

Form 3160-3  
(October 2024)

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2027

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address	3b. Phone No. (include area code)	9. API Well No. <b>30-045-38530</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area
		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.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 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). | 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.

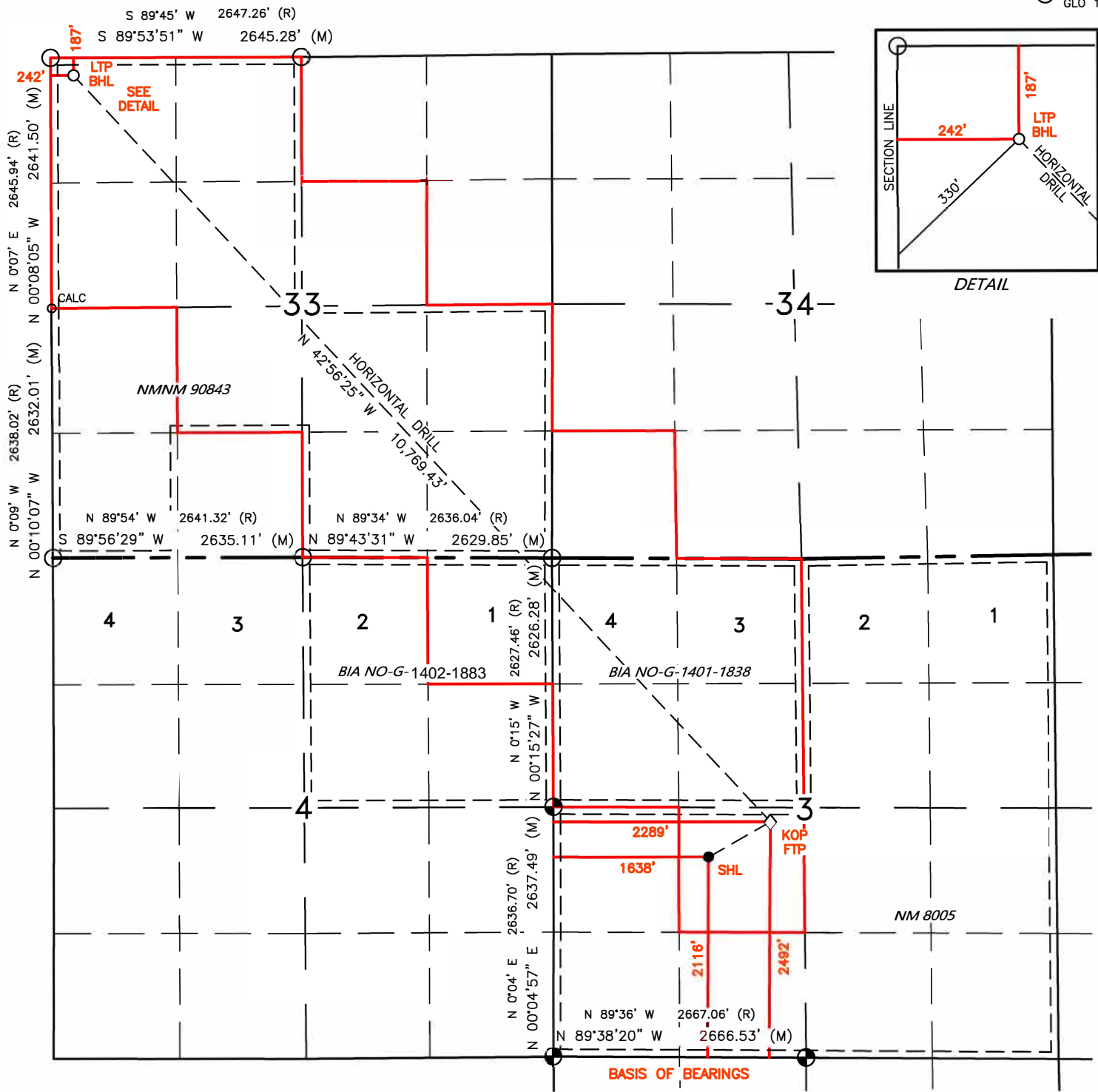


(Continued on page 2)

\*(Instructions on page 2)



FND 2 1/2" BC  
GLO 1947  
FND 2 1/2" BC  
GLO 1933



**SURFACE LOCATION (SHL)** ●  
 2116' FSL 1638' FWL  
 SEC. 3, T23N, R9W  
 LAT. 36.254548° N (NAD83)  
 LONG. 107.779809° W (NAD83)

**FIRST TAKE POINT (FTP)** ◇  
 2492' FSL 2289' FWL  
 SEC. 3, T23N, R9W  
 LAT. 36.255567° N (NAD83)  
 LONG. 107.777598° W (NAD83)

**BOTTOM HOLE LOCATION (BHL)** ○  
 187' FNL 242' FWL  
 SEC. 33, T24N, R9W  
 LAT. 36.277233° N (NAD83)  
 LONG. 107.802473° W (NAD83)

**KICK OFF POINT (KOP)** △  
 2492' FSL 2289' FWL  
 SEC. 3, T23N, R9W  
 LAT. 36.255567° N (NAD83)  
 LONG. 107.777598° W (NAD83)

**LAST TAKE POINT (LTP)** □  
 187' FNL 242' FWL  
 SEC. 33, T24N, R9W  
 LAT. 36.277233° N (NAD83)  
 LONG. 107.802473° W (NAD83)

State of New Mexico  
 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:**  07 / 28 / 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
NAGEEZI UNIT 407H	TBD	K-03-23N-09W	2103 FSL x 1623 FWL	395	897	158
NAGEEZI UNIT 408H	TBD	K-03-23N-09W	2143 FSL x 1667 FWL	276	627	111
NAGEEZI UNIT 719H	TBD	K-03-23N-09W	2089 FSL x 1608 FWL	206	53	82
NAGEEZI UNIT 720H	TBD	K-03-23N-09W	2116 FSL x 1638 FWL	242	62	97
NAGEEZI UNIT 721H	TBD	K-03-23N-09W	2157 FSL x 1681 FWL	151	39	61
NAGEEZI UNIT 722H	TBD	K-03-23N-09W	2130 FSL x 1652 FWL	132	34	53
				3-yr Decline	3-yr Decline	3-yr Decline
NAGEEZI UNIT 407H	TBD	K-03-23N-09W	2103 FSL x 1623 FWL	89	357	36
NAGEEZI UNIT 408H	TBD	K-03-23N-09W	2143 FSL x 1667 FWL	62	250	25
NAGEEZI UNIT 719H	TBD	K-03-23N-09W	2089 FSL x 1608 FWL	78	67	31
NAGEEZI UNIT 720H	TBD	K-03-23N-09W	2116 FSL x 1638 FWL	92	78	37
NAGEEZI UNIT 721H	TBD	K-03-23N-09W	2157 FSL x 1681 FWL	58	49	23
NAGEEZI UNIT 722H	TBD	K-03-23N-09W	2130 FSL x 1652 FWL	50	43	20

**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
NAGEEZI UNIT 407H	TBD	TBD	TBD	TBD	TBD	TBD
NAGEEZI UNIT 408H	TBD	TBD	TBD	TBD	TBD	TBD
NAGEEZI UNIT 719H	TBD	TBD	TBD	TBD	TBD	TBD
NAGEEZI UNIT 720H	TBD	TBD	TBD	TBD	TBD	TBD
NAGEEZI UNIT 721H	TBD	TBD	TBD	TBD	TBD	TBD
NAGEEZI UNIT 722H	TBD	TBD	TBD	TBD	TBD	TBD

**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 natural 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: <i>Shaw-Marie Valadez</i>
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: <a href="mailto:sford@enduringresources.com">sford@enduringresources.com</a>
Date: 7/28/2025
Phone: 505-716-3297
<b>OIL CONSERVATION DIVISION</b> <b>(Only applicable when submitted as a standalone form)</b>
Approved By:
Title:
Approval Date:
Conditions of Approval:



DJR OPERATING, LLC.  
OGRID NO: 371838  
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN  
Nageezi Unit 407H 408H 719H 720H 721H 722H

**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.



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NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN  
Nageezi Unit 407H 408H 719H 720H 721H 722H

**VENTING and FLARING**

DJR Operating, LLC (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:

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



DJR OPERATING, LLC.  
OGRID NO: 371838  
NATURAL GAS MANAGEMENT and WASTE MINIMIZATION PLAN  
Nageezi Unit 407H 408H 719H 720H 721H 722H

### OPERATIONAL PRACTICES

#### 19.15.27.8 A. Venting and Flaring of Natural Gas

DJR Operating, LLC (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.



#### **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 and WASTE MINIMIZATION PLAN  
Nageezi Unit 407H 408H 719H 720H 721H 722H

**BEST MANAGEMENT PRACTICES**

DJR Operating, LLC (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-Silt formation*

**WELL INFORMATION:**

**Name:** Nageezi Unit 720H

**API Number:** Not yet assigned

**AFE Number:** Not yet assigned

**ER Well Number:** Not yet assigned

**State:** New Mexico

**County:** San Juan

**Surface Elevation:** 6,767 ft ASL (GL) 6,791 ft ASL (KB)

**Surface Location:** 3-23-9 Sec-Twn-Rng 2,116 ft FSL 1,638 ft FWL

36.254548 ° N latitude 107.779809 ° W longitude (NAD 83)

**BH Location:** 33-24N-9 Sec-Twn-Rng 187 ft FNL 242 ft FWL

36.277233 ° N latitude 107.802473 ° 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 36.8 miles to MM 115.6 and Nageezi Post Office; Right (SouthWest) on Cty Road 7800 for 3.0 miles to dirt road on left (road to Nageezi WSW); Left (South) for 0.3 miles to Nageezi Unit K03 pad and location. There are 6 wells staked on this pad and two existing wells (Nageezi 405H and 406H), from SouthWest (location entrance) to NorthEast: Nageezi Unit 719H, 407H, 720H, 722H, 408H and 721H.

**GEOLOGIC AND RESERVOIR INFORMATION:**

<i>Prognosis:</i>	Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O / G / W	Pressure
	Ojo Alamo	6,200	591	591	W	normal
	Kirtland	6,070	721	721	W	normal
	Fruitland	5,860	931	931	G, W	sub
	Pictured Cliffs	5,480	1,311	1,311	G, W	sub
	Lewis	5,380	1,411	1,411	G, W	normal
	Chacra	5,140	1,651	1,655	G, W	normal
	Cliff House	4,074	2,717	2,782	G, W	sub
	Menefee	4,064	2,727	2,793	G, W	normal
	Point Lookout	3,161	3,630	3,749	G, W	normal
	Mancos	2,986	3,805	3,934	O,G	sub (~0.38)
	Gallup (MNCS_A)	2,647	4,144	4,288	O,G	sub (~0.38)
	MNCS_B	2,538	4,253	4,411	O,G	sub (~0.38)
	MNCS_C	2,451	4,340	4,521	O,G	sub (~0.38)
	MNCS_Cms	2,369	4,422	4,646	O,G	sub (~0.38)
	<b>FTP TARGET</b>	<b>2,369</b>	<b>4,422</b>	<b>4,646</b>	<b>O,G</b>	<b>sub (~0.38)</b>
	<b>PROJECTED TD</b>	<b>2,122</b>	<b>4,669</b>	<b>15,578</b>	<b>O,G</b>	<b>sub (~0.38)</b>

**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: 2,010 psi**

**Maximum anticipated surface pressure, assuming partially evacuated hole: 990 psi**

**Temperature:** Maximum anticipated BHT is 125° F or less

**H<sub>2</sub>S INFORMATION:**

**H<sub>2</sub>S 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 installed on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device. The valve will be maintained in the open position and shall only be closed when there is no power to the accumulator.

**FLUIDS AND SOLIDS CONTROL PROGRAM:**

**Fluid Measurement:**

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

**Closed-Loop System:**

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

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

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

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

**DETAILED DRILLING PLAN:**

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

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

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

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

**Hole Size:** 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	971	110,988	110,988
Min. S.F.					<b>13.21</b>	<b>3.63</b>	<b>5.08</b>	<b>3.81</b>

*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):** Minimum: 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	4,954 ft (MD)	Hole Section Length:	4,604 ft
350 ft (TVD)	to	4,527 ft (TVD)	Casing Required:	4,954 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					1,977	1,249	212,323	212,323
Min. S.F.					2.18	3.99	1.95	1.73

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): Minimum: 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	441	949
Tail	Type III	13.5	1.710	8.88	30%	3,834	134	228
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	187.9

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

10 bbls D-Mud

Breaker (SAPP)

Spacer 10 bbls water f/b

f/b

10 bbls water f/b

		D-CSE 1 5.0%	D-MPA-2 .4%	BWOC Fluid Loss & Gas Migration Control	D-SA 1 1.4%	D-CD 2 .4%	Cello Flace LCM .25	D-FP 1 .5%	BWOC D-R1 1.2%
Lead	ASTM Type III 90/10 Poz	Enhancer		Metasilicate		BWOC Dispersant	lb/sx	Defoamer	Retarder
		D-CSE 1 5.0%	D-MPA-2 1.2%	BWOC Fluid Loss & Gas Migration Control		Cello Flace LCM .25	D-FP 1 .5%	BWOC D-R1 0.3%	
Tail	ASTM Type III 90/10 Poz	Enhancer		lb/sx		Defoamer		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.**

4,954 ft (MD)	to	15,578 ft (MD)	Hole Section Length:	10,624 ft
4,527 ft (TVD)	to	4,669 ft (TVD)	Casing Required:	10,774 ft
<b>Estimated KOP:</b>		3,971 ft (MD)	3,840 ft (TVD)	
<b>Estimated Liner Top:</b>		4,804 ft (MD)	4,495 ft (TVD)	
<b>Estimated Landing Point (FTP):</b>		4,646 ft (MD)	4,422 ft (TVD)	
<b>Estimated Lateral Length:</b>		10,932 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					2,306	8,767	255,932	255,932
Min. S.F.					3.28	1.22	1.43	1.50

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): Minimum: 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%	4,804	835	1,270

Displacement 216 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			
Lead/Tail			Bentonite	IntegraGuard		Xcem-311	
	Type G 50%	Pozzolan Fly Ash Extender 50%	Viscosifier 4% BWOB	FL24 Fluid Loss .4% BWOB	GW86 Viscosifier .1% BWOB	R3 Retarder .2% BWOB	Defoamer 0.3% 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 NMAC 19.15.16.15.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:** 10,832  
**Est Frac Inform:** 45 Frac Stages 174,000 bbls slick water 14,090,000 lbs proppant  
**Flowback:** Flow back through production tubing as pressures allow  
**Production:** Produce through production tubing via gas-lift into permanent production and storage facilities

**ESTIMATED START DATES:**

**Drilling:** 12/16/2025  
**Completion:** 2/14/2026  
**Production:** 3/31/2026

**Prepared by:** Greg Olson 7/18/2024  
**Updated:** Greg Olson 4/30/2025

**WELL NAME: Nageezi Unit 720H**

**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-Silt 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.:** 6,767 ft ASL (GL) 6,791 ft ASL (KB)

**Surface Location:** 3-23-9 Sec-Twn- Rng 2,116 ft FSL 1,638 ft FWL

**BH Location:** 33-24N-9 Sec-Twn- Rng 187 ft FNL 242 ft FWL

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

South on US Hwy 550 for 36.8 miles to MM 115.6 and Nageezi Post Office, Right (SouthWest) on Cty Road 7800 for 3.0 miles to dirt road on left (road to Nageezi WSW); Left (South) for 0.3 miles to Nageezi Unit K03 pad and location. There are 6 wells staked on this pad and two existing wells (Nageezi 405H and 406H), from SouthWest (location entrance) to NorthEast: Nageezi Unit 719H, 407H, 720H, 722H, 408H and 721H.

QUICK REFERENCE	
Sur TD (MD)	350 ft
Int TD (MD)	4,954 ft
KOP (MD)	3,971 ft
KOP (TVD)	3,840 ft
Target (TVD)	4,422 ft
Curve BUR	10 °/100 ft
POE (MD)	4,646 ft
TD (MD)	15,578 ft
Lat Len (ft)	10,932 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	4,954	7	26.0	K-55	LTC	0	4,954
Production	6.125	15,578	4.500	11.6	P-110	BTC	4,804	15,578

**CEMENT PROPERTIES SUMMARY:**

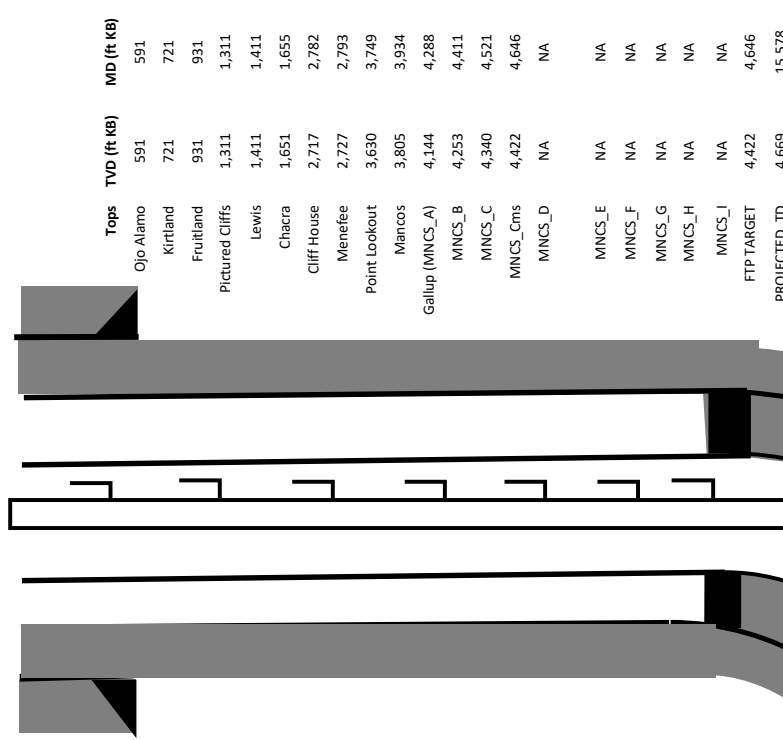
	Type	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	Hole Cap. (cuft/ft)	% Excess	TOC (ft MD)	Total (sx)
Surface	TYPE I-II	14.5	1.61	7.41	0.3132	50%	0	114
Inter. (Lead)	III:POZ Blend	12.5	2.15	12.05	0.1668	70%	0	441
Inter. (Tail)	Type III	13.5	1.71	8.88	0.1503	30%	3,834	134
Prod. (Lead)	SegraGuard S	10	0.000	35.7	0.1044	0%	0	20 bbls
Prod. (Tail)	G:POZ blend	13.3	1.520	7.5	0.0873	25%	4,804	835

**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

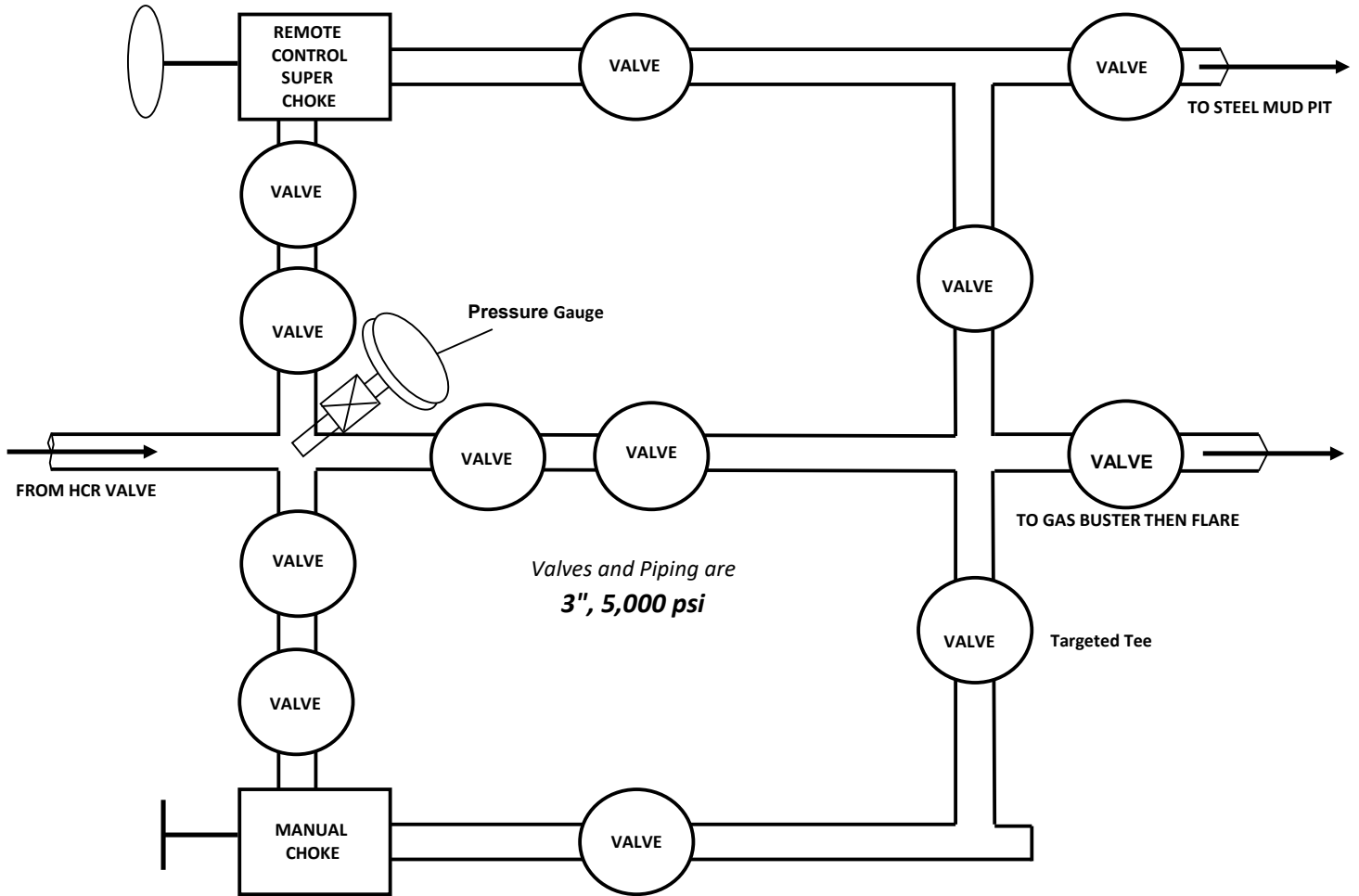


Tops	TVD (ft KB)	MD (ft KB)
Ojo Alamo	591	591
Kirtland	721	721
Fruitland	931	931
Pictured Cliffs	1,311	1,311
Lewis	1,411	1,411
Chacra	1,651	1,655
Cliff House	2,717	2,782
Menefee	2,727	2,793
Point Lookout	3,630	3,749
Mancos	3,805	3,934
Gallup (MNCS_A)	4,144	4,288
MNCS_B	4,253	4,411
MNCS_C	4,340	4,521
MNCS_Cms	4,422	4,646
MNCS_D	NA	NA
MNCS_E	NA	NA
MNCS_F	NA	NA
MNCS_G	NA	NA
MNCS_H	NA	NA
MNCS_J	NA	NA
FTP TARGET	4,422	4,646
PROJECTED TD	4,669	15,578

### NAGEEZI UNIT 720H

NOTE: EXACT BOPE AND CHOKE CONFIGURATION 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.

