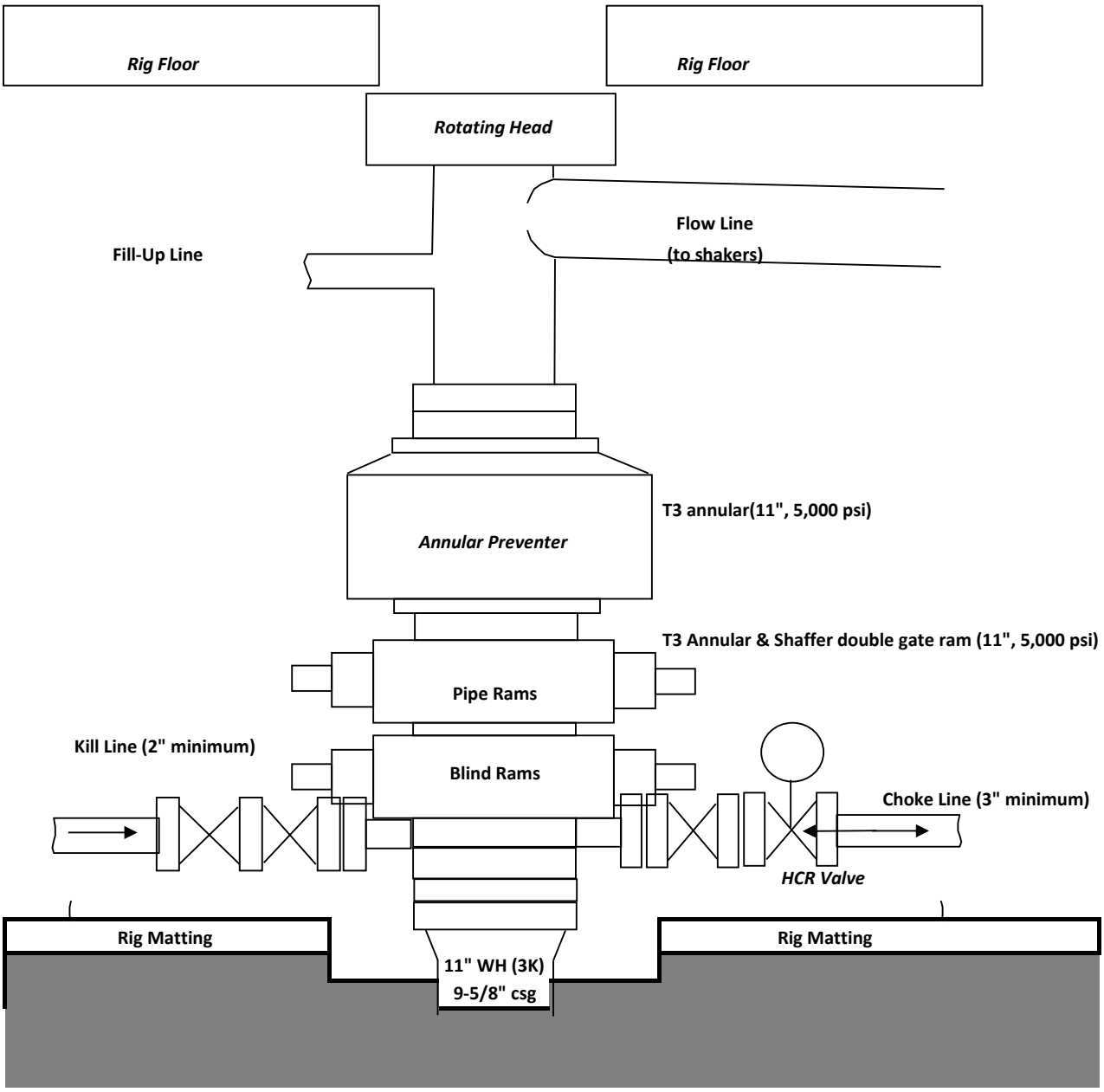
CHOKE MANIFOLD

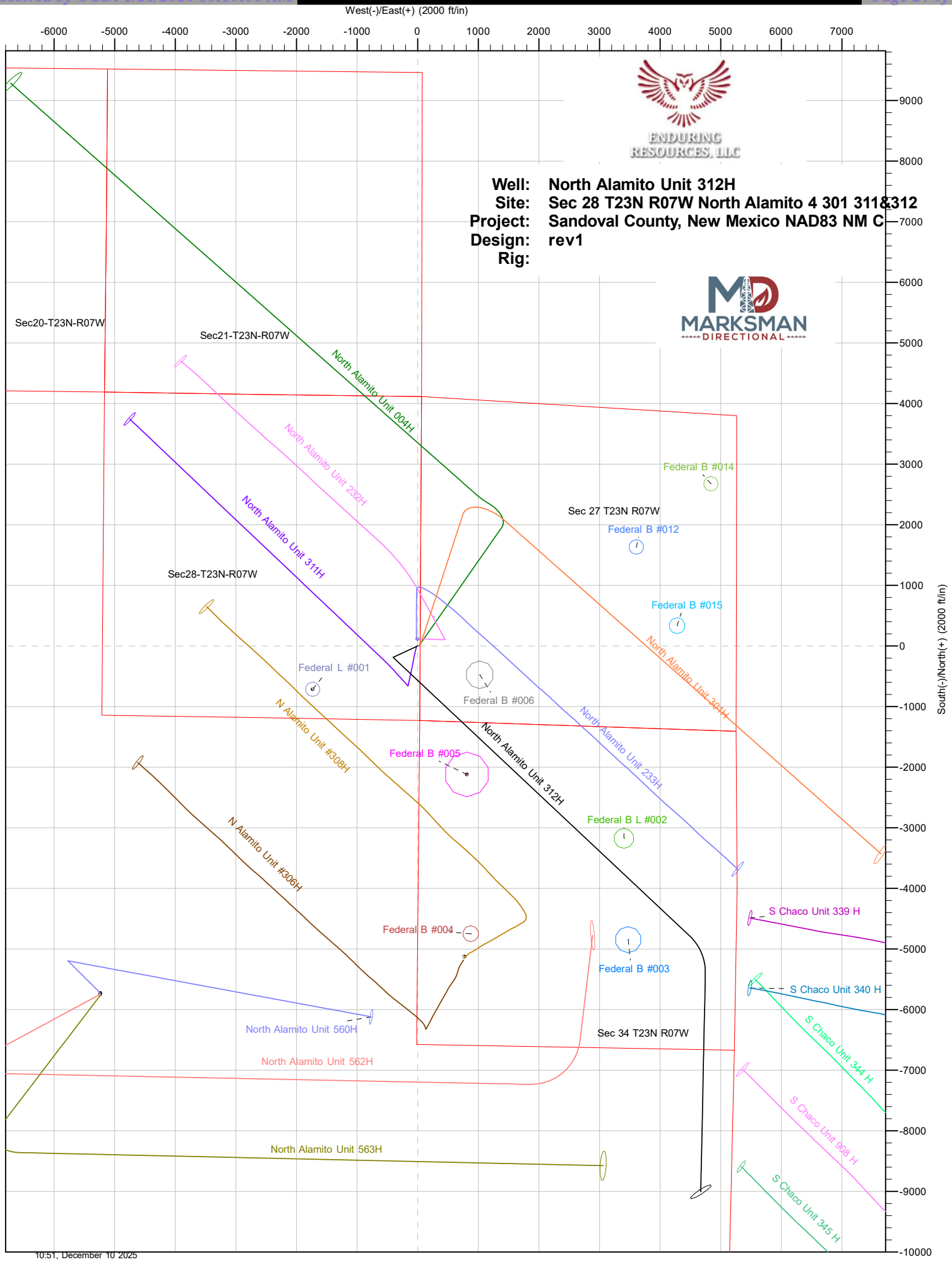


N ALAMITO UNIT 312H

NOTE: EXACT BOPE AND CHOKE CONFIRGURATION AND COMPONENTS MAY DIFFER FROM WHAT IS DEPICTED IN THE DIGRAMS BELOW DEPENDING ON THE RIG AND ITS ASSOCIATED EQUIPMENT. RAM PREVENTERS, ANNULAR PREVENTERS, AND CHOKE MANIFOLD AND COMPONENTS WILL BE RATED TO 3,000 PSI MINIMUM.

BOPE




West(-)/East(+) (2000 ft/in)
-6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000 3000 4000 5000 6000 7000
ENDURING RESOURCES, LLC
Well: North Alamito Unit 312H
Site: Sec 28 T23N R07W North Alamito 4 301 311&312
Project: Sandoval County, New Mexico NAD83 NM C
Design: rev1
Rig:
MARKSMAN DIRECTIONAL
Sec20-T23N-R07W
Sec21-T23N-R07W
Sec28-T23N-R07W
Sec 27 T23N R07W
Sec 34 T23N R07W
North Alamito Unit 004H
North Alamito Unit 232H
North Alamito Unit 311H
North Alamito Unit 304H
North Alamito Unit 233H
North Alamito Unit 312H
N Alamito Unit #308H
N Alamito Unit #306H
North Alamito Unit 560H
North Alamito Unit 562H
North Alamito Unit 563H
Federal B #014
Federal B #012
Federal B #015
Federal L #001
Federal B #006
Federal B #005
Federal B L #002
Federal B #004
Federal B #003
S Chaco Unit 339 H
S Chaco Unit 340 H
S Chaco Unit 344 H
S Chaco Unit 908 H
S Chaco Unit 345 H
South(-)/North(+) (2000 ft/in)
9000 8000 7000 6000 5000 4000 3000 2000 1000 0 -1000 -2000 -3000 -4000 -5000 -6000 -7000 -8000 -9000 -10000
10:51, December 10 2025

ENDURING RESOURCES, LLC

Well: North Alamito Unit 312H
Site: North Alamito Unit (4, 301,311 & 312)
oject: Sandoval County, New Mexico NAD83 NmW
esign: rev0
Rig:

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
North Alamito 312H vert	4711.60	-193.50	-401.49	1889786.81	2800032.21	36.19336841	-107.57257444
North Alamito 312H LTP 2346 FNL 500 FEL	5199.00	-8927.00	4817.47	1881053.32	2805251.15	36.16933700	-107.55497200
North Alamito 312H FTP 710 FSL 256 FEL	5289.00	-517.11	-208.10	1889463.20	2800225.59	36.19247800	-107.57192200
North Alamito 312H vs=0	5289.00	-227.71	-381.04	1889752.60	2800052.65	36.19327429	-107.57250545

CASING DETAILS

TVD	MD	Name
350.00	350.00	9-5/8" Surface Casing
5282.38	5601.55	7" Intermediate Casing

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Depth Reference: RKB=6946+23.5 @ 6969.50ft

Surface location:

Northing	Easting	Latitude	Longitude
1889980.31	2800433.69	36.19389700	-107.57121200

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.156°

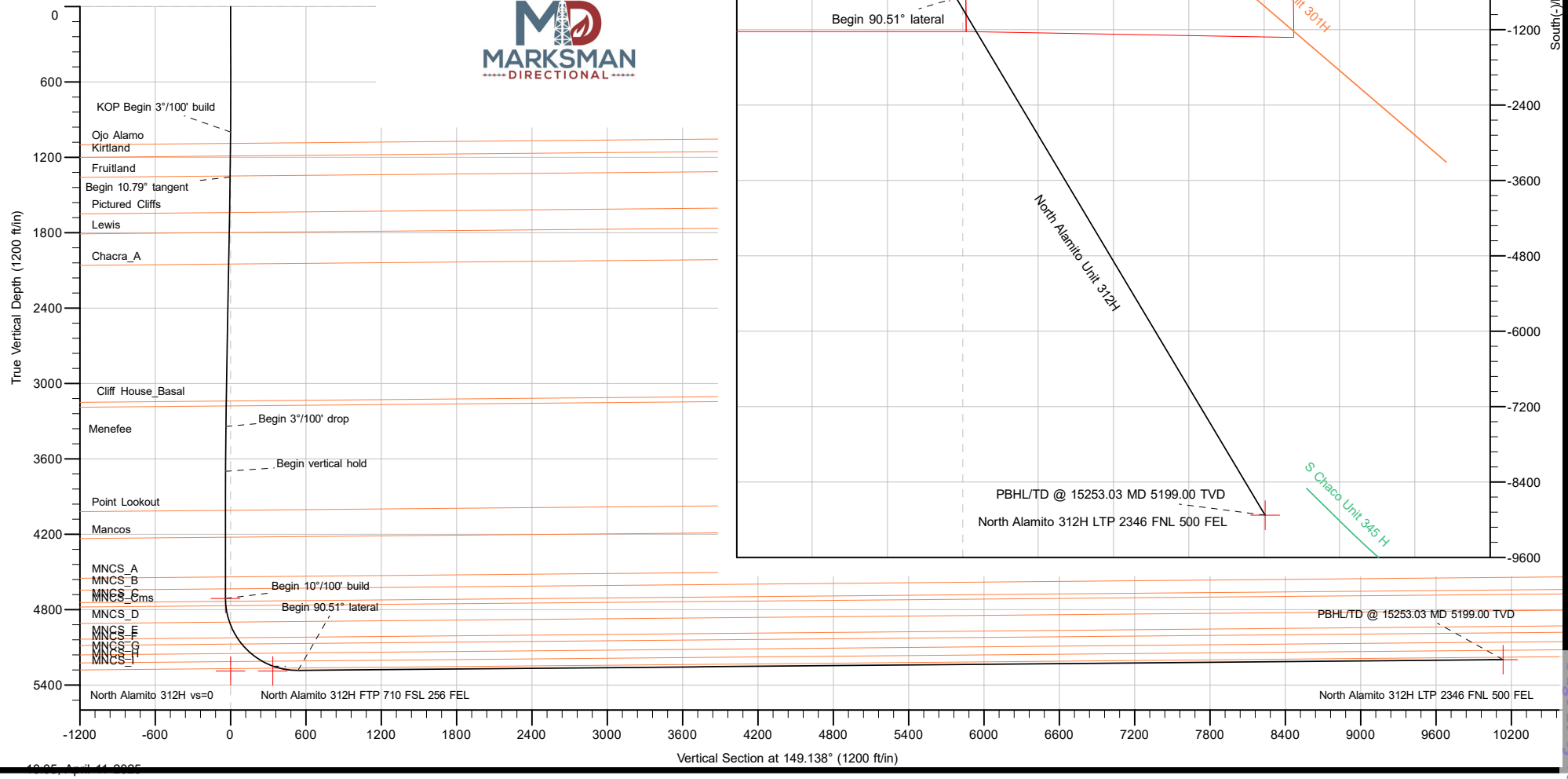
T G M

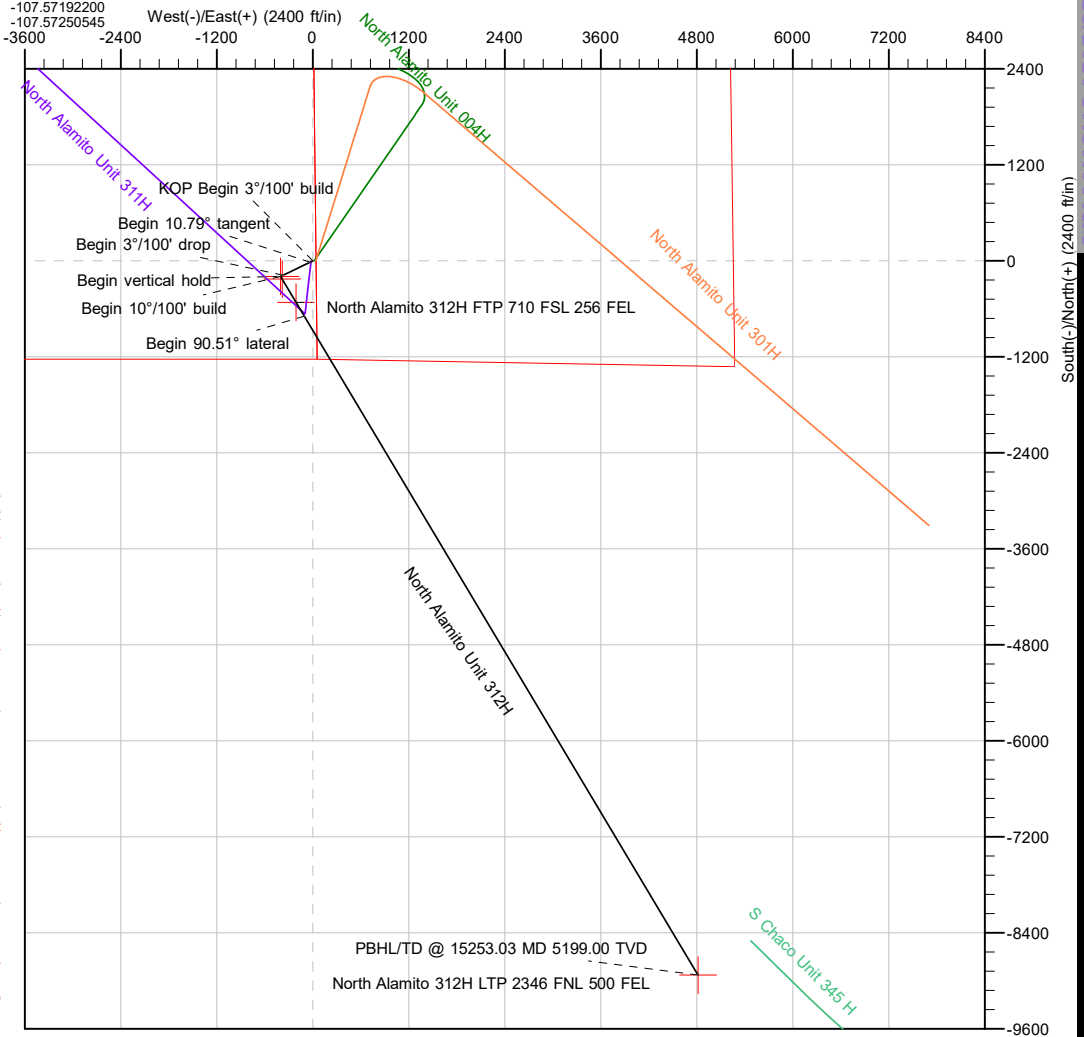
Azimuths to Grid North
True North: -0.15°
Magnetic North: 8.16°

Magnetic Field
Strength: 48919.8nT
Dip Angle: 62.66°
Date: 4/10/2025
Model: IGRF2020

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.000	0.00	
2	1000.00	0.00	0.000	1000.00	0.00	0.00	0.00	0.000	0.00	KOP Begin 3°/100' build
3	1359.55	10.79	244.268	1357.43	-14.65	-30.40	3.00	244.268	-3.02	Begin 10.79° tangent
4	3380.40	10.79	244.268	3342.57	-178.85	-371.09	0.00	0.000	-36.83	Begin 3°/100' drop
5	3739.95	0.00	0.000	3700.00	-193.50	-401.49	3.00	180.000	-39.85	Begin vertical hold
6	4751.55	0.00	0.000	4711.60	-193.50	-401.49	0.00	0.000	-39.85	Begin 10°/100' build
7	5451.55	70.00	149.138	5250.00	-517.11	-208.10	10.00	149.138	337.14	
8	5656.65	90.51	149.138	5284.54	-689.71	-104.96	10.00	0.001	538.21	Begin 90.51° lateral
9	15253.03	90.51	149.138	5199.00	-8927.00	4817.47	0.00	0.000	10134.21	PBHL/TD

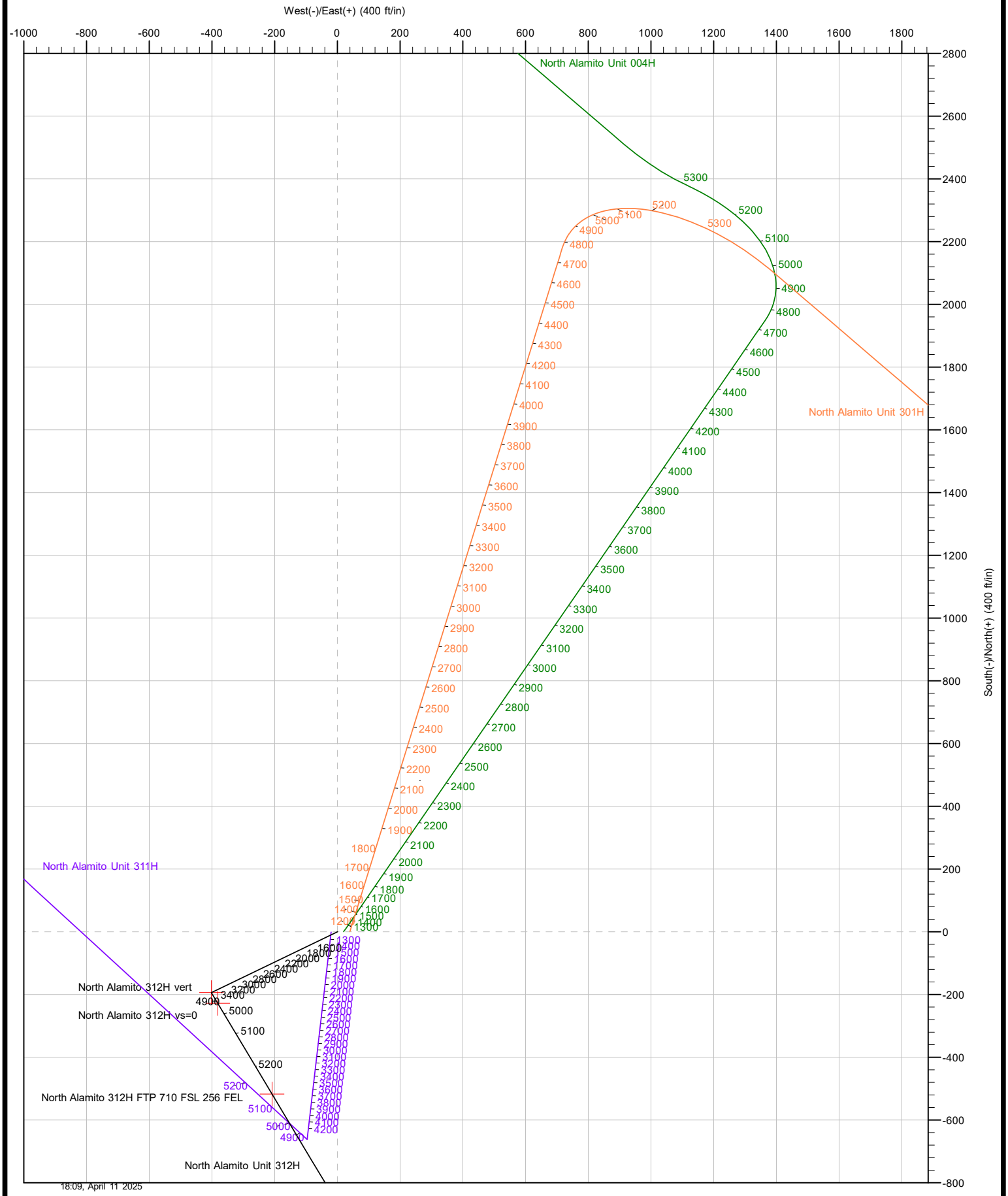




ENDURING RESOURCES, LLC

Well: North Alamito Unit 312H
Site: North Alamito Unit (4, 301,311 & 312)
Project: Sandoval County, New Mexico NAD83 NmW
Design: rev0
Rig:

MARKSMAN DIRECTIONAL



Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project Sandoval County, New Mexico NAD83 NmW

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

Site North Alamito Unit (4, 301,311 & 312)

Site Position:		**Northing:**	1,889,980.73 usft	**Latitude:**	36.19389800
From:	Lat/Long	**Easting:**	2,800,453.76 usft	**Longitude:**	-107.57114400
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well North Alamito Unit 312H, Surf loc: 1227 FSL 42 FEL Section 28-T23N-R07W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,889,980.31 usft	**Latitude:**	36.19389700
	+E/-W	0.00 ft	**Easting:**	2,800,433.70 usft	**Longitude:**	-107.57121200
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,946.00 ft
Grid Convergence:		0.155 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/10/2025	8.310	62.655	48,919.82008953

Design rev0

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	149.138

Plan Survey Tool Program **Date** 4/11/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,253.03	rev0 (Original Hole)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,359.55	10.79	244.268	1,357.43	-14.65	-30.40	3.00	3.00	0.00	244.268	
3,380.40	10.79	244.268	3,342.57	-178.85	-371.09	0.00	0.00	0.00	0.000	
3,739.95	0.00	0.000	3,700.00	-193.50	-401.49	3.00	-3.00	0.00	180.000	
4,751.55	0.00	0.000	4,711.60	-193.50	-401.49	0.00	0.00	0.00	0.000	North Alamito 312H v
5,451.55	70.00	149.138	5,250.00	-517.11	-208.10	10.00	10.00	0.00	149.138	
5,656.65	90.51	149.138	5,284.54	-689.71	-104.96	10.00	10.00	0.00	0.001	
15,253.03	90.51	149.138	5,199.00	-8,927.00	4,817.47	0.00	0.00	0.00	0.000	North Alamito 312H L

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
350.00	0.00	0.000	350.00	0.00	0.00	0.00	0.00	0.00	0.00
9-5/8" Surface Casing									
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP Begin 3°/100' build									
1,090.04	2.70	244.268	1,090.00	-0.92	-1.91	-0.19	3.00	3.00	0.00
Ojo Alamo									
1,100.00	3.00	244.268	1,099.95	-1.14	-2.36	-0.23	3.00	3.00	0.00
1,190.32	5.71	244.268	1,190.01	-4.11	-8.54	-0.85	3.00	3.00	0.00
Kirtland									
1,200.00	6.00	244.268	1,199.63	-4.54	-9.42	-0.94	3.00	3.00	0.00
1,300.00	9.00	244.268	1,298.77	-10.21	-21.18	-2.10	3.00	3.00	0.00
1,352.02	10.56	244.268	1,350.03	-14.04	-29.14	-2.89	3.00	3.00	0.00
Fruitland									
1,359.55	10.79	244.268	1,357.43	-14.65	-30.40	-3.02	3.00	3.00	0.00
Begin 10.79° tangent									
1,400.00	10.79	244.268	1,397.17	-17.94	-37.22	-3.69	0.00	0.00	0.00
1,500.00	10.79	244.268	1,495.40	-26.06	-54.08	-5.37	0.00	0.00	0.00
1,600.00	10.79	244.268	1,593.63	-34.19	-70.94	-7.04	0.00	0.00	0.00
1,647.27	10.79	244.268	1,640.07	-38.03	-78.91	-7.83	0.00	0.00	0.00
Pictured Cliffs									
1,700.00	10.79	244.268	1,691.86	-42.31	-87.79	-8.71	0.00	0.00	0.00
1,800.00	10.79	244.268	1,790.10	-50.44	-104.65	-10.39	0.00	0.00	0.00
1,810.18	10.79	244.268	1,800.09	-51.27	-106.37	-10.56	0.00	0.00	0.00
Lewis									
1,900.00	10.79	244.268	1,888.33	-58.56	-121.51	-12.06	0.00	0.00	0.00
2,000.00	10.79	244.268	1,986.56	-66.69	-138.37	-13.73	0.00	0.00	0.00
2,064.71	10.79	244.268	2,050.13	-71.95	-149.28	-14.82	0.00	0.00	0.00
Chacra_A									
2,100.00	10.79	244.268	2,084.80	-74.81	-155.23	-15.41	0.00	0.00	0.00
2,200.00	10.79	244.268	2,183.03	-82.94	-172.09	-17.08	0.00	0.00	0.00
2,300.00	10.79	244.268	2,281.26	-91.06	-188.95	-18.75	0.00	0.00	0.00
2,400.00	10.79	244.268	2,379.50	-99.19	-205.81	-20.43	0.00	0.00	0.00
2,500.00	10.79	244.268	2,477.73	-107.32	-222.67	-22.10	0.00	0.00	0.00
2,600.00	10.79	244.268	2,575.96	-115.44	-239.53	-23.78	0.00	0.00	0.00
2,700.00	10.79	244.268	2,674.20	-123.57	-256.38	-25.45	0.00	0.00	0.00
2,800.00	10.79	244.268	2,772.43	-131.69	-273.24	-27.12	0.00	0.00	0.00
2,900.00	10.79	244.268	2,870.66	-139.82	-290.10	-28.80	0.00	0.00	0.00
3,000.00	10.79	244.268	2,968.90	-147.94	-306.96	-30.47	0.00	0.00	0.00
3,100.00	10.79	244.268	3,067.13	-156.07	-323.82	-32.14	0.00	0.00	0.00
3,174.48	10.79	244.268	3,140.30	-162.12	-336.38	-33.39	0.00	0.00	0.00
Cliff House_Basal									
3,200.00	10.79	244.268	3,165.36	-164.19	-340.68	-33.82	0.00	0.00	0.00
3,215.21	10.79	244.268	3,180.30	-165.43	-343.24	-34.07	0.00	0.00	0.00

