Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

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

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

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-045-38370

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

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

At surface

At proposed prod. zone

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

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

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

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

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

24. Attachments

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

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

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

Title

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

Title	Office

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 08/12/2024

C-102
Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type: ☒ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-045-38370	98080	NAGEEZI UNIT; MANCOS (OIL)

Property Code	Property Name	Well Number
325268	NAGEEZI UNIT	733H

OGRID No.	Operator Name	Ground Level Elevation
371838	DJR OPERATING, LLC	6711'

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

Surface Location (SHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
P	4	23N	9W		1134' SOUTH	91' EAST	36.251880° N	107.785679° W	SAN JUAN

Bottom Hole Location (BHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
I	10	23N	9W		1397' SOUTH	357' EAST	36.237965° N	107.768324° W	SAN JUAN

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
PENETRATED SPACING UNIT; SEC 3: SW/SW & SE/SW (80 AC.); SEC 10: NW/NW, NE/NW, SE/NW, NW/NE, SW/NE, SE/NE, NW/SE, NE/SE & SE/SE (360 AC.) = 440 ACRES			N	

Order Numbers:
Well Setbacks are under Common Ownership: ☐ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
M	3	23N	9W		612' SOUTH	839' WEST	36.250432° N	107.782529° W	SAN JUAN

Fist Take Point (FTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
M	3	23N	9W		612' SOUTH	839' WEST	36.250432° N	107.782529° W	SAN JUAN

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
I	10	23N	9W		1397' SOUTH	357' EAST	36.237965° N	107.768324° W	SAN JUAN

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

OPERATOR CERTIFICATIONS

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

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

Shaw-Marie Ford — 8/28/2024
Signature — Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

SURVEYOR CERTIFICATIONS

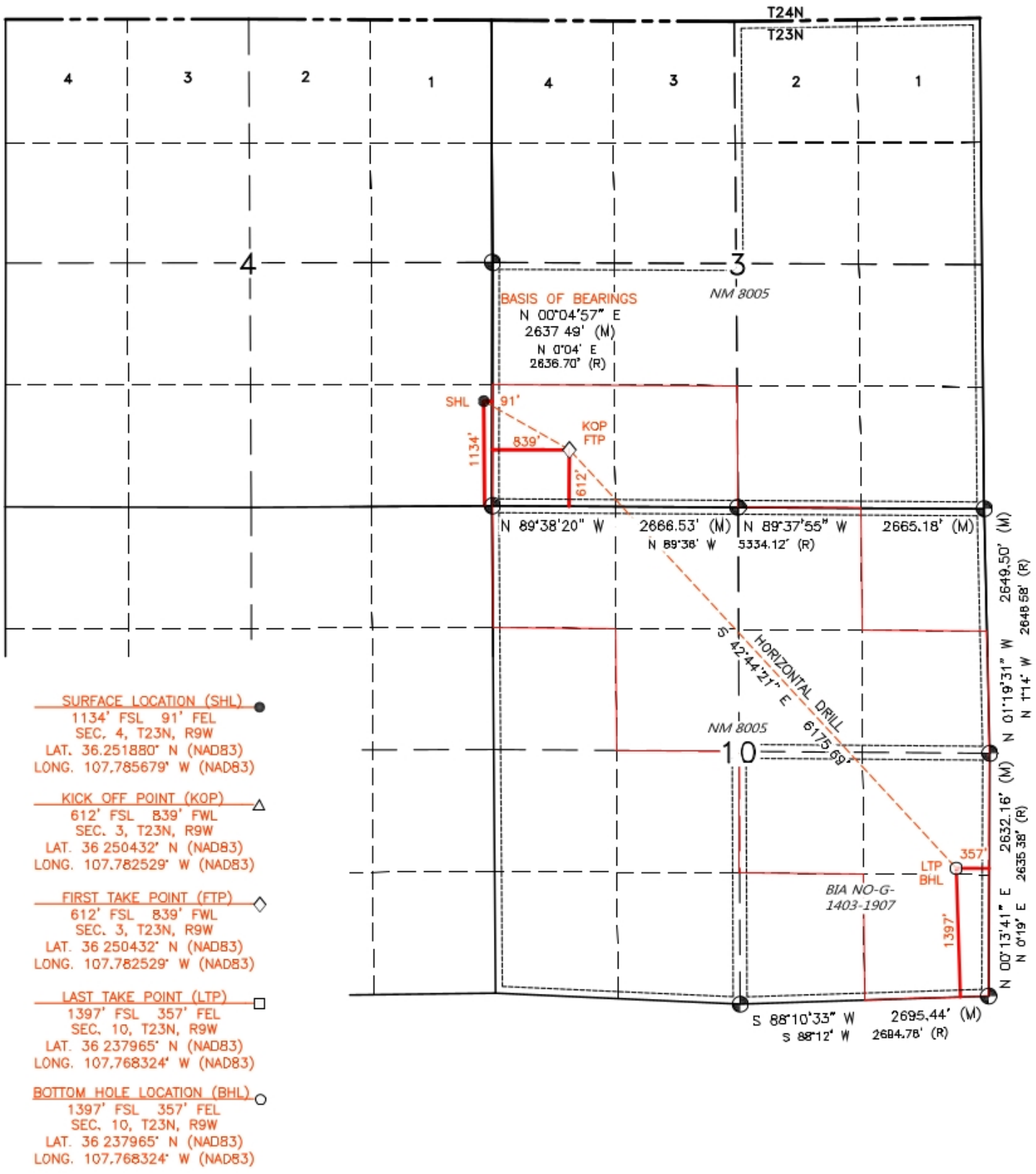
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

HENRY P. BROADHURST — NEW MEXICO — 11393 — 08/19/2024 — PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor:

Certificate Number	Date of Survey
11393	MARCH 24, 2023

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SURFACE LOCATION (SHL)
1134' FSL 91' FEL
SEC. 4, T23N, R9W
LAT. 36.251880° N (NAD83)
LONG. 107.785679° W (NAD83)

KICK OFF POINT (KOP)
612' FSL 839' FWL
SEC. 3, T23N, R9W
LAT. 36.250432° N (NAD83)
LONG. 107.782529° W (NAD83)

FIRST TAKE POINT (FTP)
612' FSL 839' FWL
SEC. 3, T23N, R9W
LAT. 36.250432° N (NAD83)
LONG. 107.782529° W (NAD83)

LAST TAKE POINT (LTP)
1397' FSL 357' FEL
SEC. 10, T23N, R9W
LAT. 36.237965° N (NAD83)
LONG. 107.768324° W (NAD83)

BOTTOM HOLE LOCATION (BHL)
1397' FSL 357' FEL
SEC. 10, T23N, R9W
LAT. 36.237965° N (NAD83)
LONG. 107.768324° 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:** _08_/_19_/_2024_

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 701H	TBD	P-04-23N-09W	1135 FSL x 131 FEL	185	47	46
NAGEEZI UNIT 704H	TBD	P-04-23N-09W	1134 FSL x 111 FEL	200	51	50
NAGEEZI UNIT 732H	TBD	P-04-23N-09W	1134 FSL x 71 FEL	225	58	56
NAGEEZI UNIT 733H	TBD	P-04-23N-09W	1134 FSL x 91 FEL	194	50	48

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 701H	TBD	12/27/2024	1/6/2025	2/13/2025	2/28/2025	3/2/2025
NAGEEZI UNIT 704H	TBD	1/4/2025	1/14/2025	2/13/2025	3/4/2025	3/6/2025
NAGEEZI UNIT 732H	TBD	1/13/2025	1/23/2025	2/13/2025	3/9/2025	3/11/2025
NAGEEZI UNIT 733H	TBD	1/21/2025	1/31/2025	2/13/2025	3/14/2025	3/16/2025

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:
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 8/19/2024
Phone: 505-716-3297

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Nageezi Unit 701H, 704H, 732H, and 733H
SESE P-04-23N-09W

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.

200 Energy Court
Farmington, NM 87401
Phone (505) 636-9720

DJR OPERATING, LLC.
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Nageezi Unit 701H, 704H, 732H, and 733H
SESE P-04-23N-09W

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

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NATURAL GAS MANAGEMENT PLAN
Nageezi Unit 701H, 704H, 732H, and 733H
SESE P-04-23N-09W

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.

DJR Operating, LLC

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 be 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.

200 Energy Court
Farmington, NM 87401
Phone (505) 636-9720

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.

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DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Nageezi Unit 701H, 704H, 732H, and 733H
SESE P-04-23N-09W

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.

DJRs 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.

200 Energy Court
Farmington, NM 87401
Phone (505) 636-9720

Rev 3

DJR Operating

DRILLING AND CASING PLAN
Nageezi Unit #733H
San Juan County, New Mexico

Surface Location
91-ft FEL & 1134-ft FSL
Sec 4 T23N R9W
Graded Elevation 6711' MSL
RKB Elevation 6725' (14' KB)

SHL Geographical Coordinates (NAD-83)
Latitude 36.2518800° N
Longitude 107.7856790° W

Kick Off Point for Horizontal Build Curve
3994-ft MD
3949-ft TVD

Local Coordinates (from SHL)
154-ft South
529-ft East

Heel Location (Pay zone entry)
839-ft FWL & 612-ft FSL
Sec 3 T23N R9W

Heel Geographical Coordinates (NAD-83)
Latitude 36.25043193° N
Longitude 107.78252859° W

Bottom Hole Location (TD)
357-ft FEL & 1397-ft FSL
Sec 10 T23N R9W

BHL Geographical Coordinates (NAD-83)
Latitude 36.237965° N
Longitude 107.7683242° W

Well objectives
This well is planned as a 6180-ft lateral in the Mancos Silt sand.

Bottom Hole temperature and pressure
The temperature in the Mancos Silt horizontal objective is 129°F. Bottom hole pressure in the Mancos Silt is forecast to be 1985 psi.

Formation Tops (Sd = Sand; Sh = Shale; Siltstone = Slt, Coal = C; W = water; O = oil; G = gas; NP = no penetration)

Name	MD (ft)	TVD (ft)	Lithology	Pore fluid	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Ojo Alamo	440	440	Sd	W	8.3	8.4 – 8.8
Kirtland	572	572	Sh	-	8.3	8.4 – 8.8
Fruitland	884	882	C	G	8.3	9.0 - 9.5
Pictured Cliffs	1153	1148	Sd	W	8.3	9.0 - 9.5
Lewis	1258	1251	Sh	-		9.0 - 9.5
Chacra	1853	1838	Sd	-	8.3	9.0 - 9.5
Menefee	2607	2581	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	3596	3556	Sd	-	8.3	9.0 - 9.5
Mancos	3747	3705	Sh	-		9.0 - 9.5
Mancos Silt	4074	4027	Slt	O/G	6.6	9.0 - 9.5
Gallup A	NP	NP	Slt	O/G	6.6	9.0 - 9.5
Gallup B	NP	NP	Sd	O/G	6.6	8.8 -9.0
Gallup C	NP	NP	Sd	O/G	6.6	8.8 -9.0
Target	4778	4415	Sd	O/G	6.6	8.8 -9.0

Casing Program

Casing OD	Hole Size	Weight (#/ft)	Grade	Coupling	MD Top	MD Bottom	TVD Top	TVD Bottom	Top of Cement
9-5/8"	12-1/4"	36	K-55	STC	surf	350	surf	350	surface
7"	8-3/4"	26	K-55	LTC	surf	4726	surf	4413	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	4486	10954	4342	4359	4486

Note: all casing will be new

Rev 3

DJR Operating

Casing Design Load Cases

	Description	Casing String 9-5/8" Surface	7" Intermediate	4-1/2" Production Liner
Collapse	Full internal evacuation[1]	✓	✓	✓
	Cementing	✓	✓	✓
Burst	Pressure test	✓[2]	✓[2]	✓
	Gas kick		✓[3]	
	Fracture at shoe, 1/3 BHP at surface		✓[4]	
	Injection down casing			✓[5]
Axial	Dynamic load on casing coupling[6]	✓	✓	✓
Axial	Overpull[7]	✓	✓	✓

Note #

1 Fluid level at shoe, air column to surface, pore pressure outside
2 Tested to 80% of minimum internal yield with freshwater inside, pore pressure outside
3 50 bbl kick at TD, 0.50 ppg intensity, 4" drill pipe, 9.0 ppg mud, fracture gradient at shoe
4 2060 psi BHP, 687 psi surface pressure, 12.5 ppg EMW shoe integrity
5 Surface stimulation pressure of 8000 psi on 8.3 ppg fluid column. Stimulation will be down frac string, so load does not apply to 7" intermediate casing.
6 Shock load from abrupt pipe deceleration, evaluated against coupling rating
7 Overpull values as follows: Surface casing 20,000 lbs, Intermediate & Production 100,000 lbs

Casing Design Factors

Casing string	Casing OD	Design Factors Burst	Collapse	Axial	Triaxial
Surface	9-5/8"	1.25	13.38	8.16	1.56
Intermediate	7"	1.25	1.50	1.68	1.34
Production liner	4-1/2"	1.37	3.68	1.88	1.69

Cement Design

9-5/8" Surface Casing	Lead
Name	Redi-Mix
Type	I-II
Planned top	Surface
Density (ppg)	14.50
Yield (cf/sx)	1.61
Mix water (gal/sx)	7.41
Volume (sx)	114
Volume (bbls)	33
Volume (cu. ft.)	185
Excess %	50

7" Intermediate Casing	Lead	Tail
	American	American
Type	I/II	Poz/G
Planned top	Surface	3747-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.34	1.51
Mix water (gal/sx)	13.22	7.13
Volume (sx)	413	103
Volume (bbls)	172	28
Volume (cu.ft.)	967	156
Excess %	78	0

4-1/2" Production Liner

	American
Type	Poz/G
Planned top	4486-ft
Density (ppg)	13.3
Yield (cf/sx)	1.52
Mix water (gal/sx)	7.52
Volume (sx)	559
Volume (bbls)	151
Volume (cu.ft)	850
Excess %	40

Wellhead & Pressure Control
The well head will be an 11" 5M multi-bowl system. A 3M BOPE conforming to Onshore Order #2 will be installed on the surface casing. The BOP and accumulator will meet API 16D and 16E respectively.