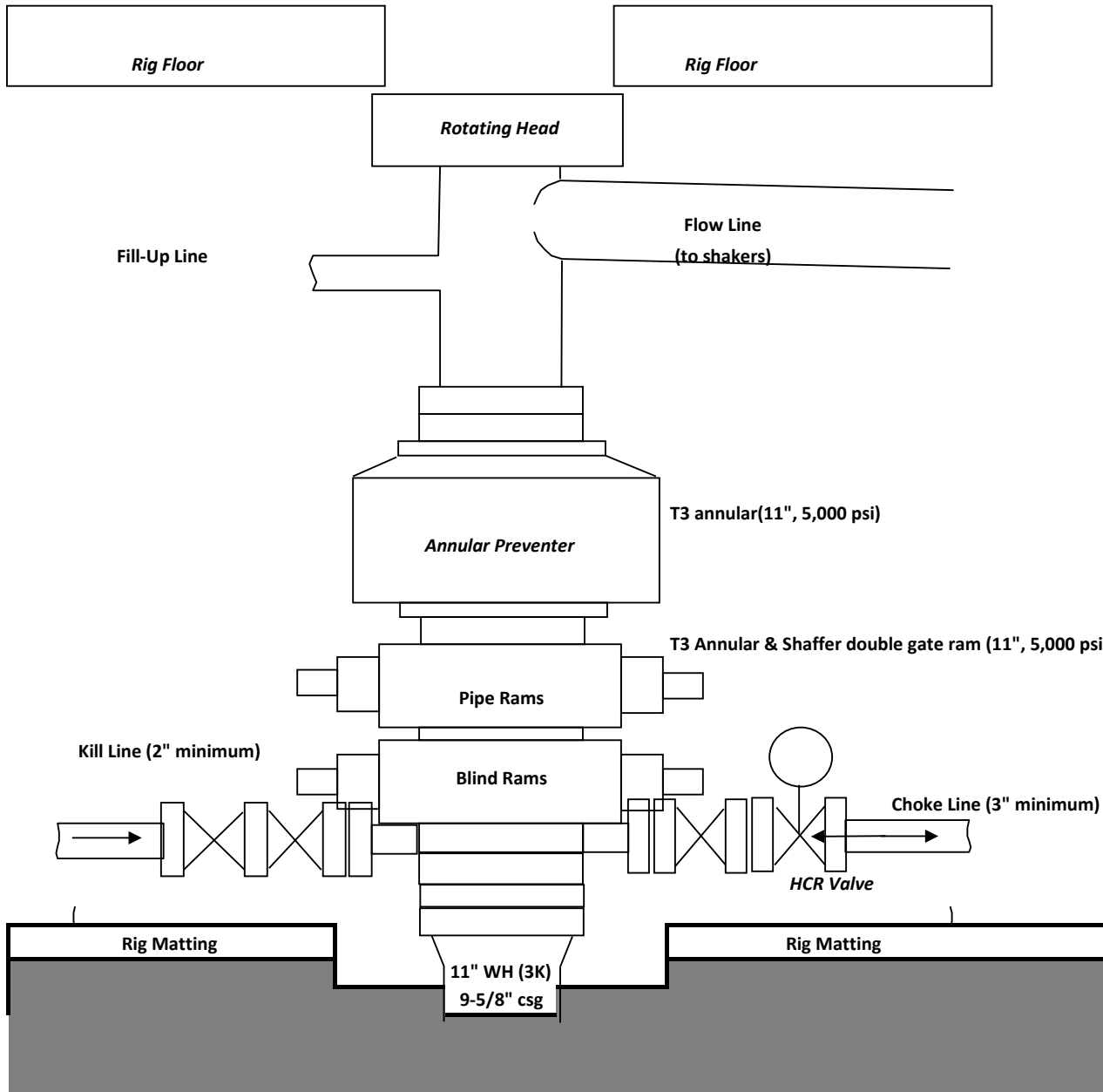
### CHOKE MANIFOLD



### NAGEEZI UNIT 720H

NOTE: EXACT BOPE AND CHOKE CONFIGURATION 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





**Well:** Nageezi Unit 720H  
**Site:** Nageezi Unit (407,408,719,720,721&722)  
**Project:** San Juan County, New Mexico NAD83 NM W  
**Design:** rev0  
**Rig:**

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Nageezi 720H vert	3955.61	95.33	908.49	1912053.78	2739780.94	36.25480846	-107.77672746
Nageezi 720H FTP 2492 FSL 2289 FWL	4529.00	371.31	651.67	1912329.76	2739524.12	36.25556700	-107.77759800
Nageezi 720H vs=0	4529.00	497.31	534.41	1912455.76	2739406.86	36.25591332	-107.77799546
Nageezi 720H LTP 187 FNL 242 FWL	4669.00	8254.99	-6684.76	1920213.42	2732187.71	36.27723300	-107.80247300

Section Details

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V/Sect	Annotation
1	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.000	0.00	
2	1200.00	0.00	0.000	1200.00	0.00	0.00	0.00	0.000	0.00	KOP Begin 3°/100' build
3	1300.00	3.00	90.000	1299.95	0.00	2.62	3.00	90.000	-1.78	Begin 3°/100' build/turn
4	1842.74	19.28	88.769	1830.68	1.94	107.11	3.00	-1.450	-71.55	Begin 19.28° tangent
5	3970.95	19.28	88.769	3839.51	17.04	809.70	0.00	0.000	-539.13	Begin 10°/100' build/turn
6	4804.11	70.00	317.059	4495.00	371.31	651.67	10.00	-135.065	-172.13	Begin 10°/100' build
7	4996.56	89.24	317.059	4529.50	509.24	523.31	10.00	0.000	16.28	Begin 89.24° lateral
8	15578.27	89.24	317.059	4669.00	8254.99	-6684.76	0.00	0.00010597.07		PBHL/TD

CASING DETAILS

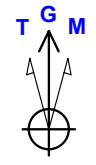
TVD	MD	Name
350.00	350.00	9-5/8" Surface Casing
4529.09	4981.18	7" Intermediate Casing

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=6767+23.5 @ 6790.50ft

Surface location:

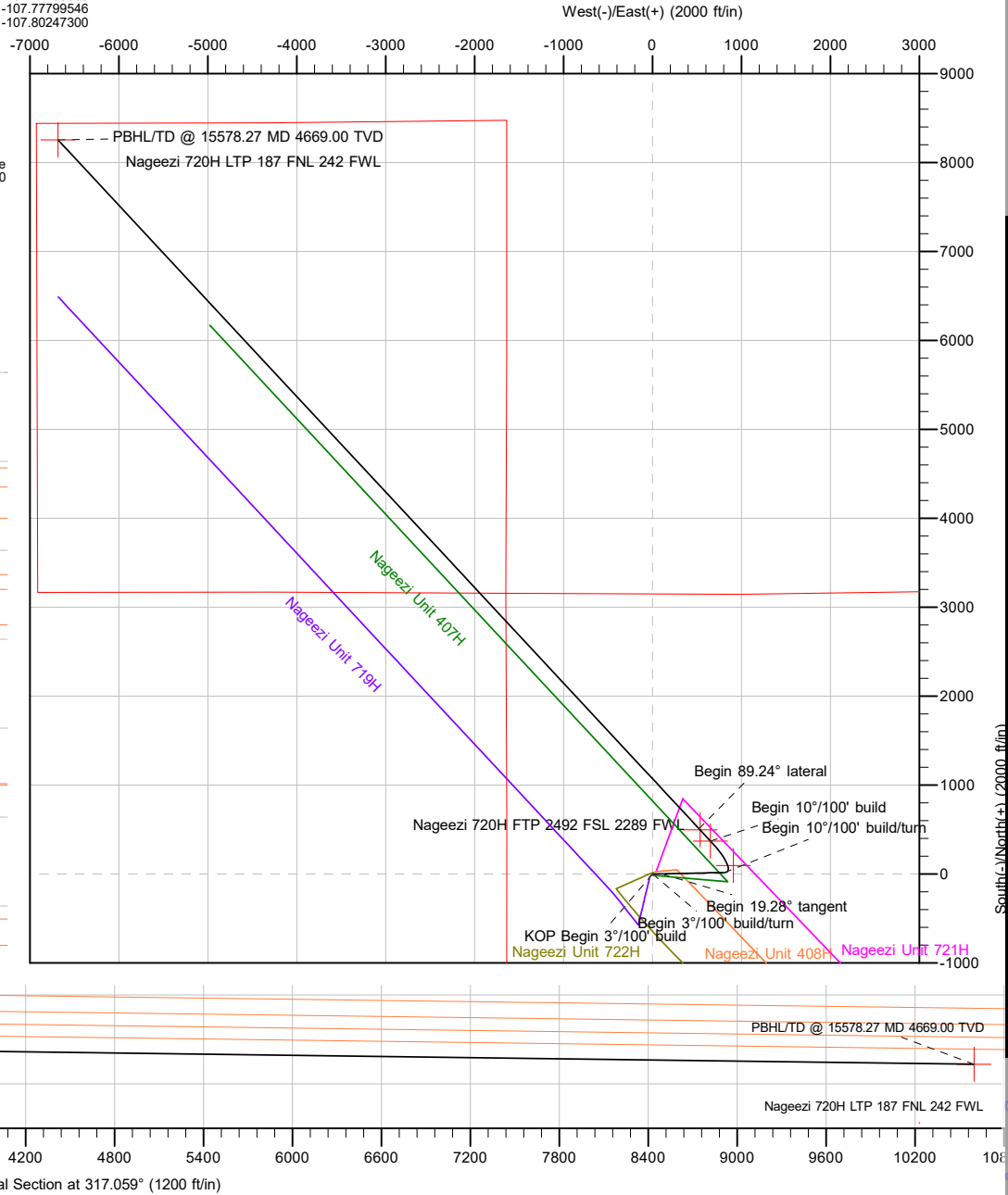
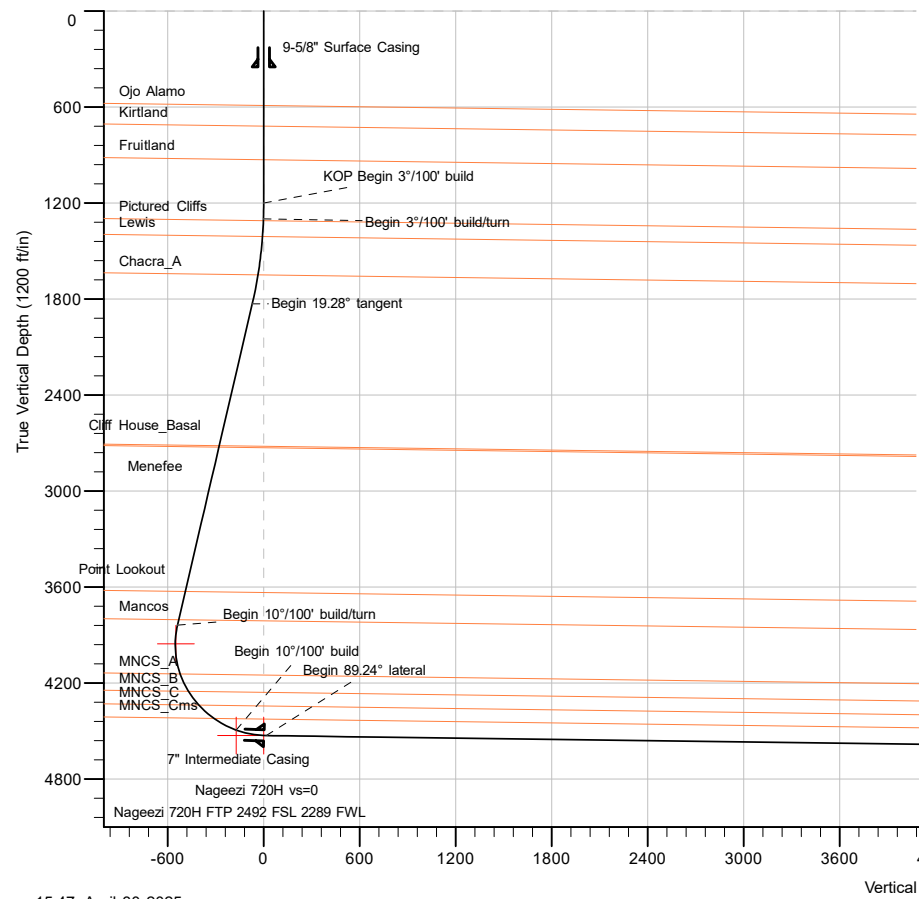
Northing	Easting	Latitude	Longitude
1911958.45	2738872.46	36.25454800	-107.77980900

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.376°



Azimuths to Grid North  
 True North: -0.03°  
 Magnetic North: 8.38°

Magnetic Field  
 Strength: 48929.2nT  
 Dip Angle: 62.67°  
 Date: 4/11/2025  
 Model: IGRF2020



Released to Imaging: 5/25/2026 2:50:53 PM

Received by OCD: 1/20/2026 8:19:21 AM

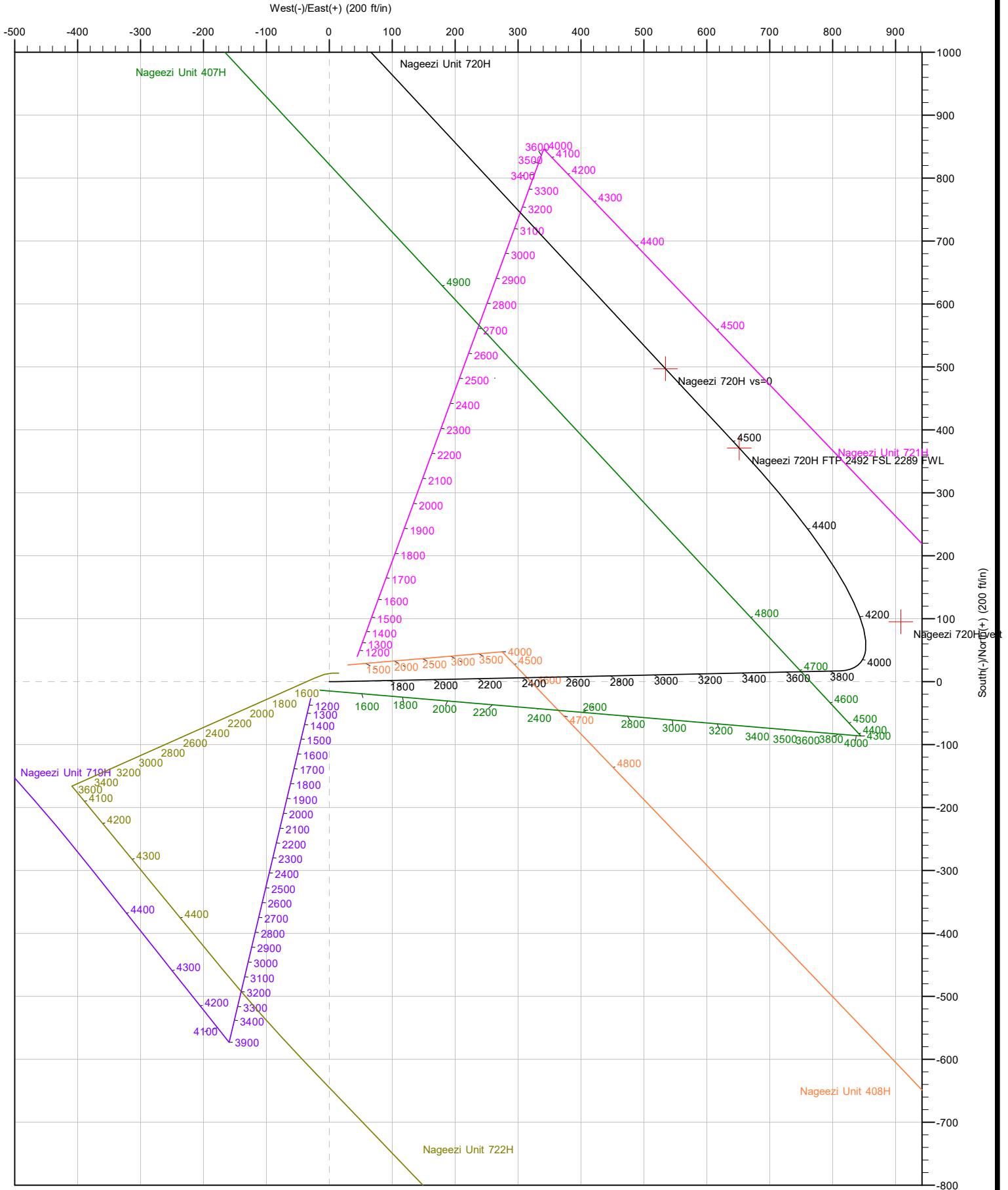
North(0) to South(-1000) (1000 ft/in)

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Vertical Section at 317.059° (1200 ft/in)



Well: Nageezi Unit 720H  
Site: Nageezi Unit (407,408,719,720,721&722)  
Project: San Juan County, New Mexico NAD83 NM W  
Design: rev0  
Rig:



15:22, April 11 2025



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

<b>Project</b>	San Juan County, New Mexico NAD83 NM W		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Western Zone		

<b>Site</b>	Nageezi Unit (407,408,719,720,721&722)				
<b>Site Position:</b>		<b>Northing:</b>	1,911,944.97 usft	<b>Latitude:</b>	36.25451100
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,738,857.72 usft	<b>Longitude:</b>	-107.77985900
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Nageezi Unit 720H, Surf loc: 2116 FSL 1638 FWL Section 03-T23N-R09W					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,911,958.45 usft	<b>Latitude:</b>	36.25454800
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,738,872.46 usft	<b>Longitude:</b>	-107.77980900
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,767.00 ft
<b>Grid Convergence:</b>	0.032 °					

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	4/11/2025	8.407	62.673	48,929.21258072

<b>Design</b>	rev0				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	317.059	

<b>Plan Survey Tool Program</b>	<b>Date</b>	4/30/2025			
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>	
1	0.00	15,578.26 rev0 (Original Hole)	MWD	OWSG MWD - Standard	

<b>Plan Sections</b>										
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	
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,300.00	3.00	90.000	1,299.95	0.00	2.62	3.00	3.00	0.00	90.000	
1,842.74	19.28	88.769	1,830.68	1.94	107.11	3.00	3.00	-0.23	-1.450	
3,970.95	19.28	88.769	3,839.51	17.04	809.70	0.00	0.00	0.00	0.000	
4,804.11	70.00	317.059	4,495.00	371.31	651.67	10.00	6.09	-15.81	-135.065	
4,996.56	89.24	317.059	4,529.50	509.24	523.31	10.00	10.00	0.00	0.000	
15,578.27	89.24	317.059	4,669.00	8,254.99	-6,684.76	0.00	0.00	0.00	0.000	Nageezi 720H LTP 18



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	
<b>9-5/8" Surface Casing</b>										
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	
591.00	0.00	0.000	591.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Ojo Alamo</b>										
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	
721.00	0.00	0.000	721.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Kirtland</b>										
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	
931.00	0.00	0.000	931.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Fruitland</b>										
1,000.00	0.00	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>KOP Begin 3°/100' build</b>										
1,300.00	3.00	90.000	1,299.95	0.00	2.62	-1.78	3.00	3.00	0.00	
<b>Begin 3°/100' build/turn</b>										
1,311.03	3.33	89.856	1,310.97	0.00	3.23	-2.20	3.00	3.00	-1.31	
<b>Pictured Cliffs</b>										
1,400.00	6.00	89.274	1,399.63	0.07	10.46	-7.08	3.00	3.00	-0.65	
1,411.33	6.34	89.235	1,410.90	0.08	11.68	-7.90	3.00	3.00	-0.34	
<b>Lewis</b>										
1,500.00	9.00	89.031	1,498.77	0.26	23.51	-15.82	3.00	3.00	-0.23	
1,600.00	12.00	88.909	1,597.08	0.59	41.73	-27.99	3.00	3.00	-0.12	
1,654.81	13.64	88.865	1,650.52	0.83	53.89	-36.10	3.00	3.00	-0.08	
<b>Chacra_A</b>										
1,700.00	15.00	88.835	1,694.31	1.06	65.06	-43.55	3.00	3.00	-0.07	
1,800.00	18.00	88.786	1,790.18	1.65	93.45	-62.46	3.00	3.00	-0.05	
1,842.74	19.28	88.769	1,830.68	1.94	107.11	-71.55	3.00	3.00	-0.04	
<b>Begin 19.28° tangent</b>										
1,900.00	19.28	88.769	1,884.73	2.34	126.02	-84.13	0.00	0.00	0.00	
2,000.00	19.28	88.769	1,979.12	3.05	159.03	-106.10	0.00	0.00	0.00	
2,100.00	19.28	88.769	2,073.51	3.76	192.04	-128.07	0.00	0.00	0.00	
2,200.00	19.28	88.769	2,167.90	4.47	225.05	-150.04	0.00	0.00	0.00	
2,300.00	19.28	88.769	2,262.29	5.18	258.07	-172.01	0.00	0.00	0.00	
2,400.00	19.28	88.769	2,356.68	5.89	291.08	-193.98	0.00	0.00	0.00	
2,500.00	19.28	88.769	2,451.07	6.60	324.09	-215.95	0.00	0.00	0.00	
2,600.00	19.28	88.769	2,545.46	7.31	357.11	-237.93	0.00	0.00	0.00	
2,700.00	19.28	88.769	2,639.85	8.02	390.12	-259.90	0.00	0.00	0.00	
2,782.06	19.28	88.769	2,717.31	8.60	417.21	-277.93	0.00	0.00	0.00	
<b>Cliff House_Basal</b>										
2,792.63	19.28	88.769	2,727.28	8.68	420.70	-280.25	0.00	0.00	0.00	
<b>Menefee</b>										
2,800.00	19.28	88.769	2,734.24	8.73	423.13	-281.87	0.00	0.00	0.00	
2,900.00	19.28	88.769	2,828.63	9.44	456.15	-303.84	0.00	0.00	0.00	