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Menefee									
3,300.00	10.79	244.268	3,263.60	-172.32	-357.54	-35.49	0.00	0.00	0.00
3,380.40	10.79	244.268	3,342.57	-178.85	-371.09	-36.83	0.00	0.00	0.00
Begin 3°/100' drop									
3,400.00	10.20	244.268	3,361.85	-180.40	-374.31	-37.15	3.00	-3.00	0.00
3,500.00	7.20	244.268	3,460.69	-186.96	-387.93	-38.51	3.00	-3.00	0.00
3,600.00	4.20	244.268	3,560.18	-191.27	-396.87	-39.39	3.00	-3.00	0.00
3,700.00	1.20	244.268	3,660.06	-193.32	-401.11	-39.81	3.00	-3.00	0.00
3,739.95	0.00	0.000	3,700.00	-193.50	-401.49	-39.85	3.00	-3.00	0.00
Begin vertical hold									
3,800.00	0.00	0.000	3,760.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
3,900.00	0.00	0.000	3,860.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,000.00	0.00	0.000	3,960.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,050.30	0.00	0.000	4,010.35	-193.50	-401.49	-39.85	0.00	0.00	0.00
Point Lookout									
4,100.00	0.00	0.000	4,060.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,200.00	0.00	0.000	4,160.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,265.30	0.00	0.000	4,225.35	-193.50	-401.49	-39.85	0.00	0.00	0.00
Mancos									
4,300.00	0.00	0.000	4,260.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,400.00	0.00	0.000	4,360.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,500.00	0.00	0.000	4,460.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,580.30	0.00	0.000	4,540.35	-193.50	-401.49	-39.85	0.00	0.00	0.00
MNCS_A									
4,600.00	0.00	0.000	4,560.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,675.30	0.00	0.000	4,635.35	-193.50	-401.49	-39.85	0.00	0.00	0.00
MNCS_B									
4,700.00	0.00	0.000	4,660.05	-193.50	-401.49	-39.85	0.00	0.00	0.00
4,751.55	0.00	0.000	4,711.60	-193.50	-401.49	-39.85	0.00	0.00	0.00
Begin 10°/100' build									
4,775.30	2.38	149.138	4,735.35	-193.92	-401.24	-39.36	10.00	10.00	0.00
MNCS_C									
4,800.00	4.85	149.138	4,760.00	-195.26	-400.44	-37.80	10.00	10.00	0.00
4,810.38	5.88	149.138	4,770.33	-196.09	-399.94	-36.83	10.00	10.00	0.00
MNCS_Cms									
4,850.00	9.85	149.138	4,809.57	-200.74	-397.16	-31.41	10.00	10.00	0.00
4,900.00	14.85	149.138	4,858.40	-209.92	-391.68	-20.73	10.00	10.00	0.00
4,943.59	19.20	149.138	4,900.07	-220.87	-385.13	-7.97	10.00	10.00	0.00
MNCS_D									
4,950.00	19.85	149.138	4,906.11	-222.71	-384.04	-5.82	10.00	10.00	0.00
5,000.00	24.85	149.138	4,952.34	-239.02	-374.29	13.18	10.00	10.00	0.00
5,050.00	29.85	149.138	4,996.74	-258.73	-362.51	36.14	10.00	10.00	0.00
5,082.59	33.10	149.138	5,024.53	-273.33	-353.78	53.15	10.00	10.00	0.00
MNCS_E									
5,100.00	34.85	149.138	5,038.97	-281.69	-348.79	62.88	10.00	10.00	0.00
5,144.16	39.26	149.138	5,074.20	-304.52	-335.14	89.49	10.00	10.00	0.00
MNCS_F									
5,150.00	39.85	149.138	5,078.71	-307.72	-333.24	93.20	10.00	10.00	0.00
5,200.00	44.85	149.138	5,115.65	-336.62	-315.97	126.87	10.00	10.00	0.00
5,248.51	49.70	149.138	5,148.55	-367.20	-297.69	162.50	10.00	10.00	0.00
MNCS_G									
5,250.00	49.85	149.138	5,149.52	-368.17	-297.11	163.63	10.00	10.00	0.00

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**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)
5,300.00	54.85	149.138	5,180.05	-402.14	-276.81	203.21	10.00	10.00	0.00
5,350.00	59.85	149.138	5,207.02	-438.27	-255.22	245.29	10.00	10.00	0.00
5,361.56	61.00	149.138	5,212.73	-446.90	-250.06	255.34	10.00	10.00	0.00
MNCS_H									
5,400.00	64.85	149.138	5,230.22	-476.27	-232.51	289.56	10.00	10.00	0.00
5,451.55	70.00	149.138	5,250.00	-517.11	-208.10	337.14	10.00	10.00	0.00
5,500.00	74.85	149.138	5,264.63	-556.75	-184.41	383.32	10.00	10.00	0.00
5,507.41	75.59	149.138	5,266.52	-562.91	-180.74	390.49	10.00	10.00	0.00
MNCS_I									
5,550.00	79.85	149.138	5,275.58	-598.62	-159.40	432.09	10.00	10.00	0.00
5,600.00	84.85	149.138	5,282.24	-641.14	-133.98	481.63	10.00	10.00	0.00
5,601.55	85.00	149.138	5,282.38	-642.47	-133.19	483.17	10.00	10.00	0.00
7" Intermediate Casing									
5,650.00	89.85	149.138	5,284.56	-684.00	-108.37	531.56	10.00	10.00	0.00
5,656.65	90.51	149.138	5,284.54	-689.71	-104.96	538.21	10.00	10.00	0.00
Begin 90.51° lateral									
5,700.00	90.51	149.138	5,284.15	-726.92	-82.72	581.56	0.00	0.00	0.00
5,800.00	90.51	149.138	5,283.26	-812.76	-31.43	681.56	0.00	0.00	0.00
5,900.00	90.51	149.138	5,282.37	-898.60	19.86	781.55	0.00	0.00	0.00
6,000.00	90.51	149.138	5,281.47	-984.44	71.16	881.55	0.00	0.00	0.00
6,100.00	90.51	149.138	5,280.58	-1,070.27	122.45	981.54	0.00	0.00	0.00
6,200.00	90.51	149.138	5,279.69	-1,156.11	173.75	1,081.54	0.00	0.00	0.00
6,300.00	90.51	149.138	5,278.80	-1,241.95	225.04	1,181.54	0.00	0.00	0.00
6,400.00	90.51	149.138	5,277.91	-1,327.79	276.34	1,281.53	0.00	0.00	0.00
6,500.00	90.51	149.138	5,277.02	-1,413.62	327.63	1,381.53	0.00	0.00	0.00
6,600.00	90.51	149.138	5,276.13	-1,499.46	378.93	1,481.52	0.00	0.00	0.00
6,700.00	90.51	149.138	5,275.24	-1,585.30	430.22	1,581.52	0.00	0.00	0.00
6,800.00	90.51	149.138	5,274.34	-1,671.13	481.52	1,681.52	0.00	0.00	0.00
6,900.00	90.51	149.138	5,273.45	-1,756.97	532.81	1,781.51	0.00	0.00	0.00
7,000.00	90.51	149.138	5,272.56	-1,842.81	584.11	1,881.51	0.00	0.00	0.00
7,100.00	90.51	149.138	5,271.67	-1,928.65	635.40	1,981.50	0.00	0.00	0.00
7,200.00	90.51	149.138	5,270.78	-2,014.48	686.70	2,081.50	0.00	0.00	0.00
7,300.00	90.51	149.138	5,269.89	-2,100.32	737.99	2,181.50	0.00	0.00	0.00
7,400.00	90.51	149.138	5,269.00	-2,186.16	789.28	2,281.49	0.00	0.00	0.00
7,500.00	90.51	149.138	5,268.10	-2,272.00	840.58	2,381.49	0.00	0.00	0.00
7,600.00	90.51	149.138	5,267.21	-2,357.83	891.87	2,481.48	0.00	0.00	0.00
7,700.00	90.51	149.138	5,266.32	-2,443.67	943.17	2,581.48	0.00	0.00	0.00
7,800.00	90.51	149.138	5,265.43	-2,529.51	994.46	2,681.48	0.00	0.00	0.00
7,900.00	90.51	149.138	5,264.54	-2,615.35	1,045.76	2,781.47	0.00	0.00	0.00
8,000.00	90.51	149.138	5,263.65	-2,701.18	1,097.05	2,881.47	0.00	0.00	0.00
8,100.00	90.51	149.138	5,262.76	-2,787.02	1,148.35	2,981.46	0.00	0.00	0.00
8,200.00	90.51	149.138	5,261.87	-2,872.86	1,199.64	3,081.46	0.00	0.00	0.00
8,300.00	90.51	149.138	5,260.97	-2,958.70	1,250.94	3,181.46	0.00	0.00	0.00
8,400.00	90.51	149.138	5,260.08	-3,044.53	1,302.23	3,281.45	0.00	0.00	0.00
8,500.00	90.51	149.138	5,259.19	-3,130.37	1,353.53	3,381.45	0.00	0.00	0.00
8,600.00	90.51	149.138	5,258.30	-3,216.21	1,404.82	3,481.44	0.00	0.00	0.00
8,700.00	90.51	149.138	5,257.41	-3,302.05	1,456.11	3,581.44	0.00	0.00	0.00
8,800.00	90.51	149.138	5,256.52	-3,387.88	1,507.41	3,681.44	0.00	0.00	0.00
8,900.00	90.51	149.138	5,255.63	-3,473.72	1,558.70	3,781.43	0.00	0.00	0.00
9,000.00	90.51	149.138	5,254.74	-3,559.56	1,610.00	3,881.43	0.00	0.00	0.00
9,100.00	90.51	149.138	5,253.84	-3,645.40	1,661.29	3,981.42	0.00	0.00	0.00
9,200.00	90.51	149.138	5,252.95	-3,731.23	1,712.59	4,081.42	0.00	0.00	0.00
9,300.00	90.51	149.138	5,252.06	-3,817.07	1,763.88	4,181.42	0.00	0.00	0.00

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,400.00	90.51	149.138	5,251.17	-3,902.91	1,815.18	4,281.41	0.00	0.00	0.00
9,500.00	90.51	149.138	5,250.28	-3,988.75	1,866.47	4,381.41	0.00	0.00	0.00
9,600.00	90.51	149.138	5,249.39	-4,074.58	1,917.77	4,481.40	0.00	0.00	0.00
9,700.00	90.51	149.138	5,248.50	-4,160.42	1,969.06	4,581.40	0.00	0.00	0.00
9,800.00	90.51	149.138	5,247.60	-4,246.26	2,020.36	4,681.40	0.00	0.00	0.00
9,900.00	90.51	149.138	5,246.71	-4,332.10	2,071.65	4,781.39	0.00	0.00	0.00
10,000.00	90.51	149.138	5,245.82	-4,417.93	2,122.94	4,881.39	0.00	0.00	0.00
10,100.00	90.51	149.138	5,244.93	-4,503.77	2,174.24	4,981.38	0.00	0.00	0.00
10,200.00	90.51	149.138	5,244.04	-4,589.61	2,225.53	5,081.38	0.00	0.00	0.00
10,300.00	90.51	149.138	5,243.15	-4,675.45	2,276.83	5,181.38	0.00	0.00	0.00
10,400.00	90.51	149.138	5,242.26	-4,761.28	2,328.12	5,281.37	0.00	0.00	0.00
10,500.00	90.51	149.138	5,241.37	-4,847.12	2,379.42	5,381.37	0.00	0.00	0.00
10,600.00	90.51	149.138	5,240.47	-4,932.96	2,430.71	5,481.36	0.00	0.00	0.00
10,700.00	90.51	149.138	5,239.58	-5,018.80	2,482.01	5,581.36	0.00	0.00	0.00
10,800.00	90.51	149.138	5,238.69	-5,104.63	2,533.30	5,681.36	0.00	0.00	0.00
10,900.00	90.51	149.138	5,237.80	-5,190.47	2,584.60	5,781.35	0.00	0.00	0.00
11,000.00	90.51	149.138	5,236.91	-5,276.31	2,635.89	5,881.35	0.00	0.00	0.00
11,100.00	90.51	149.138	5,236.02	-5,362.15	2,687.19	5,981.34	0.00	0.00	0.00
11,200.00	90.51	149.138	5,235.13	-5,447.98	2,738.48	6,081.34	0.00	0.00	0.00
11,300.00	90.51	149.138	5,234.23	-5,533.82	2,789.77	6,181.34	0.00	0.00	0.00
11,400.00	90.51	149.138	5,233.34	-5,619.66	2,841.07	6,281.33	0.00	0.00	0.00
11,500.00	90.51	149.138	5,232.45	-5,705.49	2,892.36	6,381.33	0.00	0.00	0.00
11,600.00	90.51	149.138	5,231.56	-5,791.33	2,943.66	6,481.32	0.00	0.00	0.00
11,700.00	90.51	149.138	5,230.67	-5,877.17	2,994.95	6,581.32	0.00	0.00	0.00
11,800.00	90.51	149.138	5,229.78	-5,963.01	3,046.25	6,681.32	0.00	0.00	0.00
11,900.00	90.51	149.138	5,228.89	-6,048.84	3,097.54	6,781.31	0.00	0.00	0.00
12,000.00	90.51	149.138	5,228.00	-6,134.68	3,148.84	6,881.31	0.00	0.00	0.00
12,100.00	90.51	149.138	5,227.10	-6,220.52	3,200.13	6,981.31	0.00	0.00	0.00
12,200.00	90.51	149.138	5,226.21	-6,306.36	3,251.43	7,081.30	0.00	0.00	0.00
12,300.00	90.51	149.138	5,225.32	-6,392.19	3,302.72	7,181.30	0.00	0.00	0.00
12,400.00	90.51	149.138	5,224.43	-6,478.03	3,354.02	7,281.29	0.00	0.00	0.00
12,500.00	90.51	149.138	5,223.54	-6,563.87	3,405.31	7,381.29	0.00	0.00	0.00
12,600.00	90.51	149.138	5,222.65	-6,649.71	3,456.60	7,481.29	0.00	0.00	0.00
12,700.00	90.51	149.138	5,221.76	-6,735.54	3,507.90	7,581.28	0.00	0.00	0.00
12,800.00	90.51	149.138	5,220.86	-6,821.38	3,559.19	7,681.28	0.00	0.00	0.00
12,900.00	90.51	149.138	5,219.97	-6,907.22	3,610.49	7,781.27	0.00	0.00	0.00
13,000.00	90.51	149.138	5,219.08	-6,993.06	3,661.78	7,881.27	0.00	0.00	0.00
13,100.00	90.51	149.138	5,218.19	-7,078.89	3,713.08	7,981.27	0.00	0.00	0.00
13,200.00	90.51	149.138	5,217.30	-7,164.73	3,764.37	8,081.26	0.00	0.00	0.00
13,300.00	90.51	149.138	5,216.41	-7,250.57	3,815.67	8,181.26	0.00	0.00	0.00
13,400.00	90.51	149.138	5,215.52	-7,336.41	3,866.96	8,281.25	0.00	0.00	0.00
13,500.00	90.51	149.138	5,214.63	-7,422.24	3,918.26	8,381.25	0.00	0.00	0.00
13,600.00	90.51	149.138	5,213.73	-7,508.08	3,969.55	8,481.25	0.00	0.00	0.00
13,700.00	90.51	149.138	5,212.84	-7,593.92	4,020.85	8,581.24	0.00	0.00	0.00
13,800.00	90.51	149.138	5,211.95	-7,679.76	4,072.14	8,681.24	0.00	0.00	0.00
13,900.00	90.51	149.138	5,211.06	-7,765.59	4,123.43	8,781.23	0.00	0.00	0.00
14,000.00	90.51	149.138	5,210.17	-7,851.43	4,174.73	8,881.23	0.00	0.00	0.00
14,100.00	90.51	149.138	5,209.28	-7,937.27	4,226.02	8,981.23	0.00	0.00	0.00
14,200.00	90.51	149.138	5,208.39	-8,023.11	4,277.32	9,081.22	0.00	0.00	0.00
14,300.00	90.51	149.138	5,207.49	-8,108.94	4,328.61	9,181.22	0.00	0.00	0.00
14,400.00	90.51	149.138	5,206.60	-8,194.78	4,379.91	9,281.21	0.00	0.00	0.00
14,500.00	90.51	149.138	5,205.71	-8,280.62	4,431.20	9,381.21	0.00	0.00	0.00
14,600.00	90.51	149.138	5,204.82	-8,366.46	4,482.50	9,481.21	0.00	0.00	0.00
14,700.00	90.51	149.138	5,203.93	-8,452.29	4,533.79	9,581.20	0.00	0.00	0.00

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,800.00	90.51	149.138	5,203.04	-8,538.13	4,585.09	9,681.20	0.00	0.00	0.00
14,900.00	90.51	149.138	5,202.15	-8,623.97	4,636.38	9,781.19	0.00	0.00	0.00
15,000.00	90.51	149.138	5,201.26	-8,709.81	4,687.68	9,881.19	0.00	0.00	0.00
15,100.00	90.51	149.138	5,200.36	-8,795.64	4,738.97	9,981.19	0.00	0.00	0.00
15,200.00	90.51	149.138	5,199.47	-8,881.48	4,790.27	10,081.18	0.00	0.00	0.00
15,253.03	90.51	149.138	5,199.00	-8,927.00	4,817.47	10,134.21	0.00	0.00	0.00
PBHL/TD @ 15253.03 MD 5199.00 TVD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	9-5/8" Surface Casing	9-5/8	12-1/4
5,601.55	5,282.38	7" Intermediate Casing	7	8-3/4

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,090.04	1,090.00	Ojo Alamo		-0.510	149.138
1,190.32	1,190.01	Kirtland		-0.510	149.138
1,352.02	1,350.03	Fruitland		-0.510	149.138
1,647.27	1,640.07	Pictured Cliffs		-0.510	149.138
1,810.18	1,800.09	Lewis		-0.510	149.138
2,064.71	2,050.13	Chacra_A		-0.510	149.138
3,174.48	3,140.30	Cliff House_Basal		-0.510	149.138
3,215.21	3,180.30	Menefee		-0.510	149.138
4,050.30	4,010.35	Point Lookout		-0.510	149.138
4,265.30	4,225.35	Mancos		-0.510	149.138
4,580.30	4,540.35	MNCS_A		-0.510	149.138
4,675.30	4,635.35	MNCS_B		-0.510	149.138
4,775.30	4,735.35	MNCS_C		-0.510	149.138
4,810.38	4,770.33	MNCS_Cms		-0.510	149.138
4,943.59	4,900.07	MNCS_D		-0.510	149.138
5,082.59	5,024.53	MNCS_E		-0.510	149.138
5,144.16	5,074.20	MNCS_F		-0.510	149.138
5,248.51	5,148.55	MNCS_G		-0.510	149.138
5,361.56	5,212.73	MNCS_H		-0.510	149.138
5,507.41	5,266.52	MNCS_I		-0.510	149.138

Planning Report

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**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
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,359.55	1,357.43	-14.65	-30.40	Begin 10.79° tangent
3,380.40	3,342.57	-178.85	-371.09	Begin 3°/100' drop
3,739.95	3,700.00	-193.50	-401.49	Begin vertical hold
4,751.55	4,711.60	-193.50	-401.49	Begin 10°/100' build
5,451.55	5,250.00	-517.11	-208.10	
5,656.65	5,284.54	-689.71	-104.96	Begin 90.51° lateral
15,253.03	5,199.00	-8,927.00	4,817.47	PBHL/TD @ 15253.03 MD 5199.00 TVD

Planning Report - Geographic

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Project Sandoval County, New Mexico NAD83 NmW

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

Site North Alamito Unit (4, 301,311 & 312)

Site Position:		**Northing:**	1,889,980.73 usft	**Latitude:**	36.19389800
From:	Lat/Long	**Easting:**	2,800,453.76 usft	**Longitude:**	-107.57114400
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16 "		

Well North Alamito Unit 312H, Surf loc: 1227 FSL 42 FEL Section 28-T23N-R07W

Well Position	**+N/-S**	0.00 ft	**Northing:**	1,889,980.31 usft	**Latitude:**	36.19389700
	+E/-W	0.00 ft	**Easting:**	2,800,433.70 usft	**Longitude:**	-107.57121200
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6,946.00 ft
Grid Convergence:		0.155 °				

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/10/2025	8.310	62.655	48,919.82008953

Design rev0

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	149.138

Plan Survey Tool Program **Date** 4/11/2025

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,253.03	rev0 (Original Hole)	MWD OWSG MWD - Standard	

Planning Report - Geographic

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,359.55	10.79	244.268	1,357.43	-14.65	-30.40	3.00	3.00	0.00	244.268	
3,380.40	10.79	244.268	3,342.57	-178.85	-371.09	0.00	0.00	0.00	0.000	
3,739.95	0.00	0.000	3,700.00	-193.50	-401.49	3.00	-3.00	0.00	180.000	
4,751.55	0.00	0.000	4,711.60	-193.50	-401.49	0.00	0.00	0.00	0.000	North Alamito 312H v
5,451.55	70.00	149.138	5,250.00	-517.11	-208.10	10.00	10.00	0.00	149.138	
5,656.65	90.51	149.138	5,284.54	-689.71	-104.96	10.00	10.00	0.00	0.001	
15,253.03	90.51	149.138	5,199.00	-8,927.00	4,817.47	0.00	0.00	0.00	0.000	North Alamito 312H L

Planning Report - Geographic

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Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**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	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
100.00	0.00	0.000	100.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
200.00	0.00	0.000	200.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
300.00	0.00	0.000	300.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
350.00	0.00	0.000	350.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
9-5/8" Surface Casing									
400.00	0.00	0.000	400.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
500.00	0.00	0.000	500.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
600.00	0.00	0.000	600.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
700.00	0.00	0.000	700.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
800.00	0.00	0.000	800.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
900.00	0.00	0.000	900.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
1,000.00	0.00	0.000	1,000.00	0.00	0.00	1,889,980.31	2,800,433.70	36.19389700	-107.57121200
KOP Begin 3°/100' build									
1,090.04	2.70	244.268	1,090.00	-0.92	-1.91	1,889,979.39	2,800,431.79	36.19389448	-107.57121849
Ojo Alamo									
1,100.00	3.00	244.268	1,099.95	-1.14	-2.36	1,889,979.17	2,800,431.34	36.19389390	-107.57122001
1,190.32	5.71	244.268	1,190.01	-4.11	-8.54	1,889,976.19	2,800,425.16	36.19388576	-107.57124097
Kirtland									
1,200.00	6.00	244.268	1,199.63	-4.54	-9.42	1,889,975.77	2,800,424.27	36.19388459	-107.57124399
1,300.00	9.00	244.268	1,298.77	-10.21	-21.18	1,889,970.10	2,800,412.52	36.19386911	-107.57128388
1,352.02	10.56	244.268	1,350.03	-14.04	-29.14	1,889,966.26	2,800,404.56	36.19385863	-107.57131089
Fruitland									
1,359.55	10.79	244.268	1,357.43	-14.65	-30.40	1,889,965.66	2,800,403.30	36.19385698	-107.57131516
Begin 10.79° tangent									
1,400.00	10.79	244.268	1,397.17	-17.94	-37.22	1,889,962.37	2,800,396.48	36.19384800	-107.57133830
1,500.00	10.79	244.268	1,495.40	-26.06	-54.08	1,889,954.25	2,800,379.62	36.19382581	-107.57139551
1,600.00	10.79	244.268	1,593.63	-34.19	-70.94	1,889,946.12	2,800,362.76	36.19380361	-107.57145272
1,647.27	10.79	244.268	1,640.07	-38.03	-78.91	1,889,942.28	2,800,354.79	36.19379312	-107.57147977
Pictured Cliffs									
1,700.00	10.79	244.268	1,691.86	-42.31	-87.79	1,889,937.99	2,800,345.90	36.19378141	-107.57150993
1,800.00	10.79	244.268	1,790.10	-50.44	-104.65	1,889,929.87	2,800,329.04	36.19375922	-107.57156714
1,810.18	10.79	244.268	1,800.09	-51.27	-106.37	1,889,929.04	2,800,327.33	36.19375696	-107.57157297
Lewis									
1,900.00	10.79	244.268	1,888.33	-58.56	-121.51	1,889,921.74	2,800,312.18	36.19373702	-107.57162435
2,000.00	10.79	244.268	1,986.56	-66.69	-138.37	1,889,913.62	2,800,295.33	36.19371483	-107.57168157
2,064.71	10.79	244.268	2,050.13	-71.95	-149.28	1,889,908.36	2,800,284.42	36.19370046	-107.57171859
Chacra_A									
2,100.00	10.79	244.268	2,084.80	-74.81	-155.23	1,889,905.49	2,800,278.47	36.19369263	-107.57173878
2,200.00	10.79	244.268	2,183.03	-82.94	-172.09	1,889,897.37	2,800,261.61	36.19367044	-107.57179599
2,300.00	10.79	244.268	2,281.26	-91.06	-188.95	1,889,889.24	2,800,244.75	36.19364824	-107.57185320
2,400.00	10.79	244.268	2,379.50	-99.19	-205.81	1,889,881.12	2,800,227.89	36.19362604	-107.57191041
2,500.00	10.79	244.268	2,477.73	-107.32	-222.67	1,889,872.99	2,800,211.03	36.19360385	-107.57196762
2,600.00	10.79	244.268	2,575.96	-115.44	-239.53	1,889,864.87	2,800,194.17	36.19358165	-107.57202483
2,700.00	10.79	244.268	2,674.20	-123.57	-256.38	1,889,856.74	2,800,177.31	36.19355946	-107.57208204
2,800.00	10.79	244.268	2,772.43	-131.69	-273.24	1,889,848.62	2,800,160.45	36.19353726	-107.57213925
2,900.00	10.79	244.268	2,870.66	-139.82	-290.10	1,889,840.49	2,800,143.60	36.19351506	-107.57219646
3,000.00	10.79	244.268	2,968.90	-147.94	-306.96	1,889,832.37	2,800,126.74	36.19349287	-107.57225367
3,100.00	10.79	244.268	3,067.13	-156.07	-323.82	1,889,824.24	2,800,109.88	36.19347067	-107.57231088
3,174.48	10.79	244.268	3,140.30	-162.12	-336.38	1,889,818.19	2,800,097.32	36.19345414	-107.57235349
Cliff House_Basal									
3,200.00	10.79	244.268	3,165.36	-164.19	-340.68	1,889,816.12	2,800,093.02	36.19344848	-107.57236809