A PVT mud monitoring system and a trip tank will be rigged up and operational for all hole intervals. An electronic geolograph will be employed to monitor and record drilling data (ROP, WOB, SPM, Pressure, RPM and torque).

Mud Program
Surface hole will be drilled with a fresh water, native mud system. In intermediate hole, a low weight 7% KCl LSND drilling fluid will be used, with KCl providing chemical stability for the young shales and clays present in the interval. In production hole a LSND system with polymer and lubricant additives is programmed. Sufficient drill water and mud additives will be on hand to maintain adequate pit volumes and maintain well control.

Hole Section	Fluid type	Interval (MD)	Density (ppg)	Funnel Viscosity	Yield Point	Fluid Loss (cc/30 min)
Surface	Fresh water spud mud	0 – 350	8.4 – 8.8	32 – 44	2 – 12	NC
Intermediate	7% KCl Low solids, non-dispersed	350 – 4726	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	4726 – 10954	8.8 – 9.2	34 – 38	6 – 8	6 – 8

Cores, tests and logs
Wellbore surveying: Drift (inclination only) surveys will be obtained in surface hole. MWD directional surveys will be taken in intermediate and production hole.

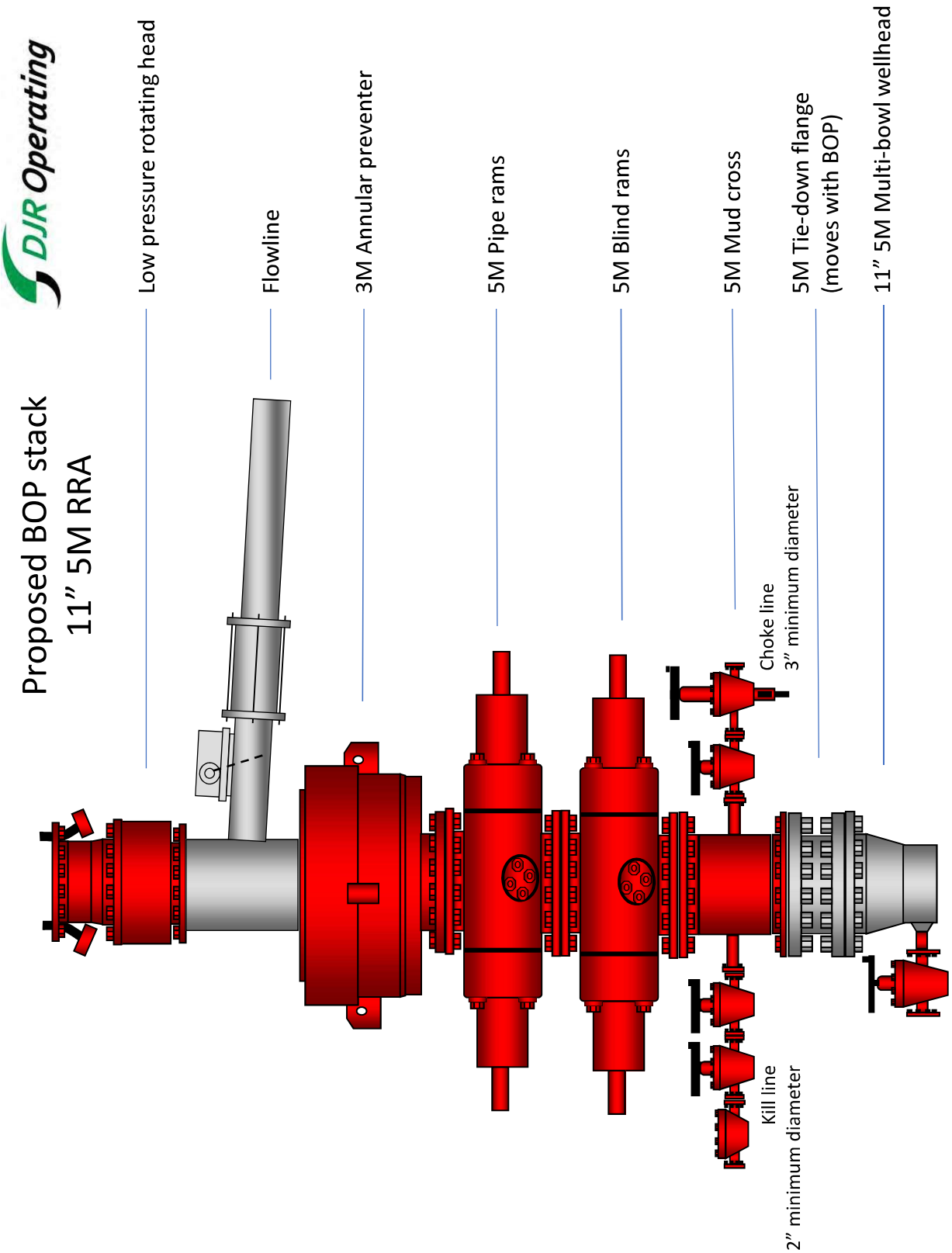
Logging while drilling: None in surface hole. MWD GR in intermediate and production hole.

Mud logging: a two-person mud logging unit with C1 – C4 gas analysis will be operational in intermediate and production hole.

Electric logging: No open hole electric logs are programmed. A cased hole GR/CCL will be run during completions for perforating depth control.

Cuttings and drilling fluids management
A closed loop, steel tank-based circulating system will be used. In addition to the rig solids control equipment, a dewatering centrifuge and chemical flocculation system will be operational to strip solids from the whole mud. All solids will be collected in 3-sided bins and will then be put into transports with a bucket loader. Drying agents will be used if necessary. The solids will be taken to a licensed commercial disposal facility. Whole mud will be dewatered back to drill water and used as make up for subsequent wells or hauled off for disposal. A diagram of the closed loop system is included.

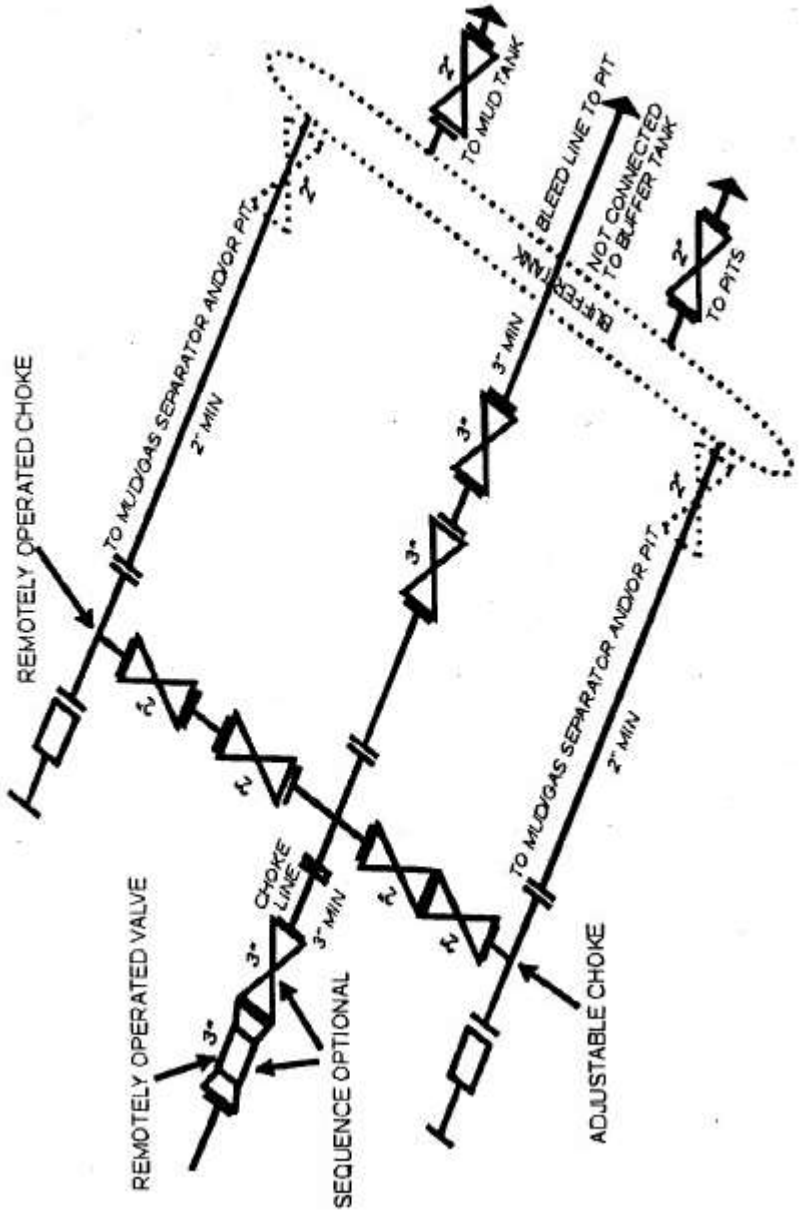
Completion
It is envisioned that this well will be completed with a multi-stage sand frac, using the plug and perf technique. After drilling out the plugs, the current plan is to install a 2-7/8" plunger-assisted gas lift tubing string. The stimulation and completion plan will be sundried at a later date.