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,000.00	19.28	88.769	2,923.02	10.15	489.16	-325.81	0.00	0.00	0.00	
3,100.00	19.28	88.769	3,017.42	10.86	522.17	-347.78	0.00	0.00	0.00	
3,200.00	19.28	88.769	3,111.81	11.57	555.19	-369.75	0.00	0.00	0.00	
3,300.00	19.28	88.769	3,206.20	12.28	588.20	-391.72	0.00	0.00	0.00	
3,400.00	19.28	88.769	3,300.59	12.99	621.21	-413.69	0.00	0.00	0.00	
3,500.00	19.28	88.769	3,394.98	13.70	654.22	-435.66	0.00	0.00	0.00	
3,600.00	19.28	88.769	3,489.37	14.40	687.24	-457.63	0.00	0.00	0.00	
3,700.00	19.28	88.769	3,583.76	15.11	720.25	-479.60	0.00	0.00	0.00	
3,748.45	19.28	88.769	3,629.50	15.46	736.25	-490.25	0.00	0.00	0.00	
<b>Point Lookout</b>										
3,800.00	19.28	88.769	3,678.15	15.82	753.26	-501.57	0.00	0.00	0.00	
3,900.00	19.28	88.769	3,772.54	16.53	786.28	-523.54	0.00	0.00	0.00	
3,934.34	19.28	88.769	3,804.96	16.78	797.61	-531.09	0.00	0.00	0.00	
<b>Mancos</b>										
3,970.95	19.28	88.769	3,839.51	17.04	809.70	-539.13	0.00	0.00	0.00	
<b>Begin 10°/100' build/turn</b>										
4,000.00	17.34	81.871	3,867.09	17.75	818.78	-544.80	10.00	-6.68	-23.74	
4,050.00	14.74	66.325	3,915.16	21.36	831.99	-551.15	10.00	-5.20	-31.09	
4,100.00	13.52	46.348	3,963.68	27.96	842.06	-553.18	10.00	-2.43	-39.95	
4,150.00	14.06	25.377	4,012.27	37.48	848.89	-550.86	10.00	1.06	-41.94	
4,200.00	16.17	7.883	4,060.56	49.87	852.45	-544.22	10.00	4.22	-34.99	
4,250.00	19.34	355.149	4,108.19	65.03	852.71	-533.30	10.00	6.35	-25.47	
4,288.38	22.23	347.991	4,144.07	78.46	850.66	-522.07	10.00	7.51	-18.65	
<b>MNCS_A</b>										
4,300.00	23.15	346.169	4,154.80	82.83	849.65	-518.18	10.00	7.96	-15.68	
4,350.00	27.33	339.703	4,200.02	103.16	843.32	-498.99	10.00	8.36	-12.93	
4,400.00	31.73	334.874	4,243.52	125.84	833.75	-475.87	10.00	8.80	-9.66	
4,410.92	32.71	333.978	4,252.76	131.09	831.23	-470.31	10.00	8.99	-8.21	
<b>MNCS_B</b>										
4,450.00	36.27	331.128	4,284.97	150.71	821.02	-448.98	10.00	9.11	-7.29	
4,500.00	40.91	328.120	4,324.04	177.58	805.22	-418.55	10.00	9.27	-6.02	
4,520.94	42.87	327.024	4,339.63	189.38	797.72	-404.80	10.00	9.37	-5.23	
<b>MNCS_C</b>										
4,550.00	45.61	325.631	4,360.45	206.25	786.47	-384.80	10.00	9.42	-4.80	
4,600.00	50.36	323.514	4,393.91	236.49	764.93	-347.98	10.00	9.49	-4.23	
4,645.99	54.75	321.810	4,421.87	265.50	742.78	-311.65	10.00	9.56	-3.71	
<b>MNCS_Cms</b>										
4,650.00	55.14	321.670	4,424.17	268.08	740.74	-308.38	10.00	9.59	-3.48	
4,700.00	59.94	320.030	4,451.00	300.77	714.11	-266.30	10.00	9.61	-3.28	
4,750.00	64.76	318.542	4,474.19	334.32	685.22	-222.06	10.00	9.65	-2.98	
4,804.11	70.00	317.059	4,495.00	371.31	651.67	-172.13	10.00	9.68	-2.74	
<b>Begin 10°/100' build</b>										
4,850.00	74.59	317.059	4,508.95	403.30	621.90	-128.43	10.00	10.00	0.00	
4,900.00	79.59	317.059	4,520.12	438.97	588.71	-79.71	10.00	10.00	0.00	
4,950.00	84.59	317.059	4,527.00	475.21	554.98	-30.20	10.00	10.00	0.00	
4,981.18	87.71	317.059	4,529.09	497.98	533.79	0.91	10.00	10.00	0.00	
<b>7" Intermediate Casing</b>										
4,996.56	89.24	317.059	4,529.50	509.24	523.31	16.28	10.00	10.00	0.00	
<b>Begin 89.24° lateral</b>										
5,000.00	89.24	317.059	4,529.55	511.75	520.97	19.72	0.00	0.00	0.00	
5,100.00	89.24	317.059	4,530.87	584.95	452.85	119.71	0.00	0.00	0.00	
5,200.00	89.24	317.059	4,532.19	658.15	384.73	219.71	0.00	0.00	0.00	
5,300.00	89.24	317.059	4,533.50	731.35	316.62	319.70	0.00	0.00	0.00	



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM 4	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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)
5,400.00	89.24	317.059	4,534.82	804.55	248.50	419.69	0.00	0.00	0.00
5,500.00	89.24	317.059	4,536.14	877.75	180.38	519.68	0.00	0.00	0.00
5,600.00	89.24	317.059	4,537.46	950.95	112.26	619.67	0.00	0.00	0.00
5,700.00	89.24	317.059	4,538.78	1,024.15	44.14	719.66	0.00	0.00	0.00
5,800.00	89.24	317.059	4,540.10	1,097.35	-23.98	819.65	0.00	0.00	0.00
5,900.00	89.24	317.059	4,541.41	1,170.55	-92.09	919.64	0.00	0.00	0.00
6,000.00	89.24	317.059	4,542.73	1,243.75	-160.21	1,019.64	0.00	0.00	0.00
6,100.00	89.24	317.059	4,544.05	1,316.95	-228.33	1,119.63	0.00	0.00	0.00
6,200.00	89.24	317.059	4,545.37	1,390.15	-296.45	1,219.62	0.00	0.00	0.00
6,300.00	89.24	317.059	4,546.69	1,463.35	-364.57	1,319.61	0.00	0.00	0.00
6,400.00	89.24	317.059	4,548.01	1,536.54	-432.69	1,419.60	0.00	0.00	0.00
6,500.00	89.24	317.059	4,549.32	1,609.74	-500.80	1,519.59	0.00	0.00	0.00
6,600.00	89.24	317.059	4,550.64	1,682.94	-568.92	1,619.58	0.00	0.00	0.00
6,700.00	89.24	317.059	4,551.96	1,756.14	-637.04	1,719.57	0.00	0.00	0.00
6,800.00	89.24	317.059	4,553.28	1,829.34	-705.16	1,819.57	0.00	0.00	0.00
6,900.00	89.24	317.059	4,554.60	1,902.54	-773.28	1,919.56	0.00	0.00	0.00
7,000.00	89.24	317.059	4,555.91	1,975.74	-841.39	2,019.55	0.00	0.00	0.00
7,100.00	89.24	317.059	4,557.23	2,048.94	-909.51	2,119.54	0.00	0.00	0.00
7,200.00	89.24	317.059	4,558.55	2,122.14	-977.63	2,219.53	0.00	0.00	0.00
7,300.00	89.24	317.059	4,559.87	2,195.34	-1,045.75	2,319.52	0.00	0.00	0.00
7,400.00	89.24	317.059	4,561.19	2,268.54	-1,113.87	2,419.51	0.00	0.00	0.00
7,500.00	89.24	317.059	4,562.51	2,341.74	-1,181.99	2,519.51	0.00	0.00	0.00
7,600.00	89.24	317.059	4,563.82	2,414.94	-1,250.10	2,619.50	0.00	0.00	0.00
7,700.00	89.24	317.059	4,565.14	2,488.14	-1,318.22	2,719.49	0.00	0.00	0.00
7,800.00	89.24	317.059	4,566.46	2,561.34	-1,386.34	2,819.48	0.00	0.00	0.00
7,900.00	89.24	317.059	4,567.78	2,634.54	-1,454.46	2,919.47	0.00	0.00	0.00
8,000.00	89.24	317.059	4,569.10	2,707.74	-1,522.58	3,019.46	0.00	0.00	0.00
8,100.00	89.24	317.059	4,570.42	2,780.94	-1,590.70	3,119.45	0.00	0.00	0.00
8,200.00	89.24	317.059	4,571.73	2,854.14	-1,658.81	3,219.44	0.00	0.00	0.00
8,300.00	89.24	317.059	4,573.05	2,927.34	-1,726.93	3,319.44	0.00	0.00	0.00
8,400.00	89.24	317.059	4,574.37	3,000.53	-1,795.05	3,419.43	0.00	0.00	0.00
8,500.00	89.24	317.059	4,575.69	3,073.73	-1,863.17	3,519.42	0.00	0.00	0.00
8,600.00	89.24	317.059	4,577.01	3,146.93	-1,931.29	3,619.41	0.00	0.00	0.00
8,700.00	89.24	317.059	4,578.33	3,220.13	-1,999.41	3,719.40	0.00	0.00	0.00
8,800.00	89.24	317.059	4,579.64	3,293.33	-2,067.52	3,819.39	0.00	0.00	0.00
8,900.00	89.24	317.059	4,580.96	3,366.53	-2,135.64	3,919.38	0.00	0.00	0.00
9,000.00	89.24	317.059	4,582.28	3,439.73	-2,203.76	4,019.37	0.00	0.00	0.00
9,100.00	89.24	317.059	4,583.60	3,512.93	-2,271.88	4,119.37	0.00	0.00	0.00
9,200.00	89.24	317.059	4,584.92	3,586.13	-2,340.00	4,219.36	0.00	0.00	0.00
9,300.00	89.24	317.059	4,586.24	3,659.33	-2,408.11	4,319.35	0.00	0.00	0.00
9,400.00	89.24	317.059	4,587.55	3,732.53	-2,476.23	4,419.34	0.00	0.00	0.00
9,500.00	89.24	317.059	4,588.87	3,805.73	-2,544.35	4,519.33	0.00	0.00	0.00
9,600.00	89.24	317.059	4,590.19	3,878.93	-2,612.47	4,619.32	0.00	0.00	0.00
9,700.00	89.24	317.059	4,591.51	3,952.13	-2,680.59	4,719.31	0.00	0.00	0.00
9,800.00	89.24	317.059	4,592.83	4,025.33	-2,748.71	4,819.31	0.00	0.00	0.00
9,900.00	89.24	317.059	4,594.14	4,098.53	-2,816.82	4,919.30	0.00	0.00	0.00
10,000.00	89.24	317.059	4,595.46	4,171.73	-2,884.94	5,019.29	0.00	0.00	0.00
10,100.00	89.24	317.059	4,596.78	4,244.93	-2,953.06	5,119.28	0.00	0.00	0.00
10,200.00	89.24	317.059	4,598.10	4,318.13	-3,021.18	5,219.27	0.00	0.00	0.00
10,300.00	89.24	317.059	4,599.42	4,391.32	-3,089.30	5,319.26	0.00	0.00	0.00
10,400.00	89.24	317.059	4,600.74	4,464.52	-3,157.42	5,419.25	0.00	0.00	0.00
10,500.00	89.24	317.059	4,602.05	4,537.72	-3,225.53	5,519.24	0.00	0.00	0.00
10,600.00	89.24	317.059	4,603.37	4,610.92	-3,293.65	5,619.24	0.00	0.00	0.00
10,700.00	89.24	317.059	4,604.69	4,684.12	-3,361.77	5,719.23	0.00	0.00	0.00



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
10,800.00	89.24	317.059	4,606.01	4,757.32	-3,429.89	5,819.22	0.00	0.00	0.00	
10,900.00	89.24	317.059	4,607.33	4,830.52	-3,498.01	5,919.21	0.00	0.00	0.00	
11,000.00	89.24	317.059	4,608.65	4,903.72	-3,566.13	6,019.20	0.00	0.00	0.00	
11,100.00	89.24	317.059	4,609.96	4,976.92	-3,634.24	6,119.19	0.00	0.00	0.00	
11,200.00	89.24	317.059	4,611.28	5,050.12	-3,702.36	6,219.18	0.00	0.00	0.00	
11,300.00	89.24	317.059	4,612.60	5,123.32	-3,770.48	6,319.18	0.00	0.00	0.00	
11,400.00	89.24	317.059	4,613.92	5,196.52	-3,838.60	6,419.17	0.00	0.00	0.00	
11,500.00	89.24	317.059	4,615.24	5,269.72	-3,906.72	6,519.16	0.00	0.00	0.00	
11,600.00	89.24	317.059	4,616.56	5,342.92	-3,974.83	6,619.15	0.00	0.00	0.00	
11,700.00	89.24	317.059	4,617.87	5,416.12	-4,042.95	6,719.14	0.00	0.00	0.00	
11,800.00	89.24	317.059	4,619.19	5,489.32	-4,111.07	6,819.13	0.00	0.00	0.00	
11,900.00	89.24	317.059	4,620.51	5,562.52	-4,179.19	6,919.12	0.00	0.00	0.00	
12,000.00	89.24	317.059	4,621.83	5,635.72	-4,247.31	7,019.11	0.00	0.00	0.00	
12,100.00	89.24	317.059	4,623.15	5,708.92	-4,315.43	7,119.11	0.00	0.00	0.00	
12,200.00	89.24	317.059	4,624.47	5,782.11	-4,383.54	7,219.10	0.00	0.00	0.00	
12,300.00	89.24	317.059	4,625.78	5,855.31	-4,451.66	7,319.09	0.00	0.00	0.00	
12,400.00	89.24	317.059	4,627.10	5,928.51	-4,519.78	7,419.08	0.00	0.00	0.00	
12,500.00	89.24	317.059	4,628.42	6,001.71	-4,587.90	7,519.07	0.00	0.00	0.00	
12,600.00	89.24	317.059	4,629.74	6,074.91	-4,656.02	7,619.06	0.00	0.00	0.00	
12,700.00	89.24	317.059	4,631.06	6,148.11	-4,724.14	7,719.05	0.00	0.00	0.00	
12,800.00	89.24	317.059	4,632.37	6,221.31	-4,792.25	7,819.04	0.00	0.00	0.00	
12,900.00	89.24	317.059	4,633.69	6,294.51	-4,860.37	7,919.04	0.00	0.00	0.00	
13,000.00	89.24	317.059	4,635.01	6,367.71	-4,928.49	8,019.03	0.00	0.00	0.00	
13,100.00	89.24	317.059	4,636.33	6,440.91	-4,996.61	8,119.02	0.00	0.00	0.00	
13,200.00	89.24	317.059	4,637.65	6,514.11	-5,064.73	8,219.01	0.00	0.00	0.00	
13,300.00	89.24	317.059	4,638.97	6,587.31	-5,132.85	8,319.00	0.00	0.00	0.00	
13,400.00	89.24	317.059	4,640.28	6,660.51	-5,200.96	8,418.99	0.00	0.00	0.00	
13,500.00	89.24	317.059	4,641.60	6,733.71	-5,269.08	8,518.98	0.00	0.00	0.00	
13,600.00	89.24	317.059	4,642.92	6,806.91	-5,337.20	8,618.98	0.00	0.00	0.00	
13,700.00	89.24	317.059	4,644.24	6,880.11	-5,405.32	8,718.97	0.00	0.00	0.00	
13,800.00	89.24	317.059	4,645.56	6,953.31	-5,473.44	8,818.96	0.00	0.00	0.00	
13,900.00	89.24	317.059	4,646.88	7,026.51	-5,541.56	8,918.95	0.00	0.00	0.00	
14,000.00	89.24	317.059	4,648.19	7,099.71	-5,609.67	9,018.94	0.00	0.00	0.00	
14,100.00	89.24	317.059	4,649.51	7,172.91	-5,677.79	9,118.93	0.00	0.00	0.00	
14,200.00	89.24	317.059	4,650.83	7,246.10	-5,745.91	9,218.92	0.00	0.00	0.00	
14,300.00	89.24	317.059	4,652.15	7,319.30	-5,814.03	9,318.91	0.00	0.00	0.00	
14,400.00	89.24	317.059	4,653.47	7,392.50	-5,882.15	9,418.91	0.00	0.00	0.00	
14,500.00	89.24	317.059	4,654.79	7,465.70	-5,950.26	9,518.90	0.00	0.00	0.00	
14,600.00	89.24	317.059	4,656.10	7,538.90	-6,018.38	9,618.89	0.00	0.00	0.00	
14,700.00	89.24	317.059	4,657.42	7,612.10	-6,086.50	9,718.88	0.00	0.00	0.00	
14,800.00	89.24	317.059	4,658.74	7,685.30	-6,154.62	9,818.87	0.00	0.00	0.00	
14,900.00	89.24	317.059	4,660.06	7,758.50	-6,222.74	9,918.86	0.00	0.00	0.00	
15,000.00	89.24	317.059	4,661.38	7,831.70	-6,290.86	10,018.85	0.00	0.00	0.00	
15,100.00	89.24	317.059	4,662.70	7,904.90	-6,358.97	10,118.84	0.00	0.00	0.00	
15,200.00	89.24	317.059	4,664.01	7,978.10	-6,427.09	10,218.84	0.00	0.00	0.00	
15,300.00	89.24	317.059	4,665.33	8,051.30	-6,495.21	10,318.83	0.00	0.00	0.00	
15,400.00	89.24	317.059	4,666.65	8,124.50	-6,563.33	10,418.82	0.00	0.00	0.00	
15,500.00	89.24	317.059	4,667.97	8,197.70	-6,631.45	10,518.81	0.00	0.00	0.00	
15,578.27	89.24	317.059	4,669.00	8,254.99	-6,684.76	10,597.07	0.00	0.00	0.00	
PBHL/TD @ 15578.27 MD 4669.00 TVD										



Planning Report

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

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	
4,981.18	4,529.09	7" Intermediate Casing	7	8-3/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
591.00	591.00	Ojo Alamo		0.760	317.059
721.00	721.00	Kirtland		0.760	317.059
931.00	931.00	Fruitland		0.760	317.059
1,311.03	1,310.97	Pictured Cliffs		0.760	317.059
1,411.33	1,410.90	Lewis		0.760	317.059
1,654.81	1,650.52	Chacra_A		0.760	317.059
2,782.06	2,717.31	Cliff House_Basal		0.760	317.059
2,792.63	2,727.28	Menefee		0.760	317.059
3,748.45	3,629.50	Point Lookout		0.760	317.059
3,934.34	3,804.96	Mancos		0.760	317.059
4,288.38	4,144.07	MNCS_A		0.760	317.059
4,410.92	4,252.76	MNCS_B		0.760	317.059
4,520.94	4,339.63	MNCS_C		0.760	317.059
4,645.99	4,421.87	MNCS_Cms		0.760	317.059

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,200.00	1,200.00	0.00	0.00	KOP Begin 3°/100' build	
1,300.00	1,299.95	0.00	2.62	Begin 3°/100' build/turn	
1,842.74	1,830.68	1.94	107.11	Begin 19.28° tangent	
3,970.95	3,839.51	17.04	809.70	Begin 10°/100' build/turn	
4,804.11	4,495.00	371.31	651.67	Begin 10°/100' build	
4,996.56	4,529.50	509.24	523.31	Begin 89.24° lateral	
15,578.27	4,669.00	8,254.99	-6,684.76	PBHL/TD @ 15578.27 MD 4669.00 TVD	



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

<b>Project</b>	San Juan County, New Mexico NAD83 NM W		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Western Zone		

<b>Site</b>	Nageezi Unit (407,408,719,720,721&722)				
<b>Site Position:</b>		<b>Northing:</b>	1,911,944.97 usft	<b>Latitude:</b>	36.25451100
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,738,857.72 usft	<b>Longitude:</b>	-107.77985900
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Nageezi Unit 720H, Surf loc: 2116 FSL 1638 FWL Section 03-T23N-R09W					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,911,958.45 usft	<b>Latitude:</b>	36.25454800
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,738,872.46 usft	<b>Longitude:</b>	-107.77980900
<b>Position Uncertainty</b>	0.00 ft		<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,767.00 ft
<b>Grid Convergence:</b>	0.032 °					

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2020	4/11/2025	8.407	62.673	48,929.21258072

<b>Design</b>	rev0			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	317.059

<b>Plan Survey Tool Program</b>	<b>Date</b>	4/30/2025		
<b>Depth From (ft)</b>	<b>Depth To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	15,578.26 rev0 (Original Hole)	MWD	OWSG MWD - Standard

<b>Plan Sections</b>										
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	
1,200.00	0.00	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,300.00	3.00	90.000	1,299.95	0.00	2.62	3.00	3.00	0.00	90.000	
1,842.74	19.28	88.769	1,830.68	1.94	107.11	3.00	3.00	-0.23	-1.450	
3,970.95	19.28	88.769	3,839.51	17.04	809.70	0.00	0.00	0.00	0.000	
4,804.11	70.00	317.059	4,495.00	371.31	651.67	10.00	6.09	-15.81	-135.065	
4,996.56	89.24	317.059	4,529.50	509.24	523.31	10.00	10.00	0.00	0.000	
15,578.27	89.24	317.059	4,669.00	8,254.99	-6,684.76	0.00	0.00	0.00	0.000	Nageezi 720H LTP 18



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
100.00	0.00	0.000	100.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
200.00	0.00	0.000	200.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
300.00	0.00	0.000	300.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
350.00	0.00	0.000	350.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
<b>9-5/8" Surface Casing</b>										
400.00	0.00	0.000	400.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
500.00	0.00	0.000	500.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
591.00	0.00	0.000	591.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
<b>Ojo Alamo</b>										
600.00	0.00	0.000	600.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
700.00	0.00	0.000	700.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
721.00	0.00	0.000	721.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
<b>Kirtland</b>										
800.00	0.00	0.000	800.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
900.00	0.00	0.000	900.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
931.00	0.00	0.000	931.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
<b>Fruitland</b>										
1,000.00	0.00	0.000	1,000.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
1,100.00	0.00	0.000	1,100.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
1,200.00	0.00	0.000	1,200.00	0.00	0.00	1,911,958.45	2,738,872.46	36.25454800	-107.77980900	
<b>KOP Begin 3°/100' build</b>										
1,300.00	3.00	90.000	1,299.95	0.00	2.62	1,911,958.45	2,738,875.07	36.25454800	-107.77980012	
<b>Begin 3°/100' build/turn</b>										
1,311.03	3.33	89.856	1,310.97	0.00	3.23	1,911,958.45	2,738,875.68	36.25454800	-107.77979805	
<b>Pictured Cliffs</b>										
1,400.00	6.00	89.274	1,399.63	0.07	10.46	1,911,958.52	2,738,882.92	36.25454817	-107.77977351	
1,411.33	6.34	89.235	1,410.90	0.08	11.68	1,911,958.53	2,738,884.14	36.25454821	-107.77976938	
<b>Lewis</b>										
1,500.00	9.00	89.031	1,498.77	0.26	23.51	1,911,958.72	2,738,895.97	36.25454869	-107.77972925	
1,600.00	12.00	88.909	1,597.08	0.59	41.73	1,911,959.05	2,738,914.18	36.25454957	-107.77966747	
1,654.81	13.64	88.865	1,650.52	0.83	53.89	1,911,959.28	2,738,926.34	36.25455020	-107.77962622	
<b>Chacra_A</b>										
1,700.00	15.00	88.835	1,694.31	1.06	65.06	1,911,959.51	2,738,937.52	36.25455080	-107.77958831	
1,800.00	18.00	88.786	1,790.18	1.65	93.45	1,911,960.10	2,738,965.91	36.25455238	-107.77949202	
1,842.74	19.28	88.769	1,830.68	1.94	107.11	1,911,960.39	2,738,979.57	36.25455316	-107.77944570	
<b>Begin 19.28° tangent</b>										
1,900.00	19.28	88.769	1,884.73	2.34	126.02	1,911,960.80	2,738,998.47	36.25455425	-107.77938158	
2,000.00	19.28	88.769	1,979.12	3.05	159.03	1,911,961.51	2,739,031.48	36.25455615	-107.77926961	
2,100.00	19.28	88.769	2,073.51	3.76	192.04	1,911,962.21	2,739,064.50	36.25455805	-107.77915764	
2,200.00	19.28	88.769	2,167.90	4.47	225.05	1,911,962.92	2,739,097.51	36.25455994	-107.77904566	
2,300.00	19.28	88.769	2,262.29	5.18	258.07	1,911,963.63	2,739,130.52	36.25456184	-107.77893369	
2,400.00	19.28	88.769	2,356.68	5.89	291.08	1,911,964.34	2,739,163.54	36.25456374	-107.77882172	
2,500.00	19.28	88.769	2,451.07	6.60	324.09	1,911,965.05	2,739,196.55	36.25456564	-107.77870974	
2,600.00	19.28	88.769	2,545.46	7.31	357.11	1,911,965.76	2,739,229.56	36.25456753	-107.77859777	
2,700.00	19.28	88.769	2,639.85	8.02	390.12	1,911,966.47	2,739,262.58	36.25456943	-107.77848580	
2,782.06	19.28	88.769	2,717.31	8.60	417.21	1,911,967.05	2,739,289.67	36.25457099	-107.77839391	
<b>Cliff House_Basal</b>										
2,792.63	19.28	88.769	2,727.28	8.68	420.70	1,911,967.13	2,739,293.15	36.25457119	-107.77838208	
<b>Menefee</b>										
2,800.00	19.28	88.769	2,734.24	8.73	423.13	1,911,967.18	2,739,295.59	36.25457133	-107.77837382	
2,900.00	19.28	88.769	2,828.63	9.44	456.15	1,911,967.89	2,739,328.60	36.25457323	-107.77826185	
3,000.00	19.28	88.769	2,923.02	10.15	489.16	1,911,968.60	2,739,361.62	36.25457512	-107.77814988	