Planning Report - Geographic

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Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,215.21	10.79	244.268	3,180.30	-165.43	-343.24	1,889,814.88	2,800,090.45	36.19344510	-107.57237679
Menefee									
3,300.00	10.79	244.268	3,263.60	-172.32	-357.54	1,889,807.99	2,800,076.16	36.19342628	-107.57242530
3,380.40	10.79	244.268	3,342.57	-178.85	-371.09	1,889,801.46	2,800,062.61	36.19340843	-107.57247129
Begin 3°/100' drop									
3,400.00	10.20	244.268	3,361.85	-180.40	-374.31	1,889,799.91	2,800,059.39	36.19340420	-107.57248221
3,500.00	7.20	244.268	3,460.69	-186.96	-387.93	1,889,793.34	2,800,045.77	36.19338627	-107.57252843
3,600.00	4.20	244.268	3,560.18	-191.27	-396.87	1,889,789.03	2,800,036.82	36.19337449	-107.57255878
3,700.00	1.20	244.268	3,660.06	-193.32	-401.11	1,889,786.99	2,800,032.58	36.19336891	-107.57257317
3,739.95	0.00	0.000	3,700.00	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
Begin vertical hold									
3,800.00	0.00	0.000	3,760.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
3,900.00	0.00	0.000	3,860.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,000.00	0.00	0.000	3,960.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,050.30	0.00	0.000	4,010.35	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
Point Lookout									
4,100.00	0.00	0.000	4,060.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,200.00	0.00	0.000	4,160.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,265.30	0.00	0.000	4,225.35	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
Mancos									
4,300.00	0.00	0.000	4,260.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,400.00	0.00	0.000	4,360.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,500.00	0.00	0.000	4,460.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,580.30	0.00	0.000	4,540.35	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
MNCS_A									
4,600.00	0.00	0.000	4,560.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,675.30	0.00	0.000	4,635.35	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
MNCS_B									
4,700.00	0.00	0.000	4,660.05	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
4,751.55	0.00	0.000	4,711.60	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
Begin 10°/100' build									
4,775.30	2.38	149.138	4,735.35	-193.92	-401.24	1,889,786.39	2,800,032.46	36.19336725	-107.57257360
MNCS_C									
4,800.00	4.85	149.138	4,760.00	-195.26	-400.44	1,889,785.05	2,800,033.26	36.19336358	-107.57257090
4,810.38	5.88	149.138	4,770.33	-196.09	-399.94	1,889,784.22	2,800,033.76	36.19336129	-107.57256923
MNCS_Cms									
4,850.00	9.85	149.138	4,809.57	-200.74	-397.16	1,889,779.56	2,800,036.54	36.19334848	-107.57255984
4,900.00	14.85	149.138	4,858.40	-209.92	-391.68	1,889,770.39	2,800,042.02	36.19332324	-107.57254135
4,943.59	19.20	149.138	4,900.07	-220.87	-385.13	1,889,759.44	2,800,048.56	36.19329310	-107.57251926
MNCS_D									
4,950.00	19.85	149.138	4,906.11	-222.71	-384.04	1,889,757.60	2,800,049.66	36.19328805	-107.57251556
5,000.00	24.85	149.138	4,952.34	-239.02	-374.29	1,889,741.29	2,800,059.41	36.19324316	-107.57248267
5,050.00	29.85	149.138	4,996.74	-258.73	-362.51	1,889,721.58	2,800,071.19	36.19318893	-107.57244293
5,082.59	33.10	149.138	5,024.53	-273.33	-353.78	1,889,706.97	2,800,079.92	36.19314875	-107.57241349
MNCS_E									
5,100.00	34.85	149.138	5,038.97	-281.69	-348.79	1,889,698.62	2,800,084.91	36.19312577	-107.57239665
5,144.16	39.26	149.138	5,074.20	-304.52	-335.14	1,889,675.78	2,800,098.55	36.19306293	-107.57235061
MNCS_F									
5,150.00	39.85	149.138	5,078.71	-307.72	-333.24	1,889,672.59	2,800,100.46	36.19305415	-107.57234417
5,200.00	44.85	149.138	5,115.65	-336.62	-315.97	1,889,643.69	2,800,117.73	36.19297463	-107.57228590
5,248.51	49.70	149.138	5,148.55	-367.20	-297.69	1,889,613.11	2,800,136.01	36.19289049	-107.57222425
MNCS_G									
5,250.00	49.85	149.138	5,149.52	-368.17	-297.11	1,889,612.14	2,800,136.59	36.19288780	-107.57222228

Planning Report - Geographic

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Well:	North Alamito Unit 312H	**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	54.85	149.138	5,180.05	-402.14	-276.81	1,889,578.17	2,800,156.89	36.19279434	-107.57215380
5,350.00	59.85	149.138	5,207.02	-438.27	-255.22	1,889,542.04	2,800,178.48	36.19269494	-107.57208096
5,361.56	61.00	149.138	5,212.73	-446.90	-250.06	1,889,533.41	2,800,183.63	36.19267120	-107.57206357
MNCS_H									
5,400.00	64.85	149.138	5,230.22	-476.27	-232.51	1,889,504.04	2,800,201.19	36.19259037	-107.57200434
5,451.55	70.00	149.138	5,250.00	-517.11	-208.10	1,889,463.19	2,800,225.59	36.19247799	-107.57192200
5,500.00	74.85	149.138	5,264.63	-556.75	-184.41	1,889,423.55	2,800,249.28	36.19236892	-107.57184208
5,507.41	75.59	149.138	5,266.52	-562.91	-180.74	1,889,417.40	2,800,252.96	36.19235200	-107.57182968
MNCS_I									
5,550.00	79.85	149.138	5,275.58	-598.62	-159.40	1,889,381.69	2,800,274.30	36.19225373	-107.57175768
5,600.00	84.85	149.138	5,282.24	-641.14	-133.98	1,889,339.17	2,800,299.71	36.19213673	-107.57167195
5,601.55	85.00	149.138	5,282.38	-642.47	-133.19	1,889,337.84	2,800,300.50	36.19213308	-107.57166928
7" Intermediate Casing									
5,650.00	89.85	149.138	5,284.56	-684.00	-108.37	1,889,296.31	2,800,325.33	36.19201880	-107.57158554
5,656.65	90.51	149.138	5,284.54	-689.71	-104.96	1,889,290.60	2,800,328.74	36.19200308	-107.57157403
Begin 90.51° lateral									
5,700.00	90.51	149.138	5,284.15	-726.92	-82.72	1,889,253.39	2,800,350.97	36.19190070	-107.57149901
5,800.00	90.51	149.138	5,283.26	-812.76	-31.43	1,889,167.55	2,800,402.27	36.19166452	-107.57132596
5,900.00	90.51	149.138	5,282.37	-898.60	19.86	1,889,081.71	2,800,453.56	36.19142834	-107.57115291
6,000.00	90.51	149.138	5,281.47	-984.44	71.16	1,888,995.87	2,800,504.86	36.19119216	-107.57097986
6,100.00	90.51	149.138	5,280.58	-1,070.27	122.45	1,888,910.04	2,800,556.15	36.19095597	-107.57080681
6,200.00	90.51	149.138	5,279.69	-1,156.11	173.75	1,888,824.20	2,800,607.45	36.19071979	-107.57063376
6,300.00	90.51	149.138	5,278.80	-1,241.95	225.04	1,888,738.36	2,800,658.74	36.19048361	-107.57046072
6,400.00	90.51	149.138	5,277.91	-1,327.79	276.34	1,888,652.53	2,800,710.03	36.19024742	-107.57028767
6,500.00	90.51	149.138	5,277.02	-1,413.62	327.63	1,888,566.69	2,800,761.33	36.19001124	-107.57011463
6,600.00	90.51	149.138	5,276.13	-1,499.46	378.93	1,888,480.85	2,800,812.62	36.18977506	-107.56994158
6,700.00	90.51	149.138	5,275.24	-1,585.30	430.22	1,888,395.01	2,800,863.92	36.18953887	-107.56976854
6,800.00	90.51	149.138	5,274.34	-1,671.13	481.52	1,888,309.18	2,800,915.21	36.18930269	-107.56959550
6,900.00	90.51	149.138	5,273.45	-1,756.97	532.81	1,888,223.34	2,800,966.51	36.18906650	-107.56942246
7,000.00	90.51	149.138	5,272.56	-1,842.81	584.11	1,888,137.50	2,801,017.80	36.18883032	-107.56924942
7,100.00	90.51	149.138	5,271.67	-1,928.65	635.40	1,888,051.66	2,801,069.10	36.18859413	-107.56907638
7,200.00	90.51	149.138	5,270.78	-2,014.48	686.70	1,887,965.83	2,801,120.39	36.18835795	-107.56890335
7,300.00	90.51	149.138	5,269.89	-2,100.32	737.99	1,887,879.99	2,801,171.68	36.18812176	-107.56873031
7,400.00	90.51	149.138	5,269.00	-2,186.16	789.28	1,887,794.15	2,801,222.98	36.18788557	-107.56855727
7,500.00	90.51	149.138	5,268.10	-2,272.00	840.58	1,887,708.32	2,801,274.27	36.18764939	-107.56838424
7,600.00	90.51	149.138	5,267.21	-2,357.83	891.87	1,887,622.48	2,801,325.57	36.18741320	-107.56821121
7,700.00	90.51	149.138	5,266.32	-2,443.67	943.17	1,887,536.64	2,801,376.86	36.18717701	-107.56803817
7,800.00	90.51	149.138	5,265.43	-2,529.51	994.46	1,887,450.80	2,801,428.16	36.18694083	-107.56786514
7,900.00	90.51	149.138	5,264.54	-2,615.35	1,045.76	1,887,364.97	2,801,479.45	36.18670464	-107.56769211
8,000.00	90.51	149.138	5,263.65	-2,701.18	1,097.05	1,887,279.13	2,801,530.75	36.18646845	-107.56751909
8,100.00	90.51	149.138	5,262.76	-2,787.02	1,148.35	1,887,193.29	2,801,582.04	36.18623226	-107.56734606
8,200.00	90.51	149.138	5,261.87	-2,872.86	1,199.64	1,887,107.45	2,801,633.34	36.18599608	-107.56717303
8,300.00	90.51	149.138	5,260.97	-2,958.70	1,250.94	1,887,021.62	2,801,684.63	36.18575989	-107.56700000
8,400.00	90.51	149.138	5,260.08	-3,044.53	1,302.23	1,886,935.78	2,801,735.92	36.18552370	-107.56682698
8,500.00	90.51	149.138	5,259.19	-3,130.37	1,353.53	1,886,849.94	2,801,787.22	36.18528751	-107.56665396
8,600.00	90.51	149.138	5,258.30	-3,216.21	1,404.82	1,886,764.11	2,801,838.51	36.18505132	-107.56648093
8,700.00	90.51	149.138	5,257.41	-3,302.05	1,456.11	1,886,678.27	2,801,889.81	36.18481513	-107.56630791
8,800.00	90.51	149.138	5,256.52	-3,387.88	1,507.41	1,886,592.43	2,801,941.10	36.18457894	-107.56613489
8,900.00	90.51	149.138	5,255.63	-3,473.72	1,558.70	1,886,506.59	2,801,992.40	36.18434275	-107.56596187
9,000.00	90.51	149.138	5,254.74	-3,559.56	1,610.00	1,886,420.76	2,802,043.69	36.18410656	-107.56578885
9,100.00	90.51	149.138	5,253.84	-3,645.40	1,661.29	1,886,334.92	2,802,094.99	36.18387037	-107.56561584
9,200.00	90.51	149.138	5,252.95	-3,731.23	1,712.59	1,886,249.08	2,802,146.28	36.18363418	-107.56544282
9,300.00	90.51	149.138	5,252.06	-3,817.07	1,763.88	1,886,163.24	2,802,197.58	36.18339799	-107.56526980
9,400.00	90.51	149.138	5,251.17	-3,902.91	1,815.18	1,886,077.41	2,802,248.87	36.18316180	-107.56509679

Planning Report - Geographic

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,500.00	90.51	149.138	5,250.28	-3,988.75	1,866.47	1,885,991.57	2,802,300.16	36.18292561	-107.56492378
9,600.00	90.51	149.138	5,249.39	-4,074.58	1,917.77	1,885,905.73	2,802,351.46	36.18268941	-107.56475076
9,700.00	90.51	149.138	5,248.50	-4,160.42	1,969.06	1,885,819.90	2,802,402.75	36.18245322	-107.56457775
9,800.00	90.51	149.138	5,247.60	-4,246.26	2,020.36	1,885,734.06	2,802,454.05	36.18221703	-107.56440474
9,900.00	90.51	149.138	5,246.71	-4,332.10	2,071.65	1,885,648.22	2,802,505.34	36.18198084	-107.56423173
10,000.00	90.51	149.138	5,245.82	-4,417.93	2,122.94	1,885,562.38	2,802,556.64	36.18174464	-107.56405873
10,100.00	90.51	149.138	5,244.93	-4,503.77	2,174.24	1,885,476.55	2,802,607.93	36.18150845	-107.56388572
10,200.00	90.51	149.138	5,244.04	-4,589.61	2,225.53	1,885,390.71	2,802,659.23	36.18127226	-107.56371271
10,300.00	90.51	149.138	5,243.15	-4,675.45	2,276.83	1,885,304.87	2,802,710.52	36.18103607	-107.56353971
10,400.00	90.51	149.138	5,242.26	-4,761.28	2,328.12	1,885,219.03	2,802,761.82	36.18079987	-107.56336670
10,500.00	90.51	149.138	5,241.37	-4,847.12	2,379.42	1,885,133.20	2,802,813.11	36.18056368	-107.56319370
10,600.00	90.51	149.138	5,240.47	-4,932.96	2,430.71	1,885,047.36	2,802,864.40	36.18032748	-107.56302070
10,700.00	90.51	149.138	5,239.58	-5,018.80	2,482.01	1,884,961.52	2,802,915.70	36.18009129	-107.56284770
10,800.00	90.51	149.138	5,238.69	-5,104.63	2,533.30	1,884,875.69	2,802,966.99	36.17985509	-107.56267470
10,900.00	90.51	149.138	5,237.80	-5,190.47	2,584.60	1,884,789.85	2,803,018.29	36.17961890	-107.56250170
11,000.00	90.51	149.138	5,236.91	-5,276.31	2,635.89	1,884,704.01	2,803,069.58	36.17938270	-107.56232870
11,100.00	90.51	149.138	5,236.02	-5,362.15	2,687.19	1,884,618.17	2,803,120.88	36.17914651	-107.56215570
11,200.00	90.51	149.138	5,235.13	-5,447.98	2,738.48	1,884,532.34	2,803,172.17	36.17891031	-107.56198271
11,300.00	90.51	149.138	5,234.23	-5,533.82	2,789.77	1,884,446.50	2,803,223.47	36.17867412	-107.56180971
11,400.00	90.51	149.138	5,233.34	-5,619.66	2,841.07	1,884,360.66	2,803,274.76	36.17843792	-107.56163672
11,500.00	90.51	149.138	5,232.45	-5,705.49	2,892.36	1,884,274.82	2,803,326.05	36.17820172	-107.56146373
11,600.00	90.51	149.138	5,231.56	-5,791.33	2,943.66	1,884,188.99	2,803,377.35	36.17796553	-107.56129074
11,700.00	90.51	149.138	5,230.67	-5,877.17	2,994.95	1,884,103.15	2,803,428.64	36.17772933	-107.56111774
11,800.00	90.51	149.138	5,229.78	-5,963.01	3,046.25	1,884,017.31	2,803,479.94	36.17749313	-107.56094476
11,900.00	90.51	149.138	5,228.89	-6,048.84	3,097.54	1,883,931.48	2,803,531.23	36.17725693	-107.56077177
12,000.00	90.51	149.138	5,228.00	-6,134.68	3,148.84	1,883,845.64	2,803,582.53	36.17702074	-107.56059878
12,100.00	90.51	149.138	5,227.10	-6,220.52	3,200.13	1,883,759.80	2,803,633.82	36.17678454	-107.56042579
12,200.00	90.51	149.138	5,226.21	-6,306.36	3,251.43	1,883,673.96	2,803,685.12	36.17654834	-107.56025281
12,300.00	90.51	149.138	5,225.32	-6,392.19	3,302.72	1,883,588.13	2,803,736.41	36.17631214	-107.56007982
12,400.00	90.51	149.138	5,224.43	-6,478.03	3,354.02	1,883,502.29	2,803,787.71	36.17607594	-107.55990684
12,500.00	90.51	149.138	5,223.54	-6,563.87	3,405.31	1,883,416.45	2,803,839.00	36.17583974	-107.55973386
12,600.00	90.51	149.138	5,222.65	-6,649.71	3,456.60	1,883,330.61	2,803,890.29	36.17560354	-107.55956088
12,700.00	90.51	149.138	5,221.76	-6,735.54	3,507.90	1,883,244.78	2,803,941.59	36.17536734	-107.55938790
12,800.00	90.51	149.138	5,220.86	-6,821.38	3,559.19	1,883,158.94	2,803,992.88	36.17513114	-107.55921492
12,900.00	90.51	149.138	5,219.97	-6,907.22	3,610.49	1,883,073.10	2,804,044.18	36.17489494	-107.55904194
13,000.00	90.51	149.138	5,219.08	-6,993.06	3,661.78	1,882,987.27	2,804,095.47	36.17465874	-107.55886896
13,100.00	90.51	149.138	5,218.19	-7,078.89	3,713.08	1,882,901.43	2,804,146.77	36.17442254	-107.55869599
13,200.00	90.51	149.138	5,217.30	-7,164.73	3,764.37	1,882,815.59	2,804,198.06	36.17418634	-107.55852301
13,300.00	90.51	149.138	5,216.41	-7,250.57	3,815.67	1,882,729.75	2,804,249.36	36.17395014	-107.55835004
13,400.00	90.51	149.138	5,215.52	-7,336.41	3,866.96	1,882,643.92	2,804,300.65	36.17371394	-107.55817706
13,500.00	90.51	149.138	5,214.63	-7,422.24	3,918.26	1,882,558.08	2,804,351.95	36.17347774	-107.55800409
13,600.00	90.51	149.138	5,213.73	-7,508.08	3,969.55	1,882,472.24	2,804,403.24	36.17324154	-107.55783112
13,700.00	90.51	149.138	5,212.84	-7,593.92	4,020.85	1,882,386.40	2,804,454.53	36.17300533	-107.55765815
13,800.00	90.51	149.138	5,211.95	-7,679.76	4,072.14	1,882,300.57	2,804,505.83	36.17276913	-107.55748518
13,900.00	90.51	149.138	5,211.06	-7,765.59	4,123.43	1,882,214.73	2,804,557.12	36.17253293	-107.55731221
14,000.00	90.51	149.138	5,210.17	-7,851.43	4,174.73	1,882,128.89	2,804,608.42	36.17229672	-107.55713925
14,100.00	90.51	149.138	5,209.28	-7,937.27	4,226.02	1,882,043.06	2,804,659.71	36.17206052	-107.55696628
14,200.00	90.51	149.138	5,208.39	-8,023.11	4,277.32	1,881,957.22	2,804,711.01	36.17182432	-107.55679332
14,300.00	90.51	149.138	5,207.49	-8,108.94	4,328.61	1,881,871.38	2,804,762.30	36.17158811	-107.55662035
14,400.00	90.51	149.138	5,206.60	-8,194.78	4,379.91	1,881,785.54	2,804,813.60	36.17135191	-107.55644739
14,500.00	90.51	149.138	5,205.71	-8,280.62	4,431.20	1,881,699.71	2,804,864.89	36.17111571	-107.55627443
14,600.00	90.51	149.138	5,204.82	-8,366.46	4,482.50	1,881,613.87	2,804,916.19	36.17087950	-107.55610147
14,700.00	90.51	149.138	5,203.93	-8,452.29	4,533.79	1,881,528.03	2,804,967.48	36.17064330	-107.55592851
14,800.00	90.51	149.138	5,203.04	-8,538.13	4,585.09	1,881,442.19	2,805,018.77	36.17040709	-107.55575555
14,900.00	90.51	149.138	5,202.15	-8,623.97	4,636.38	1,881,356.36	2,805,070.07	36.17017089	-107.55558259

Planning Report - Geographic

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
15,000.00	90.51	149.138	5,201.26	-8,709.81	4,687.68	1,881,270.52	2,805,121.36	36.16993468	-107.55540964
15,100.00	90.51	149.138	5,200.36	-8,795.64	4,738.97	1,881,184.68	2,805,172.66	36.16969848	-107.55523668
15,200.00	90.51	149.138	5,199.47	-8,881.48	4,790.27	1,881,098.85	2,805,223.95	36.16946227	-107.55506373
15,253.03	90.51	149.138	5,199.00	-8,927.00	4,817.47	1,881,053.32	2,805,251.16	36.16933700	-107.55497200
PBHL/TD @ 15253.03 MD 5199.00 TVD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
North Alamito 312H vert - plan hits target center - Point	0.00	0.000	4,711.60	-193.50	-401.49	1,889,786.81	2,800,032.21	36.19336841	-107.57257445
North Alamito 312H LTP - plan hits target center - Point	0.00	0.000	5,199.00	-8,927.00	4,817.47	1,881,053.32	2,805,251.16	36.16933700	-107.55497200
North Alamito 312H vs=(- plan misses target center by 212.91ft at 5224.44ft MD (5132.60 TVD, -351.72 N, -306.94 E) - Point	0.00	0.000	5,289.00	-227.71	-381.04	1,889,752.60	2,800,052.66	36.19327429	-107.57250545
North Alamito 312H FTP - plan misses target center by 36.80ft at 5463.32ft MD (5253.92 TVD, -526.65 N, -202.40 E) - Point	0.00	0.000	5,289.00	-517.11	-208.10	1,889,463.20	2,800,225.59	36.19247800	-107.57192200

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	9-5/8" Surface Casing	9-5/8	12-1/4
5,601.55	5,282.38	7" Intermediate Casing	7	8-3/4

Planning Report - Geographic

Database:	DT_Jul1724_v17	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Company:	Enduring Resources LLC	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Project:	Sandoval County, New Mexico NAD83 NmW	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site:	North Alamito Unit (4, 301,311 & 312)	**North Reference:**	Grid
Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	rev0		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,090.04	1,090.00	Ojo Alamo		-0.510	149.138
1,190.32	1,190.01	Kirtland		-0.510	149.138
1,352.02	1,350.03	Fruitland		-0.510	149.138
1,647.27	1,640.07	Pictured Cliffs		-0.510	149.138
1,810.18	1,800.09	Lewis		-0.510	149.138
2,064.71	2,050.13	Chacra_A		-0.510	149.138
3,174.48	3,140.30	Cliff House_Basal		-0.510	149.138
3,215.21	3,180.30	Menefee		-0.510	149.138
4,050.30	4,010.35	Point Lookout		-0.510	149.138
4,265.30	4,225.35	Mancos		-0.510	149.138
4,580.30	4,540.35	MNCS_A		-0.510	149.138
4,675.30	4,635.35	MNCS_B		-0.510	149.138
4,775.30	4,735.35	MNCS_C		-0.510	149.138
4,810.38	4,770.33	MNCS_Cms		-0.510	149.138
4,943.59	4,900.07	MNCS_D		-0.510	149.138
5,082.59	5,024.53	MNCS_E		-0.510	149.138
5,144.16	5,074.20	MNCS_F		-0.510	149.138
5,248.51	5,148.55	MNCS_G		-0.510	149.138
5,361.56	5,212.73	MNCS_H		-0.510	149.138
5,507.41	5,266.52	MNCS_I		-0.510	149.138

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	KOP Begin 3°/100' build
1,359.55	1,357.43	-14.65	-30.40	Begin 10.79° tangent
3,380.40	3,342.57	-178.85	-371.09	Begin 3°/100' drop
3,739.95	3,700.00	-193.50	-401.49	Begin vertical hold
4,751.55	4,711.60	-193.50	-401.49	Begin 10°/100' build
5,451.55	5,250.00	-517.11	-208.10	
5,656.65	5,284.54	-689.71	-104.96	Begin 90.51° lateral
15,253.03	5,199.00	-8,927.00	4,817.47	PBHL/TD @ 15253.03 MD 5199.00 TVD

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Reference rev1

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 1,808.90ft	**Error Surface:**	Ellipsoid Separation
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 12/10/2025

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,088.86	rev1 (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 (560, 562 & 563)						
North Alamito Unit 562H - Original Hole - rev0	10,300.00	17,745.07	1,135.10	809.81	3.489	SF
North Alamito Unit 562H - Original Hole - rev0	10,500.00	17,745.07	1,095.68	795.21	3.647	ES
North Alamito Unit 562H - Original Hole - rev0	10,619.83	17,745.07	1,089.11	809.84	3.900	CC
North Alamito Unit 563H - Original Hole - rev0	14,900.00	16,052.21	1,802.67	1,506.71	6.091	SF
North Alamito Unit 563H - Original Hole - rev0	15,600.00	16,052.21	1,621.86	1,405.81	7.507	ES
North Alamito Unit 563H - Original Hole - rev0	15,692.26	16,052.21	1,619.23	1,408.03	7.667	CC
S Chaco Unit						
S Chaco Unit 339 H - Original Hole - Surveys Original Ho	12,035.90	10,586.00	974.46	744.20	4.232	CC
S Chaco Unit 339 H - Original Hole - Surveys Original Ho	12,100.00	10,586.00	979.05	736.73	4.040	ES
S Chaco Unit 339 H - Original Hole - Surveys Original Ho	12,200.00	10,586.00	1,004.15	745.90	3.888	SF
S Chaco Unit 340 H - Original Hole - Surveys Original Ho	12,711.61	10,662.00	740.03	603.02	5.401	CC
S Chaco Unit 340 H - Original Hole - Surveys Original Ho	12,900.00	10,662.00	763.63	583.00	4.228	ES
S Chaco Unit 340 H - Original Hole - Surveys Original Ho	13,200.00	10,662.00	886.66	635.24	3.527	SF
S Chaco Unit 344 Pad (344, 345 & 908)						
S Chaco Unit 344 H - Original Hole - Surveys Original Ho	12,565.75	12,152.00	825.68	629.55	4.210	CC
S Chaco Unit 344 H - Original Hole - Surveys Original Ho	12,800.00	12,152.00	858.27	586.51	3.158	ES
S Chaco Unit 344 H - Original Hole - Surveys Original Ho	13,000.00	12,152.00	932.91	619.30	2.975	SF
S Chaco Unit 345 H - Original Hole - Surveys Original Ho	15,660.96	10,375.00	663.34	469.84	3.428	CC
S Chaco Unit 345 H - Original Hole - Surveys Original Ho	15,900.00	10,375.00	705.09	428.83	2.552	ES
S Chaco Unit 345 H - Original Hole - Surveys Original Ho	16,000.00	10,375.00	744.96	446.18	2.493	SF
S Chaco Unit 908 H - Original Hole - Surveys Original Ho	14,056.78	12,493.00	652.04	460.01	3.396	CC
S Chaco Unit 908 H - Original Hole - Surveys Original Ho	14,300.00	12,493.00	695.93	401.97	2.367	ES
S Chaco Unit 908 H - Original Hole - Surveys Original Ho	14,400.00	12,493.00	736.86	415.95	2.296	SF
Sec 27 T23N R07W						
Federal B #006 - Orig Hole - Inc only	6,318.50	5,265.37	768.71	511.83	2.993	CC, ES, SF