Proposed BOP stack
11” 5M RRA
DJR Operating
Low pressure rotating head
Flowline
3M Annular preventer
5M Pipe rams
5M Blind rams
5M Mud cross
5M Tie-down flange
(moves with BOP)
11” 5M Multi-bowl wellhead
Choke line
3” minimum diameter
Kill line
2” minimum diameter

DJR Operating

Choke Manifold

Actual system to conform with Onshore Order 2



DJR Operating

Company: DJR Operating
Project: Nageezi Unit
Site: P04 2309
Well: 733H
Wellbore: Original Drilling
Design: APD

PROJECT DETAILS: Nageezi Unit

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Local North: True

LONESTAR CONSULTING

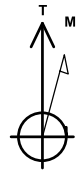
WELL DETAILS: 733H

GL 6711' & RKB 14' @ 6725ft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0	0	1910986.33	2737142.26	36.25188000	-107.78567900	3

Plan: APD (733H/Original Drilling)

Created By: Janie Collins Date: 11:44, April 20 2023



Azimuths to True North
Magnetic North: 8.[illegible]°

Magnetic Field
Strength: 49225.[illegible]nT
Dip Angle: 62.[illegible]°
Date: 6/2/2023
Model: IGRF2[illegible]5

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
733H Heel	4415	-527	929	1910459.67	2738071.41	36.25043193	-107.78252859
733H Toe	4359	-5065	5118	1905923.93	2742262.61	36.23796500	-107.76832420

SECTION DETAILS

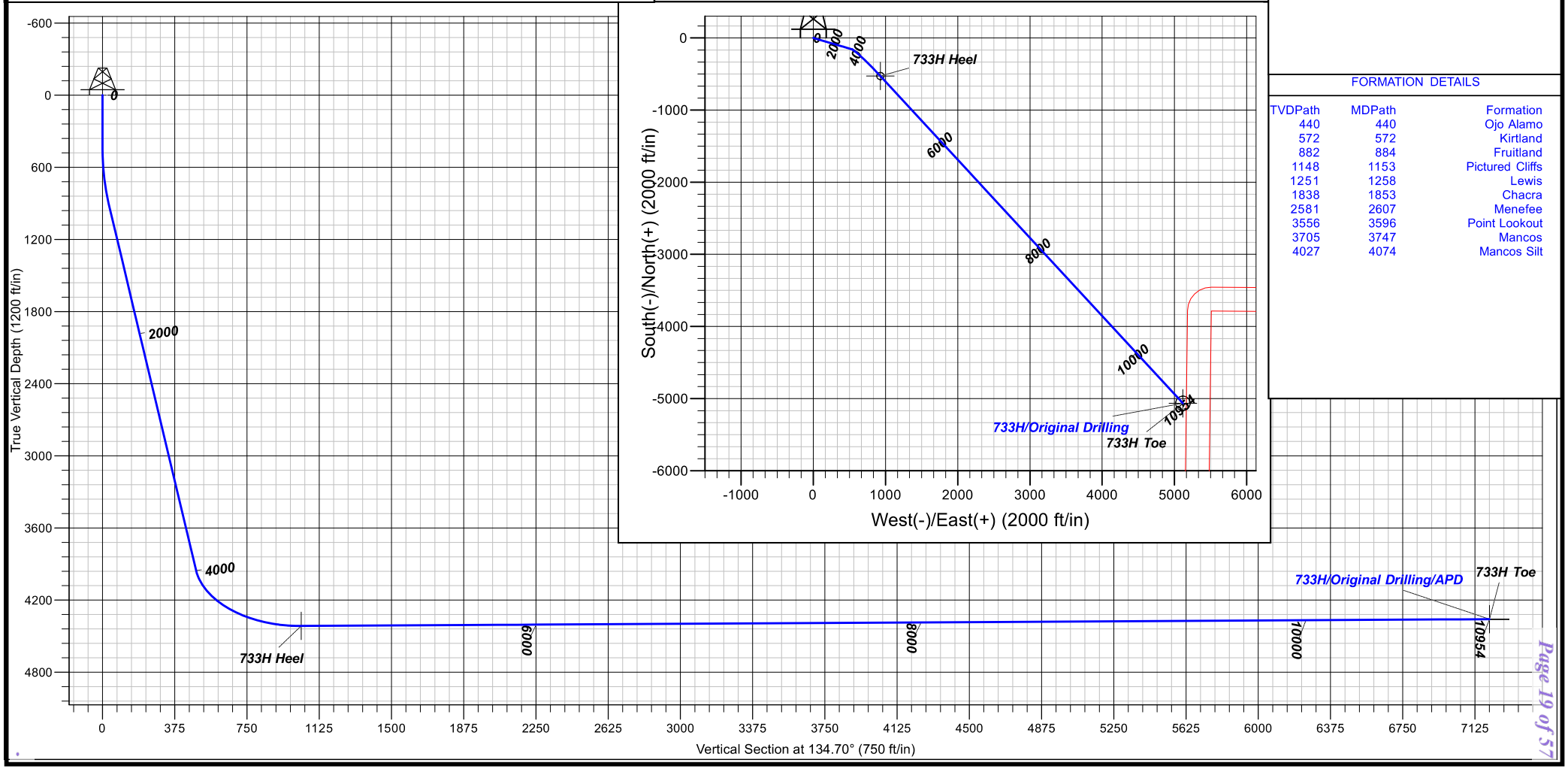
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0	0.00	0.00	0	0	0	0.00	0.00	0
450	0.00	0.00	450	0	0	0.00	0.00	0
930	9.60	106.27	928	-11	39	2.00	106.27	35
3994	9.60	106.27	3949	-154	529	0.00	0.00	485
4778	90.52	137.29	4415	-527	929	10.50	31.33	1031
10954	90.52	137.29	4359	-5065	5118	0.00	0.00	7200

CASING DETAILS

TVD	MD	Name
350	350	Surface
4413	4726	Intermediate

FORMATION DETAILS

TVDPath	MDPath	Formation
440	440	Ojo Alamo
572	572	Kirtland
882	884	Fruitland
1148	1153	Pictured Cliffs
1251	1258	Lewis
1838	1853	Chacra
2581	2607	Menefee
3556	3596	Point Lookout
3705	3747	Mancos
4027	4074	Mancos Silt



DJR Operating

Nageezi Unit
P04 2309
733H - Slot 3

Original Drilling

Plan: APD

Standard Planning Report

20 April, 2023

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	Grand Junction	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Company:	DJR Operating	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Project:	Nageezi Unit	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site:	P04 2309	**North Reference:**	True
Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD		

Project Nageezi Unit

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

Site P04 2309

Site Position:		**Northing:**	1,910,986.31 usft	**Latitude:**	36.25188000
From:	Lat/Long	**Easting:**	2,737,102.46 usft	**Longitude:**	-107.78581400
Position Uncertainty:	0 ft	**Slot Radius:**	13.20 in		

Well 733H - Slot 3

Well Position	**+N/-S**	0 ft	**Northing:**	1,910,986.33 usft	**Latitude:**	36.25188000
	+E/-W	0 ft	**Easting:**	2,737,142.26 usft	**Longitude:**	-107.78567900
Position Uncertainty		0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	6711 ft
Grid Convergence:		0.03 °				

Wellbore Original Drilling

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/2/2022	8.71	62.86	49,225.41245900

Design APD

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	134.70

Plan Survey Tool Program **Date** 4/19/2023

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0	10,954	APD (Original Drilling)	MWD+IGRF	
				OWSG MWD + IGRF or WMM	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	
450	0.00	0.00	450	0	0	0.00	0.00	0.00	0.00	
930	9.60	106.27	928	-11	39	2.00	2.00	0.00	106.27	
3994	9.60	106.27	3949	-154	529	0.00	0.00	0.00	0.00	
4778	90.52	137.29	4415	-527	929	10.50	10.32	3.96	31.33	733H Heel
10,954	90.52	137.29	4359	-5065	5118	0.00	0.00	0.00	0.00	733H Toe

DJR Operating

Lonestar Consulting, LLC

Planning Report

Database:	Grand Junction	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Company:	DJR Operating	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Project:	Nageezi Unit	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site:	P04 2309	**North Reference:**	True
Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00
100	0.00	0.00	100	0	0	0	0.00	0.00	0.00
200	0.00	0.00	200	0	0	0	0.00	0.00	0.00
300	0.00	0.00	300	0	0	0	0.00	0.00	0.00
400	0.00	0.00	400	0	0	0	0.00	0.00	0.00
450	0.00	0.00	450	0	0	0	0.00	0.00	0.00
500	1.00	106.27	500	0	0	0	2.00	2.00	0.00
600	3.00	106.27	600	-1	4	3	2.00	2.00	0.00
700	5.00	106.27	700	-3	10	10	2.00	2.00	0.00
800	7.00	106.27	799	-6	20	19	2.00	2.00	0.00
900	9.00	106.27	898	-10	34	31	2.00	2.00	0.00
930	9.60	106.27	928	-11	39	35	2.00	2.00	0.00
1000	9.60	106.27	997	-15	50	46	0.00	0.00	0.00
1100	9.60	106.27	1095	-19	66	60	0.00	0.00	0.00
1200	9.60	106.27	1194	-24	82	75	0.00	0.00	0.00
1300	9.60	106.27	1293	-29	98	90	0.00	0.00	0.00
1400	9.60	106.27	1391	-33	114	104	0.00	0.00	0.00
1500	9.60	106.27	1490	-38	130	119	0.00	0.00	0.00
1600	9.60	106.27	1588	-43	146	134	0.00	0.00	0.00
1700	9.60	106.27	1687	-47	162	148	0.00	0.00	0.00
1800	9.60	106.27	1786	-52	178	163	0.00	0.00	0.00
1900	9.60	106.27	1884	-57	194	178	0.00	0.00	0.00
2000	9.60	106.27	1983	-61	210	192	0.00	0.00	0.00
2100	9.60	106.27	2081	-66	226	207	0.00	0.00	0.00
2200	9.60	106.27	2180	-71	242	222	0.00	0.00	0.00
2300	9.60	106.27	2279	-75	258	236	0.00	0.00	0.00
2400	9.60	106.27	2377	-80	274	251	0.00	0.00	0.00
2500	9.60	106.27	2476	-85	290	266	0.00	0.00	0.00
2600	9.60	106.27	2574	-89	306	280	0.00	0.00	0.00
2700	9.60	106.27	2673	-94	322	295	0.00	0.00	0.00
2800	9.60	106.27	2772	-99	338	310	0.00	0.00	0.00
2900	9.60	106.27	2870	-103	354	324	0.00	0.00	0.00
3000	9.60	106.27	2969	-108	370	339	0.00	0.00	0.00
3100	9.60	106.27	3067	-113	386	354	0.00	0.00	0.00
3200	9.60	106.27	3166	-117	402	368	0.00	0.00	0.00
3300	9.60	106.27	3265	-122	418	383	0.00	0.00	0.00
3400	9.60	106.27	3363	-127	434	398	0.00	0.00	0.00
3500	9.60	106.27	3462	-131	450	412	0.00	0.00	0.00
3600	9.60	106.27	3560	-136	466	427	0.00	0.00	0.00
3700	9.60	106.27	3659	-141	482	442	0.00	0.00	0.00
3800	9.60	106.27	3758	-145	498	456	0.00	0.00	0.00
3900	9.60	106.27	3856	-150	514	471	0.00	0.00	0.00
3994	9.60	106.27	3949	-154	529	485	0.00	0.00	0.00
4000	10.10	108.00	3955	-155	530	486	10.50	9.05	31.13
4100	19.91	123.34	4051	-167	553	510	10.50	9.81	15.34
4200	30.18	128.63	4142	-192	587	552	10.50	10.27	5.30
4300	40.56	131.41	4223	-229	631	610	10.50	10.38	2.77
4400	50.98	133.20	4293	-277	684	681	10.50	10.42	1.79
4500	61.42	134.53	4348	-335	743	764	10.50	10.44	1.33
4600	71.87	135.61	4388	-400	808	856	10.50	10.45	1.08
4700	82.33	136.57	4410	-470	876	953	10.50	10.46	0.96
4778	90.52	137.29	4415	-527	929	1031	10.50	10.46	0.92
4800	90.52	137.29	4415	-543	944	1053	0.00	0.00	0.00
4900	90.52	137.29	4414	-617	1011	1153	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC