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	
3,100.00	19.28	88.769	3,017.42	10.86	522.17	1,911,969.31	2,739,394.63	36.25457702	-107.77803791	
3,200.00	19.28	88.769	3,111.81	11.57	555.19	1,911,970.02	2,739,427.64	36.25457892	-107.77792593	
3,300.00	19.28	88.769	3,206.20	12.28	588.20	1,911,970.73	2,739,460.65	36.25458081	-107.77781396	
3,400.00	19.28	88.769	3,300.59	12.99	621.21	1,911,971.44	2,739,493.67	36.25458271	-107.77770199	
3,500.00	19.28	88.769	3,394.98	13.70	654.22	1,911,972.15	2,739,526.68	36.25458461	-107.77759001	
3,600.00	19.28	88.769	3,489.37	14.40	687.24	1,911,972.86	2,739,559.69	36.25458650	-107.77747804	
3,700.00	19.28	88.769	3,583.76	15.11	720.25	1,911,973.57	2,739,592.71	36.25458840	-107.77736607	
3,748.45	19.28	88.769	3,629.50	15.46	736.25	1,911,973.91	2,739,608.70	36.25458932	-107.77731181	
<b>Point Lookout</b>										
3,800.00	19.28	88.769	3,678.15	15.82	753.26	1,911,974.27	2,739,625.72	36.25459030	-107.77725409	
3,900.00	19.28	88.769	3,772.54	16.53	786.28	1,911,974.98	2,739,658.73	36.25459219	-107.77714212	
3,934.34	19.28	88.769	3,804.96	16.78	797.61	1,911,975.23	2,739,670.07	36.25459284	-107.77710367	
<b>Mancos</b>										
3,970.95	19.28	88.769	3,839.51	17.04	809.70	1,911,975.49	2,739,682.15	36.25459354	-107.77706268	
<b>Begin 10°/100' build/turn</b>										
4,000.00	17.34	81.871	3,867.09	17.75	818.78	1,911,976.20	2,739,691.24	36.25459549	-107.77703187	
4,050.00	14.74	66.325	3,915.16	21.36	831.99	1,911,979.81	2,739,704.45	36.25460539	-107.77698705	
4,100.00	13.52	46.348	3,963.68	27.96	842.06	1,911,986.41	2,739,714.51	36.25462348	-107.77695291	
4,150.00	14.06	25.377	4,012.27	37.48	848.89	1,911,995.93	2,739,721.35	36.25464965	-107.77692970	
4,200.00	16.17	7.883	4,060.56	49.87	852.45	1,912,008.32	2,739,724.91	36.25468367	-107.77691761	
4,250.00	19.34	355.149	4,108.19	65.03	852.71	1,912,023.48	2,739,725.16	36.25472530	-107.77691672	
4,288.38	22.23	347.991	4,144.07	78.46	850.66	1,912,036.92	2,739,723.11	36.25476222	-107.77692364	
<b>MNCS_A</b>										
4,300.00	23.15	346.169	4,154.80	82.83	849.65	1,912,041.28	2,739,722.11	36.25477422	-107.77692703	
4,350.00	27.33	339.703	4,200.02	103.16	843.32	1,912,061.61	2,739,715.77	36.25483006	-107.77694848	
4,400.00	31.73	334.874	4,243.52	125.84	833.75	1,912,084.29	2,739,706.20	36.25489239	-107.77698090	
4,410.92	32.71	333.978	4,252.76	131.09	831.23	1,912,089.54	2,739,703.69	36.25490682	-107.77698941	
<b>MNCS_B</b>										
4,450.00	36.27	331.128	4,284.97	150.71	821.02	1,912,109.16	2,739,693.47	36.25496073	-107.77702403	
4,500.00	40.91	328.120	4,324.04	177.58	805.22	1,912,136.03	2,739,677.67	36.25503458	-107.77707756	
4,520.94	42.87	327.024	4,339.63	189.38	797.72	1,912,147.83	2,739,670.17	36.25506700	-107.77710297	
<b>MNCS_C</b>										
4,550.00	45.61	325.631	4,360.45	206.25	786.47	1,912,164.70	2,739,658.93	36.25511335	-107.77714108	
4,600.00	50.36	323.514	4,393.91	236.49	764.93	1,912,194.94	2,739,637.38	36.25519646	-107.77721410	
4,645.99	54.75	321.810	4,421.87	265.50	742.78	1,912,223.95	2,739,615.23	36.25527620	-107.77728917	
<b>MNCS_Cms</b>										
4,650.00	55.14	321.670	4,424.17	268.08	740.74	1,912,226.53	2,739,613.20	36.25528328	-107.77729606	
4,700.00	59.94	320.030	4,451.00	300.77	714.11	1,912,259.22	2,739,586.56	36.25537314	-107.77738635	
4,750.00	64.76	318.542	4,474.19	334.32	685.22	1,912,292.78	2,739,557.67	36.25546535	-107.77748427	
4,804.11	70.00	317.059	4,495.00	371.31	651.67	1,912,329.76	2,739,524.12	36.25556700	-107.77759800	
<b>Begin 10°/100' build</b>										
4,850.00	74.59	317.059	4,508.95	403.30	621.90	1,912,361.75	2,739,494.35	36.25565493	-107.77769891	
4,900.00	79.59	317.059	4,520.12	438.97	588.71	1,912,397.42	2,739,461.16	36.25575296	-107.77781141	
4,950.00	84.59	317.059	4,527.00	475.21	554.98	1,912,433.66	2,739,427.43	36.25585257	-107.77792574	
4,981.18	87.71	317.059	4,529.09	497.98	533.79	1,912,456.43	2,739,406.24	36.25591516	-107.77799757	
<b>7" Intermediate Casing</b>										
4,996.56	89.24	317.059	4,529.50	509.24	523.31	1,912,467.69	2,739,395.77	36.25594610	-107.77803307	
<b>Begin 89.24° lateral</b>										
5,000.00	89.24	317.059	4,529.55	511.75	520.97	1,912,470.20	2,739,393.43	36.25595302	-107.77804101	
5,100.00	89.24	317.059	4,530.87	584.95	452.85	1,912,543.40	2,739,325.31	36.25615421	-107.77827191	
5,200.00	89.24	317.059	4,532.19	658.15	384.73	1,912,616.60	2,739,257.19	36.25635540	-107.77850282	
5,300.00	89.24	317.059	4,533.50	731.35	316.62	1,912,689.80	2,739,189.07	36.25656559	-107.77873372	
5,400.00	89.24	317.059	4,534.82	804.55	248.50	1,912,763.00	2,739,120.95	36.25675778	-107.77896463	



Planning Report - Geographic

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<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	
5,500.00	89.24	317.059	4,536.14	877.75	180.38	1,912,836.20	2,739,052.84	36.25695897	-107.77919553	
5,600.00	89.24	317.059	4,537.46	950.95	112.26	1,912,909.40	2,738,984.72	36.25716015	-107.77942644	
5,700.00	89.24	317.059	4,538.78	1,024.15	44.14	1,912,982.60	2,738,916.60	36.25736134	-107.77965735	
5,800.00	89.24	317.059	4,540.10	1,097.35	-23.98	1,913,055.80	2,738,848.48	36.25756253	-107.77988826	
5,900.00	89.24	317.059	4,541.41	1,170.55	-92.09	1,913,129.00	2,738,780.36	36.25776372	-107.78011917	
6,000.00	89.24	317.059	4,542.73	1,243.75	-160.21	1,913,202.20	2,738,712.25	36.25796490	-107.78035008	
6,100.00	89.24	317.059	4,544.05	1,316.95	-228.33	1,913,275.40	2,738,644.13	36.25816609	-107.78058100	
6,200.00	89.24	317.059	4,545.37	1,390.15	-296.45	1,913,348.59	2,738,576.01	36.25836727	-107.78081191	
6,300.00	89.24	317.059	4,546.69	1,463.35	-364.57	1,913,421.79	2,738,507.89	36.25856846	-107.78104283	
6,400.00	89.24	317.059	4,548.01	1,536.54	-432.69	1,913,494.99	2,738,439.77	36.25876964	-107.78127375	
6,500.00	89.24	317.059	4,549.32	1,609.74	-500.80	1,913,568.19	2,738,371.65	36.25897083	-107.78150466	
6,600.00	89.24	317.059	4,550.64	1,682.94	-568.92	1,913,641.39	2,738,303.54	36.25917201	-107.78173558	
6,700.00	89.24	317.059	4,551.96	1,756.14	-637.04	1,913,714.59	2,738,235.42	36.25937320	-107.78196651	
6,800.00	89.24	317.059	4,553.28	1,829.34	-705.16	1,913,787.79	2,738,167.30	36.25957438	-107.78219743	
6,900.00	89.24	317.059	4,554.60	1,902.54	-773.28	1,913,860.99	2,738,099.18	36.25977556	-107.78242835	
7,000.00	89.24	317.059	4,555.91	1,975.74	-841.39	1,913,934.19	2,738,031.06	36.25997674	-107.78265928	
7,100.00	89.24	317.059	4,557.23	2,048.94	-909.51	1,914,007.39	2,737,962.95	36.26017793	-107.78289020	
7,200.00	89.24	317.059	4,558.55	2,122.14	-977.63	1,914,080.59	2,737,894.83	36.26037911	-107.78312113	
7,300.00	89.24	317.059	4,559.87	2,195.34	-1,045.75	1,914,153.79	2,737,826.71	36.26058029	-107.78335206	
7,400.00	89.24	317.059	4,561.19	2,268.54	-1,113.87	1,914,226.99	2,737,758.59	36.26078147	-107.78358298	
7,500.00	89.24	317.059	4,562.51	2,341.74	-1,181.99	1,914,300.19	2,737,690.47	36.26098265	-107.78381391	
7,600.00	89.24	317.059	4,563.82	2,414.94	-1,250.10	1,914,373.39	2,737,622.36	36.26118383	-107.78404485	
7,700.00	89.24	317.059	4,565.14	2,488.14	-1,318.22	1,914,446.58	2,737,554.24	36.26138501	-107.78427578	
7,800.00	89.24	317.059	4,566.46	2,561.34	-1,386.34	1,914,519.78	2,737,486.12	36.26158619	-107.78450671	
7,900.00	89.24	317.059	4,567.78	2,634.54	-1,454.46	1,914,592.98	2,737,418.00	36.26178736	-107.78473765	
8,000.00	89.24	317.059	4,569.10	2,707.74	-1,522.58	1,914,666.18	2,737,349.88	36.26198854	-107.78496858	
8,100.00	89.24	317.059	4,570.42	2,780.94	-1,590.70	1,914,739.38	2,737,281.76	36.26218972	-107.78519952	
8,200.00	89.24	317.059	4,571.73	2,854.14	-1,658.81	1,914,812.58	2,737,213.65	36.26239089	-107.78543046	
8,300.00	89.24	317.059	4,573.05	2,927.34	-1,726.93	1,914,885.78	2,737,145.53	36.26259207	-107.78566140	
8,400.00	89.24	317.059	4,574.37	3,000.53	-1,795.05	1,914,958.98	2,737,077.41	36.26279325	-107.78589234	
8,500.00	89.24	317.059	4,575.69	3,073.73	-1,863.17	1,915,032.18	2,737,009.29	36.26299442	-107.78612328	
8,600.00	89.24	317.059	4,577.01	3,146.93	-1,931.29	1,915,105.38	2,736,941.17	36.26319560	-107.78635423	
8,700.00	89.24	317.059	4,578.33	3,220.13	-1,999.41	1,915,178.58	2,736,873.06	36.26339677	-107.78658517	
8,800.00	89.24	317.059	4,579.64	3,293.33	-2,067.52	1,915,251.78	2,736,804.94	36.26359795	-107.78681612	
8,900.00	89.24	317.059	4,580.96	3,366.53	-2,135.64	1,915,324.98	2,736,736.82	36.26379912	-107.78704706	
9,000.00	89.24	317.059	4,582.28	3,439.73	-2,203.76	1,915,398.18	2,736,668.70	36.26400029	-107.78727801	
9,100.00	89.24	317.059	4,583.60	3,512.93	-2,271.88	1,915,471.38	2,736,600.58	36.26420146	-107.78750896	
9,200.00	89.24	317.059	4,584.92	3,586.13	-2,340.00	1,915,544.57	2,736,532.46	36.26440264	-107.78773991	
9,300.00	89.24	317.059	4,586.24	3,659.33	-2,408.11	1,915,617.77	2,736,464.35	36.26460381	-107.78797086	
9,400.00	89.24	317.059	4,587.55	3,732.53	-2,476.23	1,915,690.97	2,736,396.23	36.26480498	-107.78820182	
9,500.00	89.24	317.059	4,588.87	3,805.73	-2,544.35	1,915,764.17	2,736,328.11	36.26500615	-107.78843277	
9,600.00	89.24	317.059	4,590.19	3,878.93	-2,612.47	1,915,837.37	2,736,259.99	36.26520732	-107.78866373	
9,700.00	89.24	317.059	4,591.51	3,952.13	-2,680.59	1,915,910.57	2,736,191.87	36.26540849	-107.78889468	
9,800.00	89.24	317.059	4,592.83	4,025.33	-2,748.71	1,915,983.77	2,736,123.76	36.26560966	-107.78912564	
9,900.00	89.24	317.059	4,594.14	4,098.53	-2,816.82	1,916,056.97	2,736,055.64	36.26581083	-107.78935660	
10,000.00	89.24	317.059	4,595.46	4,171.73	-2,884.94	1,916,130.17	2,735,987.52	36.26601200	-107.78958756	
10,100.00	89.24	317.059	4,596.78	4,244.93	-2,953.06	1,916,203.37	2,735,919.40	36.26621317	-107.78981852	
10,200.00	89.24	317.059	4,598.10	4,318.13	-3,021.18	1,916,276.57	2,735,851.28	36.26641433	-107.79004948	
10,300.00	89.24	317.059	4,599.42	4,391.32	-3,089.30	1,916,349.77	2,735,783.17	36.26661550	-107.79028045	
10,400.00	89.24	317.059	4,600.74	4,464.52	-3,157.42	1,916,422.97	2,735,715.05	36.26681667	-107.79051141	
10,500.00	89.24	317.059	4,602.05	4,537.72	-3,225.53	1,916,496.17	2,735,646.93	36.26701783	-107.79074238	
10,600.00	89.24	317.059	4,603.37	4,610.92	-3,293.65	1,916,569.37	2,735,578.81	36.26721900	-107.79097334	
10,700.00	89.24	317.059	4,604.69	4,684.12	-3,361.77	1,916,642.56	2,735,510.69	36.26742017	-107.79120431	
10,800.00	89.24	317.059	4,606.01	4,757.32	-3,429.89	1,916,715.76	2,735,442.57	36.26762133	-107.79143528	
10,900.00	89.24	317.059	4,607.33	4,830.52	-3,498.01	1,916,788.96	2,735,374.46	36.26782250	-107.79166625	



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	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	
11,000.00	89.24	317.059	4,608.65	4,903.72	-3,566.13	1,916,862.16	2,735,306.34	36.26802366	-107.79189722	
11,100.00	89.24	317.059	4,609.96	4,976.92	-3,634.24	1,916,935.36	2,735,238.22	36.26822482	-107.79212820	
11,200.00	89.24	317.059	4,611.28	5,050.12	-3,702.36	1,917,008.56	2,735,170.10	36.26842599	-107.79235917	
11,300.00	89.24	317.059	4,612.60	5,123.32	-3,770.48	1,917,081.76	2,735,101.98	36.26862715	-107.79259015	
11,400.00	89.24	317.059	4,613.92	5,196.52	-3,838.60	1,917,154.96	2,735,033.87	36.26882831	-107.79282112	
11,500.00	89.24	317.059	4,615.24	5,269.72	-3,906.72	1,917,228.16	2,734,965.75	36.26902947	-107.79305210	
11,600.00	89.24	317.059	4,616.56	5,342.92	-3,974.83	1,917,301.36	2,734,897.63	36.26923063	-107.79328308	
11,700.00	89.24	317.059	4,617.87	5,416.12	-4,042.95	1,917,374.56	2,734,829.51	36.26943180	-107.79351406	
11,800.00	89.24	317.059	4,619.19	5,489.32	-4,111.07	1,917,447.76	2,734,761.39	36.26963296	-107.79374504	
11,900.00	89.24	317.059	4,620.51	5,562.52	-4,179.19	1,917,520.96	2,734,693.28	36.26983412	-107.79397602	
12,000.00	89.24	317.059	4,621.83	5,635.72	-4,247.31	1,917,594.16	2,734,625.16	36.27003528	-107.79420701	
12,100.00	89.24	317.059	4,623.15	5,708.92	-4,315.43	1,917,667.36	2,734,557.04	36.27023643	-107.79443799	
12,200.00	89.24	317.059	4,624.47	5,782.11	-4,383.54	1,917,740.55	2,734,488.92	36.27043759	-107.79466898	
12,300.00	89.24	317.059	4,625.78	5,855.31	-4,451.66	1,917,813.75	2,734,420.80	36.27063875	-107.79489996	
12,400.00	89.24	317.059	4,627.10	5,928.51	-4,519.78	1,917,886.95	2,734,352.68	36.27083991	-107.79513095	
12,500.00	89.24	317.059	4,628.42	6,001.71	-4,587.90	1,917,960.15	2,734,284.57	36.27104107	-107.79536194	
12,600.00	89.24	317.059	4,629.74	6,074.91	-4,656.02	1,918,033.35	2,734,216.45	36.27124222	-107.79559293	
12,700.00	89.24	317.059	4,631.06	6,148.11	-4,724.14	1,918,106.55	2,734,148.33	36.27144338	-107.79582392	
12,800.00	89.24	317.059	4,632.37	6,221.31	-4,792.25	1,918,179.75	2,734,080.21	36.27164454	-107.79605492	
12,900.00	89.24	317.059	4,633.69	6,294.51	-4,860.37	1,918,252.95	2,734,012.09	36.27184569	-107.79628591	
13,000.00	89.24	317.059	4,635.01	6,367.71	-4,928.49	1,918,326.15	2,733,943.98	36.27204685	-107.79651691	
13,100.00	89.24	317.059	4,636.33	6,440.91	-4,996.61	1,918,399.35	2,733,875.86	36.27224800	-107.79674790	
13,200.00	89.24	317.059	4,637.65	6,514.11	-5,064.73	1,918,472.55	2,733,807.74	36.27244915	-107.79697890	
13,300.00	89.24	317.059	4,638.97	6,587.31	-5,132.85	1,918,545.75	2,733,739.62	36.27265031	-107.79720990	
13,400.00	89.24	317.059	4,640.28	6,660.51	-5,200.96	1,918,618.95	2,733,671.50	36.27285146	-107.79744090	
13,500.00	89.24	317.059	4,641.60	6,733.71	-5,269.08	1,918,692.15	2,733,603.39	36.27305261	-107.79767190	
13,600.00	89.24	317.059	4,642.92	6,806.91	-5,337.20	1,918,765.35	2,733,535.27	36.27325377	-107.79790291	
13,700.00	89.24	317.059	4,644.24	6,880.11	-5,405.32	1,918,838.54	2,733,467.15	36.27345492	-107.79813391	
13,800.00	89.24	317.059	4,645.56	6,953.31	-5,473.44	1,918,911.74	2,733,399.03	36.27365607	-107.79836491	
13,900.00	89.24	317.059	4,646.88	7,026.51	-5,541.56	1,918,984.94	2,733,330.91	36.27385722	-107.79859592	
14,000.00	89.24	317.059	4,648.19	7,099.71	-5,609.67	1,919,058.14	2,733,262.79	36.27405837	-107.79882693	
14,100.00	89.24	317.059	4,649.51	7,172.91	-5,677.79	1,919,131.34	2,733,194.68	36.27425952	-107.79905794	
14,200.00	89.24	317.059	4,650.83	7,246.10	-5,745.91	1,919,204.54	2,733,126.56	36.27446067	-107.79928895	
14,300.00	89.24	317.059	4,652.15	7,319.30	-5,814.03	1,919,277.74	2,733,058.44	36.27466182	-107.79951996	
14,400.00	89.24	317.059	4,653.47	7,392.50	-5,882.15	1,919,350.94	2,732,990.32	36.27486297	-107.79975097	
14,500.00	89.24	317.059	4,654.79	7,465.70	-5,950.26	1,919,424.14	2,732,922.20	36.27506412	-107.79998198	
14,600.00	89.24	317.059	4,656.10	7,538.90	-6,018.38	1,919,497.34	2,732,854.09	36.27526526	-107.80021300	
14,700.00	89.24	317.059	4,657.42	7,612.10	-6,086.50	1,919,570.54	2,732,785.97	36.27546641	-107.80044401	
14,800.00	89.24	317.059	4,658.74	7,685.30	-6,154.62	1,919,643.74	2,732,717.85	36.27566756	-107.80067503	
14,900.00	89.24	317.059	4,660.06	7,758.50	-6,222.74	1,919,716.94	2,732,649.73	36.27586870	-107.80090605	
15,000.00	89.24	317.059	4,661.38	7,831.70	-6,290.86	1,919,790.14	2,732,581.61	36.27606985	-107.80113707	
15,100.00	89.24	317.059	4,662.70	7,904.90	-6,358.97	1,919,863.34	2,732,513.50	36.27627100	-107.80136809	
15,200.00	89.24	317.059	4,664.01	7,978.10	-6,427.09	1,919,936.53	2,732,445.38	36.27647214	-107.80159911	
15,300.00	89.24	317.059	4,665.33	8,051.30	-6,495.21	1,920,009.73	2,732,377.26	36.27667329	-107.80183013	
15,400.00	89.24	317.059	4,666.65	8,124.50	-6,563.33	1,920,082.93	2,732,309.14	36.27687443	-107.80206116	
15,500.00	89.24	317.059	4,667.97	8,197.70	-6,631.45	1,920,156.13	2,732,241.02	36.27707557	-107.80229218	
15,578.27	89.24	317.059	4,669.00	8,254.99	-6,684.76	1,920,213.42	2,732,187.71	36.27723300	-107.80247300	

PBHL/TD @ 15578.27 MD 4669.00 TVD



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Nageezi 720H vert - plan misses target center by 93.89ft at 4114.09ft MD (3977.38 TVD, 30.35 N, 844.31 E) - Point	0.00	0.000	3,955.61	95.33	908.49	1,912,053.78	2,739,780.94	36.25480846	-107.77672745
Nageezi 720H FTP 2492 - plan misses target center by 32.07ft at 4814.46ft MD (4498.45 TVD, 378.45 N, 645.02 E) - Point	0.00	0.000	4,529.00	371.31	651.67	1,912,329.76	2,739,524.12	36.25556700	-107.77759800
Nageezi 720H vs=0 - plan misses target center by 0.06ft at 4980.26ft MD (4529.06 TVD, 497.31 N, 534.41 E) - Point	0.00	0.000	4,529.00	497.31	534.41	1,912,455.76	2,739,406.87	36.25591332	-107.77799546
Nageezi 720H LTP 187 I - plan hits target center - Point	0.00	0.000	4,669.00	8,254.99	-6,684.76	1,920,213.42	2,732,187.71	36.27723300	-107.80247300