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

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
Sec 28 T23N R07W North Alamito 4 301 311&312						
North Alamito Unit 004H - Original Hole - rev1	600.00	600.00	20.07	15.94	4.856	CC, ES
North Alamito Unit 004H - Original Hole - rev1	700.00	699.31	21.68	16.83	4.474	SF
North Alamito Unit 232H - Orig Hole - MWD surveys	100.00	89.30	119.87	119.44	279.828	CC
North Alamito Unit 232H - Orig Hole - MWD surveys	900.00	889.36	119.95	114.34	21.400	ES
North Alamito Unit 232H - Orig Hole - MWD surveys	1,300.00	1,282.62	135.31	126.80	15.910	SF
North Alamito Unit 233H - Orig Hole - MWD surveys	100.00	89.31	90.03	89.60	210.179	CC
North Alamito Unit 233H - Orig Hole - MWD surveys	200.00	189.09	90.37	89.41	94.235	ES
North Alamito Unit 233H - Orig Hole - MWD surveys	11,700.00	12,068.00	1,349.83	1,039.45	4.349	SF
North Alamito Unit 301H - Original Hole - rev1	800.00	800.00	40.14	34.57	7.211	CC, ES
North Alamito Unit 301H - Original Hole - rev1	1,000.00	997.98	44.50	37.51	6.370	SF
North Alamito Unit 311H - Original Hole - rev1	1,000.00	1,000.00	19.78	12.77	2.825	CC, ES
North Alamito Unit 311H - Original Hole - rev1	1,100.00	1,099.69	20.48	12.78	2.660	SF
Sec 34 T23N R07W						
Federal B #003 - Orig Hole - Inc only surveys	11,096.71	5,268.83	739.36	388.51	2.107	CC
Federal B #003 - Orig Hole - Inc only surveys	11,100.00	5,268.82	739.36	388.42	2.107	ES, SF
Federal B #005 - Orig Hole - Inc only	7,289.80	5,224.59	573.54	159.14	1.384	Level 3<2.00, CC
Federal B #005 - Orig Hole - Inc only	7,300.00	5,224.56	573.63	158.96	1.383	Level 3<2.00, ES, SF
Federal B L #002 - Orig Hole - Inc only surveys	9,900.00	5,242.45	431.27	157.35	1.574	Level 3<2.00, CC
Federal B L #002 - Orig Hole - Inc only surveys	9,904.45	5,242.44	431.28	157.31	1.574	Level 3<2.00, ES, SF

Offset Design: North Alamito Unit (560, 562 & 563) - North Alamito Unit 562H - 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
9,200.00	5,277.67	17,745.07	5,199.00	94.79	252.38	89.752	-4,774.05	2,887.13	1,789.43	1,483.36	306.08	5.846	
9,300.00	5,277.40	17,745.07	5,199.00	97.07	252.38	89.752	-4,774.05	2,887.13	1,711.17	1,400.26	310.91	5.504	
9,400.00	5,277.12	17,745.07	5,199.00	99.35	252.38	89.752	-4,774.05	2,887.13	1,635.28	1,319.45	315.83	5.178	
9,500.00	5,276.84	17,745.07	5,199.00	101.64	252.38	89.752	-4,774.05	2,887.13	1,562.11	1,241.37	320.73	4.870	
9,600.00	5,276.56	17,745.07	5,199.00	103.93	252.38	89.752	-4,774.05	2,887.13	1,492.05	1,166.59	325.46	4.584	
9,700.00	5,276.28	17,745.07	5,199.00	106.21	252.38	89.752	-4,774.05	2,887.13	1,425.57	1,095.75	329.81	4.322	
9,800.00	5,276.00	17,745.07	5,199.00	108.50	252.38	89.752	-4,774.05	2,887.13	1,363.19	1,029.70	333.49	4.088	
9,900.00	5,275.72	17,745.07	5,199.00	110.80	252.38	89.752	-4,774.05	2,887.13	1,305.49	969.40	336.09	3.884	
10,000.00	5,275.44	17,745.07	5,199.00	113.09	252.38	89.752	-4,774.05	2,887.13	1,253.14	915.98	337.15	3.717	
10,100.00	5,275.16	17,745.07	5,199.00	115.38	252.38	89.752	-4,774.05	2,887.13	1,206.81	870.72	336.09	3.591	
10,200.00	5,274.88	17,745.07	5,199.00	117.68	252.38	89.752	-4,774.05	2,887.13	1,167.23	834.91	332.31	3.512	
10,300.00	5,274.60	17,745.07	5,199.00	119.98	252.38	89.752	-4,774.05	2,887.13	1,135.10	809.81	325.29	3.489	SF
10,400.00	5,274.32	17,745.07	5,199.00	122.28	252.38	89.752	-4,774.05	2,887.13	1,111.07	796.39	314.68	3.531	
10,500.00	5,274.04	17,745.07	5,199.00	124.58	252.38	89.752	-4,774.05	2,887.13	1,095.68	795.21	300.47	3.647	ES
10,600.00	5,273.77	17,745.07	5,199.00	126.88	252.38	89.752	-4,774.05	2,887.13	1,089.29	806.24	283.05	3.848	
10,619.83	5,273.71	17,745.07	5,199.00	127.33	252.38	89.752	-4,774.05	2,887.13	1,089.11	809.84	279.27	3.900	CC
10,700.00	5,273.49	17,745.07	5,199.00	129.18	252.38	89.752	-4,774.05	2,887.13	1,092.06	828.87	263.19	4.149	
10,800.00	5,273.21	17,745.07	5,199.00	131.48	252.38	89.752	-4,774.05	2,887.13	1,103.91	861.96	241.95	4.563	
10,900.00	5,272.93	17,745.07	5,199.00	133.78	252.38	89.752	-4,774.05	2,887.13	1,124.57	903.99	220.58	5.098	
11,000.00	5,272.65	17,745.07	5,199.00	136.09	252.38	89.752	-4,774.05	2,887.13	1,153.56	953.15	200.41	5.756	
11,100.00	5,272.37	17,745.07	5,199.00	138.39	252.38	89.752	-4,774.05	2,887.13	1,190.26	1,007.62	182.64	6.517	
11,200.00	5,272.09	17,745.07	5,199.00	140.70	252.38	89.752	-4,774.05	2,887.13	1,234.00	1,065.89	168.11	7.340	
11,300.00	5,271.81	17,745.07	5,199.00	143.00	252.38	89.752	-4,774.05	2,887.13	1,284.05	1,126.92	157.14	8.171	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (560, 562 & 563) - North Alamito Unit 562H - 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
11,400.00	5,271.53	17,745.07	5,199.00	145.31	252.38	89.752	-4,774.05	2,887.13	1,339.71	1,190.10	149.61	8.955	
11,500.00	5,271.25	17,745.07	5,199.00	147.62	252.38	89.752	-4,774.05	2,887.13	1,400.31	1,255.12	145.19	9.645	
11,600.00	5,270.97	17,745.07	5,199.00	149.93	252.38	89.752	-4,774.05	2,887.13	1,465.23	1,321.84	143.39	10.218	
11,700.00	5,270.69	17,745.07	5,199.00	152.24	252.38	89.752	-4,774.05	2,887.13	1,533.93	1,390.22	143.71	10.674	
11,800.00	5,270.41	17,745.07	5,199.00	154.54	252.38	89.755	-4,774.05	2,887.13	1,605.91	1,460.28	145.62	11.028	
11,900.00	5,270.13	17,745.07	5,199.00	156.80	252.38	89.801	-4,774.05	2,887.13	1,676.19	1,527.37	148.82	11.264	
12,000.00	5,269.86	17,745.07	5,199.00	158.91	252.38	89.839	-4,774.05	2,887.13	1,740.71	1,587.54	153.17	11.364	
12,100.00	5,269.58	17,702.56	5,198.15	160.85	252.32	89.845	-4,816.25	2,882.08	1,798.67	1,642.59	156.08	11.524	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: North Alamito Unit (560, 562 & 563) - North Alamito Unit 563H - 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
14,900.00	5,221.68	16,052.21	5,124.00	191.47	250.46	89.555	-8,575.15	3,061.32	1,802.67	1,506.71	295.95	6.091	SF
15,000.00	5,219.77	16,052.21	5,124.00	192.61	250.46	89.555	-8,575.15	3,061.32	1,761.01	1,477.50	283.51	6.211	
15,100.00	5,217.86	16,052.21	5,124.00	193.77	250.46	89.555	-8,575.15	3,061.32	1,724.15	1,453.63	270.52	6.373	
15,200.00	5,215.96	16,052.21	5,124.00	194.93	250.46	89.555	-8,575.15	3,061.32	1,692.41	1,434.97	257.44	6.574	
15,300.00	5,214.05	16,052.21	5,124.00	196.11	250.46	89.555	-8,575.15	3,061.32	1,666.07	1,421.23	244.84	6.805	
15,400.00	5,212.14	16,052.21	5,124.00	197.28	250.46	89.555	-8,575.15	3,061.32	1,645.40	1,412.03	233.37	7.051	
15,500.00	5,210.23	16,052.21	5,124.00	198.47	250.46	89.555	-8,575.15	3,061.32	1,630.61	1,406.98	223.63	7.292	
15,600.00	5,208.33	16,052.21	5,124.00	199.66	250.46	89.555	-8,575.15	3,061.32	1,621.86	1,405.81	216.05	7.507	ES
15,692.26	5,206.57	16,052.21	5,124.00	200.77	250.46	89.555	-8,575.15	3,061.32	1,619.23	1,408.03	211.21	7.667	CC
15,700.00	5,206.42	16,052.21	5,124.00	200.86	250.46	89.555	-8,575.15	3,061.32	1,619.25	1,408.36	210.89	7.678	
15,800.00	5,204.51	16,052.21	5,124.00	202.07	250.46	89.555	-8,575.15	3,061.32	1,622.81	1,414.67	208.15	7.797	
15,900.00	5,202.60	16,052.21	5,124.00	203.28	250.46	89.555	-8,575.15	3,061.32	1,632.51	1,424.91	207.59	7.864	
16,000.00	5,200.70	16,052.21	5,124.00	204.50	250.46	89.555	-8,575.15	3,061.32	1,648.22	1,439.38	208.84	7.892	
16,088.99	5,199.00	16,052.21	5,124.00	205.60	250.46	89.555	-8,575.15	3,061.32	1,667.13	1,456.10	211.03	7.900	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: S Chaco Unit - S Chaco Unit 339 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 44-GYRO-NS, 356-MWD, 10586-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
10,800.00	5,273.21	10,586.00	5,371.04	131.48	131.59	-88.312	-4,487.53	5,482.58	1,761.02	1,665.92	95.10	18.518	
10,900.00	5,272.93	10,586.00	5,371.04	133.78	131.59	-88.312	-4,487.53	5,482.58	1,675.75	1,577.41	98.34	17.041	
11,000.00	5,272.65	10,586.00	5,371.04	136.09	131.59	-88.312	-4,487.53	5,482.58	1,592.19	1,489.90	102.29	15.565	
11,100.00	5,272.37	10,586.00	5,371.04	138.39	131.59	-88.312	-4,487.53	5,482.58	1,510.63	1,403.49	107.15	14.099	
11,200.00	5,272.09	10,586.00	5,371.04	140.70	131.59	-88.312	-4,487.53	5,482.58	1,431.42	1,318.32	113.10	12.656	
11,300.00	5,271.81	10,586.00	5,371.04	143.00	131.59	-88.312	-4,487.53	5,482.58	1,354.95	1,234.57	120.39	11.255	
11,400.00	5,271.53	10,586.00	5,371.04	145.31	131.59	-88.312	-4,487.53	5,482.58	1,281.74	1,152.49	129.24	9.917	
11,500.00	5,271.25	10,586.00	5,371.04	147.62	131.59	-88.312	-4,487.53	5,482.58	1,212.35	1,072.44	139.91	8.665	
11,600.00	5,270.97	10,586.00	5,371.04	149.93	131.59	-88.312	-4,487.53	5,482.58	1,147.49	994.94	152.55	7.522	
11,700.00	5,270.69	10,586.00	5,371.04	152.24	131.59	-88.312	-4,487.53	5,482.58	1,087.97	920.72	167.25	6.505	
11,800.00	5,270.41	10,586.00	5,371.04	154.54	131.59	-88.317	-4,487.53	5,482.58	1,034.72	850.81	183.91	5.626	
11,900.00	5,270.13	10,586.00	5,371.04	156.80	131.59	-88.385	-4,487.53	5,482.58	994.96	792.11	202.85	4.905	
12,000.00	5,269.86	10,586.00	5,371.04	158.91	131.59	-88.404	-4,487.53	5,482.58	975.91	752.79	223.12	4.374	
12,035.90	5,269.76	10,586.00	5,371.04	159.61	131.59	-88.400	-4,487.53	5,482.58	974.46	744.20	230.26	4.232 CC	
12,100.00	5,269.58	10,586.00	5,371.04	160.85	131.59	-88.378	-4,487.53	5,482.58	979.05	736.73	242.32	4.040 ES	
12,200.00	5,269.30	10,586.00	5,371.04	162.58	131.59	-88.305	-4,487.53	5,482.58	1,004.15	745.90	258.24	3.888 SF	
12,300.00	5,269.02	10,586.00	5,371.04	164.08	131.59	-88.177	-4,487.53	5,482.58	1,049.26	779.43	269.83	3.889	
12,400.00	5,268.74	10,586.00	5,371.04	165.33	131.59	-87.916	-4,487.53	5,482.58	1,111.34	834.03	277.31	4.008	
12,500.00	5,267.45	10,586.00	5,371.04	166.35	131.59	-86.569	-4,487.53	5,482.58	1,186.67	905.00	281.67	4.213	
12,600.00	5,265.54	10,586.00	5,371.04	167.30	131.59	-86.569	-4,487.53	5,482.58	1,267.76	983.47	284.29	4.459	
12,700.00	5,263.64	10,586.00	5,371.04	168.25	131.59	-86.569	-4,487.53	5,482.58	1,351.39	1,065.52	285.87	4.727	
12,800.00	5,261.73	10,586.00	5,371.04	169.21	131.59	-86.569	-4,487.53	5,482.58	1,437.11	1,150.40	286.71	5.012	
12,900.00	5,259.82	10,586.00	5,371.04	170.19	131.59	-86.569	-4,487.53	5,482.58	1,524.57	1,237.52	287.05	5.311	
13,000.00	5,257.91	10,586.00	5,371.04	171.17	131.59	-86.569	-4,487.53	5,482.58	1,613.49	1,326.45	287.04	5.621	
13,100.00	5,256.01	10,586.00	5,371.04	172.16	131.59	-86.569	-4,487.53	5,482.58	1,703.64	1,416.85	286.79	5.940	
13,200.00	5,254.10	10,586.00	5,371.04	173.16	131.59	-86.569	-4,487.53	5,482.58	1,794.83	1,508.45	286.38	6.267	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: S Chaco Unit - S Chaco Unit 340 H - Original Hole - Surveys Original Hole — **Offset Site Error:** 0.00 ft

Survey Program: 14-GYRO-NS, 359-MWD, 10662-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
11,300.00	5,271.81	10,662.00	5,343.92	143.00	132.43	-45.686	-5,644.20	5,480.66	1,807.44	1,713.61	93.84	19.262	
11,400.00	5,271.53	10,662.00	5,343.92	145.31	132.43	-45.686	-5,644.20	5,480.66	1,707.53	1,613.67	93.86	18.193	
11,500.00	5,271.25	10,662.00	5,343.92	147.62	132.43	-45.686	-5,644.20	5,480.66	1,607.63	1,513.75	93.88	17.125	
11,600.00	5,270.97	10,662.00	5,343.92	149.93	132.43	-45.686	-5,644.20	5,480.66	1,507.74	1,413.84	93.90	16.057	
11,700.00	5,270.69	10,662.00	5,343.92	152.24	132.43	-45.686	-5,644.20	5,480.66	1,407.87	1,313.94	93.93	14.989	
11,800.00	5,270.41	10,662.00	5,343.92	154.54	132.43	-49.833	-5,644.20	5,480.66	1,308.01	1,214.05	93.96	13.921	
11,900.00	5,270.13	10,662.00	5,343.92	156.80	132.43	-76.458	-5,644.20	5,480.66	1,208.78	1,114.83	93.95	12.866	
12,000.00	5,269.86	10,662.00	5,343.92	158.91	132.43	-81.644	-5,644.20	5,480.66	1,112.03	1,018.02	94.00	11.830	
12,100.00	5,269.58	10,662.00	5,343.92	160.85	132.43	-83.735	-5,644.20	5,480.66	1,020.09	925.59	94.49	10.795	
12,200.00	5,269.30	10,662.00	5,343.92	162.58	132.43	-84.814	-5,644.20	5,480.66	935.95	839.97	95.98	9.752	
12,300.00	5,269.02	10,662.00	5,343.92	164.08	132.43	-85.429	-5,644.20	5,480.66	863.32	764.36	98.96	8.724	
12,400.00	5,268.74	10,662.00	5,343.92	165.33	132.43	-85.812	-5,644.20	5,480.66	806.54	702.81	103.73	7.775	
12,500.00	5,267.45	10,662.00	5,343.92	166.35	132.43	-86.281	-5,644.20	5,480.66	769.69	659.16	110.53	6.964	
12,600.00	5,265.54	10,662.00	5,343.92	167.30	132.43	-86.281	-5,644.20	5,480.66	748.40	628.07	120.32	6.220	
12,700.00	5,263.64	10,662.00	5,343.92	168.25	132.43	-86.281	-5,644.20	5,480.66	740.12	605.18	134.94	5.485	
12,711.61	5,263.41	10,662.00	5,343.92	168.36	132.43	-86.281	-5,644.20	5,480.66	740.03	603.02	137.01	5.401 CC	
12,800.00	5,261.73	10,662.00	5,343.92	169.21	132.43	-86.281	-5,644.20	5,480.66	745.29	589.89	155.40	4.796	
12,900.00	5,259.82	10,662.00	5,343.92	170.19	132.43	-86.281	-5,644.20	5,480.66	763.63	583.00	180.63	4.228 ES	
13,000.00	5,257.91	10,662.00	5,343.92	171.17	132.43	-86.281	-5,644.20	5,480.66	794.24	586.89	207.35	3.830	
13,100.00	5,256.01	10,662.00	5,343.92	172.16	132.43	-86.281	-5,644.20	5,480.66	835.76	604.08	231.67	3.607	
13,200.00	5,254.10	10,662.00	5,343.92	173.16	132.43	-86.281	-5,644.20	5,480.66	886.66	635.24	251.42	3.527 SF	
13,300.00	5,252.19	10,662.00	5,343.92	174.17	132.43	-86.281	-5,644.20	5,480.66	945.43	679.15	266.28	3.550	
13,400.00	5,250.29	10,662.00	5,343.92	175.19	132.43	-86.281	-5,644.20	5,480.66	1,010.70	733.82	276.88	3.650	
13,500.00	5,248.38	10,662.00	5,343.92	176.22	132.43	-86.281	-5,644.20	5,480.66	1,081.30	797.16	284.14	3.806	
13,600.00	5,246.47	10,662.00	5,343.92	177.25	132.43	-86.281	-5,644.20	5,480.66	1,156.24	867.32	288.91	4.002	
13,700.00	5,244.56	10,662.00	5,343.92	178.29	132.43	-86.281	-5,644.20	5,480.66	1,234.73	942.82	291.91	4.230	
13,800.00	5,242.66	10,662.00	5,343.92	179.35	132.43	-86.281	-5,644.20	5,480.66	1,316.14	1,022.49	293.65	4.482	
13,900.00	5,240.75	10,662.00	5,343.92	180.41	132.43	-86.281	-5,644.20	5,480.66	1,399.97	1,105.44	294.53	4.753	
14,000.00	5,238.84	10,662.00	5,343.92	181.48	132.43	-86.281	-5,644.20	5,480.66	1,485.80	1,190.99	294.80	5.040	
14,100.00	5,236.93	10,662.00	5,343.92	182.55	132.43	-86.281	-5,644.20	5,480.66	1,573.30	1,278.63	294.67	5.339	
14,200.00	5,235.03	10,662.00	5,343.92	183.64	132.43	-86.281	-5,644.20	5,480.66	1,662.21	1,367.95	294.26	5.649	
14,300.00	5,233.12	10,662.00	5,343.92	184.73	132.43	-86.281	-5,644.20	5,480.66	1,752.32	1,458.65	293.67	5.967	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: S Chaco Unit 344 Pad (344, 345 & 908) - S Chaco Unit 344 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 401-MWD, 3297-MWD, 12152-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
11,300.00	5,271.81	12,152.00	5,259.83	143.00	162.34	-76.218	-5,500.09	5,569.20	1,785.99	1,729.45	56.54	31.586	
11,400.00	5,271.53	12,152.00	5,259.83	145.31	162.34	-76.218	-5,500.09	5,569.20	1,686.84	1,629.49	57.35	29.414	
11,500.00	5,271.25	12,152.00	5,259.83	147.62	162.34	-76.218	-5,500.09	5,569.20	1,587.78	1,529.53	58.25	27.258	
11,600.00	5,270.97	12,152.00	5,259.83	149.93	162.34	-76.218	-5,500.09	5,569.20	1,488.86	1,429.59	59.27	25.121	
11,700.00	5,270.69	12,152.00	5,259.83	152.24	162.34	-76.218	-5,500.09	5,569.20	1,390.08	1,329.65	60.43	23.003	
11,800.00	5,270.41	12,152.00	5,259.83	154.54	162.34	-76.688	-5,500.09	5,569.20	1,291.50	1,229.73	61.77	20.907	
11,900.00	5,270.13	12,152.00	5,259.83	156.80	162.34	-81.823	-5,500.09	5,569.20	1,194.69	1,130.35	64.34	18.569	
12,000.00	5,269.86	12,152.00	5,259.83	158.91	162.34	-83.891	-5,500.09	5,569.20	1,102.57	1,033.11	69.46	15.873	
12,100.00	5,269.58	12,152.00	5,259.83	160.85	162.34	-84.960	-5,500.09	5,569.20	1,017.98	939.77	78.22	13.015	
12,200.00	5,269.30	12,152.00	5,259.83	162.58	162.34	-85.574	-5,500.09	5,569.20	944.37	852.36	92.01	10.264	
12,300.00	5,269.02	12,152.00	5,259.83	164.08	162.34	-85.933	-5,500.09	5,569.20	885.68	773.39	112.29	7.887	
12,400.00	5,268.74	12,152.00	5,259.83	165.33	162.34	-86.142	-5,500.09	5,569.20	845.99	706.26	139.73	6.054	
12,500.00	5,267.45	12,152.00	5,259.83	166.35	162.34	-86.328	-5,500.09	5,569.20	828.29	655.31	172.98	4.788	
12,565.75	5,266.20	12,152.00	5,259.83	166.97	162.34	-86.328	-5,500.09	5,569.20	825.68	629.55	196.12	4.210 CC	
12,600.00	5,265.54	12,152.00	5,259.83	167.30	162.34	-86.328	-5,500.09	5,569.20	826.39	618.23	208.16	3.970	
12,700.00	5,263.64	12,152.00	5,259.83	168.25	162.34	-86.328	-5,500.09	5,569.20	836.52	594.58	241.94	3.458	
12,800.00	5,261.73	12,152.00	5,259.83	169.21	162.34	-86.328	-5,500.09	5,569.20	858.27	586.51	271.76	3.158 ES	
12,900.00	5,259.82	12,152.00	5,259.83	170.19	162.34	-86.328	-5,500.09	5,569.20	890.77	594.92	295.85	3.011	
13,000.00	5,257.91	12,152.00	5,259.83	171.17	162.34	-86.328	-5,500.09	5,569.20	932.91	619.30	313.61	2.975 SF	
13,100.00	5,256.01	12,152.00	5,259.83	172.16	162.34	-86.328	-5,500.09	5,569.20	983.45	657.97	325.48	3.021	
13,200.00	5,254.10	12,152.00	5,259.83	173.16	162.34	-86.328	-5,500.09	5,569.20	1,041.16	708.62	332.55	3.131	
13,300.00	5,252.19	12,152.00	5,259.83	174.17	162.34	-86.328	-5,500.09	5,569.20	1,104.93	768.92	336.01	3.288	
13,400.00	5,250.29	12,152.00	5,259.83	175.19	162.34	-86.328	-5,500.09	5,569.20	1,173.77	836.81	336.96	3.483	
13,500.00	5,248.38	12,087.49	5,259.87	176.22	161.26	-86.582	-5,546.12	5,614.39	1,245.18	908.39	336.79	3.697	
13,600.00	5,246.47	12,010.96	5,259.78	177.25	159.51	-86.840	-5,600.89	5,667.84	1,316.41	980.28	336.13	3.916	
13,700.00	5,244.56	11,935.20	5,259.37	178.29	157.78	-87.050	-5,655.35	5,720.51	1,387.34	1,051.88	335.46	4.136	
13,800.00	5,242.66	11,857.76	5,258.75	179.35	156.02	-87.229	-5,711.25	5,774.09	1,457.98	1,123.20	334.77	4.355	
13,900.00	5,240.75	11,775.47	5,257.80	180.41	154.15	-87.384	-5,770.99	5,830.68	1,528.20	1,194.18	334.02	4.575	
14,000.00	5,238.84	11,711.48	5,256.70	181.48	152.69	-87.476	-5,817.60	5,874.50	1,598.17	1,264.69	333.48	4.792	
14,100.00	5,236.93	11,658.75	5,255.86	182.55	151.49	-87.550	-5,855.69	5,910.97	1,668.81	1,335.77	333.04	5.011	
14,200.00	5,235.03	11,563.51	5,254.42	183.64	149.33	-87.675	-5,924.52	5,976.77	1,739.37	1,407.19	332.17	5.236	
14,300.00	5,233.12	11,467.00	5,252.77	184.73	147.14	-87.780	-5,995.23	6,042.43	1,808.89	1,477.66	331.24	5.461	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: S Chaco Unit 344 Pad (344, 345 & 908) - S Chaco Unit 345 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 401-MWD, 3453-MWD, 10375-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
14,000.00	5,238.84	10,375.00	5,184.69	181.48	118.99	-84.031	-8,590.32	5,340.43	1,788.52	1,669.87	118.65	15.074	
14,100.00	5,236.93	10,375.00	5,184.69	182.55	118.99	-84.031	-8,590.32	5,340.43	1,696.05	1,583.41	112.65	15.056	
14,200.00	5,235.03	10,375.00	5,184.69	183.64	118.99	-84.031	-8,590.32	5,340.43	1,604.50	1,498.11	106.38	15.082	
14,300.00	5,233.12	10,375.00	5,184.69	184.73	118.99	-84.031	-8,590.32	5,340.43	1,514.01	1,414.01	100.00	15.140	
14,400.00	5,231.21	10,375.00	5,184.69	185.84	118.99	-84.031	-8,590.32	5,340.43	1,424.79	1,331.10	93.69	15.208	
14,500.00	5,229.31	10,375.00	5,184.69	186.95	118.99	-84.031	-8,590.32	5,340.43	1,337.10	1,249.38	87.72	15.243	
14,600.00	5,227.40	10,375.00	5,184.69	188.06	118.99	-84.031	-8,590.32	5,340.43	1,251.26	1,168.85	82.41	15.183	
14,700.00	5,225.49	10,375.00	5,184.69	189.19	118.99	-84.031	-8,590.32	5,340.43	1,167.67	1,089.55	78.12	14.947	
14,800.00	5,223.58	10,375.00	5,184.69	190.32	118.99	-84.031	-8,590.32	5,340.43	1,086.86	1,011.61	75.24	14.445	
14,900.00	5,221.68	10,375.00	5,184.69	191.47	118.99	-84.031	-8,590.32	5,340.43	1,009.49	935.28	74.21	13.604	
15,000.00	5,219.77	10,375.00	5,184.69	192.61	118.99	-84.031	-8,590.32	5,340.43	936.42	860.94	75.48	12.406	
15,100.00	5,217.86	10,375.00	5,184.69	193.77	118.99	-84.031	-8,590.32	5,340.43	868.73	789.16	79.57	10.918	
15,200.00	5,215.96	10,375.00	5,184.69	194.93	118.99	-84.031	-8,590.32	5,340.43	807.77	720.69	87.08	9.276	
15,300.00	5,214.05	10,375.00	5,184.69	196.11	118.99	-84.031	-8,590.32	5,340.43	755.18	656.28	98.91	7.635	
15,400.00	5,212.14	10,375.00	5,184.69	197.28	118.99	-84.031	-8,590.32	5,340.43	712.82	596.55	116.27	6.131	
15,500.00	5,210.23	10,375.00	5,184.69	198.47	118.99	-84.031	-8,590.32	5,340.43	682.58	542.17	140.42	4.861	
15,600.00	5,208.33	10,375.00	5,184.69	199.66	118.99	-84.031	-8,590.32	5,340.43	666.13	494.48	171.66	3.881	
15,660.96	5,207.16	10,375.00	5,184.69	200.39	118.99	-84.031	-8,590.32	5,340.43	663.34	469.84	193.50	3.428	CC
15,700.00	5,206.42	10,375.00	5,184.69	200.86	118.99	-84.031	-8,590.32	5,340.43	664.48	456.40	208.08	3.193	
15,800.00	5,204.51	10,375.00	5,184.69	202.07	118.99	-84.031	-8,590.32	5,340.43	677.75	432.88	244.87	2.768	
15,900.00	5,202.60	10,375.00	5,184.69	203.28	118.99	-84.031	-8,590.32	5,340.43	705.09	428.83	276.26	2.552	ES
16,000.00	5,200.70	10,375.00	5,184.69	204.50	118.99	-84.031	-8,590.32	5,340.43	744.96	446.18	298.78	2.493	SF
16,088.99	5,199.00	10,375.00	5,184.69	205.60	118.99	-84.031	-8,590.32	5,340.43	789.45	478.32	311.13	2.537	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: S Chaco Unit 344 Pad (344, 345 & 908) - S Chaco Unit 908 H - Original Hole - Surveys Original Hole