Planning Report

Database:	Grand Junction	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Company:	DJR Operating	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Project:	Nageezi Unit	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site:	P04 2309	**North Reference:**	True
Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5000	90.52	137.29	4413	-690	1079	1252	0.00	0.00	0.00
5100	90.52	137.29	4412	-763	1147	1352	0.00	0.00	0.00
5200	90.52	137.29	4411	-837	1215	1452	0.00	0.00	0.00
5300	90.52	137.29	4410	-910	1283	1552	0.00	0.00	0.00
5400	90.52	137.29	4410	-984	1351	1652	0.00	0.00	0.00
5500	90.52	137.29	4409	-1057	1418	1752	0.00	0.00	0.00
5600	90.52	137.29	4408	-1131	1486	1852	0.00	0.00	0.00
5700	90.52	137.29	4407	-1204	1554	1952	0.00	0.00	0.00
5800	90.52	137.29	4406	-1278	1622	2052	0.00	0.00	0.00
5900	90.52	137.29	4405	-1351	1690	2152	0.00	0.00	0.00
6000	90.52	137.29	4404	-1425	1758	2251	0.00	0.00	0.00
6100	90.52	137.29	4403	-1498	1825	2351	0.00	0.00	0.00
6200	90.52	137.29	4402	-1572	1893	2451	0.00	0.00	0.00
6300	90.52	137.29	4401	-1645	1961	2551	0.00	0.00	0.00
6400	90.52	137.29	4400	-1719	2029	2651	0.00	0.00	0.00
6500	90.52	137.29	4400	-1792	2097	2751	0.00	0.00	0.00
6600	90.52	137.29	4399	-1866	2165	2851	0.00	0.00	0.00
6700	90.52	137.29	4398	-1939	2232	2951	0.00	0.00	0.00
6800	90.52	137.29	4397	-2013	2300	3051	0.00	0.00	0.00
6900	90.52	137.29	4396	-2086	2368	3150	0.00	0.00	0.00
7000	90.52	137.29	4395	-2160	2436	3250	0.00	0.00	0.00
7100	90.52	137.29	4394	-2233	2504	3350	0.00	0.00	0.00
7200	90.52	137.29	4393	-2306	2571	3450	0.00	0.00	0.00
7300	90.52	137.29	4392	-2380	2639	3550	0.00	0.00	0.00
7400	90.52	137.29	4391	-2453	2707	3650	0.00	0.00	0.00
7500	90.52	137.29	4390	-2527	2775	3750	0.00	0.00	0.00
7600	90.52	137.29	4390	-2600	2843	3850	0.00	0.00	0.00
7700	90.52	137.29	4389	-2674	2911	3950	0.00	0.00	0.00
7800	90.52	137.29	4388	-2747	2978	4050	0.00	0.00	0.00
7900	90.52	137.29	4387	-2821	3046	4149	0.00	0.00	0.00
8000	90.52	137.29	4386	-2894	3114	4249	0.00	0.00	0.00
8100	90.52	137.29	4385	-2968	3182	4349	0.00	0.00	0.00
8200	90.52	137.29	4384	-3041	3250	4449	0.00	0.00	0.00
8300	90.52	137.29	4383	-3115	3318	4549	0.00	0.00	0.00
8400	90.52	137.29	4382	-3188	3385	4649	0.00	0.00	0.00
8500	90.52	137.29	4381	-3262	3453	4749	0.00	0.00	0.00
8600	90.52	137.29	4380	-3335	3521	4849	0.00	0.00	0.00
8700	90.52	137.29	4379	-3409	3589	4949	0.00	0.00	0.00
8800	90.52	137.29	4379	-3482	3657	5048	0.00	0.00	0.00
8900	90.52	137.29	4378	-3556	3725	5148	0.00	0.00	0.00
9000	90.52	137.29	4377	-3629	3792	5248	0.00	0.00	0.00
9100	90.52	137.29	4376	-3702	3860	5348	0.00	0.00	0.00
9200	90.52	137.29	4375	-3776	3928	5448	0.00	0.00	0.00
9300	90.52	137.29	4374	-3849	3996	5548	0.00	0.00	0.00
9400	90.52	137.29	4373	-3923	4064	5648	0.00	0.00	0.00
9500	90.52	137.29	4372	-3996	4132	5748	0.00	0.00	0.00
9600	90.52	137.29	4371	-4070	4199	5848	0.00	0.00	0.00
9700	90.52	137.29	4370	-4143	4267	5948	0.00	0.00	0.00
9800	90.52	137.29	4369	-4217	4335	6047	0.00	0.00	0.00
9900	90.52	137.29	4369	-4290	4403	6147	0.00	0.00	0.00
10,000	90.52	137.29	4368	-4364	4471	6247	0.00	0.00	0.00
10,100	90.52	137.29	4367	-4437	4538	6347	0.00	0.00	0.00
10,200	90.52	137.29	4366	-4511	4606	6447	0.00	0.00	0.00
10,300	90.52	137.29	4365	-4584	4674	6547	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC
Planning Report

Database:	Grand Junction	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Company:	DJR Operating	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Project:	Nageezi Unit	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site:	P04 2309	**North Reference:**	True
Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,400	90.52	137.29	4364	-4658	4742	6647	0.00	0.00	0.00
10,500	90.52	137.29	4363	-4731	4810	6747	0.00	0.00	0.00
10,600	90.52	137.29	4362	-4805	4878	6847	0.00	0.00	0.00
10,700	90.52	137.29	4361	-4878	4945	6946	0.00	0.00	0.00
10,800	90.52	137.29	4360	-4952	5013	7046	0.00	0.00	0.00
10,900	90.52	137.29	4359	-5025	5081	7146	0.00	0.00	0.00
10,954	90.52	137.29	4359	-5065	5118	7200	0.00	0.00	0.00

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
733H Toe - plan hits target center - Circle (radius 100)	0.00	0.00	4359	-5065	5118	1,905,923.93	2,742,262.62	36.23796500	-107.76832420
733H Heel - plan hits target center - Circle (radius 50)	0.00	0.00	4415	-527	929	1,910,459.68	2,738,071.41	36.25043193	-107.78252859

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
350	350	Surface	9.63	12.25
4726	4413	Intermediate	7.00	8.75

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
440	440	Ojo Alamo		0.00	0.00
572	572	Kirtland		0.00	0.00
884	882	Fruitland		0.00	0.00
1153	1148	Pictured Cliffs		0.00	0.00
1258	1251	Lewis		0.00	0.00
1853	1838	Chacra		0.00	0.00
2607	2581	Menefee		0.00	0.00
3596	3556	Point Lookout		0.00	0.00
3747	3705	Mancos		0.00	0.00
4074	4027	Mancos Silt		0.00	0.00

DJR Operating

Nageezi Unit
P04 2309
733H

Original Drilling
APD

Anticollision Report

20 April, 2023

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Reference APD

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 15,000ft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 4/19/2023

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0	10,954	APD (Original Drilling)	MWD+IGRF	OWSG MWD + IGRF or WMM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
A09 2309						
507H (ECA) - Original drilling - As drilled	4933	4648	833	787	18.309	CC, ES
507H (ECA) - Original drilling - As drilled	5100	4568	845	797	17.764	SF
510H (ECA) - Original drilling - Original drilling	10,824	11,614	824	528	2.781	CC
510H (ECA) - Original drilling - Original drilling	10,954	11,741	824	522	2.732	ES, SF
K03 2309						
# 405H - Original drilling - Original drilling	4509	4836	865	825	21.754	CC, ES
# 405H - Original drilling - Original drilling	4700	4733	891	848	20.903	SF
# 406H - Original drilling - Original drilling	5670	6521	799	718	9.892	CC
# 406H - Original drilling - Original drilling	10,204	11,045	835	557	3.004	ES, SF
P04 2309						
701H - Original Drilling - APD	450	450	40	37	13.394	CC, ES
701H - Original Drilling - APD	600	598	46	42	11.548	SF
704H - Original Drilling - APD	450	450	20	17	6.320	CC, ES
704H - Original Drilling - APD	10,954	11,334	1554	1207	4.471	SF
732H - Original Drilling - APD	969	967	16	9	2.356	CC
732H - Original Drilling - APD	1000	998	16	9	2.303	ES, SF

Offset Design: A09 2309 - 507H (ECA) - Original drilling - As drilled — **Offset Site Error:** 0 ft

Survey Program: 366-MWD+HDGM, 4189-MWD+HDGM, 5511-MWD+HDGM — **Offset Well Error:** 0 ft

Rule Assigned: Distance

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	38	38	0	0	-171.11	-1396	-218	1413				
100	100	142	142	0	0	-171.10	-1395	-218	1412	1412	0.55	2,551.316	
200	200	246	246	1	0	-171.08	-1395	-219	1412	1411	1.09	1,294.126	
300	300	349	349	1	1	-171.05	-1394	-220	1411	1410	1.63	866.586	
400	400	447	447	1	1	-171.01	-1393	-220	1410	1408	2.30	611.992	
450	450	490	490	2	1	-171.01	-1393	-220	1410	1407	2.63	535.723	
500	500	545	545	2	1	82.70	-1393	-219	1410	1407	2.99	470.955	
600	600	659	659	2	2	82.67	-1392	-214	1408	1405	3.73	377.342	
700	700	753	753	2	2	82.64	-1392	-205	1406	1402	4.42	317.855	
800	799	857	856	3	2	82.61	-1393	-192	1403	1398	5.18	270.975	
900	898	962	960	3	3	82.60	-1394	-176	1400	1394	5.98	234.059	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 507H (ECA) - Original drilling - As drilled

Offset Site Error: 0 ft

Survey Program: 366-MWD+HDGM, 4189-MWD+HDGM, 5511-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
930	928	994	990	3	3	82.60	-1394	-171	1399	1393	6.23	224.476	
1000	997	1068	1064	4	3	82.50	-1395	-156	1396	1389	6.84	204.134	
1100	1095	1175	1168	4	4	82.29	-1396	-133	1391	1384	7.74	179.829	
1200	1194	1279	1270	4	4	82.06	-1396	-110	1386	1378	8.64	160.367	
1300	1293	1374	1362	5	5	81.82	-1397	-89	1381	1372	9.53	144.895	
1400	1391	1477	1462	5	5	81.56	-1398	-65	1376	1366	10.47	131.521	
1500	1490	1573	1556	6	6	81.36	-1398	-44	1372	1360	11.37	120.602	
1600	1588	1671	1651	6	6	81.08	-1399	-22	1367	1355	12.30	111.128	
1700	1687	1779	1756	7	7	80.74	-1400	4	1362	1349	13.29	102.494	
1800	1786	1877	1851	7	7	80.42	-1400	28	1357	1343	14.24	95.281	
1900	1884	1972	1943	8	7	80.10	-1401	51	1352	1337	15.18	89.067	
2000	1983	2077	2045	8	8	79.74	-1402	76	1348	1331	16.17	83.316	
2100	2081	2159	2125	9	8	79.48	-1403	96	1343	1326	17.06	78.766	
2200	2180	2254	2218	9	9	79.21	-1405	117	1340	1322	17.99	74.489	
2300	2279	2359	2320	10	9	78.96	-1407	140	1337	1318	18.96	70.492	
2400	2377	2467	2425	10	10	78.73	-1408	163	1333	1313	19.94	66.836	
2500	2476	2565	2521	11	10	78.52	-1409	184	1329	1308	20.88	63.639	
2600	2574	2668	2622	11	11	78.33	-1410	205	1325	1303	21.83	60.679	
2700	2673	2768	2720	12	11	78.18	-1411	225	1320	1298	22.77	58.000	
2800	2772	2862	2812	12	12	78.02	-1412	244	1317	1293	23.68	55.605	
2900	2870	2975	2922	12	12	77.77	-1413	268	1312	1288	24.68	53.172	
3000	2969	3075	3020	13	13	77.49	-1413	290	1308	1282	25.64	50.995	
3100	3067	3176	3118	13	13	77.22	-1413	313	1303	1276	26.60	48.976	
3200	3166	3277	3217	14	14	76.96	-1413	335	1298	1270	27.56	47.098	
3300	3265	3375	3312	14	14	76.72	-1414	356	1293	1265	28.50	45.371	
3400	3363	3468	3403	15	15	76.48	-1414	377	1289	1259	29.42	43.801	
3500	3462	3566	3499	15	15	76.21	-1415	398	1285	1254	30.37	42.301	
3600	3560	3677	3607	16	16	75.96	-1415	422	1280	1249	31.36	40.819	
3700	3659	3764	3692	16	16	75.70	-1416	442	1275	1243	32.26	39.536	
3800	3758	4210	4126	17	18	75.61	-1371	516	1270	1236	33.29	38.133	
3900	3856	5495	4853	17	23	132.10	-635	-55	1217	1188	28.44	42.777	
3994	3949	5485	4853	18	23	131.43	-643	-48	1150	1120	29.97	38.375	
4000	3955	5485	4853	18	23	130.22	-643	-48	1146	1116	30.07	38.131	
4050	4004	5477	4853	18	23	124.31	-649	-43	1113	1083	30.93	36.000	
4100	4051	5465	4853	18	23	122.56	-658	-36	1083	1051	31.83	34.016	
4150	4097	5450	4852	19	23	122.19	-670	-27	1054	1021	32.79	32.150	
4200	4142	5406	4851	19	22	120.83	-704	1	1028	995	33.31	30.872	
4250	4184	5150	4800	20	18	107.21	-895	162	1002	970	32.60	30.748	
4300	4223	5139	4796	20	18	108.59	-903	169	977	943	33.57	29.103	
4350	4260	5111	4785	21	18	108.84	-923	185	954	920	34.44	27.699	
4400	4293	5079	4773	21	18	108.73	-945	205	933	898	35.39	26.370	
4450	4323	5039	4757	22	18	108.08	-973	229	915	879	36.38	25.156	
4500	4348	4984	4732	23	18	106.52	-1009	261	899	861	37.38	24.039	
4550	4370	4941	4711	23	18	105.50	-1037	286	884	846	38.39	23.030	
4600	4388	4906	4692	24	18	104.75	-1060	305	872	832	39.37	22.138	
4650	4401	4869	4670	25	18	103.79	-1083	324	861	821	40.36	21.344	
4700	4410	4813	4635	26	18	101.74	-1117	352	853	812	41.44	20.591	
4750	4415	4754	4594	27	18	99.47	-1150	379	846	804	42.52	19.901	
4778	4415	4727	4576	27	18	98.55	-1164	391	842	799	43.06	19.565	
4800	4415	4714	4566	28	18	97.91	-1170	397	840	797	43.43	19.343	
4900	4414	4663	4527	29	18	95.25	-1197	418	833	788	45.01	18.515	
4933	4414	4648	4515	30	18	94.44	-1204	424	833	787	45.49	18.309	CC, ES