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	
4,981.18	4,529.09	7" Intermediate Casing	7	8-3/4	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
591.00	591.00	Ojo Alamo		0.760	317.059
721.00	721.00	Kirtland		0.760	317.059
931.00	931.00	Fruitland		0.760	317.059
1,311.03	1,310.97	Pictured Cliffs		0.760	317.059
1,411.33	1,410.90	Lewis		0.760	317.059
1,654.81	1,650.52	Chacra_A		0.760	317.059
2,782.06	2,717.31	Cliff House_Basal		0.760	317.059
2,792.63	2,727.28	Menefee		0.760	317.059
3,748.45	3,629.50	Point Lookout		0.760	317.059
3,934.34	3,804.96	Mancos		0.760	317.059
4,288.38	4,144.07	MNCS_A		0.760	317.059
4,410.92	4,252.76	MNCS_B		0.760	317.059
4,520.94	4,339.63	MNCS_C		0.760	317.059
4,645.99	4,421.87	MNCS_Cms		0.760	317.059



Planning Report - Geographic

<b>Database:</b>	DT_Jul1724_v17	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Company:</b>	Enduring Resources LLC	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>North Reference:</b>	Grid
<b>Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Original Hole		
<b>Design:</b>	rev0		

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,200.00	1,200.00	0.00	0.00	KOP Begin 3°/100' build	
1,300.00	1,299.95	0.00	2.62	Begin 3°/100' build/turn	
1,842.74	1,830.68	1.94	107.11	Begin 19.28° tangent	
3,970.95	3,839.51	17.04	809.70	Begin 10°/100' build/turn	
4,804.11	4,495.00	371.31	651.67	Begin 10°/100' build	
4,996.56	4,529.50	509.24	523.31	Begin 89.24° lateral	
15,578.27	4,669.00	8,254.99	-6,684.76	PBHL/TD @ 15578.27 MD 4669.00 TVD	



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	rev0		
<b>Filter type:</b>	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
<b>Interpolation Method:</b>	MD Interval 100.00ft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum centre distance of 1,757.83ft	<b>Error Surface:</b>	Ellipsoid Separation
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	4/11/2025		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	15,578.26	rev0 (Original Hole)	MWD	OWSG MWD - Standard

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Summary</b>						
<b>Offset Well - Wellbore - Design</b>						
Nageezi Unit (407,408,719,720,721&722)						
Nageezi Unit 407H - Original Hole - rev0	1,362.61	1,363.56	15.46	5.89	1.616	Level 3<2.00, CC
Nageezi Unit 407H - Original Hole - rev0	1,400.00	1,400.93	15.63	5.80	1.590	Level 3<2.00, ES, SF
Nageezi Unit 408H - Original Hole - rev0	1,754.64	1,748.79	29.53	17.06	2.368	CC, ES, SF
Nageezi Unit 719H - Original Hole - rev0	1,000.00	1,000.00	39.94	32.94	5.704	CC, ES
Nageezi Unit 719H - Original Hole - rev0	14,300.00	13,923.36	1,201.08	767.49	2.770	SF
Nageezi Unit 721H - Original Hole - rev0	1,000.00	1,000.00	59.88	52.88	8.553	CC, ES
Nageezi Unit 721H - Original Hole - rev0	4,904.45	4,896.51	103.03	65.28	2.729	SF
Nageezi Unit 722H - Original Hole - rev0	1,249.10	1,249.83	13.11	4.34	1.495	Level 3<2.00, CC, ES, SF

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 407H - Original Hole - rev0												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
							+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
0.00	0.00	0.00	0.00	0.00	0.00	-132.448	-13.48	-14.73	19.97				
100.00	100.00	100.00	100.00	0.27	0.27	-132.448	-13.48	-14.73	19.97	19.42	0.55	36.408	
200.00	200.00	200.00	200.00	0.63	0.63	-132.448	-13.48	-14.73	19.97	18.70	1.27	15.780	
300.00	300.00	300.00	300.00	0.99	0.99	-132.448	-13.48	-14.73	19.97	17.99	1.98	10.073	
400.00	400.00	400.00	400.00	1.35	1.35	-132.448	-13.48	-14.73	19.97	17.27	2.70	7.398	
500.00	500.00	500.00	500.00	1.71	1.71	-132.448	-13.48	-14.73	19.97	16.55	3.42	5.845	
600.00	600.00	600.00	600.00	2.07	2.07	-132.448	-13.48	-14.73	19.97	15.84	4.13	4.831	
700.00	700.00	700.00	700.00	2.43	2.43	-132.448	-13.48	-14.73	19.97	15.12	4.85	4.117	
800.00	800.00	800.00	800.00	2.78	2.78	-132.448	-13.48	-14.73	19.97	14.40	5.57	3.587	
900.00	900.00	900.00	900.00	3.14	3.14	-132.448	-13.48	-14.73	19.97	13.68	6.28	3.178	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-132.448	-13.48	-14.73	19.97	12.97	7.00	2.852	
1,100.00	1,100.00	1,100.00	1,100.00	3.86	3.86	-132.448	-13.48	-14.73	19.97	12.25	7.72	2.587	
1,200.00	1,200.00	1,200.62	1,200.57	4.22	4.21	-138.565	-13.70	-12.09	18.28	9.86	8.42	2.170	
1,300.00	1,299.95	1,300.92	1,300.54	4.57	4.56	115.497	-14.37	-4.21	15.92	6.80	9.12	1.746	Level 3<2.00
1,362.61	1,362.41	1,363.56	1,362.73	4.79	4.78	103.926	-15.01	3.36	15.46	5.89	9.56	1.616	Level 3<2.00, CC
1,400.00	1,399.63	1,400.93	1,399.68	4.91	4.92	96.665	-15.47	8.84	15.63	5.80	9.83	1.590	Level 3<2.00, ES, SF
1,500.00	1,498.77	1,500.65	1,497.72	5.27	5.29	79.193	-17.01	26.99	17.66	7.12	10.53	1.676	Level 3<2.00
1,600.00	1,597.08	1,600.00	1,594.31	5.65	5.69	66.906	-18.97	50.11	21.47	10.28	11.19	1.918	Level 3<2.00
1,700.00	1,694.31	1,699.24	1,689.46	6.05	6.14	59.269	-21.35	78.17	26.41	14.55	11.86	2.226	
1,800.00	1,790.18	1,798.55	1,783.23	6.49	6.63	55.342	-24.11	110.73	31.78	19.18	12.60	2.522	

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 407H - Original Hole - rev0														Offset Site Error:	0.00 ft		
Survey Program: 0-MWD														Rule Assigned:		Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning				
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)							
1,900.00	1,884.73	1,898.48	1,877.30	6.98	7.16	57.189	-26.96	144.33	35.34	21.78	13.56	2.607					
2,000.00	1,979.12	1,998.41	1,971.37	7.50	7.72	59.325	-29.81	177.93	38.69	24.11	14.58	2.653					
2,100.00	2,073.51	2,098.35	2,065.44	8.04	8.30	61.118	-32.65	211.53	42.08	26.43	15.65	2.689					
2,200.00	2,167.90	2,198.28	2,159.52	8.60	8.89	62.643	-35.50	245.13	45.51	28.75	16.75	2.716					
2,300.00	2,262.29	2,298.21	2,253.59	9.18	9.50	63.954	-38.35	278.73	48.96	31.07	17.89	2.737					
2,400.00	2,356.68	2,398.15	2,347.67	9.77	10.12	65.091	-41.20	312.33	52.44	33.39	19.05	2.753					
2,500.00	2,451.07	2,498.08	2,441.74	10.38	10.75	66.086	-44.04	345.93	55.93	35.70	20.23	2.765					
2,600.00	2,545.46	2,598.02	2,535.81	10.99	11.39	66.964	-46.89	379.53	59.44	38.01	21.43	2.773					
2,700.00	2,639.85	2,697.95	2,629.89	11.61	12.03	67.745	-49.74	413.13	62.97	40.31	22.65	2.780					
2,800.00	2,734.24	2,797.89	2,723.96	12.24	12.68	68.442	-52.59	446.73	66.50	42.62	23.88	2.784					
2,900.00	2,828.63	2,897.82	2,818.03	12.87	13.34	69.069	-55.43	480.33	70.04	44.91	25.12	2.788					
3,000.00	2,923.02	2,997.76	2,912.11	13.51	13.99	69.635	-58.28	513.93	73.59	47.21	26.38	2.790					
3,100.00	3,017.42	3,097.69	3,006.18	14.15	14.66	70.150	-61.13	547.53	77.14	49.51	27.64	2.791					
3,200.00	3,111.81	3,197.62	3,100.25	14.79	15.32	70.619	-63.98	581.13	80.70	51.80	28.91	2.792					
3,300.00	3,206.20	3,297.56	3,194.33	15.44	15.99	71.048	-66.82	614.73	84.27	54.09	30.18	2.792					
3,400.00	3,300.59	3,397.49	3,288.40	16.09	16.66	71.443	-69.67	648.33	87.84	56.38	31.46	2.792					
3,500.00	3,394.98	3,497.43	3,382.47	16.74	17.33	71.806	-72.52	681.93	91.41	58.66	32.75	2.791					
3,600.00	3,489.37	3,597.36	3,476.55	17.40	18.00	72.143	-75.37	715.53	94.99	60.95	34.04	2.791					
3,700.00	3,583.76	3,698.25	3,571.71	18.06	18.67	72.768	-78.19	748.90	98.35	62.96	35.39	2.779					
3,800.00	3,678.15	3,800.05	3,669.16	18.71	19.29	75.812	-80.68	778.18	100.07	63.10	36.97	2.707					
3,900.00	3,772.54	3,901.10	3,767.31	19.37	19.83	81.636	-82.70	802.09	100.62	61.94	38.68	2.601					
4,000.00	3,867.09	4,000.94	3,865.40	20.03	20.30	96.508	-84.27	820.60	102.05	61.81	40.24	2.536					
4,100.00	3,963.68	4,099.98	3,963.52	20.55	20.69	136.958	-85.40	833.89	113.65	72.44	41.21	2.758					
4,200.00	4,060.56	4,197.31	4,060.50	20.91	21.02	176.373	-86.08	841.99	136.36	94.48	41.87	3.256					
4,300.00	4,154.80	4,291.58	4,154.71	21.13	21.29	-163.363	-86.35	845.14	169.24	126.88	42.36	3.995					
4,400.00	4,243.52	4,380.39	4,243.52	21.25	21.51	-154.554	-86.36	845.22	212.51	169.87	42.64	4.984					
4,500.00	4,324.04	4,462.44	4,325.57	21.30	21.71	-150.498	-86.35	845.21	266.94	224.27	42.67	6.255					
4,600.00	4,393.91	4,602.32	4,463.95	21.29	21.96	-151.521	-73.21	832.98	324.73	283.14	41.58	7.809					
4,700.00	4,451.00	4,787.18	4,632.58	21.26	22.09	-153.143	-19.20	782.72	374.25	336.67	37.58	9.958					
4,800.00	4,493.58	5,032.60	4,804.36	21.25	22.18	-154.800	107.18	665.11	406.18	375.99	30.18	13.457					
4,900.00	4,520.12	5,319.14	4,893.21	21.30	22.81	-155.404	304.31	481.66	410.83	384.91	25.92	15.847					
4,999.90	4,529.84	5,439.26	4,895.69	21.49	23.50	-155.067	392.22	399.86	403.49	376.17	27.32	14.769					
5,000.00	4,529.55	5,439.37	4,895.69	21.49	23.50	-155.084	392.30	399.78	403.75	376.44	27.31	14.782					
5,100.00	4,530.87	5,539.37	4,897.02	21.99	24.35	-155.085	465.50	331.66	403.76	375.18	28.59	14.123					
5,200.00	4,532.19	5,639.37	4,898.36	22.92	25.43	-155.086	538.70	263.54	403.78	373.81	29.97	13.472					
5,300.00	4,533.50	5,739.37	4,899.69	24.17	26.71	-155.087	611.90	195.42	403.79	372.35	31.44	12.842					
5,400.00	4,534.82	5,839.37	4,901.02	25.61	28.14	-155.087	685.09	127.31	403.81	370.82	32.99	12.241					
5,500.00	4,536.14	5,939.37	4,902.36	27.20	29.70	-155.088	758.29	59.19	403.82	369.23	34.60	11.672					
5,600.00	4,537.46	6,039.37	4,903.69	28.89	31.35	-155.089	831.49	-8.93	403.84	367.58	36.26	11.138					
5,700.00	4,538.78	6,139.37	4,905.03	30.65	33.08	-155.090	904.69	-77.05	403.85	365.89	37.96	10.639					
5,800.00	4,540.10	6,239.37	4,906.36	32.48	34.88	-155.091	977.89	-145.17	403.87	364.17	39.70	10.174					
5,900.00	4,541.41	6,339.37	4,907.70	34.37	36.73	-155.092	1,051.09	-213.29	403.88	362.42	41.46	9.741					
6,000.00	4,542.73	6,439.37	4,909.03	36.29	38.63	-155.092	1,124.29	-281.41	403.90	360.65	43.25	9.339					
6,100.00	4,544.05	6,539.37	4,910.36	38.26	40.57	-155.093	1,197.48	-349.53	403.91	358.86	45.05	8.966					
6,200.00	4,545.37	6,639.37	4,911.70	40.25	42.54	-155.094	1,270.68	-417.65	403.93	357.06	46.87	8.618					
6,300.00	4,546.69	6,739.37	4,913.03	42.27	44.54	-155.095	1,343.88	-485.76	403.94	355.24	48.70	8.295					
6,400.00	4,548.01	6,839.37	4,914.37	44.32	46.56	-155.096	1,417.08	-553.88	403.96	353.42	50.54	7.994					
6,500.00	4,549.32	6,939.37	4,915.70	46.38	48.61	-155.096	1,490.28	-622.00	403.97	351.59	52.38	7.713					
6,600.00	4,550.64	7,039.37	4,917.03	48.47	50.67	-155.097	1,563.48	-690.12	403.99	349.76	54.22	7.450					
6,700.00	4,551.96	7,139.37	4,918.37	50.56	52.75	-155.098	1,636.68	-758.24	404.00	347.93	56.07	7.205					
6,800.00	4,553.28	7,239.37	4,919.70	52.68	54.85	-155.099	1,709.88	-826.36	404.02	346.10	57.92	6.975					
6,900.00	4,554.60	7,339.37	4,921.04	54.80	56.96	-155.100	1,783.07	-894.48	404.03	344.26	59.77	6.760					