Offset Site Error: 0.00 ft

Survey Program: 401-MWD, 3453-MWD, 12493-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
12,400.00	5,268.74	12,493.00	5,217.29	165.33	159.23	-79.363	-6,986.59	5,362.74	1,781.78	1,658.91	122.86	14.502	
12,500.00	5,267.45	12,493.00	5,217.29	166.35	159.23	-84.103	-6,986.59	5,362.74	1,687.81	1,571.99	115.82	14.573	
12,600.00	5,265.54	12,493.00	5,217.29	167.30	159.23	-84.103	-6,986.59	5,362.74	1,596.04	1,488.45	107.60	14.834	
12,700.00	5,263.64	12,493.00	5,217.29	168.25	159.23	-84.103	-6,986.59	5,362.74	1,505.32	1,406.48	98.84	15.229	
12,800.00	5,261.73	12,493.00	5,217.29	169.21	159.23	-84.103	-6,986.59	5,362.74	1,415.85	1,326.12	89.73	15.779	
12,900.00	5,259.82	12,493.00	5,217.29	170.19	159.23	-84.103	-6,986.59	5,362.74	1,327.89	1,247.33	80.56	16.483	
13,000.00	5,257.91	12,493.00	5,217.29	171.17	159.23	-84.103	-6,986.59	5,362.74	1,241.74	1,169.99	71.75	17.305	
13,100.00	5,256.01	12,493.00	5,217.29	172.16	159.23	-84.103	-6,986.59	5,362.74	1,157.83	1,094.00	63.84	18.138	
13,200.00	5,254.10	12,493.00	5,217.29	173.16	159.23	-84.103	-6,986.59	5,362.74	1,076.67	1,019.27	57.40	18.759	
13,300.00	5,252.19	12,493.00	5,217.29	174.17	159.23	-84.103	-6,986.59	5,362.74	998.93	945.82	53.11	18.808	
13,400.00	5,250.29	12,493.00	5,217.29	175.19	159.23	-84.103	-6,986.59	5,362.74	925.48	873.72	51.76	17.880	
13,500.00	5,248.38	12,493.00	5,217.29	176.22	159.23	-84.103	-6,986.59	5,362.74	857.41	803.13	54.28	15.797	
13,600.00	5,246.47	12,493.00	5,217.29	177.25	159.23	-84.103	-6,986.59	5,362.74	796.12	734.30	61.81	12.880	
13,700.00	5,244.56	12,493.00	5,217.29	178.29	159.23	-84.103	-6,986.59	5,362.74	743.27	667.54	75.73	9.815	
13,800.00	5,242.66	12,493.00	5,217.29	179.35	159.23	-84.103	-6,986.59	5,362.74	700.78	603.34	97.43	7.192	
13,900.00	5,240.75	12,493.00	5,217.29	180.41	159.23	-84.103	-6,986.59	5,362.74	670.62	542.67	127.95	5.241	
14,000.00	5,238.84	12,493.00	5,217.29	181.48	159.23	-84.103	-6,986.59	5,362.74	654.51	487.49	167.02	3.919	
14,056.78	5,237.76	12,493.00	5,217.29	182.09	159.23	-84.103	-6,986.59	5,362.74	652.04	460.01	192.03	3.396 CC	
14,100.00	5,236.93	12,493.00	5,217.29	182.55	159.23	-84.103	-6,986.59	5,362.74	653.47	441.76	211.71	3.087	
14,200.00	5,235.03	12,493.00	5,217.29	183.64	159.23	-84.103	-6,986.59	5,362.74	667.58	411.39	256.19	2.606	
14,300.00	5,233.12	12,493.00	5,217.29	184.73	159.23	-84.103	-6,986.59	5,362.74	695.93	401.97	293.96	2.367 ES	
14,400.00	5,231.21	12,493.00	5,217.29	185.84	159.23	-84.103	-6,986.59	5,362.74	736.86	415.95	320.91	2.296 SF	
14,500.00	5,229.31	12,493.00	5,217.29	186.95	159.23	-84.103	-6,986.59	5,362.74	788.42	451.60	336.82	2.341	
14,600.00	5,227.40	12,493.00	5,217.29	188.06	159.23	-84.103	-6,986.59	5,362.74	848.67	504.55	344.13	2.466	
14,700.00	5,225.49	12,493.00	5,217.29	189.19	159.23	-84.103	-6,986.59	5,362.74	915.91	570.09	345.83	2.648	
14,800.00	5,223.58	12,456.27	5,217.76	190.32	158.66	-84.416	-7,012.26	5,389.00	988.02	642.57	345.46	2.860	
14,900.00	5,221.68	12,387.14	5,218.61	191.47	157.40	-84.939	-7,060.60	5,438.42	1,060.72	715.35	345.37	3.071	
15,000.00	5,219.77	12,316.20	5,218.97	192.61	155.78	-85.368	-7,110.30	5,489.04	1,133.33	788.42	344.91	3.286	
15,100.00	5,217.86	12,247.94	5,218.60	193.77	154.21	-85.680	-7,158.20	5,537.68	1,205.90	861.50	344.40	3.501	
15,200.00	5,215.96	12,177.78	5,217.44	194.93	152.61	-85.915	-7,207.44	5,587.63	1,278.48	934.60	343.87	3.718	
15,300.00	5,214.05	12,104.87	5,215.69	196.11	150.94	-86.097	-7,258.73	5,639.42	1,350.92	1,007.57	343.34	3.935	
15,400.00	5,212.14	12,027.24	5,213.37	197.28	149.17	-86.244	-7,313.60	5,694.29	1,423.04	1,080.23	342.81	4.151	
15,500.00	5,210.23	11,938.00	5,211.19	198.47	147.14	-86.417	-7,377.35	5,756.70	1,494.41	1,152.16	342.25	4.366	
15,600.00	5,208.33	11,888.65	5,210.81	199.66	146.02	-86.548	-7,412.59	5,791.24	1,565.82	1,224.12	341.70	4.582	
15,700.00	5,206.42	11,842.34	5,211.36	200.86	144.97	-86.710	-7,445.16	5,824.16	1,638.24	1,297.15	341.09	4.803	
15,800.00	5,204.51	11,763.33	5,212.70	202.07	143.16	-86.986	-7,500.50	5,880.53	1,710.94	1,370.36	340.58	5.024	
15,900.00	5,202.60	11,686.58	5,213.26	203.28	141.41	-87.194	-7,554.58	5,934.99	1,783.27	1,443.23	340.04	5.244	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 27 T23N R07W - Federal B #006 - Orig Hole - Inc only

Offset Site Error: 0.00 ft

Survey Program: 133-INC-ONLY

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	114.871	-474.90	1,024.46	1,129.38				
100.00	100.00	78.50	78.50	0.27	1.67	114.871	-474.90	1,024.46	1,129.18	1,127.23	1.94	581.074	
200.00	200.00	178.50	178.50	0.63	5.72	114.871	-474.90	1,024.46	1,129.18	1,122.83	6.35	177.875	
300.00	300.00	278.50	278.50	0.99	12.06	114.871	-474.90	1,024.46	1,129.18	1,116.13	13.05	86.508	
400.00	400.00	378.50	378.50	1.35	18.41	114.871	-474.90	1,024.46	1,129.18	1,109.42	19.76	57.151	
500.00	500.00	478.50	478.50	1.71	24.75	114.871	-474.90	1,024.46	1,129.18	1,102.72	26.46	42.671	
600.00	600.00	578.50	578.50	2.07	31.10	114.871	-474.90	1,024.46	1,129.18	1,096.01	33.17	34.045	
700.00	700.00	678.50	678.50	2.43	37.45	114.871	-474.90	1,024.46	1,129.18	1,089.31	39.87	28.320	
800.00	800.00	778.50	778.50	2.78	43.79	114.871	-474.90	1,024.46	1,129.18	1,082.60	46.58	24.243	
900.00	900.00	878.50	878.50	3.14	50.14	114.871	-474.90	1,024.46	1,129.18	1,075.90	53.28	21.193	
1,000.00	1,000.00	978.50	978.50	3.50	56.49	114.871	-474.90	1,024.46	1,129.18	1,069.19	59.99	18.824	
1,094.82	1,094.82	1,073.32	1,073.30	3.84	62.50	114.729	-471.82	1,024.46	1,127.89	1,061.54	66.34	17.001	
1,100.00	1,100.00	1,078.49	1,078.46	3.86	62.83	114.729	-471.82	1,024.46	1,127.89	1,061.20	66.69	16.912	
1,200.00	1,200.00	1,178.17	1,178.14	4.22	69.16	114.731	-471.86	1,024.46	1,127.90	1,054.53	73.37	15.372	
1,300.00	1,299.95	1,277.80	1,277.78	4.56	75.48	-130.521	-471.97	1,024.46	1,129.65	1,049.61	80.04	14.113	
1,400.00	1,399.63	1,377.18	1,377.14	4.90	81.79	-130.695	-472.14	1,024.46	1,134.84	1,048.15	86.69	13.091	
1,500.00	1,498.77	1,476.01	1,475.98	5.25	88.06	-130.978	-472.39	1,024.46	1,143.52	1,050.21	93.31	12.256	
1,600.00	1,597.25	1,574.21	1,574.18	5.62	94.29	-131.500	-472.69	1,024.46	1,155.18	1,055.29	99.89	11.564	
1,700.00	1,695.64	1,672.34	1,672.30	6.00	100.52	-132.132	-473.07	1,024.46	1,167.33	1,060.85	106.48	10.963	
1,800.00	1,794.04	1,770.49	1,770.44	6.40	106.75	-132.747	-473.51	1,024.46	1,179.64	1,066.56	113.08	10.432	
1,900.00	1,892.44	1,868.64	1,868.59	6.80	112.98	-133.347	-474.02	1,024.46	1,192.11	1,072.42	119.68	9.960	
2,000.00	1,990.83	1,966.80	1,966.75	7.21	119.21	-133.932	-474.60	1,024.46	1,204.73	1,078.44	126.29	9.539	
2,100.00	2,089.23	2,068.11	2,067.73	7.62	124.08	-134.534	-474.90	1,024.46	1,217.37	1,085.83	131.55	9.254	
2,200.00	2,187.63	2,166.51	2,166.13	8.05	127.48	-135.121	-474.90	1,024.46	1,230.05	1,094.71	135.34	9.088	
2,300.00	2,286.03	2,264.91	2,264.53	8.47	130.89	-135.697	-474.90	1,024.46	1,242.85	1,103.71	139.14	8.932	
2,400.00	2,384.42	2,363.30	2,362.92	8.90	134.30	-136.261	-474.90	1,024.46	1,255.77	1,112.83	142.94	8.785	
2,500.00	2,482.82	2,461.70	2,461.32	9.34	137.71	-136.813	-474.90	1,024.46	1,268.81	1,122.07	146.74	8.647	
2,600.00	2,581.22	2,559.26	2,558.84	9.77	141.09	-137.476	-471.95	1,024.46	1,281.09	1,130.58	150.51	8.512	
2,700.00	2,679.62	2,656.69	2,656.26	10.21	144.47	-137.985	-472.30	1,024.46	1,294.49	1,140.21	154.27	8.391	
2,800.00	2,778.01	2,754.18	2,753.73	10.66	147.84	-138.474	-472.92	1,024.46	1,308.06	1,150.02	158.04	8.277	
2,900.00	2,876.41	2,851.71	2,851.24	11.10	151.22	-138.941	-473.81	1,024.46	1,321.80	1,159.99	161.82	8.169	
3,000.00	2,974.81	2,954.06	2,953.31	11.55	154.77	-139.414	-474.90	1,024.46	1,335.68	1,169.92	165.76	8.058	
3,100.00	3,073.21	3,052.46	3,051.71	11.99	158.21	-139.903	-474.90	1,024.46	1,349.36	1,179.77	169.59	7.957	
3,200.00	3,171.60	3,150.86	3,150.10	12.44	161.64	-140.383	-474.90	1,024.46	1,363.14	1,189.72	173.42	7.860	
3,300.00	3,270.00	3,249.25	3,248.50	12.89	165.07	-140.853	-474.90	1,024.46	1,377.01	1,199.77	177.25	7.769	
3,400.00	3,368.40	3,347.65	3,346.90	13.34	168.51	-141.314	-474.90	1,024.46	1,390.97	1,209.90	181.07	7.682	
3,500.00	3,466.79	3,446.05	3,445.29	13.80	171.94	-141.765	-474.90	1,024.46	1,405.02	1,220.12	184.90	7.599	
3,600.00	3,565.19	3,544.45	3,543.69	14.25	175.38	-142.208	-474.90	1,024.46	1,419.16	1,230.43	188.73	7.520	
3,700.00	3,663.59	3,642.84	3,642.09	14.70	178.81	-142.646	-474.90	1,024.46	1,433.37	1,240.82	192.55	7.444	
3,800.00	3,762.42	3,741.56	3,740.71	15.14	182.26	-143.460	-468.97	1,024.46	1,444.35	1,247.98	196.38	7.355	
3,900.00	3,861.91	3,840.54	3,839.68	15.53	185.71	-143.832	-469.11	1,024.46	1,452.45	1,252.25	200.20	7.255	
4,000.00	3,961.78	3,939.92	3,939.04	15.88	189.18	-143.999	-469.44	1,024.46	1,456.37	1,252.36	204.01	7.139	
4,100.00	4,061.78	4,039.42	4,038.53	16.19	192.66	101.200	-469.96	1,024.46	1,456.83	1,249.02	207.81	7.010	
4,200.00	4,161.78	4,138.94	4,138.03	16.50	196.13	101.228	-470.69	1,024.46	1,456.97	1,245.37	211.61	6.885	
4,300.00	4,261.78	4,238.46	4,237.53	16.81	199.60	101.263	-471.60	1,024.46	1,457.15	1,241.75	215.41	6.765	
4,400.00	4,361.78	4,337.99	4,337.04	17.12	203.08	101.306	-472.71	1,024.46	1,457.37	1,238.16	219.21	6.648	
4,500.00	4,461.78	4,437.52	4,436.54	17.43	206.55	101.356	-474.01	1,024.46	1,457.63	1,234.62	223.01	6.536	
4,600.00	4,561.78	4,541.42	4,540.28	17.75	209.58	101.390	-474.90	1,024.46	1,457.80	1,231.42	226.38	6.440	
4,700.00	4,661.78	4,641.42	4,640.28	18.06	211.71	101.390	-474.90	1,024.46	1,457.80	1,228.97	228.83	6.371	
4,800.00	4,761.72	4,741.37	4,740.22	18.37	213.83	-31.951	-474.90	1,024.46	1,456.15	1,224.87	231.28	6.296	
4,900.00	4,860.16	4,839.81	4,838.66	18.65	215.92	-33.086	-474.90	1,024.46	1,441.86	1,208.18	233.69	6.170	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 27 T23N R07W - Federal B #006 - Orig Hole - Inc only

Offset Site Error: 0.00 ft

Survey Program: 133-INC-ONLY

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
5,000.00	4,954.18	4,933.83	4,932.68	18.88	217.92	-35.505	-474.90	1,024.46	1,413.47	1,177.48	235.99	5.990	
5,100.00	5,040.92	5,020.57	5,019.42	19.08	219.76	-39.446	-474.90	1,024.46	1,372.19	1,134.07	238.12	5.762	
5,200.00	5,117.75	5,097.39	5,096.25	19.24	221.39	-45.237	-474.90	1,024.46	1,319.81	1,079.76	240.05	5.498	
5,300.00	5,182.32	5,161.97	5,160.82	19.37	222.76	-53.170	-474.90	1,024.46	1,258.67	1,016.92	241.75	5.207	
5,400.00	5,232.69	5,212.33	5,211.19	19.46	223.83	-63.168	-474.90	1,024.46	1,191.54	948.33	243.21	4.899	
5,500.00	5,267.31	5,246.96	5,245.81	20.02	224.57	-74.354	-474.90	1,024.46	1,121.59	877.11	244.48	4.588	
5,600.00	5,285.14	5,264.79	5,263.64	20.99	224.94	-85.080	-474.90	1,024.46	1,052.19	806.61	245.58	4.284	
5,700.00	5,287.45	5,267.09	5,265.95	22.12	224.99	-90.129	-474.90	1,024.46	986.67	740.08	246.59	4.001	
5,800.00	5,287.17	5,266.81	5,265.67	23.42	224.99	-90.108	-474.90	1,024.46	927.25	679.44	247.81	3.742	
5,900.00	5,286.89	5,266.53	5,265.39	24.87	224.98	-90.087	-474.90	1,024.46	875.27	625.96	249.31	3.511	
6,000.00	5,286.61	5,266.25	5,265.11	26.44	224.98	-90.066	-474.90	1,024.46	832.10	581.06	251.04	3.315	
6,100.00	5,286.33	5,265.98	5,264.83	28.11	224.97	-90.045	-474.90	1,024.46	799.17	546.25	252.93	3.160	
6,200.00	5,286.05	5,265.70	5,264.55	29.87	224.96	-90.025	-474.90	1,024.46	777.80	522.97	254.83	3.052	
6,300.00	5,285.77	5,265.42	5,264.27	31.71	224.96	-90.004	-474.90	1,024.46	768.94	512.35	256.58	2.997	
6,318.50	5,285.72	5,265.37	5,264.22	32.05	224.96	-90.000	-474.90	1,024.46	768.71	511.83	256.88	2.993	CC, ES, SF
6,400.00	5,285.49	5,265.14	5,263.99	33.60	224.95	-89.983	-474.90	1,024.46	773.02	514.98	258.04	2.996	
6,500.00	5,285.21	5,264.86	5,263.71	35.54	224.95	-89.962	-474.90	1,024.46	789.84	530.73	259.11	3.048	
6,600.00	5,284.94	5,264.58	5,263.44	37.53	224.94	-89.941	-474.90	1,024.46	818.62	558.85	259.77	3.151	
6,700.00	5,284.66	5,264.30	5,263.16	39.56	224.93	-89.921	-474.90	1,024.46	858.15	598.10	260.05	3.300	
6,800.00	5,284.38	5,264.02	5,262.88	41.61	224.93	-89.900	-474.90	1,024.46	907.04	646.99	260.04	3.488	
6,900.00	5,284.10	5,263.74	5,262.60	43.70	224.92	-89.879	-474.90	1,024.46	963.85	704.03	259.82	3.710	
7,000.00	5,283.82	5,263.46	5,262.32	45.80	224.92	-89.858	-474.90	1,024.46	1,027.28	767.81	259.47	3.959	
7,100.00	5,283.54	5,263.18	5,262.04	47.93	224.91	-89.837	-474.90	1,024.46	1,096.17	837.14	259.03	4.232	
7,200.00	5,283.26	5,262.90	5,261.76	50.07	224.90	-89.817	-474.90	1,024.46	1,169.56	911.01	258.56	4.523	
7,300.00	5,282.98	5,262.62	5,261.48	52.23	224.90	-89.796	-474.90	1,024.46	1,246.66	988.59	258.08	4.831	
7,400.00	5,282.70	5,262.35	5,261.20	54.41	224.89	-89.775	-474.90	1,024.46	1,326.82	1,069.22	257.61	5.151	
7,500.00	5,282.42	5,262.07	5,260.92	56.59	224.89	-89.754	-474.90	1,024.46	1,409.52	1,152.37	257.16	5.481	
7,600.00	5,282.14	5,261.79	5,260.64	58.79	224.88	-89.733	-474.90	1,024.46	1,494.34	1,237.61	256.73	5.821	
7,700.00	5,281.86	5,261.51	5,260.36	61.00	224.87	-89.712	-474.90	1,024.46	1,580.93	1,324.60	256.33	6.168	
7,800.00	5,281.58	5,261.23	5,260.08	63.21	224.87	-89.692	-474.90	1,024.46	1,669.02	1,413.06	255.96	6.521	
7,900.00	5,281.30	5,260.95	5,259.80	65.43	224.86	-89.671	-474.90	1,024.46	1,758.38	1,502.77	255.62	6.879	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 004H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.741	0.09	20.07	20.07				
100.00	100.00	100.00	100.00	0.27	0.27	89.741	0.09	20.07	20.07	19.52	0.55	36.594	
200.00	200.00	200.00	200.00	0.63	0.63	89.741	0.09	20.07	20.07	18.81	1.27	15.861	
300.00	300.00	300.00	300.00	0.99	0.99	89.741	0.09	20.07	20.07	18.09	1.98	10.125	
400.00	400.00	400.00	400.00	1.35	1.35	89.741	0.09	20.07	20.07	17.37	2.70	7.436	
500.00	500.00	500.00	500.00	1.71	1.71	89.741	0.09	20.07	20.07	16.65	3.42	5.875	
600.00	600.00	600.00	600.00	2.07	2.07	89.741	0.09	20.07	20.07	15.94	4.13	4.856	CC, ES
700.00	700.00	699.31	699.26	2.43	2.42	84.156	2.21	21.55	21.68	16.83	4.84	4.474	SF
800.00	800.00	798.08	797.73	2.78	2.78	71.867	8.50	25.95	27.40	21.86	5.55	4.940	
900.00	900.00	895.80	894.62	3.14	3.14	60.432	18.82	33.18	38.52	32.29	6.23	6.180	
1,000.00	1,000.00	991.99	989.24	3.50	3.51	52.583	32.94	43.05	55.26	48.36	6.90	8.013	
1,100.00	1,100.00	1,086.20	1,080.97	3.86	3.91	47.613	50.53	55.36	77.33	69.79	7.54	10.260	
1,200.00	1,200.00	1,178.06	1,169.27	4.22	4.33	44.438	71.22	69.84	104.38	96.22	8.15	12.802	
1,300.00	1,299.95	1,266.48	1,253.03	4.56	4.78	157.155	94.41	86.06	138.37	129.64	8.73	15.849	
1,400.00	1,399.63	1,350.00	1,330.87	4.90	5.25	156.103	119.21	103.41	180.98	171.69	9.29	19.479	
1,500.00	1,498.77	1,427.92	1,402.23	5.25	5.73	155.517	144.84	121.35	231.54	221.73	9.82	23.590	
1,600.00	1,597.25	1,500.00	1,467.06	5.62	6.20	155.540	170.65	139.41	288.75	278.45	10.30	28.028	
1,700.00	1,695.64	1,568.48	1,527.50	6.00	6.70	155.759	197.01	157.85	349.26	338.50	10.75	32.478	
1,800.00	1,794.04	1,633.18	1,583.52	6.40	7.20	155.859	223.54	176.41	412.48	401.30	11.18	36.896	
1,900.00	1,892.44	1,700.00	1,640.18	6.80	7.73	155.888	252.55	196.71	478.24	466.58	11.66	41.008	
2,000.00	1,990.83	1,762.67	1,692.49	7.21	8.27	155.880	280.83	216.49	545.78	533.66	12.11	45.051	
2,100.00	2,089.23	1,836.25	1,753.87	7.62	8.92	155.872	314.08	239.76	613.50	600.77	12.73	48.181	
2,200.00	2,187.63	1,909.82	1,815.24	8.05	9.58	155.865	347.33	263.02	681.22	667.87	13.36	50.997	
2,300.00	2,286.03	1,983.40	1,876.61	8.47	10.25	155.859	380.58	286.29	748.95	734.95	13.99	53.527	
2,400.00	2,384.42	2,056.98	1,937.98	8.90	10.93	155.854	413.83	309.56	816.67	802.04	14.63	55.813	
2,500.00	2,482.82	2,130.55	1,999.36	9.34	11.61	155.850	447.09	332.82	884.39	869.12	15.28	57.889	
2,600.00	2,581.22	2,204.13	2,060.73	9.77	12.30	155.847	480.34	356.09	952.12	936.19	15.93	59.779	
2,700.00	2,679.62	2,277.71	2,122.10	10.21	12.99	155.844	513.59	379.35	1,019.84	1,003.26	16.58	61.501	
2,800.00	2,778.01	2,351.28	2,183.47	10.66	13.69	155.841	546.84	402.62	1,087.56	1,070.32	17.24	63.078	
2,900.00	2,876.41	2,424.86	2,244.85	11.10	14.39	155.839	580.09	425.88	1,155.29	1,137.38	17.90	64.529	
3,000.00	2,974.81	2,498.44	2,306.22	11.55	15.10	155.837	613.35	449.15	1,223.01	1,204.44	18.57	65.867	
3,100.00	3,073.21	2,572.01	2,367.59	11.99	15.80	155.835	646.60	472.41	1,290.73	1,271.50	19.24	67.099	
3,200.00	3,171.60	2,645.59	2,428.96	12.44	16.51	155.834	679.85	495.68	1,358.46	1,338.55	19.91	68.240	
3,300.00	3,270.00	2,719.17	2,490.34	12.89	17.22	155.832	713.10	518.94	1,426.18	1,405.60	20.58	69.300	
3,400.00	3,368.40	2,792.74	2,551.71	13.34	17.93	155.831	746.35	542.21	1,493.90	1,472.65	21.25	70.285	
3,500.00	3,466.79	2,866.32	2,613.08	13.80	18.65	155.830	779.60	565.48	1,561.63	1,539.69	21.93	71.202	
3,600.00	3,565.19	2,939.90	2,674.45	14.25	19.36	155.828	812.86	588.74	1,629.35	1,606.74	22.61	72.058	
3,700.00	3,663.59	3,013.48	2,735.83	14.70	20.08	155.840	846.11	612.01	1,697.07	1,673.78	23.29	72.859	
3,800.00	3,762.42	3,088.67	2,798.55	15.14	20.81	156.847	880.09	635.78	1,762.97	1,738.99	23.98	73.526	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 232H - Orig Hole - MWD surveys