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 507H (ECA) - Original drilling - As drilled

Offset Site Error: 0 ft

Survey Program: 366-MWD+HDGM, 4189-MWD+HDGM, 5511-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5000	4413	4615	4490	31	18	92.69	-1220	436	835	788	46.40	17.989	
5100	4412	4568	4451	33	18	90.06	-1243	451	845	797	47.56	17.764	SF
5200	4411	4527	4417	35	18	87.73	-1262	464	863	815	48.41	17.835	
5300	4410	4488	4384	38	18	85.51	-1278	474	890	841	48.97	18.183	
5400	4410	4455	4355	40	18	83.61	-1292	483	926	876	49.26	18.789	
5500	4409	4426	4328	42	18	81.88	-1304	489	968	919	49.34	19.624	
5600	4408	4398	4304	44	18	80.29	-1314	495	1018	969	49.26	20.661	
5700	4407	4378	4285	46	18	79.11	-1321	499	1073	1024	49.07	21.874	
5800	4406	4358	4266	49	18	77.93	-1328	502	1134	1086	48.81	23.242	
5900	4405	4347	4256	51	18	77.31	-1332	504	1200	1152	48.52	24.739	
6000	4404	4328	4238	53	18	76.21	-1338	507	1270	1222	48.19	26.355	
6100	4403	4315	4226	56	18	75.48	-1341	508	1343	1296	47.87	28.066	
6200	4402	4302	4214	58	18	74.75	-1345	510	1420	1372	47.55	29.860	
6300	4401	4284	4197	60	18	73.73	-1350	512	1499	1451	47.23	31.730	
6400	4400	4284	4197	63	18	73.73	-1350	512	1580	1533	46.95	33.646	
6500	4400	4268	4182	65	18	72.86	-1355	513	1663	1616	46.67	35.627	
6600	4399	4252	4166	67	18	71.97	-1360	514	1747	1701	46.42	37.645	
6700	4398	4252	4166	70	18	71.97	-1360	514	1833	1787	46.18	39.698	
6800	4397	4236	4150	72	18	71.09	-1364	515	1920	1874	45.96	41.781	
6900	4396	4221	4136	74	18	70.31	-1368	516	2009	1963	45.75	43.905	
7000	4395	4221	4136	77	18	70.31	-1368	516	2098	2052	45.56	46.047	
7100	4394	4221	4136	79	18	70.31	-1368	516	2188	2143	45.38	48.215	
7200	4393	4208	4123	82	18	69.61	-1372	516	2279	2234	45.22	50.395	
7300	4392	4203	4119	84	18	69.36	-1373	516	2370	2325	45.07	52.595	
7400	4391	4189	4105	86	18	68.66	-1376	516	2462	2418	44.93	54.802	
7500	4390	4189	4105	89	18	68.66	-1376	516	2555	2510	44.80	57.033	
7600	4390	4189	4105	91	18	68.66	-1376	516	2648	2604	44.68	59.277	
7700	4389	4189	4105	94	18	68.66	-1376	516	2742	2697	44.56	61.533	
7800	4388	4189	4105	96	18	68.66	-1376	516	2836	2792	44.45	63.798	
7900	4387	4189	4105	99	18	68.66	-1376	516	2931	2886	44.35	66.073	
8000	4386	4175	4092	101	18	67.96	-1380	516	3025	2981	44.27	68.333	
8100	4385	4172	4089	103	18	67.79	-1381	516	3120	3076	44.19	70.616	
8200	4384	4157	4075	106	18	67.08	-1385	515	3216	3172	44.11	72.906	
8300	4383	4157	4075	108	18	67.08	-1385	515	3311	3267	44.03	75.200	
8400	4382	4157	4075	111	18	67.08	-1385	515	3407	3363	43.97	77.497	
8500	4381	4157	4075	113	18	67.08	-1385	515	3503	3459	43.90	79.797	
8600	4380	4157	4075	116	18	67.08	-1385	515	3599	3556	43.84	82.100	
8700	4379	4157	4075	118	18	67.08	-1385	515	3696	3652	43.79	84.404	
8800	4379	4157	4075	120	18	67.08	-1385	515	3793	3749	43.74	86.709	
8900	4378	4157	4075	123	18	67.08	-1385	515	3889	3846	43.69	89.014	
9000	4377	4157	4075	125	18	67.08	-1385	515	3986	3943	43.65	91.320	
9100	4376	4157	4075	128	18	67.08	-1385	515	4084	4040	43.62	93.624	
9200	4375	4157	4075	130	18	67.08	-1385	515	4181	4137	43.58	95.928	
9300	4374	4143	4061	133	18	66.40	-1388	514	4278	4234	43.55	98.241	
9400	4373	4141	4059	135	18	66.32	-1389	514	4375	4332	43.52	100.542	
9500	4372	4139	4057	138	18	66.24	-1389	514	4473	4429	43.49	102.841	
9600	4371	4125	4044	140	18	65.58	-1392	513	4571	4527	43.47	105.146	
9700	4370	4125	4044	142	18	65.58	-1392	513	4668	4625	43.45	107.438	
9800	4369	4125	4044	145	18	65.58	-1392	513	4766	4723	43.44	109.727	
9900	4369	4125	4044	147	18	65.58	-1392	513	4864	4821	43.43	112.013	
10,000	4368	4125	4044	150	18	65.58	-1392	513	4962	4919	43.42	114.295	
10,100	4367	4125	4044	152	18	65.58	-1392	513	5060	5017	43.41	116.574	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 507H (ECA) - Original drilling - As drilled

Offset Site Error: 0 ft

Survey Program: 366-MWD+HDGM, 4189-MWD+HDGM, 5511-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200	4366	4125	4044	155	18	65.58	-1392	513	5158	5115	43.40	118.848	
10,300	4365	4125	4044	157	18	65.58	-1392	513	5257	5213	43.40	121.119	
10,400	4364	4125	4044	160	18	65.58	-1392	513	5355	5312	43.40	123.386	
10,500	4363	4125	4044	162	18	65.58	-1392	513	5453	5410	43.40	125.648	
10,600	4362	4125	4044	165	18	65.58	-1392	513	5552	5508	43.40	127.905	
10,700	4361	4125	4044	167	18	65.58	-1392	513	5650	5607	43.41	130.158	
10,800	4360	4125	4044	169	18	65.58	-1392	513	5749	5705	43.42	132.405	
10,900	4359	4125	4044	172	18	65.58	-1392	513	5847	5804	43.43	134.647	
10,954	4359	4125	4044	173	18	65.58	-1392	513	5901	5857	43.43	135.864	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 510H (ECA) - Original drilling - Original drilling — **Offset Site Error:** 0 ft

Survey Program: 368-MWD+HDGM, 5232-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	38	38	0	0	-167.54	-1396	-308	1430				
100	100	143	143	0	0	-167.53	-1396	-309	1430	1429	0.55	2,577.852	
200	200	247	247	1	0	-167.50	-1395	-309	1429	1428	1.09	1,307.889	
300	300	351	351	1	1	-167.45	-1394	-310	1428	1427	1.63	875.853	
400	400	510	510	1	1	-167.39	-1390	-311	1426	1424	2.53	563.977	
450	450	599	599	2	1	-167.35	-1384	-311	1423	1420	3.03	469.416	
500	500	674	673	2	2	86.55	-1377	-311	1418	1415	3.47	408.269	
600	600	830	828	2	2	87.11	-1360	-309	1407	1403	4.38	321.432	
700	700	988	985	2	3	88.01	-1335	-306	1391	1386	5.30	262.507	
800	799	1112	1106	3	3	89.16	-1312	-305	1373	1367	6.12	224.345	
900	898	1236	1228	3	4	90.52	-1286	-303	1352	1345	6.96	194.217	
930	928	1318	1307	3	4	91.35	-1267	-300	1345	1338	7.37	182.601	
1000	997	1420	1405	4	5	92.33	-1239	-297	1326	1318	8.02	165.330	
1100	1095	1513	1494	4	5	93.41	-1212	-297	1298	1290	8.81	147.372	
1200	1194	1640	1615	4	6	95.00	-1173	-298	1270	1261	9.72	130.642	
1300	1293	1738	1708	5	6	96.30	-1142	-298	1241	1230	10.56	117.495	
1400	1391	1833	1798	5	7	97.65	-1111	-299	1212	1201	11.41	106.224	
1500	1490	1913	1874	6	7	98.83	-1085	-300	1184	1172	12.23	96.834	
1600	1588	2018	1973	6	8	100.41	-1052	-300	1157	1144	13.12	88.159	
1700	1687	2103	2054	7	8	101.73	-1024	-299	1130	1116	13.98	80.830	
1800	1786	2181	2128	7	9	102.98	-1000	-299	1104	1090	14.82	74.518	
1900	1884	2258	2201	8	9	104.25	-977	-300	1081	1065	15.67	68.991	
2000	1983	2355	2294	8	10	105.92	-948	-300	1059	1043	16.58	63.878	
2100	2081	2446	2380	9	10	107.51	-921	-300	1038	1020	17.48	59.379	
2200	2180	2543	2473	9	11	109.23	-893	-300	1018	999	18.40	55.313	
2300	2279	2642	2568	10	11	111.04	-864	-299	998	978	19.32	51.624	
2400	2377	2728	2650	10	12	112.65	-839	-298	979	958	20.23	48.382	
2500	2476	2823	2741	11	12	114.48	-811	-297	961	940	21.16	45.441	
2600	2574	2936	2849	11	13	116.82	-777	-295	944	921	22.14	42.626	
2700	2673	3020	2928	12	13	118.62	-750	-294	926	903	23.07	40.156	
2800	2772	3090	2996	12	14	120.20	-729	-294	912	888	23.97	38.055	
2900	2870	3189	3090	12	14	122.39	-701	-295	900	875	24.93	36.120	
3000	2969	3285	3182	13	15	124.56	-673	-294	889	863	25.88	34.363	
3100	3067	3385	3277	13	15	126.86	-643	-293	879	852	26.84	32.744	
3200	3166	3471	3360	14	16	128.86	-619	-292	870	842	27.76	31.343	
3300	3265	3579	3464	14	16	131.36	-588	-290	863	834	28.73	30.043	
3400	3363	3675	3556	15	17	133.62	-560	-287	856	826	29.66	28.844	
3500	3462	3788	3663	15	17	136.36	-526	-283	849	818	30.63	27.708	
3600	3560	3876	3746	16	18	138.63	-497	-280	842	810	31.56	26.680	
3700	3659	3949	3816	16	18	140.52	-474	-278	839	806	32.43	25.859	
3736	3694	3975	3840	16	18	141.15	-467	-278	838	806	32.73	25.615	
3800	3758	4020	3883	17	19	142.22	-455	-277	839	806	33.24	25.248	
3900	3856	4218	4076	17	20	145.49	-417	-257	836	802	34.14	24.490	
3994	3949	4312	4168	18	20	146.02	-412	-237	828	794	34.77	23.825	
4000	3955	4318	4174	18	20	144.37	-412	-236	828	793	34.81	23.789	
4050	4004	4369	4223	18	20	134.84	-414	-223	825	790	35.13	23.485	
4100	4051	4411	4263	18	20	130.10	-418	-212	824	789	35.49	23.222	
4102	4053	4411	4263	18	20	129.94	-418	-212	824	789	35.51	23.207	
4150	4097	4448	4298	19	20	127.25	-423	-203	826	790	35.88	23.020	
4200	4142	4496	4344	19	20	125.41	-432	-191	830	794	36.25	22.903	
4250	4184	4561	4404	20	20	124.25	-447	-172	836	799	36.58	22.847	
4300	4223	4646	4481	20	20	123.66	-473	-145	842	805	36.85	22.856	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 510H (ECA) - Original drilling - Original drilling