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 407H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
7,000.00	4,555.91	7,439.37	4,922.37	56.94	59.08	-155.101	1,856.27	-962.60	404.04	342.43	61.61	6.558		
7,100.00	4,557.23	7,539.37	4,923.70	59.08	61.21	-155.101	1,929.47	-1,030.71	404.06	340.60	63.46	6.367		
7,200.00	4,558.55	7,639.37	4,925.04	61.23	63.35	-155.102	2,002.67	-1,098.83	404.07	338.77	65.30	6.188		
7,300.00	4,559.87	7,739.37	4,926.37	63.40	65.50	-155.103	2,075.87	-1,166.95	404.09	336.95	67.14	6.018		
7,400.00	4,561.19	7,839.37	4,927.71	65.56	67.66	-155.104	2,149.07	-1,235.07	404.10	335.13	68.98	5.859		
7,500.00	4,562.51	7,939.37	4,929.04	67.74	69.82	-155.105	2,222.27	-1,303.19	404.12	333.31	70.81	5.707		
7,600.00	4,563.82	8,039.37	4,930.38	69.92	71.99	-155.106	2,295.47	-1,371.31	404.13	331.50	72.64	5.564		
7,700.00	4,565.14	8,139.37	4,931.71	72.10	74.17	-155.106	2,368.66	-1,439.43	404.15	329.69	74.46	5.428		
7,800.00	4,566.46	8,239.37	4,933.04	74.29	76.35	-155.107	2,441.86	-1,507.55	404.16	327.89	76.28	5.299		
7,900.00	4,567.78	8,339.37	4,934.38	76.49	78.53	-155.108	2,515.06	-1,575.66	404.18	326.09	78.09	5.176		
8,000.00	4,569.10	8,439.37	4,935.71	78.69	80.72	-155.109	2,588.26	-1,643.78	404.19	324.29	79.90	5.059		
8,100.00	4,570.42	8,539.37	4,937.05	80.89	82.92	-155.110	2,661.46	-1,711.90	404.21	322.50	81.70	4.947		
8,200.00	4,571.73	8,639.37	4,938.38	83.10	85.12	-155.110	2,734.66	-1,780.02	404.22	320.72	83.50	4.841		
8,300.00	4,573.05	8,739.37	4,939.71	85.30	87.32	-155.111	2,807.86	-1,848.14	404.24	318.94	85.30	4.739		
8,400.00	4,574.37	8,839.37	4,941.05	87.52	89.52	-155.112	2,881.05	-1,916.26	404.25	317.16	87.09	4.642		
8,500.00	4,575.69	8,939.37	4,942.38	89.73	91.73	-155.113	2,954.25	-1,984.38	404.27	315.39	88.87	4.549		
8,600.00	4,577.01	9,039.37	4,943.72	91.95	93.94	-155.114	3,027.45	-2,052.50	404.28	313.63	90.65	4.460		
8,700.00	4,578.33	9,139.37	4,945.05	94.17	96.16	-155.115	3,100.65	-2,120.62	404.30	311.87	92.43	4.374		
8,800.00	4,579.64	9,239.37	4,946.38	96.39	98.37	-155.115	3,173.85	-2,188.73	404.31	310.11	94.20	4.292		
8,900.00	4,580.96	9,339.37	4,947.72	98.61	100.59	-155.116	3,247.05	-2,256.85	404.33	308.36	95.97	4.213		
9,000.00	4,582.28	9,439.37	4,949.05	100.84	102.81	-155.117	3,320.25	-2,324.97	404.34	306.61	97.73	4.137		
9,100.00	4,583.60	9,539.37	4,950.39	103.07	105.04	-155.118	3,393.45	-2,393.09	404.35	304.87	99.49	4.064		
9,200.00	4,584.92	9,639.37	4,951.72	105.30	107.26	-155.119	3,466.64	-2,461.21	404.37	303.13	101.24	3.994		
9,300.00	4,586.24	9,739.37	4,953.06	107.53	109.49	-155.120	3,539.84	-2,529.33	404.38	301.39	102.99	3.926		
9,400.00	4,587.55	9,839.37	4,954.39	109.76	111.71	-155.120	3,613.04	-2,597.45	404.40	299.66	104.74	3.861		
9,500.00	4,588.87	9,939.37	4,955.72	111.99	113.94	-155.121	3,686.24	-2,665.57	404.41	297.93	106.48	3.798		
9,600.00	4,590.19	10,039.37	4,957.06	114.23	116.17	-155.122	3,759.44	-2,733.68	404.43	296.21	108.22	3.737		
9,700.00	4,591.51	10,139.37	4,958.39	116.46	118.41	-155.123	3,832.64	-2,801.80	404.44	294.49	109.96	3.678		
9,800.00	4,592.83	10,239.37	4,959.73	118.70	120.64	-155.124	3,905.84	-2,869.92	404.46	292.77	111.69	3.621		
9,900.00	4,594.14	10,339.37	4,961.06	120.94	122.87	-155.124	3,979.03	-2,938.04	404.47	291.06	113.41	3.566		
10,000.00	4,595.46	10,439.37	4,962.39	123.18	125.11	-155.125	4,052.23	-3,006.16	404.49	289.35	115.14	3.513		
10,100.00	4,596.78	10,539.37	4,963.73	125.42	127.35	-155.126	4,125.43	-3,074.28	404.50	287.64	116.86	3.461		
10,200.00	4,598.10	10,639.37	4,965.06	127.66	129.58	-155.127	4,198.63	-3,142.40	404.52	285.94	118.58	3.411		
10,300.00	4,599.42	10,739.37	4,966.40	129.90	131.82	-155.128	4,271.83	-3,210.52	404.53	284.24	120.29	3.363		
10,400.00	4,600.74	10,839.37	4,967.73	132.15	134.06	-155.129	4,345.03	-3,278.64	404.55	282.55	122.00	3.316		
10,500.00	4,602.05	10,939.37	4,969.06	134.39	136.30	-155.129	4,418.23	-3,346.75	404.56	280.85	123.71	3.270		
10,600.00	4,603.37	11,039.37	4,970.40	136.63	138.55	-155.130	4,491.43	-3,414.87	404.58	279.16	125.41	3.226		
10,700.00	4,604.69	11,139.37	4,971.73	138.88	140.79	-155.131	4,564.62	-3,482.99	404.59	277.48	127.12	3.183		
10,800.00	4,606.01	11,239.37	4,973.07	141.13	143.03	-155.132	4,637.82	-3,551.11	404.61	275.79	128.82	3.141		
10,900.00	4,607.33	11,339.37	4,974.40	143.37	145.28	-155.133	4,711.02	-3,619.23	404.62	274.11	130.51	3.100		
11,000.00	4,608.65	11,439.37	4,975.73	145.62	147.52	-155.134	4,784.22	-3,687.35	404.64	272.43	132.21	3.061		
11,100.00	4,609.96	11,539.37	4,977.07	147.87	149.77	-155.134	4,857.42	-3,755.47	404.65	270.75	133.90	3.022		
11,200.00	4,611.28	11,639.37	4,978.40	150.12	152.01	-155.135	4,930.62	-3,823.59	404.66	269.08	135.59	2.985		
11,300.00	4,612.60	11,739.37	4,979.74	152.37	154.26	-155.136	5,003.82	-3,891.70	404.68	267.41	137.27	2.948		
11,400.00	4,613.92	11,839.37	4,981.07	154.62	156.51	-155.137	5,077.01	-3,959.82	404.69	265.74	138.96	2.912		
11,500.00	4,615.24	11,939.37	4,982.41	156.87	158.75	-155.138	5,150.21	-4,027.94	404.71	264.07	140.64	2.878		
11,600.00	4,616.56	12,039.37	4,983.74	159.12	161.00	-155.138	5,223.41	-4,096.06	404.72	262.40	142.32	2.844		
11,700.00	4,617.87	12,139.37	4,985.07	161.37	163.25	-155.139	5,296.61	-4,164.18	404.74	260.74	144.00	2.811		
11,800.00	4,619.19	12,239.37	4,986.41	163.62	165.50	-155.140	5,369.81	-4,232.30	404.75	259.08	145.67	2.779		
11,900.00	4,620.51	12,339.37	4,987.74	165.87	167.75	-155.141	5,443.01	-4,300.42	404.77	257.42	147.35	2.747		
12,000.00	4,621.83	12,439.37	4,989.08	168.12	170.00	-155.142	5,516.21	-4,368.54	404.78	255.77	149.02	2.716		
12,100.00	4,623.15	12,539.37	4,990.41	170.38	172.25	-155.143	5,589.41	-4,436.66	404.80	254.11	150.69	2.686		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 407H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Reference Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
12,200.00	4,624.47	12,639.37	4,991.74	172.63	174.50	-155.143	5,662.60	-4,504.77	404.81	252.46	152.35	2.657		
12,300.00	4,625.78	12,739.37	4,993.08	174.88	176.76	-155.144	5,735.80	-4,572.89	404.83	250.81	154.02	2.628		
12,400.00	4,627.10	12,839.37	4,994.41	177.14	179.01	-155.145	5,809.00	-4,641.01	404.84	249.16	155.68	2.600		
12,500.00	4,628.42	12,939.37	4,995.75	179.39	181.26	-155.146	5,882.20	-4,709.13	404.86	247.51	157.35	2.573		
12,600.00	4,629.74	13,039.37	4,997.08	181.65	183.51	-155.147	5,955.40	-4,777.25	404.87	245.86	159.01	2.546		
12,700.00	4,631.06	13,139.37	4,998.41	183.90	185.77	-155.147	6,028.60	-4,845.37	404.89	244.22	160.67	2.520		
12,800.00	4,632.37	13,239.37	4,999.75	186.16	188.02	-155.148	6,101.80	-4,913.49	404.90	242.58	162.32	2.494		
12,808.37	4,632.49	13,247.75	4,999.86	186.34	188.21	-155.148	6,107.93	-4,919.19	404.90	242.44	162.46	2.492		
12,900.00	4,633.69	13,333.16	5,001.00	188.41	190.13	-155.149	6,170.45	-4,977.37	404.96	241.27	163.69	2.474		
13,000.00	4,635.01	13,333.16	5,001.00	190.67	190.13	-155.149	6,170.45	-4,977.37	418.63	264.68	153.95	2.719		
13,100.00	4,636.33	13,333.16	5,001.00	192.92	190.13	-155.149	6,170.45	-4,977.37	454.43	317.53	136.90	3.320		
13,200.00	4,637.65	13,333.16	5,001.00	195.18	190.13	-155.149	6,170.45	-4,977.37	507.70	388.04	119.66	4.243		
13,300.00	4,638.97	13,333.16	5,001.00	197.44	190.13	-155.149	6,170.45	-4,977.37	573.60	468.40	105.20	5.452		
13,400.00	4,640.28	13,333.16	5,001.00	199.69	190.13	-155.149	6,170.45	-4,977.37	648.28	554.44	93.84	6.908		
13,500.00	4,641.60	13,333.16	5,001.00	201.95	190.13	-155.149	6,170.45	-4,977.37	729.06	643.98	85.07	8.570		
13,600.00	4,642.92	13,333.16	5,001.00	204.21	190.13	-155.149	6,170.45	-4,977.37	814.11	735.82	78.30	10.398		
13,700.00	4,644.24	13,333.16	5,001.00	206.46	190.13	-155.149	6,170.45	-4,977.37	902.24	829.23	73.01	12.358		
13,800.00	4,645.56	13,333.16	5,001.00	208.72	190.13	-155.149	6,170.45	-4,977.37	992.62	923.78	68.83	14.420		
13,900.00	4,646.88	13,333.16	5,001.00	210.98	190.13	-155.149	6,170.45	-4,977.37	1,084.69	1,019.19	65.50	16.561		
14,000.00	4,648.19	13,333.16	5,001.00	213.24	190.13	-155.149	6,170.45	-4,977.37	1,178.05	1,115.24	62.80	18.758		
14,100.00	4,649.51	13,333.16	5,001.00	215.50	190.13	-155.149	6,170.45	-4,977.37	1,272.42	1,211.82	60.60	20.998		
14,200.00	4,650.83	13,333.16	5,001.00	217.75	190.13	-155.149	6,170.45	-4,977.37	1,367.59	1,308.81	58.78	23.266		
14,300.00	4,652.15	13,333.16	5,001.00	220.01	190.13	-155.149	6,170.45	-4,977.37	1,463.41	1,406.14	57.26	25.556		
14,400.00	4,653.47	13,333.16	5,001.00	222.27	190.13	-155.149	6,170.45	-4,977.37	1,559.75	1,503.76	55.99	27.856		
14,500.00	4,654.79	13,333.16	5,001.00	224.53	190.13	-155.149	6,170.45	-4,977.37	1,656.52	1,601.60	54.92	30.161		
14,600.00	4,656.10	13,333.16	5,001.00	226.79	190.13	-155.149	6,170.45	-4,977.37	1,753.66	1,699.65	54.01	32.469		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 408H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Reference Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	48.223	26.59	29.76	39.91					
100.00	100.00	100.00	100.00	0.27	0.27	48.223	26.59	29.76	39.91	39.36	0.55	72.769		
200.00	200.00	200.00	200.00	0.63	0.63	48.223	26.59	29.76	39.91	38.65	1.27	31.540		
300.00	300.00	300.00	300.00	0.99	0.99	48.223	26.59	29.76	39.91	37.93	1.98	20.133		
400.00	400.00	400.00	400.00	1.35	1.35	48.223	26.59	29.76	39.91	37.21	2.70	14.786		
500.00	500.00	500.00	500.00	1.71	1.71	48.223	26.59	29.76	39.91	36.50	3.42	11.683		
600.00	600.00	600.00	600.00	2.07	2.07	48.223	26.59	29.76	39.91	35.78	4.13	9.656		
700.00	700.00	700.00	700.00	2.43	2.43	48.223	26.59	29.76	39.91	35.06	4.85	8.229		
800.00	800.00	800.00	800.00	2.78	2.78	48.223	26.59	29.76	39.91	34.34	5.57	7.169		
900.00	900.00	900.00	900.00	3.14	3.14	48.223	26.59	29.76	39.91	33.63	6.28	6.351		
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	48.223	26.59	29.76	39.91	32.91	7.00	5.701		
1,100.00	1,100.00	1,100.00	1,100.00	3.86	3.86	48.223	26.59	29.76	39.91	32.19	7.72	5.171		
1,200.00	1,200.00	1,198.27	1,198.23	4.22	4.20	50.296	26.80	32.28	42.00	33.58	8.42	4.991		
1,300.00	1,299.95	1,296.74	1,296.41	4.57	4.55	-36.405	27.44	39.69	46.26	37.17	9.09	5.090		
1,400.00	1,399.63	1,396.72	1,395.99	4.91	4.90	-35.540	28.20	48.64	47.57	37.79	9.78	4.864		
1,500.00	1,498.77	1,496.63	1,495.49	5.27	5.26	-39.065	28.96	57.58	44.67	34.18	10.49	4.260		
1,600.00	1,597.08	1,596.18	1,594.63	5.65	5.62	-48.582	29.72	66.50	38.31	27.09	11.22	3.415		
1,700.00	1,694.31	1,695.10	1,693.16	6.05	5.98	-69.687	30.48	75.35	31.19	19.18	12.01	2.597		
1,754.64	1,746.88	1,748.79	1,746.63	6.29	6.18	-88.341	30.89	80.16	29.53	17.06	12.47	2.368	CC, ES, SF	
1,800.00	1,790.18	1,793.13	1,790.79	6.49	6.34	-105.866	31.23	84.13	31.02	18.21	12.81	2.422		
1,900.00	1,884.73	1,890.21	1,887.48	6.98	6.70	-136.209	31.97	92.82	44.58	31.13	13.44	3.316		
2,000.00	1,979.12	1,987.18	1,984.06	7.50	7.06	-150.828	32.71	101.50	64.91	50.82	14.09	4.607		
2,100.00	2,073.51	2,084.15	2,080.64	8.04	7.42	-158.302	33.45	110.18	87.37	72.60	14.77	5.916		
2,200.00	2,167.90	2,181.12	2,177.22	8.60	7.79	-162.697	34.19	118.86	110.67	95.20	15.46	7.156		
2,300.00	2,262.29	2,278.09	2,273.79	9.18	8.15	-165.559	34.93	127.54	134.37	118.19	16.17	8.308		
2,400.00	2,356.68	2,375.06	2,370.37	9.77	8.52	-167.562	35.67	136.22	158.29	141.40	16.89	9.372		
2,500.00	2,451.07	2,472.03	2,466.95	10.38	8.88	-169.038	36.41	144.90	182.35	164.73	17.61	10.353		
2,600.00	2,545.46	2,569.00	2,563.53	10.99	9.25	-170.171	37.15	153.58	206.49	188.15	18.34	11.259		
2,700.00	2,639.85	2,665.97	2,660.10	11.61	9.62	-171.066	37.89	162.27	230.69	211.62	19.07	12.097		
2,800.00	2,734.24	2,762.94	2,756.68	12.24	9.98	-171.792	38.63	170.95	254.94	235.14	19.81	12.872		
2,900.00	2,828.63	2,859.91	2,853.26	12.87	10.35	-172.391	39.37	179.63	279.22	258.68	20.54	13.592		
3,000.00	2,923.02	2,956.88	2,949.84	13.51	10.72	-172.895	40.11	188.31	303.53	282.24	21.28	14.261		
3,100.00	3,017.42	3,053.85	3,046.41	14.15	11.09	-173.323	40.85	196.99	327.85	305.82	22.03	14.885		
3,200.00	3,111.81	3,150.82	3,142.99	14.79	11.46	-173.693	41.59	205.67	352.19	329.42	22.77	15.467		
3,300.00	3,206.20	3,247.79	3,239.57	15.44	11.83	-174.015	42.33	214.35	376.54	353.02	23.52	16.012		
3,400.00	3,300.59	3,344.76	3,336.15	16.09	12.20	-174.298	43.07	223.03	400.90	376.63	24.26	16.522		
3,500.00	3,394.98	3,441.73	3,432.73	16.74	12.57	-174.548	43.81	231.71	425.26	400.25	25.01	17.002		
3,600.00	3,489.37	3,538.70	3,529.30	17.40	12.94	-174.771	44.55	240.39	449.64	423.87	25.76	17.453		
3,700.00	3,583.76	3,635.67	3,625.88	18.06	13.31	-174.972	45.29	249.07	474.02	447.50	26.51	17.877		
3,800.00	3,678.15	3,732.64	3,722.46	18.71	13.68	-175.152	46.03	257.75	498.40	471.14	27.27	18.278		
3,900.00	3,772.54	3,829.61	3,819.04	19.37	14.05	-175.316	46.77	266.44	522.79	494.77	28.02	18.657		
4,000.00	3,867.09	3,900.00	3,889.22	20.03	14.32	-168.412	47.23	271.77	548.25	519.68	28.57	19.188		
4,100.00	3,963.68	3,982.80	3,971.96	20.55	14.62	-133.715	47.48	274.77	567.68	538.53	29.16	19.471		
4,200.00	4,060.56	4,071.41	4,060.56	20.91	14.92	-97.801	47.50	274.97	577.48	547.74	29.74	19.416		
4,300.00	4,154.80	4,165.64	4,154.80	21.13	15.24	-80.502	47.50	274.97	575.77	545.39	30.38	18.953		
4,400.00	4,243.52	4,254.37	4,243.52	21.25	15.54	-75.297	47.50	274.97	564.24	533.23	31.01	18.198		
4,500.00	4,324.04	4,335.28	4,324.44	21.30	15.81	-76.155	47.50	274.97	545.97	514.27	31.70	17.225		
4,600.00	4,393.91	4,441.93	4,430.46	21.29	16.20	-83.848	40.24	281.93	522.63	489.67	32.95	15.861		
4,700.00	4,451.00	4,491.87	4,479.05	21.26	16.40	-88.958	31.99	289.84	503.02	468.90	34.12	14.741		
4,796.13	4,492.22	4,508.29	4,494.79	21.25	16.46	-90.316	28.61	293.08	495.96	460.68	35.28	14.060		
4,800.00	4,493.58	4,508.51	4,495.00	21.25	16.46	-90.304	28.56	293.13	495.97	460.66	35.31	14.044		
4,900.00	4,520.12	4,505.53	4,492.15	21.30	16.45	-88.872	29.20	292.52	506.38	470.02	36.36	13.927		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 408H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,529.55	4,490.40	4,477.63	21.49	16.39	-84.317	32.27	289.57	534.92	497.78	37.14	14.404		
5,100.00	4,530.87	4,473.39	4,461.19	21.99	16.32	-82.438	35.40	286.57	578.37	540.69	37.68	15.349		
5,200.00	4,532.19	4,450.00	4,438.37	22.92	16.23	-79.860	39.12	283.01	634.31	596.43	37.88	16.744		
5,300.00	4,533.50	4,450.00	4,438.37	24.17	16.23	-79.860	39.12	283.01	699.55	661.33	38.22	18.303		
5,400.00	4,534.82	4,450.00	4,438.37	25.61	16.23	-79.860	39.12	283.01	772.26	733.87	38.39	20.118		
5,500.00	4,536.14	4,431.88	4,420.57	27.20	16.16	-77.877	41.53	280.69	850.10	811.82	38.29	22.203		
5,600.00	4,537.46	4,425.28	4,414.05	28.89	16.14	-77.159	42.31	279.94	932.18	893.93	38.25	24.369		
5,700.00	4,538.78	4,419.57	4,408.41	30.65	16.11	-76.540	42.94	279.34	1,017.39	979.19	38.20	26.635		
5,800.00	4,540.10	4,400.00	4,389.01	32.48	16.04	-74.439	44.80	277.56	1,105.27	1,067.23	38.03	29.060		
5,900.00	4,541.41	4,400.00	4,389.01	34.37	16.04	-74.439	44.80	277.56	1,194.65	1,156.65	38.00	31.438		
6,000.00	4,542.73	4,400.00	4,389.01	36.29	16.04	-74.439	44.80	277.56	1,285.60	1,247.64	37.96	33.869		
6,100.00	4,544.05	4,400.00	4,389.01	38.26	16.04	-74.439	44.80	277.56	1,377.80	1,339.89	37.91	36.343		
6,200.00	4,545.37	4,400.00	4,389.01	40.25	16.04	-74.439	44.80	277.56	1,471.02	1,433.16	37.86	38.850		
6,300.00	4,546.69	4,400.00	4,389.01	42.27	16.04	-74.439	44.80	277.56	1,565.08	1,527.26	37.82	41.384		
6,400.00	4,548.01	4,400.00	4,389.01	44.32	16.04	-74.439	44.80	277.56	1,659.83	1,622.06	37.77	43.942		
6,500.00	4,549.32	4,400.00	4,389.01	46.38	16.04	-74.439	44.80	277.56	1,755.17	1,717.44	37.73	46.517		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 719H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre (+N/-S (ft) +E/-W (ft))		Distance Between Centres (ft) Between Ellipses (ft)		Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	-132.448	-26.95	-29.47	39.94					
100.00	100.00	100.00	100.00	0.27	0.27	-132.448	-26.95	-29.47	39.94	39.39	0.55	72.815		
200.00	200.00	200.00	200.00	0.63	0.63	-132.448	-26.95	-29.47	39.94	38.67	1.27	31.560		
300.00	300.00	300.00	300.00	0.99	0.99	-132.448	-26.95	-29.47	39.94	37.95	1.98	20.146		
400.00	400.00	400.00	400.00	1.35	1.35	-132.448	-26.95	-29.47	39.94	37.24	2.70	14.795		
500.00	500.00	500.00	500.00	1.71	1.71	-132.448	-26.95	-29.47	39.94	36.52	3.42	11.690		
600.00	600.00	600.00	600.00	2.07	2.07	-132.448	-26.95	-29.47	39.94	35.80	4.13	9.662		
700.00	700.00	700.00	700.00	2.43	2.43	-132.448	-26.95	-29.47	39.94	35.09	4.85	8.234		
800.00	800.00	800.00	800.00	2.78	2.78	-132.448	-26.95	-29.47	39.94	34.37	5.57	7.174		
900.00	900.00	900.00	900.00	3.14	3.14	-132.448	-26.95	-29.47	39.94	33.65	6.28	6.355		
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-132.448	-26.95	-29.47	39.94	32.94	7.00	5.704	CC, ES	
1,100.00	1,100.00	1,098.21	1,098.17	3.86	3.84	-134.381	-29.41	-30.05	42.09	34.40	7.69	5.474		
1,200.00	1,200.00	1,195.91	1,195.57	4.22	4.16	-139.117	-36.72	-31.79	48.77	40.42	8.35	5.843		
1,300.00	1,299.95	1,292.45	1,291.31	4.57	4.49	127.041	-48.70	-34.64	61.92	52.94	8.98	6.894		
1,400.00	1,399.63	1,386.95	1,384.31	4.91	4.83	126.645	-64.96	-38.50	82.83	73.23	9.59	8.633		
1,500.00	1,498.77	1,479.84	1,474.85	5.27	5.18	127.072	-85.14	-43.30	111.03	100.81	10.22	10.863		
1,600.00	1,597.08	1,574.31	1,566.66	5.65	5.57	128.436	-106.82	-48.45	143.51	132.59	10.92	13.141		
1,700.00	1,694.31	1,667.42	1,657.13	6.05	5.97	130.275	-128.18	-53.53	179.30	167.65	11.65	15.397		
1,800.00	1,790.18	1,758.90	1,746.03	6.49	6.37	132.219	-149.18	-58.52	218.61	206.23	12.39	17.648		
1,900.00	1,884.73	1,848.84	1,833.44	6.98	6.78	134.531	-169.82	-63.42	261.07	247.92	13.15	19.860		
2,000.00	1,979.12	1,938.61	1,920.67	7.50	7.20	136.570	-190.42	-68.32	304.19	290.29	13.91	21.872		
2,100.00	2,073.51	2,028.37	2,007.90	8.04	7.62	138.105	-211.02	-73.21	347.56	332.87	14.68	23.669		
2,200.00	2,167.90	2,118.13	2,095.13	8.60	8.05	139.301	-231.62	-78.11	391.08	375.61	15.47	25.279		
2,300.00	2,262.29	2,207.90	2,182.36	9.18	8.48	140.258	-252.22	-83.00	434.71	418.44	16.27	26.723		
2,400.00	2,356.68	2,297.66	2,269.59	9.77	8.92	141.041	-272.82	-87.90	478.42	461.35	17.07	28.022		
2,500.00	2,451.07	2,387.43	2,356.82	10.38	9.36	141.694	-293.42	-92.80	522.20	504.31	17.89	29.195		
2,600.00	2,545.46	2,477.19	2,444.05	10.99	9.81	142.245	-314.02	-97.69	566.02	547.31	18.71	30.258		
2,700.00	2,639.85	2,566.95	2,531.28	11.61	10.26	142.718	-334.62	-102.59	609.88	590.34	19.53	31.225		
2,800.00	2,734.24	2,656.72	2,618.51	12.24	10.71	143.127	-355.22	-107.48	653.76	633.40	20.36	32.106		
2,900.00	2,828.63	2,746.48	2,705.75	12.87	11.16	143.485	-375.82	-112.38	697.67	676.47	21.20	32.912		
3,000.00	2,923.02	2,836.24	2,792.98	13.51	11.62	143.801	-396.42	-117.27	741.60	719.56	22.04	33.652		
3,100.00	3,017.42	2,926.01	2,880.21	14.15	12.07	144.081	-417.02	-122.17	785.55	762.67	22.88	34.333		
3,200.00	3,111.81	3,015.77	2,967.44	14.79	12.53	144.332	-437.62	-127.07	829.50	805.78	23.73	34.961		
3,300.00	3,206.20	3,105.54	3,054.67	15.44	12.99	144.557	-458.22	-131.96	873.47	848.90	24.58	35.542		
3,400.00	3,300.59	3,195.30	3,141.90	16.09	13.45	144.761	-478.82	-136.86	917.45	892.03	25.43	36.081		
3,500.00	3,394.98	3,285.06	3,229.13	16.74	13.91	144.946	-499.42	-141.75	961.44	935.16	26.28	36.582		
3,600.00	3,489.37	3,374.83	3,316.36	17.40	14.37	145.115	-520.02	-146.65	1,005.44	978.30	27.14	37.048		
3,700.00	3,583.76	3,522.93	3,461.47	18.06	15.08	145.592	-548.68	-153.46	1,046.99	1,018.50	28.49	36.750		
3,800.00	3,678.15	3,678.33	3,615.69	18.71	15.71	146.510	-566.90	-157.79	1,083.28	1,053.54	29.73	36.432		
3,900.00	3,772.54	3,835.35	3,772.54	19.37	16.23	147.821	-572.86	-159.21	1,114.15	1,083.34	30.81	36.163		
4,000.00	3,867.09	3,929.90	3,867.09	20.03	16.49	156.027	-572.86	-159.21	1,142.49	1,110.97	31.52	36.242		
4,100.00	3,963.68	4,016.94	3,954.12	20.55	16.72	-166.885	-572.00	-159.89	1,167.88	1,135.76	32.12	36.361		
4,200.00	4,060.56	4,093.68	4,030.16	20.91	16.90	-127.519	-584.28	-166.03	1,189.71	1,157.19	32.53	36.577		
4,300.00	4,154.80	4,170.98	4,104.74	21.13	17.03	-105.466	-548.54	-178.55	1,207.62	1,174.81	32.81	36.805		
4,400.00	4,243.52	4,250.00	4,177.47	21.25	17.13	-94.421	-524.49	-197.68	1,221.12	1,188.08	33.03	36.967		
4,500.00	4,324.04	4,328.28	4,244.67	21.30	17.20	-88.517	-493.16	-222.58	1,229.87	1,196.62	33.25	36.991		
4,600.00	4,393.91	4,408.66	4,307.35	21.29	17.23	-85.395	-453.85	-253.84	1,233.68	1,200.12	33.55	36.767		
4,700.00	4,451.00	4,490.40	4,363.24	21.26	17.24	-84.056	-407.24	-290.90	1,232.49	1,198.44	34.05	36.194		
4,800.00	4,493.58	4,573.63	4,410.87	21.25	17.24	-84.039	-353.89	-333.33	1,226.40	1,191.55	34.85	35.193		
4,900.00	4,520.12	4,658.60	4,448.79	21.30	17.23	-85.627	-294.44	-380.60	1,217.59	1,181.60	35.98	33.837		
5,000.00	4,529.55	4,726.21	4,470.72	21.49	17.27	-87.149	-244.66	-420.69	1,209.28	1,171.89	37.39	32.344		
5,100.00	4,530.87	4,789.03	4,484.39	21.99	17.57	-87.755	-197.90	-460.31	1,203.70	1,164.71	38.98	30.877		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 719H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD											Rule Assigned:		Offset Well Error:	0.00 ft
Measured Reference Depth (ft)	Vertical Reference Depth (ft)	Measured Offset Depth (ft)	Vertical Offset Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre (+N/-S (ft) +E/-W (ft))		Distance (Between Centres (ft) Between Ellipses (ft))		Minimum Separation (ft)	Separation Factor	Warning	
5,200.00	4,532.19	4,850.00	4,491.32	22.92	18.12	-88.045	-152.66	-500.54	1,201.17	1,160.34	40.83	29.421		
5,280.24	4,533.24	4,921.27	4,492.93	23.91	18.90	-88.076	-100.40	-548.96	1,200.95	1,158.27	42.68	28.139		
5,300.00	4,533.50	4,941.03	4,493.17	24.17	19.14	-88.075	-85.93	-562.42	1,200.95	1,157.77	43.18	27.810		
5,400.00	4,534.82	5,041.03	4,494.41	25.61	20.44	-88.071	-12.73	-630.53	1,200.95	1,155.01	45.94	26.143		
5,500.00	4,536.14	5,141.03	4,495.64	27.20	21.90	-88.067	60.47	-698.65	1,200.95	1,151.99	48.96	24.529		
5,600.00	4,537.46	5,241.03	4,496.87	28.89	23.48	-88.063	133.67	-766.77	1,200.95	1,148.74	52.21	23.004		
5,700.00	4,538.78	5,341.03	4,498.11	30.65	25.16	-88.059	206.88	-834.88	1,200.95	1,145.31	55.63	21.586		
5,800.00	4,540.10	5,441.03	4,499.34	32.48	26.93	-88.055	280.08	-903.00	1,200.95	1,141.74	59.21	20.282		
5,900.00	4,541.41	5,541.03	4,500.58	34.37	28.77	-88.051	353.28	-971.12	1,200.95	1,138.03	62.92	19.088		
6,000.00	4,542.73	5,641.03	4,501.81	36.29	30.66	-88.047	426.48	-1,039.24	1,200.95	1,134.23	66.72	17.999		
6,100.00	4,544.05	5,741.03	4,503.04	38.26	32.60	-88.043	499.69	-1,107.35	1,200.95	1,130.33	70.61	17.007		
6,200.00	4,545.37	5,841.03	4,504.28	40.25	34.58	-88.039	572.89	-1,175.47	1,200.95	1,126.37	74.58	16.103		
6,300.00	4,546.69	5,941.03	4,505.51	42.27	36.59	-88.035	646.09	-1,243.59	1,200.95	1,122.34	78.61	15.278		
6,400.00	4,548.01	6,041.03	4,506.75	44.32	38.63	-88.031	719.29	-1,311.70	1,200.95	1,118.26	82.69	14.524		
6,500.00	4,549.32	6,141.03	4,507.98	46.38	40.69	-88.027	792.49	-1,379.82	1,200.95	1,114.14	86.81	13.834		
6,600.00	4,550.64	6,241.03	4,509.21	48.47	42.78	-88.023	865.70	-1,447.94	1,200.95	1,109.97	90.97	13.201		
6,700.00	4,551.96	6,341.03	4,510.45	50.56	44.88	-88.019	938.90	-1,516.05	1,200.95	1,105.78	95.17	12.619		
6,800.00	4,553.28	6,441.03	4,511.68	52.68	46.99	-88.015	1,012.10	-1,584.17	1,200.95	1,101.55	99.40	12.082		
6,900.00	4,554.60	6,541.03	4,512.91	54.80	49.12	-88.011	1,085.30	-1,652.29	1,200.95	1,097.30	103.65	11.587		
7,000.00	4,555.91	6,641.03	4,514.15	56.94	51.27	-88.007	1,158.51	-1,720.40	1,200.95	1,093.02	107.92	11.128		
7,100.00	4,557.23	6,741.03	4,515.38	59.08	53.42	-88.003	1,231.71	-1,788.52	1,200.95	1,088.73	112.22	10.702		
7,200.00	4,558.55	6,841.03	4,516.62	61.23	55.58	-87.999	1,304.91	-1,856.64	1,200.95	1,084.41	116.53	10.306		
7,300.00	4,559.87	6,941.03	4,517.85	63.40	57.75	-87.995	1,378.11	-1,924.75	1,200.95	1,080.09	120.86	9.937		
7,400.00	4,561.19	7,041.03	4,519.08	65.56	59.93	-87.991	1,451.32	-1,992.87	1,200.95	1,075.74	125.20	9.592		
7,500.00	4,562.51	7,141.03	4,520.32	67.74	62.11	-87.987	1,524.52	-2,060.99	1,200.95	1,071.39	129.56	9.269		
7,600.00	4,563.82	7,241.03	4,521.55	69.92	64.30	-87.983	1,597.72	-2,129.10	1,200.95	1,067.02	133.93	8.967		
7,700.00	4,565.14	7,341.03	4,522.79	72.10	66.49	-87.979	1,670.92	-2,197.22	1,200.95	1,062.64	138.31	8.683		
7,800.00	4,566.46	7,441.03	4,524.02	74.29	68.69	-87.975	1,744.13	-2,265.34	1,200.95	1,058.25	142.69	8.416		
7,900.00	4,567.78	7,541.03	4,525.25	76.49	70.89	-87.971	1,817.33	-2,333.45	1,200.94	1,053.86	147.09	8.165		
8,000.00	4,569.10	7,641.03	4,526.49	78.69	73.10	-87.967	1,890.53	-2,401.57	1,200.94	1,049.45	151.49	7.927		
8,100.00	4,570.42	7,741.03	4,527.72	80.89	75.31	-87.962	1,963.73	-2,469.69	1,200.94	1,045.04	155.90	7.703		
8,200.00	4,571.73	7,841.03	4,528.96	83.10	77.52	-87.958	2,036.93	-2,537.80	1,200.94	1,040.62	160.32	7.491		
8,300.00	4,573.05	7,941.03	4,530.19	85.30	79.74	-87.954	2,110.14	-2,605.92	1,200.94	1,036.20	164.75	7.290		
8,400.00	4,574.37	8,041.03	4,531.42	87.52	81.96	-87.950	2,183.34	-2,674.04	1,200.94	1,031.77	169.18	7.099		
8,500.00	4,575.69	8,141.03	4,532.66	89.73	84.18	-87.946	2,256.54	-2,742.15	1,200.94	1,027.33	173.61	6.917		
8,600.00	4,577.01	8,241.03	4,533.89	91.95	86.41	-87.942	2,329.74	-2,810.27	1,200.94	1,022.89	178.05	6.745		
8,700.00	4,578.33	8,341.03	4,535.12	94.17	88.63	-87.938	2,402.95	-2,878.39	1,200.94	1,018.45	182.49	6.581		
8,800.00	4,579.64	8,441.03	4,536.36	96.39	90.86	-87.934	2,476.15	-2,946.50	1,200.94	1,014.00	186.94	6.424		
8,900.00	4,580.96	8,541.03	4,537.59	98.61	93.09	-87.930	2,549.35	-3,014.62	1,200.94	1,009.55	191.39	6.275		
9,000.00	4,582.28	8,641.03	4,538.83	100.84	95.32	-87.926	2,622.55	-3,082.74	1,200.94	1,005.10	195.85	6.132		
9,100.00	4,583.60	8,741.03	4,540.06	103.07	97.56	-87.922	2,695.76	-3,150.85	1,200.94	1,000.64	200.31	5.996		
9,200.00	4,584.92	8,841.03	4,541.29	105.30	99.79	-87.918	2,768.96	-3,218.97	1,200.94	996.18	204.77	5.865		
9,300.00	4,586.24	8,941.03	4,542.53	107.53	102.03	-87.914	2,842.16	-3,287.09	1,200.94	991.71	209.23	5.740		
9,400.00	4,587.55	9,041.03	4,543.76	109.76	104.27	-87.910	2,915.36	-3,355.20	1,200.94	987.24	213.70	5.620		
9,500.00	4,588.87	9,141.03	4,545.00	111.99	106.51	-87.906	2,988.57	-3,423.32	1,200.94	982.77	218.17	5.505		
9,600.00	4,590.19	9,241.03	4,546.23	114.23	108.75	-87.902	3,061.77	-3,491.44	1,200.94	978.30	222.64	5.394		
9,700.00	4,591.51	9,341.03	4,547.46	116.46	110.99	-87.898	3,134.97	-3,559.55	1,200.94	973.83	227.12	5.288		
9,800.00	4,592.83	9,441.03	4,548.70	118.70	113.23	-87.894	3,208.17	-3,627.67	1,200.94	969.35	231.59	5.186		
9,876.71	4,593.84	9,517.74	4,549.64	120.42	114.95	-87.891	3,264.32	-3,679.92	1,200.94	965.92	235.03	5.110		
9,900.00	4,594.14	9,541.03	4,549.93	120.94	115.47	-87.890	3,281.38	-3,695.79	1,200.94	964.87	236.07	5.087		
10,000.00	4,595.46	9,641.03	4,551.17	123.18	117.72	-87.886	3,354.58	-3,763.90	1,200.94	960.39	240.55	4.992		
10,100.00	4,596.78	9,741.03	4,552.40	125.42	119.96	-87.882	3,427.78	-3,832.02	1,200.94	955.91	245.03	4.901		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 719H - Original Hole - rev0														Offset Site Error:	0.00 ft		
Survey Program: 0-MWD														Rule Assigned:		Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning				
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)							
10,200.00	4,598.10	9,841.03	4,553.63	127.66	122.21	-87.878	3,500.98	-3,900.14	1,200.94	951.43	249.52	4.813					
10,300.00	4,599.42	9,941.03	4,554.87	129.90	124.46	-87.874	3,574.18	-3,968.25	1,200.94	946.94	254.00	4.728					
10,400.00	4,600.74	10,041.03	4,556.10	132.15	126.70	-87.870	3,647.39	-4,036.37	1,200.94	942.46	258.49	4.646					
10,500.00	4,602.05	10,141.03	4,557.33	134.39	128.95	-87.866	3,720.59	-4,104.49	1,200.94	937.97	262.98	4.567					
10,600.00	4,603.37	10,241.03	4,558.57	136.63	131.20	-87.862	3,793.79	-4,172.60	1,200.94	933.48	267.47	4.490					
10,700.00	4,604.69	10,341.03	4,559.80	138.88	133.45	-87.858	3,866.99	-4,240.72	1,200.94	928.99	271.96	4.416					
10,800.00	4,606.01	10,441.03	4,561.04	141.13	135.70	-87.854	3,940.20	-4,308.84	1,200.94	924.50	276.45	4.344					
10,900.00	4,607.33	10,541.03	4,562.27	143.37	137.95	-87.850	4,013.40	-4,376.95	1,200.94	920.00	280.94	4.275					
11,000.00	4,608.65	10,641.03	4,563.50	145.62	140.20	-87.846	4,086.60	-4,445.07	1,200.94	915.51	285.44	4.207					
11,100.00	4,609.96	10,741.03	4,564.74	147.87	142.45	-87.842	4,159.80	-4,513.19	1,200.94	911.01	289.93	4.142					
11,200.00	4,611.28	10,841.03	4,565.97	150.12	144.71	-87.838	4,233.01	-4,581.30	1,200.94	906.52	294.43	4.079					
11,300.00	4,612.60	10,941.03	4,567.21	152.37	146.96	-87.834	4,306.21	-4,649.42	1,200.94	902.02	298.92	4.018					
11,400.00	4,613.92	11,041.03	4,568.44	154.62	149.21	-87.830	4,379.41	-4,717.54	1,200.94	897.52	303.42	3.958					
11,500.00	4,615.24	11,141.03	4,569.67	156.87	151.47	-87.825	4,452.61	-4,785.65	1,200.94	893.03	307.92	3.900					
11,600.00	4,616.56	11,241.03	4,570.91	159.12	153.72	-87.821	4,525.82	-4,853.77	1,200.94	888.53	312.42	3.844					
11,700.00	4,617.87	11,341.03	4,572.14	161.37	155.97	-87.817	4,599.02	-4,921.89	1,200.94	884.03	316.92	3.789					
11,800.00	4,619.19	11,441.03	4,573.37	163.62	158.23	-87.813	4,672.22	-4,990.00	1,200.94	879.53	321.42	3.736					
11,900.00	4,620.51	11,541.03	4,574.61	165.87	160.48	-87.809	4,745.42	-5,058.12	1,200.94	875.03	325.92	3.685					
12,000.00	4,621.83	11,641.03	4,575.84	168.12	162.74	-87.805	4,818.62	-5,126.24	1,200.95	870.52	330.42	3.635					
12,100.00	4,623.15	11,741.03	4,577.08	170.38	165.00	-87.801	4,891.83	-5,194.35	1,200.95	866.02	334.92	3.586					
12,200.00	4,624.47	11,841.03	4,578.31	172.63	167.25	-87.797	4,965.03	-5,262.47	1,200.95	861.52	339.43	3.538					
12,300.00	4,625.78	11,941.03	4,579.54	174.88	169.51	-87.793	5,038.23	-5,330.59	1,200.95	857.01	343.93	3.492					
12,400.00	4,627.10	12,041.03	4,580.78	177.14	171.76	-87.789	5,111.43	-5,398.70	1,200.95	852.51	348.44	3.447					
12,500.00	4,628.42	12,141.03	4,582.01	179.39	174.02	-87.785	5,184.64	-5,466.82	1,200.95	848.01	352.94	3.403					
12,600.00	4,629.74	12,241.03	4,583.25	181.65	176.28	-87.781	5,257.84	-5,534.94	1,200.95	843.50	357.44	3.360					
12,700.00	4,631.06	12,341.03	4,584.48	183.90	178.54	-87.777	5,331.04	-5,603.05	1,200.95	839.00	361.95	3.318					
12,800.00	4,632.37	12,441.03	4,585.71	186.16	180.79	-87.773	5,404.24	-5,671.17	1,200.95	834.49	366.46	3.277					
12,900.00	4,633.69	12,541.03	4,586.95	188.41	183.05	-87.769	5,477.45	-5,739.29	1,200.95	829.98	370.96	3.237					
13,000.00	4,635.01	12,641.03	4,588.18	190.67	185.31	-87.765	5,550.65	-5,807.40	1,200.95	825.48	375.47	3.199					
13,100.00	4,636.33	12,741.03	4,589.42	192.92	187.57	-87.761	5,623.85	-5,875.52	1,200.95	820.97	379.98	3.161					
13,200.00	4,637.65	12,841.03	4,590.65	195.18	189.83	-87.757	5,697.05	-5,943.64	1,200.95	816.46	384.49	3.124					
13,300.00	4,638.97	12,941.03	4,591.88	197.44	192.09	-87.753	5,770.26	-6,011.75	1,200.95	811.95	388.99	3.087					
13,400.00	4,640.28	13,041.03	4,593.12	199.69	194.35	-87.749	5,843.46	-6,079.87	1,200.95	807.45	393.50	3.052					
13,500.00	4,641.60	13,141.03	4,594.35	201.95	196.60	-87.745	5,916.66	-6,147.99	1,200.95	802.94	398.01	3.017					
13,600.00	4,642.92	13,241.03	4,595.58	204.21	198.86	-87.741	5,989.86	-6,216.10	1,200.95	798.43	402.52	2.984					
13,700.00	4,644.24	13,341.03	4,596.82	206.46	201.12	-87.737	6,063.06	-6,284.22	1,200.95	793.92	407.03	2.951					
13,800.00	4,645.56	13,441.03	4,598.05	208.72	203.38	-87.733	6,136.27	-6,352.34	1,200.95	789.41	411.54	2.918					
13,900.00	4,646.88	13,541.03	4,599.29	210.98	205.64	-87.729	6,209.47	-6,420.45	1,200.95	784.90	416.05	2.887					
14,000.00	4,648.19	13,641.03	4,600.52	213.24	207.90	-87.725	6,282.67	-6,488.57	1,200.95	780.39	420.56	2.856					
14,100.00	4,649.51	13,741.03	4,601.75	215.50	210.16	-87.721	6,355.87	-6,556.69	1,200.95	775.88	425.07	2.825					
14,200.00	4,650.83	13,841.03	4,602.99	217.75	212.42	-87.717	6,429.08	-6,624.80	1,200.95	771.37	429.58	2.796					
14,203.95	4,650.88	13,844.98	4,603.04	217.84	212.51	-87.717	6,431.97	-6,627.50	1,200.95	771.19	429.76	2.794					
14,300.00	4,652.15	13,923.36	4,604.00	220.01	214.28	-87.713	6,489.35	-6,680.89	1,201.08	767.49	433.59	2.770 SF					
14,400.00	4,653.47	13,923.36	4,604.00	222.27	214.28	-87.713	6,489.35	-6,680.89	1,206.70	774.11	432.59	2.789					
14,500.00	4,654.79	13,923.36	4,604.00	224.53	214.28	-87.713	6,489.35	-6,680.89	1,220.52	793.31	427.20	2.857					
14,600.00	4,656.10	13,923.36	4,604.00	226.79	214.28	-87.713	6,489.35	-6,680.89	1,242.25	824.22	418.03	2.972					
14,700.00	4,657.42	13,923.36	4,604.00	229.05	214.28	-87.713	6,489.35	-6,680.89	1,271.51	865.58	405.92	3.132					
14,800.00	4,658.74	13,923.36	4,604.00	231.31	214.28	-87.713	6,489.35	-6,680.89	1,307.77	915.98	391.79	3.338					
14,900.00	4,660.06	13,923.36	4,604.00	233.57	214.28	-87.713	6,489.35	-6,680.89	1,350.48	974.01	376.47	3.587					
15,000.00	4,661.38	13,923.36	4,604.00	235.83	214.28	-87.713	6,489.35	-6,680.89	1,399.05	1,038.40	360.65	3.879					
15,100.00	4,662.70	13,923.36	4,604.00	238.09	214.28	-87.713	6,489.35	-6,680.89	1,452.88	1,108.03	344.85	4.213					
15,200.00	4,664.01	13,923.36	4,604.00	240.35	214.28	-87.713	6,489.35	-6,680.89	1,511.42	1,181.99	329.43	4.588					