Offset Site Error: 0.00 ft

Survey Program: 365-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-0.067	119.79	-0.14	120.25				
100.00	100.00	89.30	89.30	0.27	0.15	-0.110	119.87	-0.23	119.87	119.44	0.43	279.828	CC
200.00	200.00	189.08	189.08	0.63	0.33	-0.260	120.12	-0.55	120.12	119.16	0.96	125.258	
300.00	300.00	288.86	288.86	0.99	0.50	-0.517	120.56	-1.09	120.56	119.07	1.49	80.935	
400.00	400.00	388.97	388.97	1.35	0.72	-0.863	121.14	-1.82	121.16	119.09	2.07	58.666	
500.00	500.00	490.08	490.07	1.71	1.07	-0.714	121.10	-1.51	121.12	118.34	2.77	43.646	
600.00	600.00	590.12	590.08	2.07	1.41	0.444	120.64	0.94	120.64	117.17	3.47	34.754	
700.00	700.00	689.97	689.85	2.43	1.75	2.280	120.17	4.79	120.26	116.09	4.18	28.791	
800.00	800.00	789.92	789.70	2.78	2.11	4.400	119.62	9.20	119.98	115.09	4.89	24.538	
871.43	871.43	861.24	860.93	3.04	2.36	6.070	119.22	12.68	119.89	114.49	5.40	22.198	
900.00	900.00	889.36	889.00	3.14	2.46	6.848	119.09	14.30	119.95	114.34	5.60	21.400	ES
1,000.00	1,000.00	987.83	987.16	3.50	2.82	10.522	119.06	22.11	121.12	114.79	6.32	19.153	
1,100.00	1,100.00	1,086.84	1,085.64	3.86	3.20	15.152	119.35	32.32	123.71	116.66	7.05	17.542	
1,200.00	1,200.00	1,185.64	1,183.63	4.22	3.58	20.660	119.11	44.91	127.43	119.64	7.79	16.363	
1,300.00	1,299.95	1,282.62	1,279.56	4.56	3.97	141.737	119.03	59.11	135.31	126.80	8.50	15.910	SF
1,400.00	1,399.63	1,379.33	1,374.85	4.90	4.37	149.055	118.60	75.61	150.24	141.03	9.22	16.304	
1,500.00	1,498.77	1,472.98	1,466.90	5.25	4.77	155.888	117.78	92.81	172.57	162.67	9.90	17.423	
1,600.00	1,597.25	1,566.60	1,558.76	5.62	5.19	161.848	117.24	110.91	201.88	191.28	10.59	19.055	
1,700.00	1,695.64	1,659.93	1,650.34	6.00	5.61	166.502	116.33	128.87	232.95	221.68	11.27	20.670	
1,800.00	1,794.04	1,751.67	1,740.15	6.40	6.03	170.216	115.09	147.55	265.81	253.87	11.94	22.268	
1,900.00	1,892.44	1,844.00	1,830.46	6.80	6.46	173.203	113.74	166.69	299.75	287.14	12.61	23.768	
2,000.00	1,990.83	1,939.39	1,923.88	7.21	6.91	175.542	112.83	185.96	334.06	320.75	13.32	25.086	
2,100.00	2,089.23	2,034.46	2,017.17	7.62	7.35	177.297	112.39	204.26	368.16	354.14	14.02	26.260	
2,200.00	2,187.63	2,125.08	2,106.11	8.05	7.77	178.676	112.00	221.59	402.42	387.73	14.69	27.398	
2,300.00	2,286.03	2,216.20	2,195.31	8.47	8.20	-179.984	110.89	240.21	437.69	422.33	15.37	28.485	
2,400.00	2,384.42	2,307.86	2,284.99	8.90	8.65	-178.861	110.09	259.15	473.47	457.42	16.05	29.496	
2,500.00	2,482.82	2,402.59	2,377.70	9.34	9.10	-177.911	109.63	278.53	509.36	492.60	16.77	30.380	
2,600.00	2,581.22	2,495.26	2,468.45	9.77	9.55	-177.119	109.23	297.31	545.19	527.73	17.46	31.216	
2,700.00	2,679.62	2,588.33	2,559.57	10.21	9.99	-176.392	108.60	316.29	581.14	562.97	18.17	31.984	
2,800.00	2,778.01	2,682.05	2,651.28	10.66	10.45	-175.711	107.65	335.57	617.21	598.33	18.88	32.687	
2,900.00	2,876.41	2,777.89	2,745.07	11.10	10.91	-175.057	106.25	355.24	653.17	633.56	19.62	33.299	
3,000.00	2,974.81	2,879.40	2,844.60	11.55	11.40	-174.456	104.63	375.11	688.30	667.90	20.39	33.751	
3,100.00	3,073.21	2,981.80	2,945.27	11.99	11.88	-173.991	103.49	393.78	722.40	701.23	21.17	34.119	
3,200.00	3,171.60	3,094.35	3,056.44	12.44	12.37	-173.785	104.56	411.29	754.74	732.72	22.01	34.284	
3,300.00	3,270.00	3,210.73	3,171.83	12.89	12.85	-173.676	105.80	426.39	784.79	761.92	22.86	34.328	
3,400.00	3,368.40	3,338.04	3,298.60	13.34	13.33	-173.674	107.01	437.90	811.06	787.32	23.75	34.157	
3,500.00	3,466.79	3,461.74	3,422.06	13.80	13.77	-173.712	107.57	445.47	834.68	810.10	24.58	33.959	
3,600.00	3,565.19	3,573.53	3,533.79	14.25	14.14	-173.780	107.52	449.04	855.33	829.98	25.34	33.749	
3,700.00	3,663.59	3,674.01	3,634.24	14.70	14.46	-173.847	107.40	451.63	875.41	849.35	26.06	33.590	
3,800.00	3,762.42	3,786.69	3,746.91	15.14	14.82	-174.019	107.85	452.97	891.74	864.93	26.81	33.256	
3,900.00	3,861.91	3,888.74	3,848.96	15.53	15.13	-174.150	108.46	453.24	902.13	874.62	27.51	32.790	
4,000.00	3,961.78	3,992.22	3,952.44	15.88	15.44	-174.212	108.71	453.22	906.95	878.75	28.20	32.163	
4,100.00	4,061.78	4,093.53	4,053.75	16.19	15.73	70.975	108.72	452.97	907.16	878.31	28.85	31.442	
4,200.00	4,161.78	4,194.93	4,155.15	16.50	16.02	70.980	108.52	452.66	906.80	877.30	29.51	30.733	
4,300.00	4,261.78	4,294.37	4,254.59	16.81	16.30	70.980	108.38	452.27	906.39	876.23	30.16	30.057	
4,400.00	4,361.78	4,393.88	4,354.09	17.12	16.59	70.983	108.24	451.99	906.07	875.26	30.81	29.409	
4,500.00	4,461.78	4,494.61	4,454.82	17.43	16.89	70.979	108.17	451.59	905.68	874.21	31.47	28.781	
4,600.00	4,561.78	4,606.67	4,566.51	17.75	17.21	70.510	114.66	447.71	904.28	872.12	32.16	28.120	
4,700.00	4,661.78	4,718.13	4,675.42	18.06	17.50	69.037	135.66	437.55	902.19	869.36	32.83	27.478	
4,800.00	4,761.72	4,815.01	4,767.06	18.37	17.72	-66.425	163.87	423.96	899.18	865.70	33.47	26.864	
4,900.00	4,860.16	4,930.95	4,871.56	18.65	17.95	-71.415	207.87	400.20	890.29	856.12	34.17	26.058	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 232H - Orig Hole - MWD surveys

Offset Site Error: 0.00 ft

Survey Program: 365-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,954.18	4,991.70	4,923.66	18.88	18.06	-75.406	235.00	384.75	879.95	845.24	34.71	25.354	
5,100.00	5,040.92	5,031.47	4,956.60	19.08	18.13	-78.358	254.45	373.87	873.34	838.24	35.10	24.880	
5,151.54	5,081.91	5,045.11	4,967.63	19.17	18.15	-79.306	261.45	369.96	872.37	837.11	35.25	24.745	
5,200.00	5,117.75	5,053.41	4,974.26	19.24	18.16	-79.749	265.81	367.51	873.28	837.95	35.34	24.712	
5,300.00	5,182.32	5,058.36	4,978.17	19.37	18.17	-79.290	268.45	366.02	881.20	845.75	35.44	24.862	
5,400.00	5,232.69	5,051.38	4,972.64	19.46	18.16	-77.272	264.74	368.12	896.98	861.45	35.53	25.246	
5,500.00	5,267.31	5,037.00	4,961.09	20.02	18.14	-74.141	257.27	372.30	919.43	883.71	35.72	25.739	
5,600.00	5,285.14	5,013.05	4,941.48	20.99	18.10	-70.046	245.27	378.99	946.73	910.71	36.02	26.281	
5,700.00	5,287.45	4,984.40	4,917.51	22.12	18.05	-66.950	231.58	386.68	977.41	940.94	36.47	26.800	
5,800.00	5,287.17	4,956.94	4,894.09	23.42	18.00	-65.515	219.10	393.75	1,014.75	977.77	36.99	27.434	
5,900.00	5,286.89	4,930.81	4,871.44	24.87	17.95	-64.153	207.81	400.23	1,059.02	1,021.51	37.51	28.234	
6,000.00	5,286.61	4,910.00	4,853.15	26.44	17.91	-63.071	199.18	405.14	1,109.47	1,071.42	38.06	29.154	
6,100.00	5,286.33	4,878.00	4,824.64	28.11	17.85	-61.415	186.50	412.24	1,165.39	1,126.99	38.40	30.345	
6,200.00	5,286.05	4,862.10	4,810.30	29.87	17.82	-60.596	180.48	415.51	1,226.15	1,187.26	38.89	31.530	
6,300.00	5,285.77	4,847.00	4,796.55	31.71	17.79	-59.820	174.95	418.43	1,291.23	1,251.92	39.31	32.845	
6,400.00	5,285.49	4,828.86	4,779.89	33.60	17.75	-58.892	168.56	421.67	1,360.08	1,320.45	39.63	34.316	
6,500.00	5,285.21	4,815.00	4,767.05	35.54	17.72	-58.186	163.87	423.96	1,432.24	1,392.29	39.95	35.854	
6,600.00	5,284.94	4,800.32	4,753.37	37.53	17.69	-57.443	159.07	426.25	1,507.25	1,467.06	40.20	37.497	
6,700.00	5,284.66	4,783.00	4,737.12	39.56	17.65	-56.575	153.64	428.83	1,584.74	1,544.37	40.38	39.249	
6,800.00	5,284.38	4,783.00	4,737.12	41.61	17.65	-56.575	153.64	428.83	1,664.42	1,623.74	40.68	40.917	
6,900.00	5,284.10	4,762.91	4,718.16	43.70	17.60	-55.582	147.64	431.68	1,745.88	1,705.11	40.77	42.825	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 233H - Orig Hole - MWD surveys

Offset Site Error: 0.00 ft

Survey Program: 365-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.028	89.93	0.04	90.55				
100.00	100.00	89.31	89.31	0.27	0.15	0.082	90.03	0.13	90.03	89.60	0.43	210.179	CC
200.00	200.00	189.09	189.09	0.63	0.33	0.267	90.37	0.42	90.37	89.41	0.96	94.235	ES
300.00	300.00	288.86	288.86	0.99	0.50	0.582	90.94	0.92	90.95	89.46	1.49	61.058	
400.00	400.00	388.68	388.67	1.35	0.71	0.979	91.75	1.57	91.77	89.71	2.06	44.487	
500.00	500.00	488.78	488.76	1.71	1.06	0.272	92.64	0.44	92.64	89.87	2.77	33.447	
600.00	600.00	588.23	588.12	2.07	1.41	-2.039	93.68	-3.34	93.75	90.27	3.48	26.972	
700.00	700.00	687.74	687.53	2.43	1.76	-4.571	95.24	-7.61	95.56	91.37	4.19	22.817	
800.00	800.00	787.13	786.81	2.78	2.12	-6.956	97.09	-11.85	97.85	92.94	4.90	19.954	
900.00	900.00	883.96	883.51	3.14	2.48	-8.773	100.61	-15.53	101.97	96.37	5.61	18.182	
1,000.00	1,000.00	979.69	978.93	3.50	2.83	-9.355	107.82	-17.76	109.78	103.48	6.30	17.424	
1,100.00	1,100.00	1,075.50	1,074.17	3.86	3.18	-9.192	118.20	-19.13	120.72	113.73	6.99	17.278	
1,200.00	1,200.00	1,168.41	1,166.00	4.22	3.54	-8.396	132.20	-19.51	135.68	128.04	7.64	17.753	
1,300.00	1,299.95	1,259.79	1,255.58	4.56	3.91	107.603	150.21	-19.73	156.02	147.75	8.27	18.864	
1,400.00	1,399.63	1,354.05	1,347.38	4.90	4.31	109.991	171.61	-19.87	181.19	172.25	8.94	20.275	
1,500.00	1,498.77	1,445.23	1,435.89	5.25	4.73	112.715	193.51	-20.22	210.01	200.42	9.59	21.900	
1,600.00	1,597.25	1,536.85	1,524.48	5.62	5.16	115.955	216.87	-20.79	242.72	232.44	10.28	23.612	
1,700.00	1,695.64	1,631.65	1,616.13	6.00	5.62	118.902	241.10	-21.48	276.39	265.37	11.01	25.096	
1,800.00	1,794.04	1,723.69	1,705.20	6.40	6.07	121.297	264.28	-21.42	310.32	298.59	11.73	26.461	
1,900.00	1,892.44	1,813.55	1,791.95	6.80	6.52	123.224	287.69	-21.00	345.53	333.10	12.43	27.802	
2,000.00	1,990.83	1,909.79	1,884.85	7.21	7.01	124.880	312.83	-20.72	381.09	367.89	13.20	28.867	
2,100.00	2,089.23	2,008.38	1,980.26	7.62	7.51	126.181	337.64	-21.34	415.77	401.77	14.00	29.695	
2,200.00	2,187.63	2,100.10	2,069.23	8.05	7.97	127.231	359.98	-21.90	449.84	435.10	14.74	30.520	
2,300.00	2,286.03	2,187.66	2,153.90	8.47	8.42	128.181	382.27	-21.48	485.31	469.87	15.44	31.430	
2,400.00	2,384.42	2,286.71	2,249.70	8.90	8.94	129.092	407.44	-21.19	520.82	504.56	16.26	32.039	
2,500.00	2,482.82	2,381.83	2,341.90	9.34	9.42	129.833	430.81	-21.33	555.52	538.48	17.03	32.611	
2,600.00	2,581.22	2,474.39	2,431.64	9.77	9.90	130.530	453.46	-20.88	590.38	572.59	17.79	33.183	
2,700.00	2,679.62	2,561.20	2,515.72	10.21	10.35	131.133	475.08	-20.12	625.81	607.31	18.50	33.831	
2,800.00	2,778.01	2,659.05	2,610.40	10.66	10.86	131.687	499.74	-19.78	661.42	642.11	19.31	34.254	
2,900.00	2,876.41	2,753.14	2,701.45	11.10	11.35	132.114	523.49	-20.04	696.92	676.83	20.09	34.691	
3,000.00	2,974.81	2,860.16	2,805.34	11.55	11.90	132.530	549.16	-21.08	731.05	710.07	20.98	34.842	
3,100.00	3,073.21	2,955.37	2,897.89	11.99	12.38	132.932	571.50	-21.29	765.02	743.25	21.77	35.142	
3,200.00	3,171.60	3,052.12	2,992.16	12.44	12.87	133.314	593.25	-21.73	798.03	775.46	22.57	35.360	
3,300.00	3,270.00	3,132.98	3,070.79	12.89	13.28	133.615	612.08	-21.76	831.96	808.73	23.24	35.806	
3,400.00	3,368.40	3,216.46	3,151.69	13.34	13.71	133.934	632.67	-20.90	867.48	843.55	23.92	36.260	
3,500.00	3,466.79	3,318.39	3,250.51	13.80	14.24	134.282	657.62	-20.11	902.78	878.01	24.78	36.438	
3,600.00	3,565.19	3,405.12	3,334.56	14.25	14.70	134.530	679.00	-19.80	938.13	912.64	25.50	36.795	
3,700.00	3,663.59	3,501.02	3,427.48	14.70	15.20	134.778	702.73	-19.68	973.49	947.19	26.30	37.016	
3,800.00	3,762.42	3,585.55	3,509.32	15.14	15.64	135.684	723.91	-18.65	1,007.74	980.75	26.98	37.346	
3,900.00	3,861.91	3,698.22	3,618.51	15.53	16.23	136.285	751.60	-17.11	1,038.09	1,010.20	27.88	37.231	
4,000.00	3,961.78	3,787.61	3,705.29	15.88	16.69	136.596	773.03	-16.42	1,064.05	1,035.50	28.55	37.266	
4,100.00	4,061.78	3,894.92	3,809.32	16.19	17.25	21.519	799.35	-15.71	1,087.51	1,058.16	29.35	37.051	
4,200.00	4,161.78	3,985.41	3,897.17	16.50	17.72	21.115	821.04	-15.36	1,110.07	1,080.06	30.01	36.993	
4,300.00	4,261.78	4,094.81	4,003.31	16.81	18.29	20.600	847.57	-15.76	1,132.72	1,101.89	30.82	36.749	
4,400.00	4,361.78	4,165.59	4,071.85	17.12	18.67	20.258	865.23	-16.27	1,155.89	1,124.57	31.32	36.908	
4,500.00	4,461.78	4,255.83	4,158.92	17.43	19.15	19.865	888.92	-15.89	1,180.76	1,148.78	31.98	36.924	
4,600.00	4,561.78	4,394.22	4,293.22	17.75	19.87	19.352	922.28	-15.03	1,203.70	1,170.67	33.03	36.439	
4,700.00	4,661.78	4,486.18	4,382.87	18.06	20.33	19.072	942.69	-14.07	1,225.06	1,191.36	33.70	36.355	
4,800.00	4,761.72	4,823.74	4,710.42	18.37	21.44	-111.484	967.68	52.60	1,243.30	1,207.88	35.42	35.101	
4,900.00	4,860.16	5,024.96	4,891.93	18.65	21.65	-108.393	932.29	130.37	1,247.13	1,211.12	36.00	34.640	
5,000.00	4,954.18	5,150.26	4,991.71	18.88	21.68	-105.952	896.21	196.79	1,253.78	1,217.27	36.51	34.342	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 233H - Orig Hole - MWD surveys

Offset Site Error: 0.00 ft

Survey Program: 365-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
5,100.00	5,040.92	5,468.41	5,174.88	19.08	21.44	-99.493	747.92	405.93	1,253.97	1,216.23	37.74	33.229	
5,182.81	5,105.35	5,559.33	5,204.45	19.22	21.31	-97.375	692.98	472.03	1,251.95	1,213.23	38.72	32.333	
5,200.00	5,117.75	5,577.49	5,210.14	19.24	21.29	-96.980	682.00	485.32	1,252.00	1,213.06	38.94	32.155	
5,300.00	5,182.32	5,662.40	5,236.49	19.37	21.70	-95.269	630.89	547.79	1,254.54	1,214.36	40.19	31.218	
5,400.00	5,232.69	5,858.38	5,258.83	19.46	24.05	-91.519	503.55	694.00	1,256.06	1,213.23	42.84	29.323	
5,500.00	5,267.31	5,955.37	5,258.79	20.02	25.36	-90.052	437.11	764.66	1,255.49	1,210.62	44.87	27.978	
5,600.00	5,285.14	6,055.52	5,258.25	20.99	26.83	-89.235	368.13	837.26	1,255.05	1,207.80	47.25	26.564	
5,620.30	5,286.82	6,072.29	5,258.14	21.20	27.09	-89.168	356.61	849.45	1,255.02	1,207.30	47.72	26.301	
5,700.00	5,287.45	6,141.97	5,258.17	22.12	28.19	-89.142	309.07	900.40	1,255.29	1,205.59	49.70	25.256	
5,800.00	5,287.17	6,226.82	5,258.83	23.42	29.59	-89.184	251.78	962.98	1,256.57	1,204.17	52.40	23.982	
5,900.00	5,286.89	6,315.90	5,259.60	24.87	31.14	-89.231	192.39	1,029.35	1,258.98	1,203.59	55.38	22.733	
6,000.00	5,286.61	6,413.14	5,259.95	26.44	32.90	-89.261	127.89	1,102.12	1,261.87	1,203.18	58.69	21.500	
6,100.00	5,286.33	6,499.37	5,259.62	28.11	34.51	-89.259	70.95	1,166.89	1,265.20	1,203.22	61.99	20.411	
6,200.00	5,286.05	6,611.56	5,259.27	29.87	36.67	-89.260	-2.53	1,251.65	1,269.25	1,203.38	65.87	19.268	
6,300.00	5,285.77	6,751.15	5,258.78	31.71	39.41	-89.257	-95.97	1,355.34	1,271.55	1,201.20	70.35	18.075	
6,357.48	5,285.61	6,808.35	5,258.38	32.79	40.54	-89.246	-135.22	1,396.95	1,271.44	1,198.86	72.57	17.519	
6,400.00	5,285.49	6,843.18	5,258.19	33.60	41.24	-89.242	-158.99	1,422.41	1,271.57	1,197.46	74.10	17.160	
6,500.00	5,285.21	6,925.75	5,257.68	35.54	42.91	-89.230	-214.77	1,483.28	1,272.82	1,195.05	77.77	16.366	
6,600.00	5,284.94	7,017.55	5,258.52	37.53	44.81	-89.281	-275.79	1,551.86	1,275.49	1,193.81	81.68	15.615	
6,700.00	5,284.66	7,161.36	5,258.79	39.56	47.79	-89.311	-373.57	1,657.29	1,276.01	1,189.44	86.57	14.739	
6,800.00	5,284.38	7,258.34	5,260.41	41.61	49.81	-89.396	-440.74	1,727.23	1,274.90	1,184.23	90.68	14.060	
6,847.66	5,284.24	7,298.64	5,261.25	42.60	50.66	-89.438	-468.38	1,756.54	1,274.80	1,182.25	92.55	13.774	
6,900.00	5,284.10	7,338.00	5,261.99	43.70	51.49	-89.477	-495.29	1,785.27	1,274.92	1,180.39	94.53	13.488	
7,000.00	5,283.82	7,421.56	5,263.14	45.80	53.28	-89.540	-551.57	1,847.01	1,276.44	1,177.97	98.47	12.962	
7,100.00	5,283.54	7,516.90	5,263.31	47.93	55.34	-89.560	-615.07	1,918.13	1,278.97	1,176.29	102.68	12.456	
7,200.00	5,283.26	7,599.17	5,263.16	50.07	57.14	-89.564	-669.39	1,979.92	1,282.28	1,175.63	106.65	12.023	
7,300.00	5,282.98	7,705.18	5,263.09	52.23	59.47	-89.576	-738.53	2,060.28	1,286.69	1,175.55	111.14	11.577	
7,400.00	5,282.70	7,812.75	5,264.29	54.41	61.84	-89.644	-809.90	2,140.75	1,289.51	1,173.84	115.68	11.147	
7,500.00	5,282.42	7,952.05	5,265.04	56.59	64.90	-89.694	-903.96	2,243.48	1,290.73	1,169.91	120.82	10.683	
7,600.00	5,282.14	8,055.32	5,266.26	58.79	67.17	-89.761	-975.18	2,318.25	1,290.01	1,164.74	125.28	10.297	
7,618.71	5,282.09	8,070.00	5,266.48	59.20	67.49	-89.773	-985.25	2,328.93	1,289.98	1,163.95	126.03	10.235	
7,700.00	5,281.86	8,131.00	5,268.06	61.00	68.84	-89.851	-1,026.60	2,373.74	1,290.68	1,161.43	129.26	9.985	
7,800.00	5,281.58	8,215.65	5,270.36	63.21	70.73	-89.964	-1,083.17	2,436.68	1,292.88	1,159.48	133.40	9.691	
7,900.00	5,281.30	8,299.33	5,270.91	65.43	72.61	-89.998	-1,138.33	2,499.60	1,296.32	1,158.79	137.53	9.426	
8,000.00	5,281.03	8,467.00	5,269.95	67.66	76.37	-89.977	-1,250.15	2,624.47	1,299.36	1,156.06	143.30	9.067	
8,073.24	5,280.82	8,524.76	5,269.83	69.30	77.65	-89.978	-1,290.16	2,666.14	1,298.65	1,152.32	146.32	8.875	
8,100.00	5,280.75	8,540.45	5,269.82	69.90	78.00	-89.980	-1,300.85	2,677.61	1,298.76	1,151.44	147.32	8.816	
8,200.00	5,280.47	8,617.00	5,269.44	72.14	79.73	-89.973	-1,352.14	2,734.44	1,300.71	1,149.35	151.36	8.593	
8,300.00	5,280.19	8,712.28	5,268.31	74.39	81.89	-89.934	-1,415.29	2,805.78	1,303.66	1,147.88	155.78	8.369	
8,400.00	5,279.91	8,830.63	5,267.26	76.64	84.57	-89.903	-1,494.12	2,894.05	1,306.23	1,145.55	160.68	8.130	
8,500.00	5,279.63	8,970.88	5,264.52	78.90	87.71	-89.800	-1,590.68	2,995.71	1,305.44	1,139.56	165.88	7.870	
8,580.41	5,279.40	9,033.18	5,264.17	80.72	89.11	-89.792	-1,633.72	3,040.74	1,304.77	1,135.55	169.22	7.710	
8,600.00	5,279.35	9,049.54	5,264.16	81.16	89.48	-89.794	-1,644.92	3,052.68	1,304.78	1,134.73	170.05	7.673	
8,700.00	5,279.07	9,141.47	5,263.98	83.42	91.56	-89.797	-1,707.56	3,119.96	1,305.24	1,130.80	174.44	7.482	
8,800.00	5,278.79	9,233.09	5,263.44	85.69	93.63	-89.785	-1,769.52	3,187.44	1,306.38	1,127.56	178.83	7.305	
8,900.00	5,278.51	9,338.27	5,262.52	87.96	96.02	-89.758	-1,840.60	3,264.96	1,307.59	1,124.12	183.47	7.127	
9,000.00	5,278.23	9,429.50	5,263.33	90.23	98.10	-89.805	-1,902.14	3,332.30	1,308.97	1,121.11	187.86	6.968	
9,100.00	5,277.95	9,522.81	5,263.79	92.51	100.23	-89.836	-1,964.75	3,401.50	1,310.85	1,118.56	192.29	6.817	
9,200.00	5,277.67	9,628.94	5,263.72	94.79	102.66	-89.846	-2,035.79	3,480.34	1,312.94	1,115.96	196.98	6.665	
9,300.00	5,277.40	9,735.68	5,263.92	97.07	105.10	-89.868	-2,107.65	3,559.28	1,314.52	1,112.83	201.68	6.518	
9,400.00	5,277.12	9,865.18	5,264.10	99.35	108.04	-89.892	-2,196.52	3,653.46	1,314.20	1,107.46	206.74	6.357	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 233H - Orig Hole - MWD surveys