Offset Site Error: 0 ft

Survey Program: 368-MWD+HDGM, 5232-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4350	4260	4727	4550	21	20	123.15	-503	-114	849	812	37.14	22.852	
4400	4293	4824	4625	21	20	122.88	-546	-72	854	817	37.42	22.835	
4402	4294	4828	4629	21	20	122.87	-548	-70	855	817	37.43	22.833	
4450	4323	4950	4713	22	20	122.84	-611	-8	859	821	37.72	22.767	
4452	4324	4957	4717	22	20	122.83	-615	-4	859	821	37.74	22.758	
4500	4348	5024	4755	23	20	122.34	-655	33	862	824	38.42	22.438	
4502	4349	5026	4756	23	20	122.31	-656	34	862	824	38.45	22.422	
4550	4370	5157	4813	23	21	121.53	-745	112	864	825	39.48	21.887	
4552	4371	5159	4813	23	21	121.50	-746	113	864	825	39.51	21.871	
4600	4388	5198	4827	24	21	120.98	-774	137	867	826	40.32	21.494	
4602	4389	5200	4828	24	21	120.95	-775	139	867	827	40.37	21.475	
4650	4401	5251	4845	25	21	120.50	-812	169	872	831	41.11	21.205	
4652	4402	5255	4846	25	21	120.49	-815	172	872	831	41.14	21.198	
4700	4410	5381	4873	26	21	119.98	-910	250	876	834	42.13	20.787	
4702	4411	5385	4874	26	21	119.95	-913	252	876	834	42.18	20.765	
4750	4415	5477	4877	27	21	119.20	-985	310	877	834	43.58	20.134	
4751	4415	5478	4877	27	21	119.19	-986	310	877	834	43.60	20.123	
4778	4415	5503	4877	27	21	118.98	-1005	326	879	835	44.18	19.898	
4779	4415	5504	4878	27	21	118.98	-1006	327	879	835	44.20	19.890	
4800	4415	5523	4878	28	21	118.96	-1020	339	881	836	44.64	19.725	
4804	4415	5527	4878	28	22	118.96	-1024	341	881	836	44.74	19.688	
4900	4414	5630	4880	29	23	118.93	-1104	406	888	841	47.14	18.832	
4904	4414	5636	4880	29	23	118.92	-1108	409	888	841	47.28	18.785	
5000	4413	5752	4878	31	24	118.66	-1198	483	893	842	50.30	17.747	
5004	4413	5757	4878	31	24	118.64	-1202	486	893	842	50.44	17.701	
5100	4412	5859	4875	33	25	118.34	-1280	551	896	843	53.52	16.744	
5104	4412	5864	4875	33	26	118.33	-1284	554	896	843	53.66	16.701	
5200	4411	5957	4873	35	27	118.16	-1355	615	899	843	56.72	15.853	
5204	4411	5961	4873	35	27	118.15	-1358	617	899	843	56.87	15.815	
5300	4410	6057	4873	38	29	118.10	-1430	679	903	843	60.10	15.024	
5304	4410	6062	4873	38	29	118.10	-1434	683	903	843	60.27	14.985	
5400	4410	6193	4875	40	31	118.28	-1531	772	904	840	64.40	14.043	
5422	4409	6221	4875	40	32	118.33	-1551	791	904	839	65.30	13.846	
5500	4409	6301	4876	42	33	118.45	-1609	847	903	835	68.20	13.238	
5522	4408	6319	4875	42	34	118.47	-1622	860	903	834	68.92	13.095	
5600	4408	6402	4876	44	35	118.57	-1681	917	902	830	71.94	12.534	
5622	4407	6424	4876	45	36	118.60	-1697	932	901	829	72.78	12.384	
5700	4407	6501	4875	46	38	118.67	-1753	986	900	824	75.74	11.883	
5722	4407	6522	4875	47	38	118.68	-1768	1000	900	823	76.57	11.750	
5800	4406	6593	4874	49	40	118.68	-1820	1049	899	819	79.45	11.315	
5853	4405	6641	4874	50	41	118.67	-1855	1081	899	817	81.40	11.041	
5900	4405	6687	4873	51	42	118.67	-1889	1113	899	816	83.27	10.794	
5921	4405	6709	4873	51	42	118.66	-1905	1127	899	815	84.14	10.682	
6000	4404	6806	4869	53	44	118.47	-1976	1193	898	810	87.90	10.211	
6022	4404	6827	4867	54	45	118.40	-1991	1207	897	808	88.81	10.102	
6100	4403	6901	4863	56	46	118.17	-2046	1257	896	804	92.04	9.733	
6122	4403	6926	4861	56	47	118.10	-2065	1274	896	802	93.09	9.621	
6200	4402	7012	4856	58	49	117.82	-2128	1331	894	797	96.70	9.242	
6223	4402	7036	4854	58	49	117.75	-2146	1348	893	795	97.73	9.138	
6300	4401	7114	4850	60	51	117.53	-2202	1401	891	790	101.14	8.809	
6323	4401	7137	4848	61	52	117.47	-2219	1417	890	788	102.15	8.715	
6400	4400	7212	4844	63	54	117.30	-2274	1468	888	783	105.48	8.419	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 510H (ECA) - Original drilling - Original drilling — **Offset Site Error:** 0 ft

Survey Program: 368-MWD+HDGM, 5232-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6423	4400	7236	4843	63	54	117.25	-2291	1484	887	781	106.51	8.332	
6500	4400	7315	4838	65	56	117.02	-2349	1538	885	775	110.01	8.046	
6523	4399	7338	4837	65	57	116.95	-2365	1553	885	773	111.05	7.965	
6600	4399	7412	4832	67	58	116.73	-2420	1604	882	768	114.47	7.708	
6623	4398	7434	4831	68	59	116.68	-2436	1619	882	766	115.45	7.637	
6700	4398	7509	4828	70	61	116.54	-2491	1671	880	761	118.85	7.403	
6723	4397	7533	4827	70	61	116.52	-2508	1687	879	760	119.87	7.336	
6800	4397	7613	4825	72	63	116.50	-2566	1742	877	754	123.34	7.114	
6823	4397	7639	4824	73	64	116.49	-2584	1760	877	752	124.42	7.046	
6900	4396	7710	4823	74	66	116.50	-2635	1810	874	747	127.63	6.851	
6923	4396	7731	4822	75	66	116.51	-2650	1825	874	745	128.56	6.798	
7000	4395	7816	4821	77	68	116.57	-2711	1884	872	740	132.10	6.599	
7023	4395	7840	4821	77	69	116.59	-2728	1901	871	738	133.12	6.543	
7100	4394	7922	4820	79	71	116.68	-2786	1959	868	732	136.56	6.358	
7124	4394	7946	4820	80	71	116.71	-2803	1976	867	730	137.58	6.304	
7200	4393	8006	4819	82	73	116.75	-2846	2018	865	724	140.46	6.158	
7261	4393	8050	4818	83	74	116.74	-2877	2048	864	722	142.62	6.060	
7300	4392	8079	4818	84	75	116.73	-2899	2067	865	720	144.03	6.002	
7304	4392	8082	4818	84	75	116.73	-2901	2070	865	720	144.19	5.996	
7400	4391	8184	4818	86	77	116.72	-2977	2138	866	717	148.59	5.826	
7421	4391	8207	4817	87	78	116.71	-2994	2154	866	716	149.59	5.788	
7500	4390	8298	4817	89	80	116.78	-3060	2216	865	712	153.35	5.643	
7522	4390	8321	4817	89	81	116.82	-3077	2232	865	711	154.30	5.607	
7600	4390	8398	4818	91	83	116.94	-3132	2285	864	707	157.60	5.484	
7622	4389	8422	4818	92	83	116.96	-3149	2302	864	705	158.59	5.448	
7700	4389	8509	4818	94	85	117.07	-3212	2362	863	700	162.17	5.319	
7723	4388	8535	4818	94	86	117.11	-3231	2381	862	699	163.23	5.281	
7800	4388	8606	4817	96	88	117.20	-3281	2431	860	693	166.37	5.168	
7822	4387	8621	4817	97	88	117.21	-3292	2441	859	692	167.13	5.143	
7900	4387	8690	4817	99	90	117.23	-3342	2488	859	689	170.27	5.046	
7917	4387	8706	4817	99	90	117.23	-3354	2499	859	688	171.00	5.025	
8000	4386	8780	4816	101	92	117.23	-3408	2548	860	685	174.34	4.931	
8004	4386	8784	4816	101	92	117.23	-3411	2551	860	685	174.52	4.926	
8100	4385	8880	4817	103	94	117.28	-3483	2616	861	682	178.68	4.819	
8121	4385	8905	4817	104	95	117.32	-3501	2633	861	682	179.69	4.793	
8200	4384	8993	4818	106	97	117.43	-3565	2693	861	678	183.33	4.698	
8221	4384	9014	4818	106	98	117.45	-3580	2708	861	677	184.24	4.674	
8300	4383	9092	4817	108	100	117.44	-3638	2761	861	673	187.71	4.586	
8321	4383	9115	4817	109	100	117.44	-3654	2776	861	672	188.70	4.562	
8400	4382	9212	4816	111	103	117.51	-3724	2843	859	667	192.63	4.462	
8423	4382	9237	4816	111	103	117.53	-3742	2861	859	665	193.67	4.435	
8500	4381	9314	4815	113	105	117.60	-3797	2915	857	660	197.02	4.348	
8523	4381	9336	4814	114	106	117.62	-3813	2931	856	658	197.99	4.323	
8600	4380	9407	4814	116	108	117.73	-3863	2980	854	653	201.07	4.247	
8622	4380	9428	4814	116	108	117.76	-3878	2995	854	652	201.99	4.226	
8700	4379	9503	4814	118	110	117.85	-3932	3047	852	647	205.22	4.154	
8722	4379	9532	4814	119	111	117.88	-3953	3067	852	646	206.35	4.129	
8800	4379	9614	4813	120	113	117.92	-4012	3125	850	640	209.87	4.049	
8823	4378	9644	4812	121	114	117.92	-4033	3145	849	638	211.06	4.022	
8900	4378	9712	4811	123	115	117.95	-4082	3193	846	632	214.23	3.950	
8922	4377	9734	4810	123	116	117.94	-4098	3209	846	630	215.22	3.929	
9000	4377	9794	4809	125	118	117.93	-4141	3250	845	627	218.18	3.872	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: A09 2309 - 510H (ECA) - Original drilling - Original drilling — **Offset Site Error:** 0 ft