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design:</b> Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 719H - Original Hole - rev0													<b>Offset Site Error:</b>	0.00 ft
<b>Survey Program:</b> 0-MWD													<b>Offset Well Error:</b>	0.00 ft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>	
<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Measured Depth (ft)</b>	<b>Vertical Depth (ft)</b>	<b>Reference (ft)</b>	<b>Offset (ft)</b>		<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Between Centres (ft)</b>	<b>Between Ellipses (ft)</b>				
15,300.00	4,665.33	13,923.36	4,604.00	242.61	214.28	-87.713	6,489.35	-6,680.89	1,574.15	1,259.51	314.64	5.003		
15,400.00	4,666.65	13,923.36	4,604.00	244.87	214.28	-87.713	6,489.35	-6,680.89	1,640.57	1,339.97	300.60	5.458		
15,500.00	4,667.97	13,923.36	4,604.00	247.13	214.28	-87.713	6,489.35	-6,680.89	1,710.26	1,422.87	287.40	5.951		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 721H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	47.999	40.07	44.50	59.88					
100.00	100.00	100.00	100.00	0.27	0.27	47.999	40.07	44.50	59.88	59.33	0.55	109.175		
200.00	200.00	200.00	200.00	0.63	0.63	47.999	40.07	44.50	59.88	58.61	1.27	47.320		
300.00	300.00	300.00	300.00	0.99	0.99	47.999	40.07	44.50	59.88	57.90	1.98	30.206		
400.00	400.00	400.00	400.00	1.35	1.35	47.999	40.07	44.50	59.88	57.18	2.70	22.183		
500.00	500.00	500.00	500.00	1.71	1.71	47.999	40.07	44.50	59.88	56.46	3.42	17.528		
600.00	600.00	600.00	600.00	2.07	2.07	47.999	40.07	44.50	59.88	55.75	4.13	14.487		
700.00	700.00	700.00	700.00	2.43	2.43	47.999	40.07	44.50	59.88	55.03	4.85	12.346		
800.00	800.00	800.00	800.00	2.78	2.78	47.999	40.07	44.50	59.88	54.31	5.57	10.756		
900.00	900.00	900.00	900.00	3.14	3.14	47.999	40.07	44.50	59.88	53.59	6.28	9.529		
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	47.999	40.07	44.50	59.88	52.88	7.00	8.553 CC, ES		
1,100.00	1,100.00	1,097.22	1,097.18	3.86	3.85	46.934	42.39	45.35	62.14	54.44	7.70	8.069		
1,200.00	1,200.00	1,193.93	1,193.60	4.22	4.20	44.170	49.30	47.89	69.03	60.65	8.39	8.233		
1,300.00	1,299.95	1,289.75	1,288.64	4.57	4.55	-50.515	60.66	52.07	79.07	70.04	9.03	8.754		
1,400.00	1,399.63	1,384.31	1,381.72	4.91	4.90	-56.559	76.24	57.80	91.45	81.81	9.65	9.482		
1,500.00	1,498.77	1,477.20	1,472.25	5.27	5.27	-63.773	95.73	64.96	107.40	97.17	10.24	10.490		
1,600.00	1,597.08	1,568.07	1,559.73	5.65	5.66	-70.783	118.78	73.44	127.94	117.11	10.83	11.819		
1,700.00	1,694.31	1,656.59	1,643.73	6.05	6.07	-76.938	144.96	83.06	153.59	142.15	11.45	13.419		
1,800.00	1,790.18	1,742.51	1,723.95	6.49	6.50	-82.014	173.84	93.68	184.49	172.39	12.11	15.238		
1,900.00	1,884.73	1,832.18	1,806.57	6.98	6.99	-86.985	206.53	105.70	219.58	206.62	12.96	16.947		
2,000.00	1,979.12	1,923.80	1,890.95	7.50	7.51	-91.150	240.06	118.02	256.17	242.28	13.90	18.434		
2,100.00	2,073.51	2,015.43	1,975.32	8.04	8.06	-94.288	273.58	130.35	293.68	278.81	14.86	19.756		
2,200.00	2,167.90	2,107.05	2,059.70	8.60	8.62	-96.724	307.10	142.67	331.78	315.92	15.86	20.923		
2,300.00	2,262.29	2,198.67	2,144.08	9.18	9.19	-98.663	340.62	155.00	370.29	353.42	16.87	21.950		
2,400.00	2,356.68	2,290.30	2,228.45	9.77	9.78	-100.239	374.14	167.32	409.11	391.21	17.90	22.857		
2,500.00	2,451.07	2,381.92	2,312.83	10.38	10.37	-101.544	407.67	179.64	448.14	429.20	18.94	23.658		
2,600.00	2,545.46	2,473.55	2,397.21	10.99	10.98	-102.641	441.19	191.97	487.34	467.34	20.00	24.369		
2,700.00	2,639.85	2,565.17	2,481.58	11.61	11.58	-103.576	474.71	204.29	526.67	505.61	21.06	25.003		
2,800.00	2,734.24	2,656.80	2,565.96	12.24	12.20	-104.382	508.23	216.62	566.10	543.96	22.14	25.569		
2,900.00	2,828.63	2,748.42	2,650.34	12.87	12.81	-105.083	541.75	228.94	605.62	582.39	23.22	26.078		
3,000.00	2,923.02	2,840.04	2,734.71	13.51	13.44	-105.698	575.28	241.27	645.20	620.89	24.31	26.536		
3,100.00	3,017.42	2,931.67	2,819.09	14.15	14.06	-106.243	608.80	253.59	684.84	659.43	25.41	26.951		
3,200.00	3,111.81	3,023.29	2,903.46	14.79	14.69	-106.728	642.32	265.91	724.52	698.01	26.51	27.328		
3,300.00	3,206.20	3,114.92	2,987.84	15.44	15.32	-107.163	675.84	278.24	764.25	736.63	27.62	27.671		
3,400.00	3,300.59	3,212.35	3,077.61	16.09	15.99	-107.583	711.41	291.31	803.96	775.15	28.80	27.910		
3,500.00	3,394.98	3,347.18	3,203.99	16.74	16.85	-108.396	755.41	307.49	840.74	810.32	30.42	27.634		
3,600.00	3,489.37	3,485.82	3,337.06	17.40	17.65	-109.607	791.81	320.88	872.80	840.84	31.96	27.309		
3,700.00	3,583.76	3,626.93	3,475.03	18.06	18.33	-111.195	819.47	331.04	900.16	866.79	33.37	26.972		
3,800.00	3,678.15	3,725.46	3,612.57	18.71	19.00	-114.561	848.04	341.20	927.22	893.70	34.83	26.623		
3,900.00	3,772.54	3,819.97	3,749.10	19.37	19.76	-117.664	876.51	351.36	953.28	920.61	36.31	26.273		
4,000.00	3,867.09	3,917.40	3,875.63	20.03	20.52	-120.567	904.98	361.52	977.34	947.52	37.80	25.923		
4,100.00	3,963.68	4,013.91	3,992.16	20.70	21.30	-123.369	933.45	371.68	1,000.40	973.43	39.30	25.573		
4,200.00	4,060.56	4,110.14	4,088.69	21.37	22.08	-126.171	961.92	381.84	1,022.42	998.54	40.80	25.223		
4,300.00	4,154.80	4,204.37	4,187.22	22.04	22.86	-128.973	990.39	391.99	1,043.44	1,022.65	42.30	24.873		
4,400.00	4,243.52	4,292.60	4,275.75	22.71	23.64	-131.775	1,018.86	402.15	1,062.46	1,045.76	43.80	24.523		
4,500.00	4,324.04	4,374.83	4,355.28	23.38	24.42	-134.577	1,047.33	412.30	1,079.48	1,066.07	45.30	24.173		
4,600.00	4,393.91	4,449.06	4,425.81	24.05	25.20	-137.379	1,075.80	422.45	1,094.50	1,083.38	46.80	23.823		
4,700.00	4,451.00	4,513.29	4,483.34	24.72	25.98	-140.181	1,104.27	432.60	1,109.52	1,098.49	48.30	23.473		
4,800.00	4,493.58	4,561.52	4,521.87	25.39	26.76	-142.983	1,132.74	442.75	1,123.54	1,112.50	49.80	23.123		
4,900.00	4,520.12	4,599.75	4,549.40	26.06	27.54	-145.785	1,161.21	452.90	1,137.56	1,125.51	51.30	22.773		
4,904.45	4,520.91	4,896.51	4,516.71	21.30	20.10	87.636	512.80	660.61	103.03	65.28	37.75	2.729 SF		
5,000.00	4,529.55	4,810.32	4,493.74	21.49	20.11	70.684	572.72	603.19	108.44	70.31	38.13	2.844		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 721H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Reference Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.00	4,530.87	4,727.86	4,460.35	21.99	20.14	55.160	627.09	551.08	128.05	92.07	35.98	3.559		
5,200.00	4,532.19	4,656.60	4,423.05	22.92	20.19	42.682	670.89	509.10	165.96	131.70	34.25	4.845		
5,300.00	4,533.50	4,600.00	4,388.22	24.17	20.22	34.611	703.08	478.25	219.16	184.77	34.39	6.373		
5,400.00	4,534.82	4,550.00	4,353.93	25.61	20.24	28.924	729.34	453.08	283.25	248.21	35.05	8.082		
5,500.00	4,536.14	4,500.00	4,316.60	27.20	20.25	24.406	753.34	430.08	355.00	319.49	35.51	9.997		
5,600.00	4,537.46	4,466.65	4,290.16	28.89	20.25	21.929	768.00	416.03	432.33	395.87	36.46	11.858		
5,700.00	4,538.78	4,436.10	4,264.93	30.65	20.25	19.973	780.43	404.11	513.78	476.62	37.16	13.825		
5,800.00	4,540.10	4,400.00	4,233.98	32.48	20.24	17.987	793.85	391.25	598.53	561.01	37.52	15.954		
5,900.00	4,541.41	4,400.00	4,233.98	34.37	20.24	17.987	793.85	391.25	685.60	647.16	38.44	17.835		
6,000.00	4,542.73	4,368.02	4,205.64	36.29	20.22	16.476	804.54	381.01	774.24	735.64	38.61	20.054		
6,100.00	4,544.05	4,350.00	4,189.32	38.26	20.21	15.713	810.05	375.72	864.67	825.75	38.92	22.218		
6,200.00	4,545.37	4,350.00	4,189.32	40.25	20.21	15.713	810.05	375.72	956.60	917.27	39.33	24.322		
6,300.00	4,546.69	4,322.71	4,164.17	42.27	20.19	14.664	817.69	368.40	1,049.01	1,009.60	39.41	26.615		
6,400.00	4,548.01	4,300.00	4,142.88	44.32	20.17	13.877	823.39	362.94	1,142.69	1,103.17	39.52	28.914		
6,500.00	4,549.32	4,300.00	4,142.88	46.38	20.17	13.877	823.39	362.94	1,236.78	1,197.02	39.76	31.109		
6,600.00	4,550.64	4,300.00	4,142.88	48.47	20.17	13.877	823.39	362.94	1,331.72	1,291.78	39.94	33.341		
6,700.00	4,551.96	4,282.13	4,125.91	50.56	20.15	13.308	827.43	359.06	1,426.97	1,386.96	40.01	35.666		
6,800.00	4,553.28	4,274.30	4,118.42	52.68	20.14	13.071	829.09	357.48	1,522.76	1,482.65	40.11	37.963		
6,900.00	4,554.60	4,250.00	4,095.00	54.80	20.11	12.382	833.75	353.01	1,619.29	1,579.14	40.14	40.339		
7,000.00	4,555.91	4,250.00	4,095.00	56.94	20.11	12.382	833.75	353.01	1,715.58	1,675.33	40.25	42.622		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 722H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Reference Depth (ft)	Vertical Depth (ft)	Measured Offset Depth (ft)	Vertical Offset Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre (+N/-S (ft) +E/-W (ft))		Distance Between Centres (ft) Between Ellipses (ft)		Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	48.116	13.48	15.03	20.19					
100.00	100.00	100.00	100.00	0.27	0.27	48.116	13.48	15.03	20.19	19.64	0.55	36.806		
200.00	200.00	200.00	200.00	0.63	0.63	48.116	13.48	15.03	20.19	18.92	1.27	15.953		
300.00	300.00	300.00	300.00	0.99	0.99	48.116	13.48	15.03	20.19	18.20	1.98	10.183		
400.00	400.00	400.00	400.00	1.35	1.35	48.116	13.48	15.03	20.19	17.49	2.70	7.479		
500.00	500.00	500.00	500.00	1.71	1.71	48.116	13.48	15.03	20.19	16.77	3.42	5.909		
600.00	600.00	600.00	600.00	2.07	2.07	48.116	13.48	15.03	20.19	16.05	4.13	4.884		
700.00	700.00	700.00	700.00	2.43	2.43	48.116	13.48	15.03	20.19	15.34	4.85	4.162		
800.00	800.00	800.00	800.00	2.78	2.78	48.116	13.48	15.03	20.19	14.62	5.57	3.626		
900.00	900.00	900.00	900.00	3.14	3.14	48.116	13.48	15.03	20.19	13.90	6.28	3.212		
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	48.116	13.48	15.03	20.19	13.19	7.00	2.883		
1,100.00	1,100.00	1,100.70	1,100.65	3.86	3.85	42.559	13.48	12.37	18.31	10.60	7.71	2.375		
1,200.00	1,200.00	1,200.85	1,200.48	4.22	4.20	18.380	13.48	4.48	14.21	5.80	8.41	1.689	Level 3<2.00	
1,249.10	1,249.09	1,249.83	1,249.14	4.39	4.38	-97.482	13.00	-1.08	13.11	4.34	8.77	1.495	Level 3<2.00, CC, ES, SF	
1,300.00	1,299.95	1,300.10	1,298.96	4.57	4.56	-131.476	11.53	-7.64	15.47	6.37	9.10	1.700	Level 3<2.00	
1,400.00	1,399.63	1,396.76	1,394.26	4.91	4.91	-168.939	5.97	-22.73	34.14	24.44	9.69	3.522		
1,500.00	1,498.77	1,491.78	1,487.55	5.27	5.28	179.464	-1.36	-39.21	63.74	53.39	10.35	6.158		
1,600.00	1,597.08	1,585.12	1,579.19	5.65	5.66	175.431	-8.56	-55.41	99.20	88.18	11.02	9.004		
1,700.00	1,694.31	1,676.49	1,668.90	6.05	6.03	173.677	-15.62	-71.27	139.68	127.99	11.68	11.957		
1,800.00	1,790.18	1,765.65	1,756.44	6.49	6.40	172.824	-22.50	-86.74	184.91	172.57	12.34	14.985		
1,900.00	1,884.73	1,852.77	1,841.97	6.98	6.78	172.465	-29.22	-101.85	233.98	220.99	12.99	18.012		
2,000.00	1,979.12	1,939.66	1,927.28	7.50	7.15	172.291	-35.93	-116.93	283.48	269.85	13.63	20.796		
2,100.00	2,073.51	2,026.55	2,012.59	8.04	7.53	172.168	-42.63	-132.01	332.98	318.70	14.28	23.317		
2,200.00	2,167.90	2,113.44	2,097.90	8.60	7.91	172.078	-49.34	-147.09	382.47	367.54	14.94	25.607		
2,300.00	2,262.29	2,200.33	2,183.20	9.18	8.30	172.008	-56.05	-162.16	431.97	416.37	15.60	27.693		
2,400.00	2,356.68	2,287.22	2,268.51	9.77	8.69	171.952	-62.75	-177.24	481.47	465.20	16.27	29.600		
2,500.00	2,451.07	2,374.11	2,353.82	10.38	9.08	171.907	-69.46	-192.32	530.97	514.03	16.94	31.346		
2,600.00	2,545.46	2,461.00	2,439.13	10.99	9.48	171.870	-76.17	-207.40	580.46	562.85	17.62	32.952		
2,700.00	2,639.85	2,547.89	2,524.44	11.61	9.87	171.838	-82.87	-222.47	629.96	611.67	18.30	34.431		
2,800.00	2,734.24	2,634.78	2,609.74	12.24	10.27	171.811	-89.58	-237.55	679.46	660.48	18.98	35.798		
2,900.00	2,828.63	2,721.67	2,695.05	12.87	10.67	171.788	-96.29	-252.63	728.96	709.29	19.67	37.063		
3,000.00	2,923.02	2,808.56	2,780.36	13.51	11.07	171.768	-102.99	-267.71	778.46	758.10	20.36	38.238		
3,100.00	3,017.42	2,895.44	2,865.67	14.15	11.47	171.750	-109.70	-282.78	827.96	806.91	21.05	39.332		
3,200.00	3,111.81	2,982.33	2,950.98	14.79	11.87	171.734	-116.40	-297.86	877.46	855.71	21.75	40.351		
3,300.00	3,206.20	3,069.22	3,036.29	15.44	12.28	171.720	-123.11	-312.94	926.96	904.51	22.44	41.303		
3,400.00	3,300.59	3,156.11	3,121.59	16.09	12.68	171.707	-129.82	-328.02	976.46	953.31	23.14	42.194		
3,500.00	3,394.98	3,243.00	3,206.90	16.74	13.09	171.695	-136.52	-343.09	1,025.95	1,002.11	23.84	43.030		
3,600.00	3,489.37	3,329.89	3,292.21	17.40	13.49	171.685	-143.23	-358.17	1,075.45	1,050.91	24.55	43.815		
3,700.00	3,583.76	3,416.78	3,377.52	18.06	13.90	171.675	-149.94	-373.25	1,124.95	1,099.70	25.25	44.554		
3,800.00	3,678.15	3,503.67	3,462.83	18.71	14.31	171.668	-156.65	-388.33	1,174.45	1,148.59	25.95	45.293		
3,900.00	3,772.54	3,590.56	3,548.14	19.37	14.72	171.663	-163.36	-403.41	1,223.95	1,197.09	26.65	46.032		
4,000.00	3,866.93	3,677.45	3,633.45	20.02	15.13	171.658	-170.07	-418.49	1,273.45	1,245.59	27.35	46.771		
4,100.00	3,961.32	3,764.34	3,718.76	20.67	15.54	171.653	-176.78	-433.57	1,322.95	1,294.09	28.05	47.510		
4,200.00	4,055.71	3,851.23	3,804.07	21.32	15.95	171.648	-183.49	-448.65	1,372.45	1,342.59	28.75	48.249		
4,300.00	4,150.10	3,938.12	3,889.38	21.97	16.36	171.643	-190.40	-463.73	1,421.95	1,391.09	29.45	48.988		
4,400.00	4,244.49	4,025.01	3,974.69	22.62	16.77	171.638	-197.31	-478.81	1,471.45	1,439.59	30.15	49.727		
4,425.70	4,265.10	4,920.78	4,486.32	21.26	20.07	-109.900	-651.03	6.04	1,160.62	1,123.12	37.50	30.951		
4,500.00	4,324.04	4,876.59	4,486.62	21.30	19.50	-104.286	-619.12	-24.54	1,161.75	1,124.48	37.27	31.171		
4,600.00	4,393.91	4,733.35	4,473.23	21.29	17.96	-95.434	-514.42	-120.83	1,163.93	1,128.14	35.78	32.527		
4,700.00	4,451.00	4,632.65	4,443.39	21.26	17.31	-89.487	-440.97	-182.73	1,163.85	1,128.65	35.20	33.064		
4,800.00	4,493.58	4,573.81	4,418.38	21.25	17.15	-86.036	-399.86	-216.54	1,163.77	1,128.56	35.21	33.052		
4,804.45	4,495.11	4,571.25	4,417.17	21.25	17.14	-85.940	-398.12	-217.97	1,163.77	1,128.53	35.24	33.025		