Offset Site Error: 0.00 ft

Survey Program: 365-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
9,500.00	5,276.84	9,957.00	5,265.38	101.64	110.13	-89.959	-2,259.80	3,719.97	1,313.58	1,102.40	211.18	6.220	
9,600.00	5,276.56	10,056.23	5,266.06	103.93	112.38	-90.001	-2,327.97	3,792.07	1,313.25	1,097.51	215.74	6.087	
9,661.07	5,276.39	10,112.87	5,266.82	105.32	113.67	-90.041	-2,366.85	3,833.25	1,313.11	1,094.65	218.46	6.011	
9,700.00	5,276.28	10,147.57	5,267.44	106.21	114.47	-90.072	-2,390.56	3,858.58	1,313.17	1,093.01	220.16	5.965	
9,800.00	5,276.00	10,242.77	5,268.36	108.50	116.64	-90.124	-2,455.30	3,928.37	1,313.81	1,089.15	224.66	5.848	
9,900.00	5,275.72	10,333.99	5,267.97	110.80	118.73	-90.118	-2,517.09	3,995.47	1,314.81	1,085.73	229.08	5.739	
10,000.00	5,275.44	10,430.84	5,267.97	113.09	120.96	-90.129	-2,582.50	4,066.89	1,316.09	1,082.48	233.61	5.634	
10,100.00	5,275.16	10,511.41	5,268.32	115.38	122.81	-90.154	-2,636.31	4,126.86	1,318.39	1,080.59	237.80	5.544	
10,200.00	5,274.88	10,596.67	5,268.32	117.68	124.79	-90.164	-2,692.38	4,191.09	1,322.04	1,079.99	242.05	5.462	
10,300.00	5,274.60	10,710.76	5,267.78	119.98	127.44	-90.154	-2,767.15	4,277.26	1,326.04	1,079.03	247.02	5.368	
10,400.00	5,274.32	10,812.00	5,267.45	122.28	129.78	-90.152	-2,834.36	4,352.97	1,328.86	1,077.20	251.66	5.280	
10,500.00	5,274.04	10,929.79	5,267.77	124.58	132.50	-90.179	-2,913.26	4,440.44	1,330.83	1,074.19	256.64	5.185	
10,600.00	5,273.77	11,094.00	5,269.30	126.88	136.25	-90.265	-3,026.10	4,559.69	1,330.73	1,068.59	262.14	5.076	
10,700.00	5,273.49	11,172.39	5,270.65	129.18	138.03	-90.333	-3,081.58	4,615.06	1,327.72	1,061.22	266.49	4.982	
10,738.83	5,273.38	11,191.00	5,271.09	130.07	138.45	-90.355	-3,094.45	4,628.49	1,327.38	1,059.39	267.99	4.953	
10,800.00	5,273.21	11,228.85	5,272.19	131.48	139.32	-90.406	-3,120.17	4,656.23	1,327.84	1,057.45	270.39	4.911	
10,900.00	5,272.93	11,310.45	5,274.48	133.78	141.21	-90.514	-3,174.26	4,717.28	1,330.69	1,056.10	274.59	4.846	
11,000.00	5,272.65	11,412.05	5,274.68	136.09	143.57	-90.534	-3,241.65	4,793.32	1,333.61	1,054.35	279.25	4.776	
11,100.00	5,272.37	11,498.31	5,273.66	138.39	145.57	-90.499	-3,298.47	4,858.22	1,337.11	1,053.57	283.54	4.716	
11,200.00	5,272.09	11,615.76	5,270.88	140.70	148.31	-90.393	-3,375.73	4,946.62	1,340.72	1,052.11	288.61	4.645	
11,300.00	5,271.81	11,731.67	5,270.01	143.00	150.99	-90.369	-3,453.38	5,032.68	1,342.71	1,049.14	293.57	4.574	
11,400.00	5,271.53	11,843.95	5,269.72	145.31	153.58	-90.369	-3,529.41	5,115.29	1,343.73	1,045.31	298.41	4.503	
11,500.00	5,271.25	11,938.51	5,269.03	147.62	155.76	-90.351	-3,593.57	5,184.75	1,344.57	1,041.63	302.94	4.438	
11,600.00	5,270.97	12,018.53	5,267.47	149.93	157.61	-90.294	-3,647.29	5,244.03	1,346.36	1,039.20	307.16	4.383	
11,700.00	5,270.69	12,068.00	5,266.34	152.24	158.76	-90.251	-3,680.23	5,280.92	1,349.83	1,039.45	310.38	4.349	SF
11,800.00	5,270.41	12,068.00	5,266.34	154.54	158.76	-90.251	-3,680.23	5,280.92	1,359.78	1,049.19	310.59	4.378	
11,900.00	5,270.13	12,068.00	5,266.34	156.80	158.76	-90.238	-3,680.23	5,280.92	1,383.45	1,074.70	308.75	4.481	
12,000.00	5,269.86	12,068.00	5,266.34	158.91	158.76	-90.232	-3,680.23	5,280.92	1,425.03	1,119.73	305.31	4.668	
12,100.00	5,269.58	12,068.00	5,266.34	160.85	158.76	-90.232	-3,680.23	5,280.92	1,482.43	1,181.42	301.02	4.925	
12,200.00	5,269.30	12,068.00	5,266.34	162.58	158.76	-90.242	-3,680.23	5,280.92	1,553.10	1,256.48	296.62	5.236	
12,300.00	5,269.02	12,068.00	5,266.34	164.08	158.76	-90.266	-3,680.23	5,280.92	1,634.34	1,341.66	292.68	5.584	
12,400.00	5,268.74	12,068.00	5,266.34	165.33	158.76	-90.183	-3,680.23	5,280.92	1,723.54	1,433.98	289.56	5.952	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 301H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.741	0.18	40.14	40.14				
100.00	100.00	100.00	100.00	0.27	0.27	89.741	0.18	40.14	40.14	39.59	0.55	73.189	
200.00	200.00	200.00	200.00	0.63	0.63	89.741	0.18	40.14	40.14	38.88	1.27	31.722	
300.00	300.00	300.00	300.00	0.99	0.99	89.741	0.18	40.14	40.14	38.16	1.98	20.249	
400.00	400.00	400.00	400.00	1.35	1.35	89.741	0.18	40.14	40.14	37.44	2.70	14.871	
500.00	500.00	500.00	500.00	1.71	1.71	89.741	0.18	40.14	40.14	36.73	3.42	11.750	
600.00	600.00	600.00	600.00	2.07	2.07	89.741	0.18	40.14	40.14	36.01	4.13	9.712	
700.00	700.00	700.00	700.00	2.43	2.43	89.741	0.18	40.14	40.14	35.29	4.85	8.276	
800.00	800.00	800.00	800.00	2.78	2.78	89.741	0.18	40.14	40.14	34.57	5.57	7.211	CC, ES
900.00	900.00	899.26	899.21	3.14	3.14	86.319	2.63	40.94	41.03	34.75	6.28	6.534	
1,000.00	1,000.00	997.98	997.62	3.50	3.50	77.086	9.93	43.31	44.50	37.51	6.99	6.370	SF
1,100.00	1,100.00	1,095.65	1,094.47	3.86	3.85	65.113	21.90	47.21	52.33	44.66	7.68	6.818	
1,200.00	1,200.00	1,191.79	1,189.05	4.22	4.22	53.930	38.26	52.53	65.90	57.57	8.33	7.908	
1,300.00	1,299.95	1,285.49	1,280.27	4.56	4.60	160.428	58.54	59.13	87.90	78.95	8.95	9.818	
1,400.00	1,399.63	1,375.44	1,366.78	4.90	5.00	155.408	82.00	66.76	119.82	110.28	9.54	12.558	
1,500.00	1,498.77	1,460.78	1,447.67	5.25	5.41	152.474	107.80	75.15	160.52	150.42	10.10	15.891	
1,600.00	1,597.25	1,541.15	1,522.69	5.62	5.83	151.003	135.23	84.07	208.48	197.84	10.64	19.598	
1,700.00	1,695.64	1,617.75	1,592.99	6.00	6.27	150.074	164.14	93.48	260.22	249.09	11.13	23.379	
1,800.00	1,794.04	1,690.76	1,658.81	6.40	6.72	149.264	194.16	103.24	315.15	303.55	11.60	27.167	
1,900.00	1,892.44	1,760.22	1,720.27	6.80	7.18	148.551	224.93	113.25	373.07	361.02	12.05	30.957	
2,000.00	1,990.83	1,826.21	1,777.54	7.21	7.65	147.920	256.11	123.40	433.77	421.29	12.48	34.760	
2,100.00	2,089.23	1,888.85	1,830.82	7.62	8.12	147.358	287.44	133.59	497.05	484.16	12.89	38.574	
2,200.00	2,187.63	1,952.74	1,884.07	8.05	8.63	146.823	320.99	144.50	562.63	549.29	13.34	42.175	
2,300.00	2,286.03	2,027.56	1,946.12	8.47	9.25	146.299	360.76	157.44	628.84	614.86	13.98	44.983	
2,400.00	2,384.42	2,102.39	2,008.17	8.90	9.88	145.874	400.52	170.37	695.08	680.45	14.63	47.518	
2,500.00	2,482.82	2,177.21	2,070.23	9.34	10.52	145.524	440.28	183.31	761.34	746.05	15.29	49.806	
2,600.00	2,581.22	2,252.04	2,132.28	9.77	11.18	145.229	480.05	196.24	827.61	811.66	15.95	51.882	
2,700.00	2,679.62	2,326.86	2,194.33	10.21	11.84	144.978	519.81	209.18	893.89	877.27	16.62	53.775	
2,800.00	2,778.01	2,401.69	2,256.38	10.66	12.51	144.762	559.57	222.11	960.18	942.88	17.30	55.504	
2,900.00	2,876.41	2,476.51	2,318.43	11.10	13.18	144.573	599.34	235.05	1,026.48	1,008.49	17.98	57.082	
3,000.00	2,974.81	2,551.34	2,380.48	11.55	13.86	144.407	639.10	247.98	1,092.78	1,074.11	18.67	58.532	
3,100.00	3,073.21	2,626.17	2,442.53	11.99	14.55	144.261	678.87	260.92	1,159.08	1,139.72	19.36	59.867	
3,200.00	3,171.60	2,700.99	2,504.58	12.44	15.24	144.130	718.63	273.86	1,225.39	1,205.34	20.06	61.099	
3,300.00	3,270.00	2,775.82	2,566.63	12.89	15.93	144.013	758.39	286.79	1,291.71	1,270.95	20.76	62.236	
3,400.00	3,368.40	2,850.64	2,628.68	13.34	16.62	143.907	798.16	299.73	1,358.02	1,336.57	21.46	63.291	
3,500.00	3,466.79	2,925.47	2,690.74	13.80	17.32	143.810	837.92	312.66	1,424.34	1,402.18	22.16	64.271	
3,600.00	3,565.19	3,000.29	2,752.79	14.25	18.02	143.723	877.68	325.60	1,490.66	1,467.79	22.87	65.184	
3,700.00	3,663.59	3,075.12	2,814.84	14.70	18.72	143.661	917.45	338.53	1,556.99	1,533.41	23.58	66.036	
3,800.00	3,762.42	3,151.30	2,878.02	15.14	19.43	144.998	957.94	351.70	1,621.67	1,597.38	24.29	66.773	
3,900.00	3,861.91	3,230.01	2,943.29	15.53	20.17	146.051	999.76	365.31	1,683.03	1,658.04	24.99	67.339	
4,000.00	3,961.78	3,311.02	3,010.47	15.88	20.94	146.863	1,042.81	379.31	1,740.95	1,715.25	25.70	67.736	
4,100.00	4,061.78	3,393.78	3,079.10	16.19	21.72	32.074	1,086.79	393.62	1,795.94	1,769.53	26.41	68.007	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 311H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.275	-0.09	-19.78	19.78				
100.00	100.00	100.00	100.00	0.27	0.27	-90.275	-0.09	-19.78	19.78	19.23	0.55	36.057	
200.00	200.00	200.00	200.00	0.63	0.63	-90.275	-0.09	-19.78	19.78	18.51	1.27	15.628	
300.00	300.00	300.00	300.00	0.99	0.99	-90.275	-0.09	-19.78	19.78	17.79	1.98	9.976	
400.00	400.00	400.00	400.00	1.35	1.35	-90.275	-0.09	-19.78	19.78	17.08	2.70	7.326	
500.00	500.00	500.00	500.00	1.71	1.71	-90.275	-0.09	-19.78	19.78	16.36	3.42	5.789	
600.00	600.00	600.00	600.00	2.07	2.07	-90.275	-0.09	-19.78	19.78	15.64	4.13	4.785	
700.00	700.00	700.00	700.00	2.43	2.43	-90.275	-0.09	-19.78	19.78	14.93	4.85	4.077	
800.00	800.00	800.00	800.00	2.78	2.78	-90.275	-0.09	-19.78	19.78	14.21	5.57	3.552	
900.00	900.00	900.00	900.00	3.14	3.14	-90.275	-0.09	-19.78	19.78	13.49	6.28	3.147	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-90.275	-0.09	-19.78	19.78	12.77	7.00	2.825	CC, ES
1,100.00	1,100.00	1,099.69	1,099.65	3.86	3.84	-97.412	-2.64	-20.31	20.48	12.78	7.70	2.660	SF
1,200.00	1,200.00	1,198.85	1,198.49	4.22	4.17	-115.035	-10.22	-21.88	24.20	15.83	8.37	2.892	
1,300.00	1,299.95	1,297.13	1,295.93	4.56	4.50	-19.411	-22.68	-24.47	31.15	22.16	8.99	3.465	
1,400.00	1,399.63	1,394.37	1,391.58	4.90	4.85	-36.992	-39.82	-28.04	40.79	31.23	9.56	4.268	
1,500.00	1,498.77	1,492.81	1,487.86	5.25	5.23	-51.767	-59.90	-32.22	52.35	42.13	10.22	5.122	
1,600.00	1,597.25	1,591.28	1,584.16	5.62	5.63	-64.267	-79.99	-36.40	64.19	53.25	10.94	5.867	
1,700.00	1,695.64	1,689.73	1,680.45	6.00	6.04	-73.053	-100.08	-40.58	78.01	66.30	11.71	6.664	
1,800.00	1,794.04	1,788.18	1,776.74	6.40	6.46	-79.123	-120.17	-44.76	93.09	80.60	12.49	7.451	
1,900.00	1,892.44	1,886.63	1,873.03	6.80	6.89	-83.477	-140.27	-48.94	108.91	95.61	13.30	8.191	
2,000.00	1,990.83	1,985.08	1,969.31	7.21	7.33	-86.718	-160.36	-53.12	125.19	111.07	14.11	8.871	
2,100.00	2,089.23	2,083.53	2,065.60	7.62	7.77	-89.210	-180.45	-57.30	141.77	126.83	14.94	9.490	
2,200.00	2,187.63	2,181.98	2,161.89	8.05	8.22	-91.179	-200.54	-61.48	158.55	142.78	15.77	10.051	
2,300.00	2,286.03	2,280.43	2,258.17	8.47	8.67	-92.770	-220.63	-65.66	175.49	158.87	16.62	10.560	
2,400.00	2,384.42	2,378.88	2,354.46	8.90	9.13	-94.081	-240.72	-69.84	192.53	175.06	17.47	11.022	
2,500.00	2,482.82	2,477.33	2,450.75	9.34	9.59	-95.178	-260.81	-74.02	209.65	191.33	18.32	11.442	
2,600.00	2,581.22	2,575.78	2,547.04	9.77	10.06	-96.110	-280.90	-78.20	226.84	207.66	19.18	11.825	
2,700.00	2,679.62	2,674.23	2,643.32	10.21	10.52	-96.910	-301.00	-82.38	244.08	224.03	20.05	12.174	
2,800.00	2,778.01	2,772.68	2,739.61	10.66	10.99	-97.605	-321.09	-86.56	261.35	240.44	20.92	12.495	
2,900.00	2,876.41	2,871.13	2,835.90	11.10	11.46	-98.214	-341.18	-90.74	278.66	256.88	21.79	12.789	
3,000.00	2,974.81	2,969.58	2,932.19	11.55	11.93	-98.751	-361.27	-94.92	296.00	273.34	22.66	13.060	
3,100.00	3,073.21	3,068.03	3,028.47	11.99	12.41	-99.229	-381.36	-99.11	313.36	289.82	23.54	13.310	
3,200.00	3,171.60	3,166.48	3,124.76	12.44	12.88	-99.657	-401.45	-103.29	330.74	306.32	24.42	13.542	
3,300.00	3,270.00	3,264.93	3,221.05	12.89	13.36	-100.042	-421.54	-107.47	348.14	322.83	25.31	13.757	
3,400.00	3,368.40	3,363.38	3,317.33	13.34	13.84	-100.390	-441.64	-111.65	365.55	339.36	26.19	13.957	
3,500.00	3,466.79	3,461.83	3,413.62	13.80	14.31	-100.707	-461.73	-115.83	382.97	355.89	27.08	14.144	
3,600.00	3,565.19	3,560.28	3,509.91	14.25	14.79	-100.996	-481.82	-120.01	400.40	372.43	27.96	14.318	
3,700.00	3,663.59	3,658.73	3,606.20	14.70	15.27	-101.267	-501.91	-124.19	417.84	388.98	28.85	14.481	
3,800.00	3,762.42	3,757.27	3,702.57	15.14	15.75	-101.665	-522.02	-128.37	434.76	405.05	29.71	14.632	
3,900.00	3,861.91	3,855.82	3,798.95	15.53	16.23	-101.381	-542.13	-132.56	450.68	420.16	30.51	14.770	
4,000.00	3,961.78	3,954.09	3,895.07	15.88	16.71	-100.492	-562.19	-136.73	465.74	434.49	31.25	14.904	
4,100.00	4,061.78	4,051.95	3,990.77	16.19	17.19	146.279	-582.16	-140.88	480.37	448.44	31.92	15.049	
4,200.00	4,161.78	4,149.75	4,086.43	16.50	17.67	147.980	-602.12	-145.04	495.37	462.78	32.58	15.203	
4,300.00	4,261.78	4,251.57	4,186.03	16.81	18.17	149.638	-622.79	-149.34	510.71	477.43	33.28	15.345	
4,400.00	4,361.78	4,375.54	4,308.26	17.12	18.73	151.159	-642.97	-153.54	523.28	489.13	34.15	15.323	
4,500.00	4,461.78	4,501.74	4,433.78	17.43	19.22	152.059	-655.49	-156.14	531.05	496.11	34.94	15.198	
4,600.00	4,561.78	4,629.08	4,561.03	17.75	19.63	152.365	-659.87	-157.05	533.76	498.13	35.63	14.981	
4,700.00	4,661.78	4,729.83	4,661.78	18.06	19.91	152.366	-659.87	-157.06	533.76	497.52	36.24	14.727	
4,800.00	4,761.72	5,131.04	5,041.60	18.37	20.62	24.019	-583.62	-226.56	515.56	484.25	31.30	16.469	
4,900.00	4,860.16	5,408.76	5,223.27	18.65	20.61	62.454	-431.17	-365.53	431.27	409.54	21.73	19.847	
5,000.00	4,954.18	5,437.95	5,236.03	18.88	20.60	94.424	-411.77	-383.21	339.68	317.93	21.75	15.620	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 28 T23N R07W North Alamito 4 301 311&312 - North Alamito Unit 311H - Original Hole - rev1

Offset Site Error: 0.00 ft

Survey Program: 0-MWD

Offset Well Error: 0.00 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	5,040.92	5,423.72	5,229.98	19.08	20.61	105.490	-421.29	-374.53	254.45	230.12	24.32	10.461	
5,200.00	5,117.75	5,394.20	5,216.41	19.24	20.62	104.407	-440.66	-356.88	186.31	156.45	29.86	6.239	
5,300.00	5,182.32	5,357.61	5,197.76	19.37	20.63	95.112	-463.92	-335.68	155.39	118.32	37.06	4.193	
5,308.21	5,187.02	5,354.41	5,196.03	19.37	20.63	94.038	-465.91	-333.86	155.20	117.75	37.45	4.144	
5,400.00	5,232.69	5,317.19	5,174.85	19.46	20.64	79.643	-488.53	-313.24	176.34	138.52	37.82	4.663	
5,500.00	5,267.31	5,274.45	5,148.15	20.02	20.65	62.133	-513.18	-290.77	230.40	194.56	35.84	6.429	
5,600.00	5,285.14	5,230.21	5,117.98	20.99	20.65	47.301	-537.07	-268.99	295.40	260.19	35.21	8.389	
5,700.00	5,287.45	5,185.82	5,085.29	22.12	20.64	39.052	-559.25	-248.78	362.32	326.73	35.59	10.180	
5,800.00	5,287.17	5,150.00	5,057.27	23.42	20.63	35.773	-575.74	-233.74	434.75	398.45	36.31	11.975	
5,900.00	5,286.89	5,114.66	5,028.32	24.87	20.61	32.878	-590.71	-220.10	512.33	475.52	36.81	13.918	
6,000.00	5,286.61	5,086.83	5,004.68	26.44	20.59	30.818	-601.55	-210.22	593.84	556.49	37.35	15.898	
6,100.00	5,286.33	5,050.00	4,972.34	28.11	20.56	28.361	-614.58	-198.35	678.64	641.10	37.54	18.078	
6,200.00	5,286.05	5,050.00	4,972.34	29.87	20.56	28.361	-614.58	-198.35	765.36	727.00	38.35	19.955	
6,300.00	5,285.77	5,024.22	4,949.06	31.71	20.53	26.808	-622.77	-190.88	854.04	815.49	38.54	22.157	
6,400.00	5,285.49	5,000.00	4,926.76	33.60	20.50	25.463	-629.75	-184.52	944.41	905.70	38.71	24.396	
6,500.00	5,285.21	5,000.00	4,926.76	35.54	20.50	25.463	-629.75	-184.52	1,035.87	996.74	39.12	26.477	
6,600.00	5,284.94	4,981.97	4,909.91	37.53	20.47	24.526	-634.49	-180.20	1,128.35	1,089.09	39.26	28.742	
6,700.00	5,284.66	4,970.86	4,899.43	39.56	20.45	23.975	-637.21	-177.71	1,221.72	1,182.30	39.43	30.986	
6,800.00	5,284.38	4,950.00	4,879.57	41.61	20.42	22.992	-641.92	-173.42	1,315.96	1,276.47	39.49	33.327	
6,900.00	5,284.10	4,950.00	4,879.57	43.70	20.42	22.992	-641.92	-173.42	1,410.51	1,370.82	39.69	35.538	
7,000.00	5,283.82	4,950.00	4,879.57	45.80	20.42	22.992	-641.92	-173.42	1,505.77	1,465.91	39.86	37.777	
7,100.00	5,283.54	4,950.00	4,879.57	47.93	20.42	22.992	-641.92	-173.42	1,601.60	1,561.60	40.00	40.039	
7,200.00	5,283.26	4,929.40	4,859.74	50.07	20.39	22.081	-646.04	-169.66	1,697.43	1,657.42	40.01	42.429	
7,300.00	5,282.98	4,923.14	4,853.68	52.23	20.37	21.816	-647.19	-168.62	1,793.82	1,753.73	40.09	44.749	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 34 T23N R07W - Federal B #003 - Orig Hole - Inc only surveys