Survey Program: 368-MWD+HDGM, 5232-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9022	4377	9820	4809	126	118	117.92	-4160	3267	845	625	219.28	3.852	
9100	4376	9916	4808	128	121	117.98	-4230	3334	843	620	223.18	3.777	
9123	4376	9941	4808	128	121	118.01	-4247	3352	842	618	224.19	3.756	
9200	4375	10,017	4807	130	123	118.08	-4301	3406	839	612	227.48	3.690	
9223	4375	10,039	4806	131	124	118.11	-4317	3421	839	610	228.43	3.672	
9300	4374	10,121	4806	133	126	118.23	-4374	3479	836	604	231.77	3.607	
9323	4374	10,145	4806	133	126	118.28	-4391	3496	835	602	232.73	3.589	
9400	4373	10,215	4807	135	128	118.47	-4440	3546	832	597	235.64	3.533	
9423	4373	10,233	4807	136	129	118.52	-4453	3559	832	595	236.44	3.518	
9500	4372	10,293	4807	138	130	118.59	-4496	3600	831	591	239.24	3.472	
9517	4372	10,307	4806	138	131	118.58	-4507	3610	831	591	239.90	3.462	
9600	4371	10,394	4806	140	133	118.58	-4571	3669	831	587	243.69	3.410	
9622	4371	10,422	4806	141	134	118.64	-4591	3688	831	586	244.71	3.395	
9700	4370	10,515	4806	142	136	118.77	-4657	3753	829	581	248.36	3.338	
9723	4370	10,536	4805	143	136	118.76	-4672	3768	828	579	249.32	3.322	
9800	4369	10,593	4804	145	138	118.72	-4714	3807	827	575	252.25	3.279	
9816	4369	10,606	4804	145	138	118.71	-4723	3815	827	574	252.89	3.271	
9900	4369	10,681	4802	147	140	118.62	-4779	3865	828	571	256.47	3.228	
9904	4369	10,686	4802	147	140	118.61	-4783	3869	828	571	256.69	3.225	
10,000	4368	10,787	4800	150	143	118.54	-4858	3936	829	567	261.27	3.171	
10,021	4367	10,811	4800	150	143	118.53	-4876	3953	829	566	262.32	3.159	
10,100	4367	10,902	4800	152	146	118.57	-4942	4015	828	562	266.09	3.111	
10,122	4367	10,923	4800	153	146	118.60	-4957	4029	828	561	266.98	3.100	
10,200	4366	11,004	4800	155	148	118.70	-5015	4085	827	556	270.30	3.058	
10,222	4366	11,025	4800	155	149	118.72	-5031	4101	826	555	271.22	3.046	
10,300	4365	11,101	4799	157	151	118.74	-5085	4152	825	550	274.58	3.005	
10,322	4365	11,123	4798	158	151	118.76	-5101	4168	825	549	275.51	2.994	
10,400	4364	11,196	4799	160	153	118.87	-5154	4218	824	545	278.57	2.958	
10,445	4364	11,235	4799	161	154	118.93	-5183	4245	824	544	280.23	2.940	
10,500	4363	11,284	4800	162	155	118.99	-5219	4279	824	542	282.33	2.919	
10,504	4363	11,288	4800	162	155	119.00	-5222	4282	824	542	282.50	2.917	
10,600	4362	11,378	4800	165	158	119.08	-5288	4342	825	539	286.29	2.883	
10,621	4362	11,405	4801	165	158	119.11	-5308	4361	825	538	287.39	2.872	
10,700	4361	11,504	4800	167	161	119.16	-5380	4428	825	534	291.39	2.831	
10,722	4361	11,523	4800	168	161	119.18	-5394	4442	825	532	292.24	2.822	
10,800	4360	11,593	4800	169	163	119.24	-5444	4490	824	529	295.29	2.790	
10,824	4360	11,614	4800	170	164	119.26	-5459	4504	824	528	296.17	2.781	CC
10,900	4359	11,689	4800	172	166	119.33	-5514	4555	824	524	299.36	2.752	
10,902	4359	11,692	4800	172	166	119.33	-5516	4557	824	524	299.46	2.751	
10,954	4359	11,741	4800	173	167	119.36	-5552	4591	824	522	301.59	2.732	ES, SF

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 405H - Original drilling - Original drilling

Offset Site Error: 0 ft

Survey Program: 376-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Rule Assigned: Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	60	60	0	0	65.27	843	1829	2014				
100	100	159	157	0	1	64.63	863	1819	2014	2012	1.31	1,540.631	
200	200	247	236	1	2	63.61	895	1804	2014	2012	2.21	910.452	
300	300	319	296	1	2	62.46	932	1787	2016	2013	3.02	666.557	
400	400	557	513	1	3	60.70	986	1758	2016	2012	4.29	470.050	
450	450	624	580	2	3	60.72	985	1756	2015	2010	4.55	442.355	
500	500	691	647	2	3	-45.53	981	1755	2012	2008	4.82	417.253	
600	600	821	777	2	3	-45.46	970	1754	2005	2000	5.37	373.367	
700	700	928	882	2	3	-45.38	955	1754	1993	1987	5.91	337.184	
800	799	928	882	3	3	-45.54	955	1754	1982	1976	6.28	315.812	
900	898	1340	1288	3	5	-45.73	899	1744	1966	1958	7.69	255.462	
930	928	1366	1313	3	5	-45.82	893	1742	1957	1949	7.89	248.107	
1000	997	1472	1417	4	5	-45.74	871	1732	1935	1927	8.46	228.867	
1100	1095	1554	1496	4	5	-45.66	853	1725	1905	1896	9.10	209.330	
1200	1194	1627	1567	4	5	-45.59	837	1719	1876	1867	9.74	192.646	
1300	1293	1713	1651	5	6	-45.50	819	1713	1848	1838	10.44	177.125	
1400	1391	1837	1771	5	6	-45.24	789	1705	1820	1809	11.26	161.588	
1500	1490	1944	1874	6	7	-44.94	761	1698	1790	1778	12.09	148.125	
1600	1588	2025	1951	6	7	-44.69	740	1693	1761	1748	12.80	137.500	
1700	1687	2106	2030	7	7	-44.43	718	1689	1732	1718	13.55	127.804	
1800	1786	2282	2199	7	8	-43.81	670	1677	1701	1687	14.61	116.419	
1900	1884	2381	2293	8	9	-43.43	641	1668	1669	1653	15.44	108.096	
2000	1983	2506	2412	8	9	-42.99	606	1655	1635	1618	16.34	100.066	
2100	2081	2579	2482	9	10	-42.77	586	1647	1601	1584	17.09	93.680	
2200	2180	2655	2555	9	10	-42.54	566	1639	1568	1550	17.85	87.826	
2300	2279	2732	2630	10	11	-42.31	547	1631	1536	1517	18.62	82.491	
2400	2377	2810	2705	10	11	-42.07	528	1624	1505	1486	19.39	77.619	
2500	2476	2889	2780	11	11	-41.84	509	1618	1476	1455	20.17	73.164	
2600	2574	2968	2857	11	12	-41.60	490	1612	1447	1426	20.95	69.081	
2700	2673	3047	2934	12	12	-41.36	472	1608	1420	1398	21.73	65.336	
2800	2772	3133	3018	12	12	-41.10	453	1603	1393	1371	22.53	61.847	
2900	2870	3232	3115	12	13	-40.77	431	1598	1367	1344	23.37	58.494	
3000	2969	3327	3206	13	13	-40.43	409	1594	1341	1317	24.21	55.400	
3100	3067	3429	3306	13	14	-40.06	386	1589	1315	1290	25.06	52.466	
3200	3166	3552	3425	14	14	-39.60	358	1581	1288	1262	25.96	49.600	
3300	3265	3661	3531	14	15	-39.18	332	1572	1258	1231	26.82	46.912	
3400	3363	3756	3623	15	15	-38.81	310	1565	1229	1201	27.66	44.436	
3500	3462	3857	3720	15	16	-38.25	284	1557	1199	1171	28.52	42.059	
3600	3560	3944	3804	16	16	-37.66	260	1551	1170	1141	29.37	39.840	
3700	3659	4037	3893	16	17	-37.04	235	1545	1141	1111	30.23	37.757	
3800	3758	4224	4074	17	18	-36.76	200	1517	1107	1076	31.00	35.709	
3900	3856	4286	4134	17	18	-37.43	201	1503	1072	1040	31.75	33.774	
3994	3949	4353	4199	18	18	-38.43	207	1487	1042	1009	32.42	32.134	
4000	3955	4357	4203	18	18	-40.38	207	1486	1040	1007	32.46	32.041	
4050	4004	4422	4265	18	18	-53.50	216	1470	1023	990	32.78	31.220	
4100	4051	4852	4611	18	19	-81.25	331	1255	997	965	32.07	31.087	
4150	4097	4867	4620	19	19	-88.71	337	1244	969	936	32.91	29.441	
4200	4142	4872	4623	19	19	-94.02	339	1241	943	910	33.81	27.903	
4250	4184	4872	4623	20	19	-97.91	339	1241	921	886	34.74	26.500	
4300	4223	4872	4623	20	19	-100.96	339	1241	901	866	35.71	25.243	
4350	4260	4872	4623	21	19	-103.28	339	1241	886	849	36.71	24.136	
4400	4293	4864	4619	21	19	-104.48	336	1246	875	837	37.69	23.205	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 405H - Original drilling - Original drilling

Offset Site Error: 0 ft

Survey Program: 376-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4450	4323	4853	4612	22	19	-104.85	331	1254	868	829	38.65	22.446	
4500	4348	4839	4603	23	19	-104.57	326	1264	865	825	39.57	21.850	
4509	4353	4836	4601	23	19	-104.45	325	1266	865	825	39.74	21.754	CC, ES
4550	4370	4822	4593	23	19	-103.69	320	1276	866	825	40.45	21.407	
4552	4371	4821	4592	23	19	-103.64	320	1276	866	826	40.49	21.391	
4600	4388	4800	4578	24	19	-102.05	313	1291	871	830	41.26	21.115	
4650	4401	4767	4556	25	19	-99.41	302	1313	880	838	41.97	20.960	
4700	4410	4733	4532	26	19	-96.39	291	1334	891	848	42.63	20.903	SF
4750	4415	4695	4504	27	19	-92.88	280	1356	905	862	43.23	20.931	
4778	4415	4674	4487	27	19	-90.83	274	1368	914	870	43.56	20.974	
4800	4415	4659	4475	28	19	-90.03	270	1376	921	877	43.81	21.014	
4900	4414	4595	4422	29	19	-86.60	253	1408	956	912	44.92	21.294	
5000	4413	4545	4378	31	19	-83.84	241	1428	998	952	45.94	21.724	
5100	4412	4512	4349	33	19	-82.00	233	1441	1046	999	46.92	22.291	
5200	4411	4483	4322	35	18	-80.36	227	1451	1100	1052	47.76	23.026	
5300	4410	4457	4298	38	18	-78.91	222	1460	1159	1110	48.46	23.905	
5400	4410	4431	4274	40	18	-77.47	217	1467	1222	1173	49.03	24.926	
5500	4409	4431	4274	42	18	-77.47	217	1467	1290	1240	49.67	25.971	
5600	4408	4406	4250	44	18	-76.07	213	1474	1361	1311	50.02	27.213	
5700	4407	4394	4239	46	18	-75.42	211	1477	1436	1385	50.37	28.500	
5800	4406	4366	4212	49	18	-73.87	208	1484	1513	1463	50.55	29.934	
5900	4405	4366	4212	51	18	-73.87	208	1484	1593	1542	50.85	31.318	
6000	4404	4366	4212	53	18	-73.87	208	1484	1674	1623	51.09	32.767	
6100	4403	4366	4212	56	18	-73.87	208	1484	1758	1706	51.29	34.272	
6200	4402	4339	4185	58	18	-72.40	205	1490	1842	1791	51.31	35.907	
6300	4401	4327	4174	60	18	-71.77	204	1493	1929	1877	51.39	37.528	
6400	4400	4303	4151	63	18	-70.53	202	1499	2016	1965	51.40	39.221	
6500	4400	4303	4151	65	18	-70.53	202	1499	2104	2053	51.50	40.862	
6600	4399	4303	4151	67	18	-70.53	202	1499	2193	2142	51.57	42.531	
6700	4398	4303	4151	70	18	-70.53	202	1499	2284	2232	51.63	44.226	
6800	4397	4303	4151	72	18	-70.53	202	1499	2375	2323	51.68	45.944	
6900	4396	4303	4151	74	18	-70.53	202	1499	2466	2414	51.72	47.681	
7000	4395	4275	4124	77	18	-69.13	200	1505	2558	2506	51.67	49.500	
7100	4394	4271	4119	79	18	-68.89	200	1506	2650	2599	51.69	51.276	
7200	4393	4266	4115	82	18	-68.66	200	1508	2744	2692	51.70	53.064	
7300	4392	4240	4089	84	18	-67.40	200	1514	2837	2786	51.67	54.917	
7400	4391	4240	4089	86	18	-67.40	200	1514	2931	2880	51.69	56.711	
7500	4390	4240	4089	89	18	-67.40	200	1514	3025	2974	51.70	58.516	
7600	4390	4240	4089	91	18	-67.40	200	1514	3120	3068	51.72	60.330	
7700	4389	4240	4089	94	18	-67.40	200	1514	3215	3163	51.73	62.153	
7800	4388	4240	4089	96	18	-67.40	200	1514	3310	3258	51.73	63.982	
7900	4387	4240	4089	99	18	-67.40	200	1514	3406	3354	51.74	65.818	
8000	4386	4240	4089	101	18	-67.40	200	1514	3501	3450	51.75	67.660	
8100	4385	4240	4089	103	18	-67.40	200	1514	3597	3545	51.75	69.507	
8200	4384	4240	4089	106	18	-67.40	200	1514	3693	3642	51.76	71.358	
8300	4383	4240	4089	108	18	-67.40	200	1514	3790	3738	51.76	73.213	
8400	4382	4240	4089	111	18	-67.40	200	1514	3886	3835	51.77	75.071	
8500	4381	4240	4089	113	18	-67.40	200	1514	3983	3931	51.77	76.932	
8600	4380	4240	4089	116	18	-67.40	200	1514	4080	4028	51.78	78.796	
8700	4379	4240	4089	118	18	-67.40	200	1514	4177	4125	51.78	80.662	
8800	4379	4240	4089	120	18	-67.40	200	1514	4274	4222	51.79	82.529	
8900	4378	4240	4089	123	18	-67.40	200	1514	4371	4320	51.80	84.398	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 405H - Original drilling - Original drilling