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



Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design: Nageezi Unit (407,408,719,720,721&722) - Nageezi Unit 722H - Original Hole - rev0													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
		Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,520.12	4,517.04	4,389.20	21.30	17.05	-83.804	-362.28	-247.46	1,165.46	1,130.01	35.45	32.875		
5,000.00	4,529.55	4,461.44	4,356.09	21.49	16.97	-81.507	-327.80	-275.81	1,170.39	1,134.47	35.92	32.586		
5,100.00	4,530.87	4,410.80	4,322.29	21.99	16.89	-79.832	-298.69	-299.76	1,179.30	1,142.70	36.60	32.223		
5,200.00	4,532.19	4,367.79	4,291.07	22.92	16.82	-78.300	-275.86	-318.54	1,193.78	1,156.34	37.44	31.882		
5,300.00	4,533.50	4,331.20	4,262.82	24.17	16.76	-76.928	-257.90	-333.31	1,214.21	1,175.82	38.39	31.631		
5,400.00	4,534.82	4,300.00	4,237.61	25.61	16.70	-75.717	-243.72	-344.98	1,240.73	1,201.37	39.37	31.518		
5,500.00	4,536.14	4,273.04	4,215.04	27.20	16.65	-74.645	-232.33	-354.35	1,273.31	1,232.97	40.33	31.569		
5,600.00	4,537.46	4,250.00	4,195.22	28.89	16.60	-73.712	-223.26	-361.81	1,311.73	1,270.47	41.26	31.792		
5,700.00	4,538.78	4,229.51	4,177.22	30.65	16.56	-72.873	-215.71	-368.02	1,355.67	1,313.56	42.11	32.191		
5,800.00	4,540.10	4,200.00	4,150.69	32.48	16.50	-71.651	-205.73	-376.23	1,404.89	1,362.09	42.80	32.823		
5,900.00	4,541.41	4,200.00	4,150.69	34.37	16.50	-71.651	-205.73	-376.23	1,458.60	1,415.00	43.60	33.454		
6,000.00	4,542.73	4,182.16	4,134.35	36.29	16.46	-70.907	-200.21	-380.77	1,516.72	1,472.54	44.18	34.334		
6,100.00	4,544.05	4,169.74	4,122.84	38.26	16.43	-70.387	-196.60	-383.74	1,578.73	1,534.04	44.69	35.323		
6,200.00	4,545.37	4,150.00	4,104.35	40.25	16.38	-69.559	-191.26	-388.13	1,644.31	1,599.22	45.09	36.470		
6,300.00	4,546.69	4,150.00	4,104.35	42.27	16.38	-69.559	-191.26	-388.13	1,712.87	1,667.35	45.52	37.629		

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



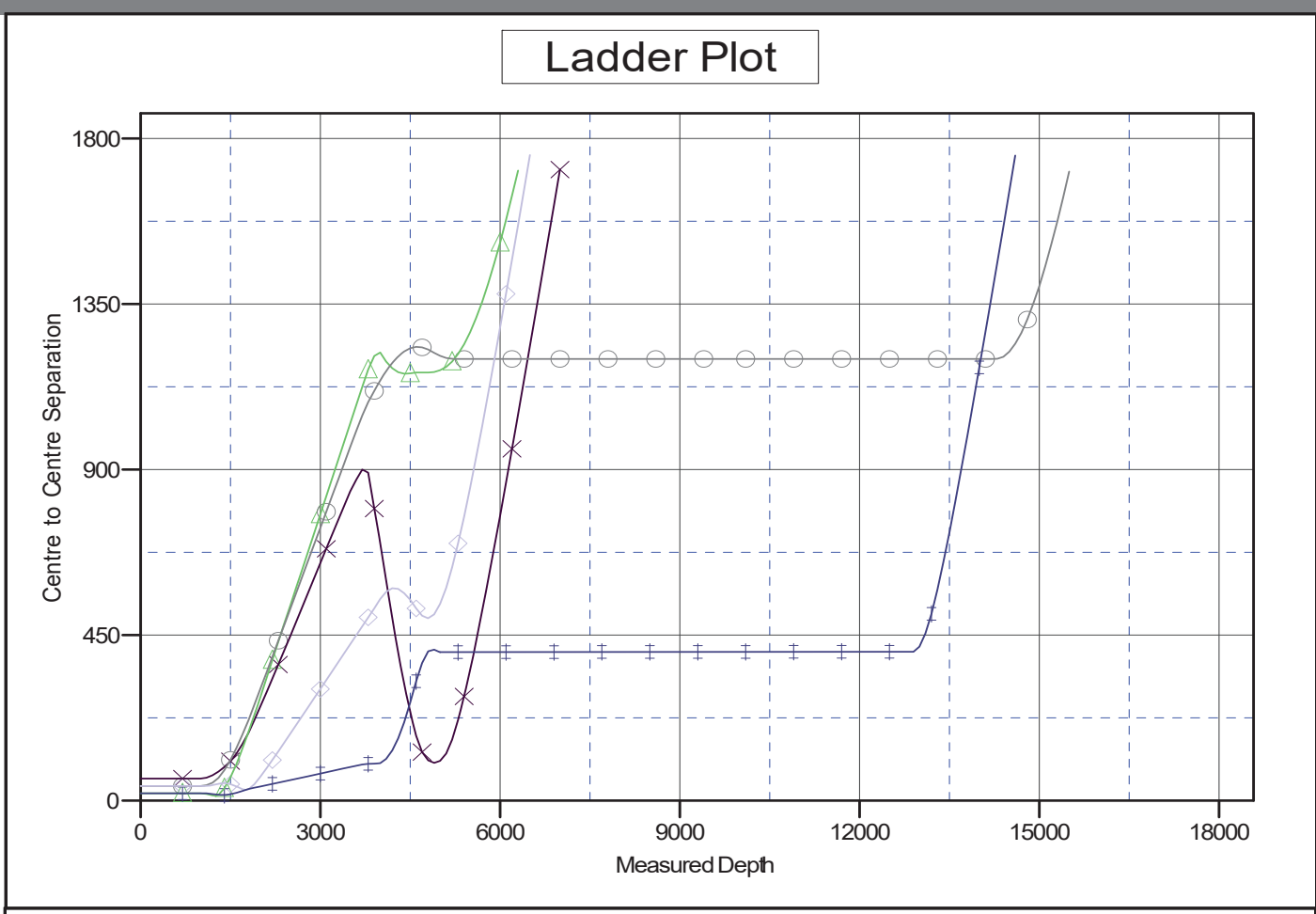
### Anticollision Report



<b>Company:</b>	Enduring Resources LLC	<b>Local Co-ordinate Reference:</b>	Well Nageezi Unit 720H
<b>Project:</b>	San Juan County, New Mexico NAD83 NM W	<b>TVD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Reference Site:</b>	Nageezi Unit (407,408,719,720,721&722)	<b>MD Reference:</b>	RKB=6767+23.5 @ 6790.50ft
<b>Site Error:</b>	0.00 ft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Nageezi Unit 720H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Original Hole	<b>Database:</b>	DT_Jul1724_v17
<b>Reference Design:</b>	rev0	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to RKB=6767+23.5 @ 6790.50ft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -107.83333333

Coordinates are relative to: Nageezi Unit 720H  
 Coordinate System is US State Plane 1983, New Mexico Western Zone  
 Grid Convergence at Surface is: 0.032°



**LEGEND**

NageezLnt721HOriginalHble.ra0.V0	NageezLnt719HOriginalHble.ra0.V0	NageezLnt407HOriginalHble.ra0.V0
NageezLnt722HOriginalHble.ra0.V0	NageezLnt408HOriginalHble.ra0.V0	

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



Anticollision Report

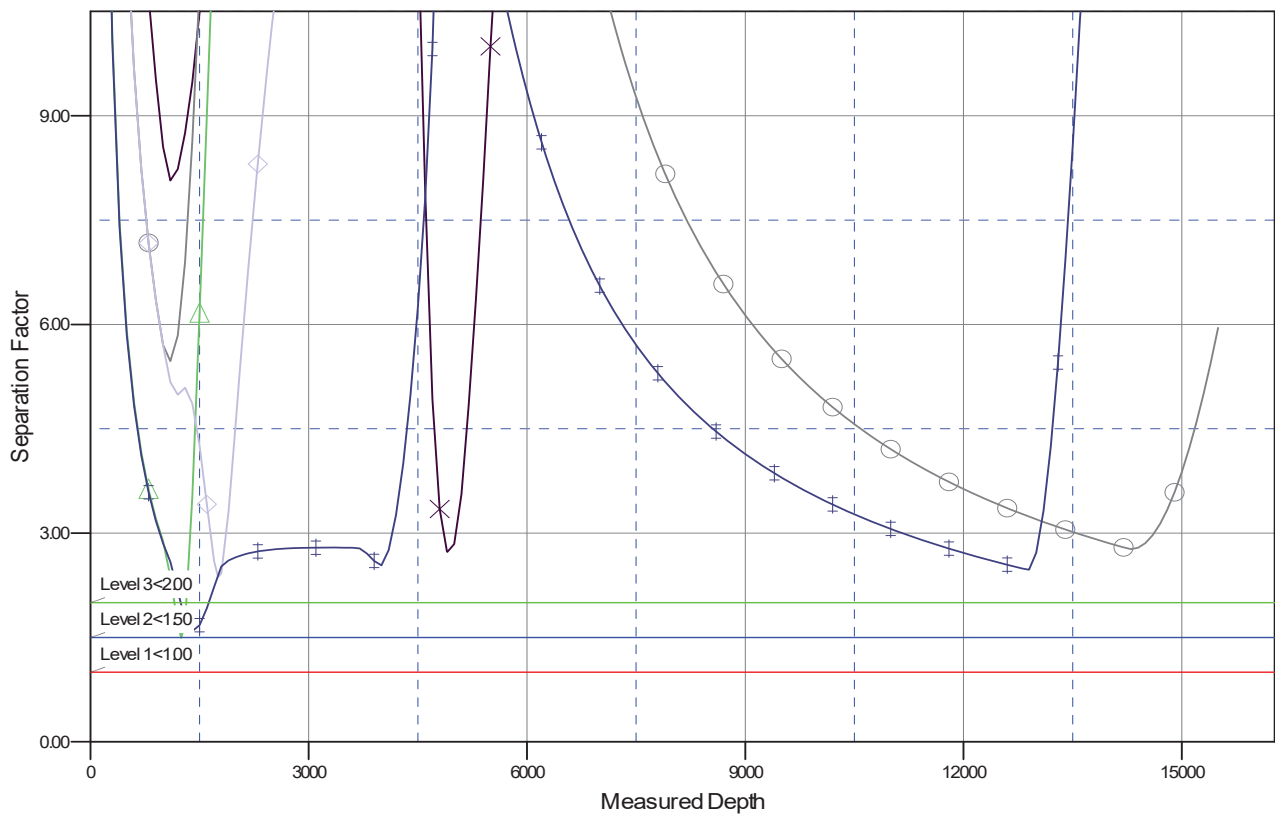


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### Separation Factor Plot



#### LEGEND

- NageezLnt721HOriginalHble.ra0.V0
- NageezLnt719HOriginalHble.ra0.V0
- NageezLnt722HOriginalHble.ra0.V0
- NageezLnt407HOriginalHble.ra0.V0
- NageezLnt408HOriginalHble.ra0.V0

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



## 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

#720H NAGEEZI UNIT

Lease: NMNM 008005 Agreement: NMNM 132981A

SH: NE $\frac{1}{4}$ SW $\frac{1}{4}$  Section 3, T.23 N., R.9 W.

San Juan County, New Mexico

BH: NW $\frac{1}{4}$ NW $\frac{1}{4}$  Section 33, T.23 N., R.9 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 the surface casing to a minimum of \_\_\_\_\_ psi for 30 minutes.
- D.  Test all casing strings below the surface 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.
- E.  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.
- F.  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.

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

## 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 5<sup>th</sup> 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.

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

Action 544459

**ACKNOWLEDGMENTS**

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 544459
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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**State of New Mexico**  
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CONDITIONS

Action 544459

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Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
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	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.	1/20/2026
scrues76	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	1/20/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	3/25/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	3/25/2026
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.	3/25/2026
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.	3/25/2026
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.	3/25/2026