Offset Site Error: 0.00 ft

Survey Program: 1246-INC-ONLY

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
9,500.00	5,276.84	5,273.29	5,272.34	101.64	212.65	90.346	-4,845.70	3,474.17	1,759.58	1,505.01	254.56	6.912	
9,600.00	5,276.56	5,273.01	5,272.06	103.93	212.65	90.324	-4,845.70	3,474.17	1,669.36	1,412.04	257.32	6.487	
9,700.00	5,276.28	5,272.73	5,271.78	106.21	212.65	90.302	-4,845.70	3,474.17	1,580.32	1,319.89	260.43	6.068	
9,800.00	5,276.00	5,272.45	5,271.50	108.50	212.64	90.281	-4,845.70	3,474.17	1,492.68	1,228.74	263.94	5.655	
9,900.00	5,275.72	5,272.17	5,271.22	110.80	212.64	90.259	-4,845.70	3,474.17	1,406.68	1,138.79	267.89	5.251	
10,000.00	5,275.44	5,271.89	5,270.94	113.09	212.63	90.237	-4,845.70	3,474.17	1,322.65	1,050.28	272.37	4.856	
10,100.00	5,275.16	5,271.61	5,270.66	115.38	212.63	90.216	-4,845.70	3,474.17	1,240.99	963.56	277.43	4.473	
10,200.00	5,274.88	5,271.34	5,270.38	117.68	212.62	90.194	-4,845.70	3,474.17	1,162.21	879.05	283.15	4.105	
10,300.00	5,274.60	5,271.06	5,270.10	119.98	212.62	90.172	-4,845.70	3,474.17	1,086.92	797.31	289.61	3.753	
10,400.00	5,274.32	5,270.78	5,269.82	122.28	212.61	90.151	-4,845.70	3,474.17	1,015.90	719.06	296.83	3.422	
10,500.00	5,274.04	5,270.50	5,269.54	124.58	212.61	90.129	-4,845.70	3,474.17	950.11	645.27	304.84	3.117	
10,600.00	5,273.77	5,270.22	5,269.27	126.88	212.61	90.107	-4,845.70	3,474.17	890.71	577.19	313.52	2.841	
10,700.00	5,273.49	5,269.94	5,268.99	129.18	212.60	90.086	-4,845.70	3,474.17	839.06	516.43	322.63	2.601	
10,800.00	5,273.21	5,269.66	5,268.71	131.48	212.60	90.064	-4,845.70	3,474.17	796.67	464.95	331.72	2.402	
10,900.00	5,272.93	5,269.38	5,268.43	133.78	212.59	90.043	-4,845.70	3,474.17	765.08	425.02	340.05	2.250	
11,000.00	5,272.65	5,269.10	5,268.15	136.09	212.59	90.021	-4,845.70	3,474.17	745.65	398.91	346.74	2.150	
11,096.71	5,272.38	5,268.83	5,267.88	138.32	212.58	90.000	-4,845.70	3,474.17	739.36	388.51	350.85	2.107	CC
11,100.00	5,272.37	5,268.82	5,267.87	138.39	212.58	89.999	-4,845.70	3,474.17	739.36	388.42	350.94	2.107	ES, SF
11,200.00	5,272.09	5,268.54	5,267.59	140.70	212.58	89.978	-4,845.70	3,474.17	746.54	394.37	352.17	2.120	
11,300.00	5,271.81	5,268.26	5,267.31	143.00	212.57	89.956	-4,845.70	3,474.17	766.79	416.29	350.50	2.188	
11,400.00	5,271.53	5,267.98	5,267.03	145.31	212.57	89.934	-4,845.70	3,474.17	799.14	452.61	346.53	2.306	
11,500.00	5,271.25	5,267.70	5,266.75	147.62	212.57	89.913	-4,845.70	3,474.17	842.19	501.14	341.05	2.469	
11,600.00	5,270.97	5,267.43	5,266.47	149.93	212.56	89.891	-4,845.70	3,474.17	894.40	559.59	334.81	2.671	
11,700.00	5,270.69	5,267.15	5,266.19	152.24	212.56	89.869	-4,845.70	3,474.17	954.26	625.87	328.39	2.906	
11,800.00	5,270.41	5,266.87	5,265.91	154.54	212.55	89.850	-4,845.70	3,474.17	1,020.41	698.28	322.13	3.168	
11,900.00	5,270.13	5,266.59	5,265.63	156.80	212.55	89.864	-4,845.70	3,474.17	1,086.98	771.20	315.78	3.442	
12,000.00	5,269.86	5,266.31	5,265.36	158.91	212.54	89.878	-4,845.70	3,474.17	1,149.59	840.57	309.01	3.720	
12,100.00	5,269.58	5,266.03	5,265.08	160.85	212.54	89.891	-4,845.70	3,474.17	1,207.98	906.12	301.86	4.002	
12,200.00	5,269.30	5,265.75	5,264.80	162.58	212.54	89.903	-4,845.70	3,474.17	1,261.93	967.58	294.35	4.287	
12,300.00	5,269.02	5,265.47	5,264.52	164.08	212.53	89.915	-4,845.70	3,474.17	1,311.24	1,024.68	286.55	4.576	
12,400.00	5,268.74	5,265.19	5,264.24	165.33	212.53	89.900	-4,845.70	3,474.17	1,355.70	1,077.16	278.53	4.867	
12,500.00	5,267.45	5,263.90	5,262.95	166.35	212.51	89.536	-4,845.70	3,474.17	1,395.42	1,125.00	270.42	5.160	
12,600.00	5,265.54	5,262.00	5,261.04	167.30	212.48	89.451	-4,845.70	3,474.17	1,437.47	1,174.71	262.76	5.471	
12,700.00	5,263.64	5,260.09	5,259.14	168.25	212.45	89.365	-4,845.70	3,474.17	1,485.08	1,229.13	255.95	5.802	
12,800.00	5,261.73	5,258.18	5,257.23	169.21	212.42	89.280	-4,845.70	3,474.17	1,537.72	1,287.59	250.13	6.148	
12,900.00	5,259.82	5,256.27	5,255.32	170.19	212.39	89.195	-4,845.70	3,474.17	1,594.90	1,349.48	245.42	6.499	
13,000.00	5,257.91	5,254.37	5,253.41	171.17	212.36	89.110	-4,845.70	3,474.17	1,656.14	1,414.30	241.85	6.848	
13,100.00	5,256.01	5,252.46	5,251.51	172.16	212.33	89.025	-4,845.70	3,474.17	1,721.02	1,481.62	239.40	7.189	
13,200.00	5,254.10	5,250.55	5,249.60	173.16	212.30	88.940	-4,845.70	3,474.17	1,789.13	1,551.16	237.98	7.518	

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 34 T23N R07W - Federal B #005 - Orig Hole - Inc only

Offset Site Error: 0.00 ft

Survey Program: 2001-INC-ONLY

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
5,600.00	5,285.14	5,226.72	5,226.64	20.99	362.59	74.819	-2,118.17	813.24	1,784.40	1,402.34	382.06	4.670	
5,700.00	5,287.45	5,229.03	5,228.95	22.12	362.69	90.443	-2,118.17	813.24	1,690.08	1,307.89	382.19	4.422	
5,800.00	5,287.17	5,228.75	5,228.67	23.42	362.68	90.416	-2,118.17	813.24	1,596.38	1,214.12	382.25	4.176	
5,900.00	5,286.89	5,228.47	5,228.39	24.87	362.66	90.388	-2,118.17	813.24	1,503.49	1,121.09	382.40	3.932	
6,000.00	5,286.61	5,228.19	5,228.11	26.44	362.65	90.360	-2,118.17	813.24	1,411.56	1,028.92	382.65	3.689	
6,100.00	5,286.33	5,227.91	5,227.83	28.11	362.64	90.332	-2,118.17	813.24	1,320.82	937.78	383.03	3.448	
6,200.00	5,286.05	5,227.63	5,227.55	29.87	362.63	90.304	-2,118.17	813.24	1,231.50	847.89	383.61	3.210	
6,300.00	5,285.77	5,227.35	5,227.27	31.71	362.61	90.276	-2,118.17	813.24	1,143.96	759.54	384.42	2.976	
6,400.00	5,285.49	5,227.07	5,226.99	33.60	362.60	90.248	-2,118.17	813.24	1,058.62	673.09	385.53	2.746	
6,500.00	5,285.21	5,226.79	5,226.71	35.54	362.59	90.220	-2,118.17	813.24	976.07	589.05	387.03	2.522	
6,600.00	5,284.94	5,226.51	5,226.44	37.53	362.58	90.192	-2,118.17	813.24	897.09	508.09	388.99	2.306	
6,700.00	5,284.66	5,226.24	5,226.16	39.56	362.56	90.165	-2,118.17	813.24	822.68	431.17	391.51	2.101	
6,800.00	5,284.38	5,225.96	5,225.88	41.61	362.55	90.137	-2,118.17	813.24	754.22	359.56	394.66	1.911	Level 3<2.00
6,900.00	5,284.10	5,225.68	5,225.60	43.70	362.54	90.109	-2,118.17	813.24	693.46	295.02	398.44	1.740	Level 3<2.00
7,000.00	5,283.82	5,225.40	5,225.32	45.80	362.53	90.081	-2,118.17	813.24	642.59	239.85	402.74	1.596	Level 3<2.00
7,100.00	5,283.54	5,225.12	5,225.04	47.93	362.51	90.053	-2,118.17	813.24	604.12	196.87	407.25	1.483	Level 3<2.00
7,200.00	5,283.26	5,224.84	5,224.76	50.07	362.50	90.025	-2,118.17	813.24	580.52	169.08	411.44	1.411	Level 3<2.00
7,289.80	5,283.01	5,224.59	5,224.51	52.01	362.49	90.000	-2,118.17	813.24	573.54	159.14	414.40	1.384	Level 3<2.00, CC
7,300.00	5,282.98	5,224.56	5,224.48	52.23	362.49	89.997	-2,118.17	813.24	573.63	158.96	414.67	1.383	Level 3<2.00, ES, SF
7,400.00	5,282.70	5,224.28	5,224.20	54.41	362.48	89.969	-2,118.17	813.24	584.03	167.57	416.46	1.402	Level 3<2.00
7,500.00	5,282.42	5,224.00	5,223.92	56.59	362.47	89.941	-2,118.17	813.24	610.84	194.07	416.77	1.466	Level 3<2.00
7,600.00	5,282.14	5,223.72	5,223.64	58.79	362.45	89.913	-2,118.17	813.24	652.05	236.13	415.92	1.568	Level 3<2.00
7,700.00	5,281.86	5,223.44	5,223.36	61.00	362.44	89.886	-2,118.17	813.24	705.13	290.76	414.37	1.702	Level 3<2.00
7,800.00	5,281.58	5,223.16	5,223.08	63.21	362.43	89.858	-2,118.17	813.24	767.62	355.13	412.49	1.861	Level 3<2.00
7,900.00	5,281.30	5,222.88	5,222.80	65.43	362.42	89.830	-2,118.17	813.24	837.43	426.87	410.56	2.040	
8,000.00	5,281.03	5,222.61	5,222.53	67.66	362.40	89.802	-2,118.17	813.24	912.87	504.16	408.71	2.234	
8,100.00	5,280.75	5,222.33	5,222.25	69.90	362.39	89.774	-2,118.17	813.24	992.66	585.65	407.00	2.439	
8,200.00	5,280.47	5,222.05	5,221.97	72.14	362.38	89.746	-2,118.17	813.24	1,075.83	670.36	405.46	2.653	
8,300.00	5,280.19	5,221.77	5,221.69	74.39	362.37	89.718	-2,118.17	813.24	1,161.66	757.56	404.09	2.875	
8,400.00	5,279.91	5,221.49	5,221.41	76.64	362.35	89.690	-2,118.17	813.24	1,249.59	846.72	402.87	3.102	
8,500.00	5,279.63	5,221.21	5,221.13	78.90	362.34	89.662	-2,118.17	813.24	1,339.22	937.43	401.79	3.333	
8,600.00	5,279.35	5,220.93	5,220.85	81.16	362.33	89.634	-2,118.17	813.24	1,430.23	1,029.40	400.83	3.568	
8,700.00	5,279.07	5,220.65	5,220.57	83.42	362.32	89.607	-2,118.17	813.24	1,522.37	1,122.39	399.97	3.806	
8,800.00	5,278.79	5,220.37	5,220.29	85.69	362.30	89.579	-2,118.17	813.24	1,615.44	1,216.23	399.21	4.047	
8,900.00	5,278.51	5,220.09	5,220.01	87.96	362.29	89.551	-2,118.17	813.24	1,709.29	1,310.76	398.53	4.289	
9,000.00	5,278.23	5,219.81	5,219.73	90.23	362.28	89.523	-2,118.17	813.24	1,803.80	1,405.90	397.91	4.533	

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

ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Offset Design: Sec 34 T23N R07W - Federal B L #002 - Orig Hole - Inc only surveys

Offset Site Error: 0.00 ft

Survey Program: 1007-INC-ONLY

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
8,200.00	5,280.47	5,247.20	5,246.97	72.14	163.24	-90.631	-3,173.86	3,404.34	1,754.87	1,564.04	190.83	9.196	
8,300.00	5,280.19	5,246.92	5,246.69	74.39	163.24	-90.594	-3,173.86	3,404.34	1,658.12	1,466.24	191.88	8.641	
8,400.00	5,279.91	5,246.64	5,246.41	76.64	163.23	-90.557	-3,173.86	3,404.34	1,561.78	1,368.69	193.09	8.088	
8,500.00	5,279.63	5,246.36	5,246.13	78.90	163.23	-90.520	-3,173.86	3,404.34	1,465.93	1,271.44	194.49	7.537	
8,600.00	5,279.35	5,246.08	5,245.85	81.16	163.23	-90.483	-3,173.86	3,404.34	1,370.67	1,174.54	196.13	6.989	
8,700.00	5,279.07	5,245.80	5,245.57	83.42	163.22	-90.446	-3,173.86	3,404.34	1,276.14	1,078.09	198.05	6.443	
8,800.00	5,278.79	5,245.52	5,245.29	85.69	163.22	-90.408	-3,173.86	3,404.34	1,182.51	982.18	200.32	5.903	
8,900.00	5,278.51	5,245.24	5,245.01	87.96	163.21	-90.371	-3,173.86	3,404.34	1,090.00	886.98	203.03	5.369	
9,000.00	5,278.23	5,244.96	5,244.73	90.23	163.21	-90.334	-3,173.86	3,404.34	998.95	792.67	206.28	4.843	
9,100.00	5,277.95	5,244.68	5,244.45	92.51	163.21	-90.297	-3,173.86	3,404.34	909.77	699.55	210.22	4.328	
9,200.00	5,277.67	5,244.40	5,244.17	94.79	163.20	-90.260	-3,173.86	3,404.34	823.09	608.05	215.04	3.828	
9,300.00	5,277.40	5,244.13	5,243.90	97.07	163.20	-90.223	-3,173.86	3,404.34	739.77	518.80	220.97	3.348	
9,400.00	5,277.12	5,243.85	5,243.62	99.35	163.20	-90.186	-3,173.86	3,404.34	661.10	432.83	228.27	2.896	
9,500.00	5,276.84	5,243.57	5,243.34	101.64	163.19	-90.149	-3,173.86	3,404.34	588.93	351.74	237.19	2.483	
9,600.00	5,276.56	5,243.29	5,243.06	103.93	163.19	-90.112	-3,173.86	3,404.34	525.96	278.26	247.70	2.123	
9,700.00	5,276.28	5,243.01	5,242.78	106.21	163.18	-90.075	-3,173.86	3,404.34	475.83	216.79	259.05	1.837	Level 3<2.00
9,800.00	5,276.00	5,242.73	5,242.50	108.50	163.18	-90.037	-3,173.86	3,404.34	442.95	173.97	268.98	1.647	Level 3<2.00
9,900.00	5,275.72	5,242.45	5,242.22	110.80	163.18	-90.000	-3,173.86	3,404.34	431.27	157.35	273.92	1.574	Level 3<2.00, CC
9,904.45	5,275.71	5,242.44	5,242.21	110.90	163.18	-89.999	-3,173.86	3,404.34	431.28	157.31	273.97	1.574	Level 3<2.00, ES, SF
10,000.00	5,275.44	5,242.17	5,241.94	113.09	163.17	-89.963	-3,173.86	3,404.34	442.47	170.88	271.59	1.629	Level 3<2.00
10,100.00	5,275.16	5,241.89	5,241.66	115.38	163.17	-89.926	-3,173.86	3,404.34	474.94	211.30	263.64	1.801	Level 3<2.00
10,200.00	5,274.88	5,241.61	5,241.38	117.68	163.17	-89.889	-3,173.86	3,404.34	524.74	271.17	253.57	2.069	
10,300.00	5,274.60	5,241.33	5,241.10	119.98	163.16	-89.852	-3,173.86	3,404.34	587.49	343.65	243.84	2.409	
10,400.00	5,274.32	5,241.05	5,240.82	122.28	163.16	-89.815	-3,173.86	3,404.34	659.49	424.10	235.39	2.802	
10,500.00	5,274.04	5,240.77	5,240.54	124.58	163.16	-89.778	-3,173.86	3,404.34	738.05	509.67	228.38	3.232	
10,600.00	5,273.77	5,240.49	5,240.27	126.88	163.15	-89.741	-3,173.86	3,404.34	821.28	598.64	222.64	3.689	
10,700.00	5,273.49	5,240.22	5,239.99	129.18	163.15	-89.704	-3,173.86	3,404.34	907.90	689.96	217.94	4.166	
10,800.00	5,273.21	5,239.94	5,239.71	131.48	163.14	-89.666	-3,173.86	3,404.34	997.03	782.96	214.08	4.657	
10,900.00	5,272.93	5,239.66	5,239.43	133.78	163.14	-89.629	-3,173.86	3,404.34	1,088.05	877.18	210.88	5.160	
11,000.00	5,272.65	5,239.38	5,239.15	136.09	163.14	-89.592	-3,173.86	3,404.34	1,180.53	972.33	208.20	5.670	
11,100.00	5,272.37	5,239.10	5,238.87	138.39	163.13	-89.555	-3,173.86	3,404.34	1,274.14	1,068.19	205.95	6.187	
11,200.00	5,272.09	5,238.82	5,238.59	140.70	163.13	-89.518	-3,173.86	3,404.34	1,368.66	1,164.62	204.03	6.708	
11,300.00	5,271.81	5,238.54	5,238.31	143.00	163.13	-89.481	-3,173.86	3,404.34	1,463.90	1,261.51	202.39	7.233	
11,400.00	5,271.53	5,238.26	5,238.03	145.31	163.12	-89.444	-3,173.86	3,404.34	1,559.74	1,358.76	200.98	7.761	
11,500.00	5,271.25	5,237.98	5,237.75	147.62	163.12	-89.407	-3,173.86	3,404.34	1,656.07	1,456.31	199.76	8.290	
11,600.00	5,270.97	5,237.70	5,237.47	149.93	163.11	-89.370	-3,173.86	3,404.34	1,752.81	1,554.12	198.69	8.822	

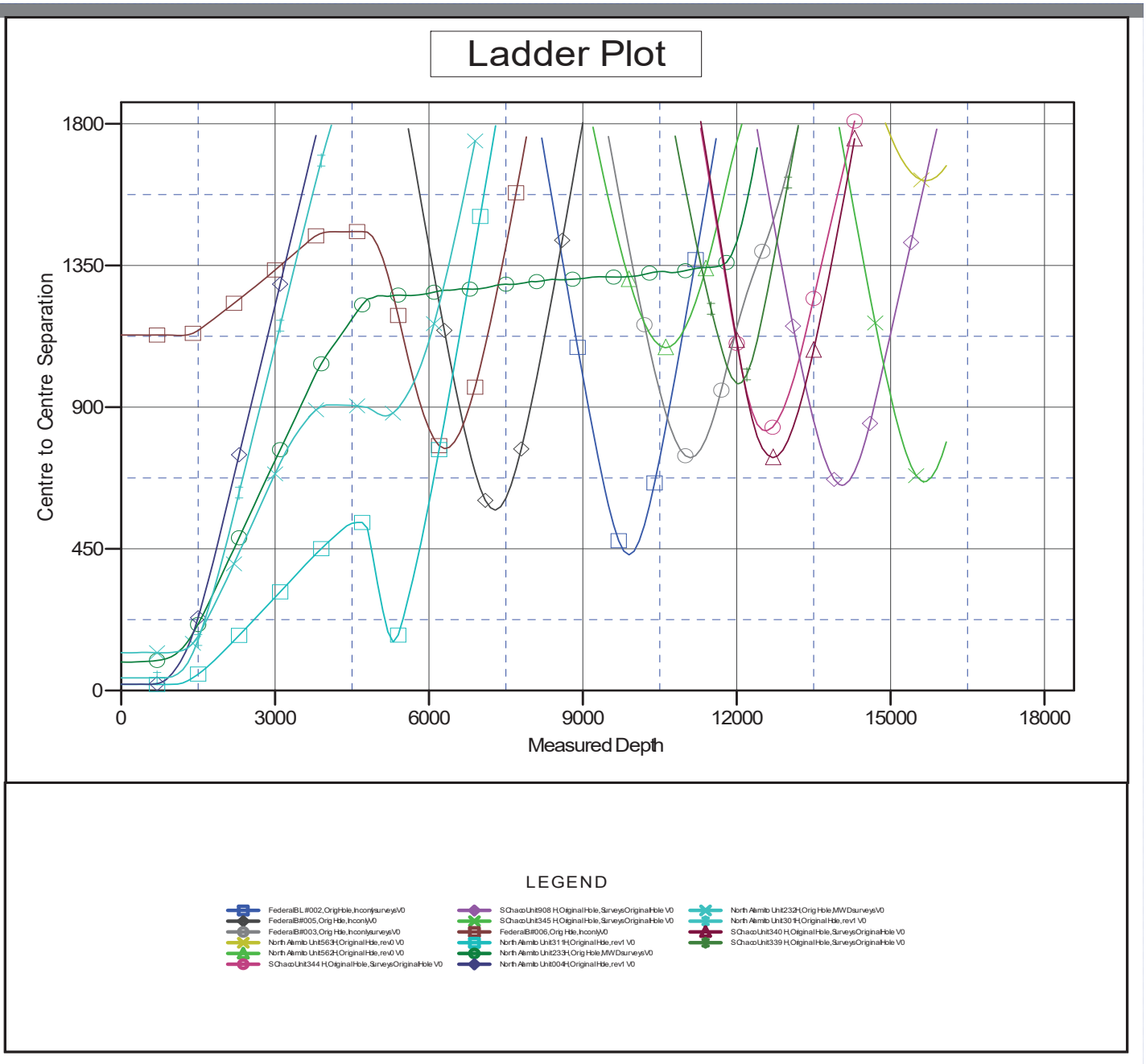
ENDURING RESOURCES, LLC

Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB=6946+23.5 @ 6969.50ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.25000000

Coordinates are relative to: North Alamito Unit 312H
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.780°



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

ENDURING RESOURCES, LLC

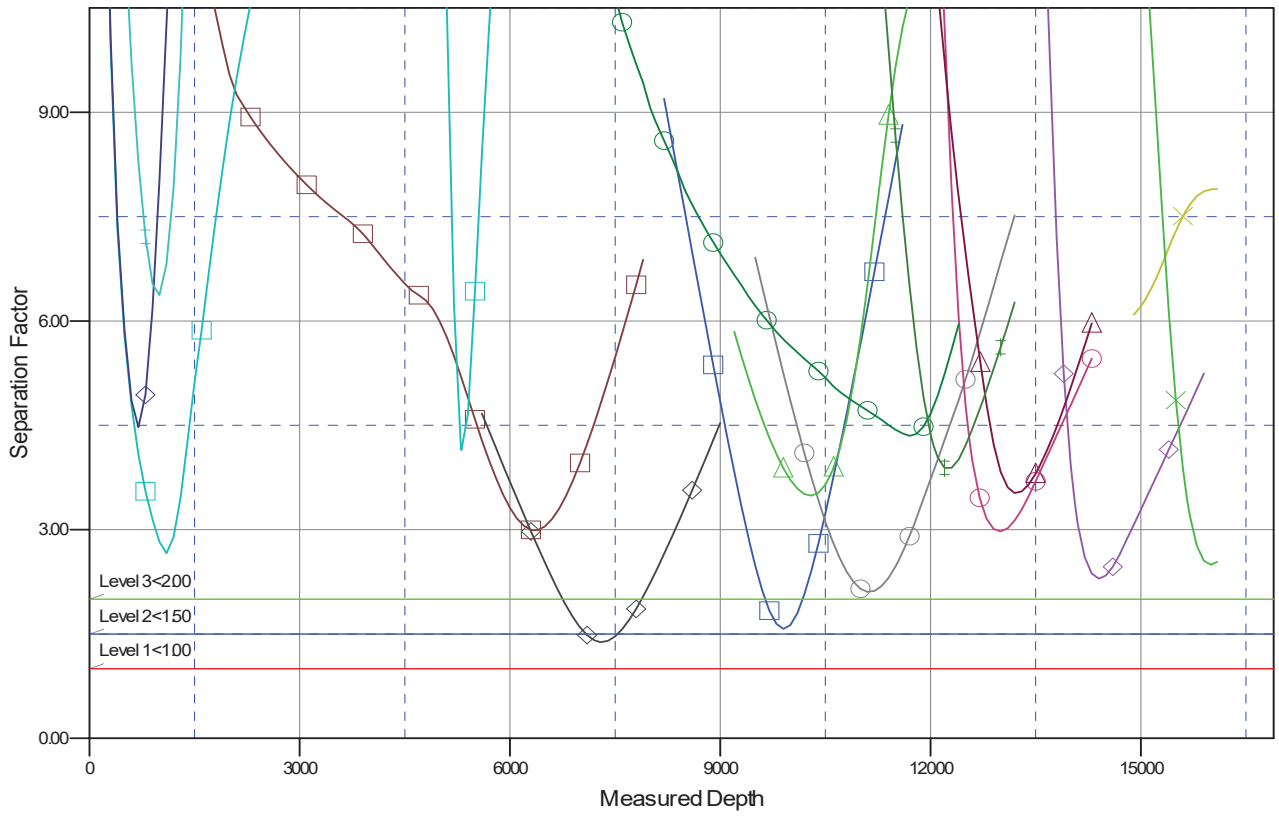
Anticollision Report

Company:	Enduring Resources LLC	**Local Co-ordinate Reference:**	Well North Alamito Unit 312H
Project:	Sandoval County, New Mexico NAD83 NM C	**TVD Reference:**	RKB=6946+23.5 @ 6969.50ft
Reference Site:	Sec 28 T23N R07W North Alamito 4 301 311&312	**MD Reference:**	RKB=6946+23.5 @ 6969.50ft
Site Error:	0.00 ft	**North Reference:**	Grid
Reference Well:	North Alamito Unit 312H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Hole	**Database:**	DT-Oct0825v17
Reference Design:	rev1	**Offset TVD Reference:**	Offset Datum

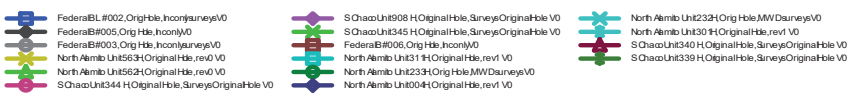
Reference Depths are relative to RKB=6946+23.5 @ 6969.50ft
Offset Depths are relative to Offset Datum
Central Meridian is -106.25000000

Coordinates are relative to: North Alamito Unit 312H
Coordinate System is US State Plane 1983, New Mexico Central Zone
Grid Convergence at Surface is: -0.780°

Separation Factor Plot



LEGEND



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Blvd, Suite A
Farmington, New Mexico 87402

In Reply Refer To:
3162.3-1(NMF0110)

* DJR OPERATING LLC

#312H N ALAMITO UNIT

Lease: NMNM 058878 Unit: NMNM 135229A
SH: SE¼SE¼ Section 28, T. 23 N., R. 7 W.
Sandoval County, New Mexico
BH: SE¼NE¼ Section 3, T.22 N., R. 7 W.
San Juan County, New Mexico
***Above Data Required on Well Sign**

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when **checked**:

A. ☒ Note all surface/drilling conditions of approval attached.

B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated

C. ☒ Test all casing strings below the conductor casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield (burst) for a minimum of 30 minutes. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

D. ☐ Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508.
The effective date of the agreement must be **prior** to any sales.

E. ☐ The use of co-flex hose is authorized contingent upon the following:
1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

I. GENERAL

A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.

B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).

C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.

D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.

E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).

F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).

G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).

H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).

I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.**

J. The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.

K. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.

L. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.

M. **Commingling**: No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.

B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.

1. Provide complete information concerning.

a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.

b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.

c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.

2. Well Completion Report will be submitted with 30 days after well has been completed.

a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.

3. Submit a cement evaluation log if cement is not circulated to surface.

C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results, 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results, and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days, 20 MMCF following its (completion)(recompletion), or flowback has been routed to the production separator, whichever first occurs, without the prior, written approval of the authorized officer in accordance with 43 CFR 3179.81. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the beginning of flowback following completion or recompletion.

V. SAFETY

A. All rig heating stoves are to be of the explosion-proof type.

B. Rig safety lines are to be installed.

C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.

B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

VII. PHONE NUMBERS

A. For BOPE tests, cementing, and plugging operations the phone number is 505-564-7750 and must be called 24 hours in advance in order that a BLM representative may witness the operations.

Approval Date: 01/21/2026

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 545082
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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Phone: (505) 476-3441

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

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 545082
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
scrues76	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/21/2026
scrues76	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	1/21/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	3/30/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	3/30/2026
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	3/30/2026
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	3/30/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	3/30/2026