Offset Site Error: 0 ft

Survey Program: 376-MWD+HDGM

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9000	4377	4240	4089	125	18	-67.40	200	1514	4469	4417	51.80	86.268	
9100	4376	4240	4089	128	18	-67.40	200	1514	4566	4515	51.81	88.138	
9200	4375	4240	4089	130	18	-67.40	200	1514	4664	4612	51.82	90.009	
9300	4374	4240	4089	133	18	-67.40	200	1514	4762	4710	51.82	91.880	
9400	4373	4240	4089	135	18	-67.40	200	1514	4859	4808	51.83	93.751	
9500	4372	4240	4089	138	18	-67.40	200	1514	4957	4906	51.84	95.622	
9600	4371	4240	4089	140	18	-67.40	200	1514	5055	5004	51.85	97.493	
9700	4370	4240	4089	142	18	-67.40	200	1514	5153	5102	51.86	99.363	
9800	4369	4240	4089	145	18	-67.40	200	1514	5252	5200	51.88	101.232	
9900	4369	4240	4089	147	18	-67.40	200	1514	5350	5298	51.89	103.100	
10,000	4368	4240	4089	150	18	-67.40	200	1514	5448	5396	51.90	104.967	
10,100	4367	4210	4060	152	18	-66.01	201	1521	5545	5493	51.90	106.855	
10,200	4366	4209	4059	155	18	-65.98	201	1521	5644	5592	51.91	108.719	
10,300	4365	4208	4059	157	18	-65.94	201	1521	5742	5690	51.93	110.581	
10,400	4364	4207	4058	160	18	-65.90	201	1521	5841	5789	51.94	112.441	
10,500	4363	4207	4057	162	18	-65.86	201	1521	5939	5887	51.96	114.299	
10,600	4362	4206	4056	165	18	-65.83	201	1522	6038	5986	51.98	116.156	
10,700	4361	4176	4027	167	18	-64.55	205	1528	6137	6085	52.01	118.005	
10,800	4360	4176	4027	169	18	-64.55	205	1528	6236	6184	52.03	119.855	
10,900	4359	4176	4027	172	18	-64.55	205	1528	6334	6282	52.05	121.703	
10,954	4359	4176	4027	173	18	-64.55	205	1528	6388	6336	52.06	122.703	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 406H - Original driling - Original driling

Offset Site Error: 0 ft

Survey Program: 376-MWD+HDGM

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	57	57	0	0	64.83	854	1817	2008				
100	100	157	157	0	0	64.83	854	1817	2008	2007	0.58	3,469.290	
200	200	257	257	1	0	64.83	854	1817	2008	2007	1.11	1,809.693	
300	300	356	356	1	1	64.83	854	1817	2008	2006	1.64	1,224.128	
400	400	474	474	1	1	64.82	854	1817	2007	2005	2.38	844.952	
450	450	540	540	2	1	64.81	854	1816	2007	2004	2.79	719.614	
500	500	619	619	2	2	-41.53	854	1813	2005	2002	3.24	618.660	
600	600	776	776	2	2	-41.85	855	1805	1998	1994	4.15	481.731	
700	700	939	938	2	3	-42.50	858	1790	1986	1980	5.09	389.966	
800	799	1296	1288	3	4	-44.61	862	1724	1960	1953	6.76	290.085	
900	898	1437	1425	3	5	-46.04	861	1688	1927	1920	7.66	251.441	
930	928	1465	1451	3	5	-46.41	861	1680	1917	1909	7.89	242.811	
1000	997	1530	1514	4	5	-46.92	861	1663	1892	1883	8.41	224.850	
1100	1095	1595	1577	4	6	-47.45	860	1645	1857	1848	9.07	204.659	
1200	1194	1659	1639	4	6	-47.97	860	1629	1824	1814	9.74	187.175	
1300	1293	1763	1739	5	6	-48.85	860	1603	1791	1781	10.57	169.458	
1400	1391	1867	1840	5	7	-49.79	861	1577	1759	1747	11.42	154.058	
1500	1490	1964	1933	6	8	-50.74	862	1551	1726	1714	12.26	140.810	
1600	1588	2059	2024	6	8	-51.73	864	1525	1693	1680	13.11	129.184	
1700	1687	2160	2122	7	9	-52.84	866	1496	1661	1647	14.00	118.633	
1800	1786	2292	2248	7	9	-54.42	868	1456	1627	1612	15.02	108.301	
1900	1884	2380	2331	8	10	-55.53	870	1429	1592	1577	15.91	100.095	
2000	1983	2453	2400	8	10	-56.48	871	1407	1559	1543	16.76	93.026	
2100	2081	2524	2469	9	11	-57.43	873	1385	1528	1510	17.63	86.687	
2200	2180	2600	2541	9	11	-58.42	874	1364	1498	1480	18.50	80.975	
2300	2279	2676	2614	10	12	-59.38	874	1344	1470	1450	19.38	75.844	
2400	2377	2756	2692	10	12	-60.40	875	1325	1443	1423	20.27	71.179	
2500	2476	2827	2761	11	12	-61.28	875	1309	1418	1397	21.13	67.108	
2600	2574	2907	2840	11	13	-62.25	875	1292	1395	1373	22.02	63.336	
2700	2673	2998	2929	12	13	-63.38	875	1273	1372	1349	22.94	59.806	
2800	2772	3087	3016	12	14	-64.55	875	1254	1350	1327	23.88	56.547	
2900	2870	3182	3108	12	14	-65.86	877	1234	1330	1305	24.85	53.503	
3000	2969	3280	3205	13	14	-67.22	877	1213	1309	1283	25.84	50.668	
3100	3067	3377	3299	13	15	-68.58	877	1193	1289	1262	26.82	48.064	
3200	3166	3471	3391	14	15	-70.00	878	1172	1270	1242	27.83	45.630	
3300	3265	3564	3481	14	16	-71.49	879	1151	1251	1222	28.84	43.374	
3400	3363	3662	3577	15	16	-73.06	880	1129	1233	1203	29.88	41.270	
3500	3462	3772	3683	15	17	-74.91	880	1103	1215	1184	30.97	39.244	
3600	3560	3893	3800	16	18	-77.03	879	1073	1197	1165	32.10	37.283	
3700	3659	3973	3878	16	18	-78.42	877	1054	1178	1145	33.10	35.599	
3800	3758	4366	4254	17	19	-81.96	791	1004	1152	1119	33.04	34.859	
3900	3856	4462	4340	17	20	-81.66	748	1006	1110	1076	33.61	33.013	
3994	3949	4522	4393	18	20	-81.20	721	1012	1072	1038	34.41	31.153	
4000	3955	4526	4396	18	20	-83.09	719	1013	1070	1035	34.45	31.053	
4050	4004	4569	4434	18	20	-94.63	700	1018	1052	1017	34.81	30.206	
4100	4051	4592	4455	18	20	-101.16	689	1022	1036	1000	35.40	29.255	
4150	4097	4633	4491	19	20	-105.51	672	1028	1023	987	35.91	28.488	
4200	4142	4663	4518	19	20	-108.64	659	1033	1013	976	36.55	27.708	
4250	4184	4739	4583	20	20	-111.47	625	1048	1004	967	36.87	27.224	
4300	4223	4884	4699	20	20	-114.42	547	1088	994	957	36.57	27.172	
4350	4260	5250	4867	21	21	-112.70	280	1258	974	938	35.58	27.368	
4400	4293	5293	4874	21	21	-114.32	245	1282	952	915	36.78	25.884	

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

DJR Operating

Lonestar Consulting, LLC
Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 406H - Original driling - Original driling — **Offset Site Error:** 0 ft

Survey Program: 376-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4450	4323	5355	4881	22	22	-115.21	196	1318	932	894	38.13	24.453	
4500	4348	5412	4885	23	23	-115.95	150	1352	914	875	39.60	23.090	
4550	4370	5466	4886	23	24	-116.54	107	1385	898	857	41.17	21.821	
4600	4388	5523	4885	24	24	-116.99	63	1420	884	842	42.82	20.654	
4650	4401	5577	4883	25	25	-117.41	20	1453	872	828	44.50	19.604	
4700	4410	5626	4880	26	26	-117.83	-18	1484	863	817	46.16	18.692	
4750	4415	5676	4877	27	27	-118.20	-58	1515	856	808	47.82	17.894	
4778	4415	5702	4876	27	27	-118.42	-78	1531	853	804	48.71	17.506	
4800	4415	5722	4875	28	28	-118.43	-93	1543	851	801	49.38	17.230	
4900	4414	5823	4872	29	30	-118.56	-173	1605	842	790	52.65	16.000	
5000	4413	5918	4868	31	32	-118.63	-248	1664	834	778	56.03	14.880	
5100	4412	6002	4865	33	33	-118.69	-314	1716	827	767	59.40	13.914	
5125	4412	6027	4864	34	34	-118.71	-333	1732	825	765	60.31	13.678	
5200	4411	6100	4861	35	35	-118.73	-389	1779	820	757	63.05	13.009	
5225	4411	6124	4860	36	36	-118.72	-408	1794	819	755	63.97	12.798	
5300	4410	6199	4857	38	37	-118.67	-465	1842	814	747	66.85	12.180	
5324	4410	6220	4856	38	38	-118.65	-481	1855	813	745	67.75	11.998	
5400	4410	6293	4853	40	39	-118.60	-536	1903	809	738	70.66	11.448	
5424	4409	6319	4852	40	40	-118.58	-557	1920	808	736	71.66	11.271	
5500	4409	6393	4848	42	42	-118.52	-613	1968	803	729	74.64	10.764	
5524	4408	6413	4847	42	42	-118.51	-628	1980	802	727	75.54	10.619	
5600	4408	6470	4846	44	43	-118.53	-671	2018	799	721	78.27	10.212	
5670	4407	6521	4846	46	45	-118.60	-709	2051	799	718	80.73	9.892 CC	
5700	4407	6544	4846	46	45	-118.63	-727	2067	799	717	81.81	9.763	
5704	4407	6548	4846	46	45	-118.63	-729	2069	799	717	81.97	9.744	
5800	4406	6651	4846	49	48	-118.64	-804	2140	799	713	86.01	9.293	
5804	4406	6655	4846	49	48	-118.64	-808	2143	799	713	86.19	9.274	
5900	4405	6745	4845	51	50	-118.58	-873	2204	800	710	90.07	8.879	
5921	4405	6769	4845	51	50	-118.59	-891	2221	800	709	91.01	8.789	
6000	4404	6855	4844	53	52	-118.64	-954	2278	799	705	94.36	8.472	
6034	4404	6885	4845	54	53	-118.70	-977	2298	799	704	95.66	8.356	
6100	4403	6941	4846	56	54	-118.83	-1018	2336	800	702	98.13	8.151	
6104	4403	6945	4846	56	55	-118.84	-1021	2339	800	702	98.30	8.137	
6200	4402	7039	4848	58	57	-119.04	-1090	2402	801	699	102.10	7.849	
6204	4402	7043	4848	58	57	-119.05	-1094	2405	801	699	102.29	7.835	
6300	4401	7135	4850	60	59	-119.21	-1161	2467	803	697	106.08	7.570	
6304	4401	7139	4850	60	59	-119.22	-1164	2470	803	697	106.25	7.558	
6400	4400	7225	4852	63	61	-119.35	-1226	2529	806	696	109.96	7.326	
6404	4400	7229	4852	63	61	-119.35	-1229	2532	806	696	110.14	7.316	
6500	4400	7343	4854	65	64	-119.44	-1312	2611	808	694	114.54	7.056	
6504	4399	7349	4854	65	64	-119.43	-1316	2615	808	693	114.77	7.042	
6600	4399	7445	4851	67	67	-119.30	-1385	2681	809	690	118.97	6.797	
6604	4399	7449	4851	67	67	-119.29	-1388	2684	809	690	119.16	6.787	
6700	4398	7533	4851	70	69	-119.25	-1449	2742	810	687	123.04	6.585	
6704	4398	7537	4851	70	69	-119.25	-1452	2744	810	687	123.21	6.576	
6800	4397	7625	4852	72	71	-119.34	-1515	2805	813	686	127.04	6.400	
6804	4397	7629	4852	72	71	-119.35	-1518	2808	813	686	127.22	6.392	
6900	4396	7726	4854	74	74	-119.41	-1588	2876	816	685	131.31	6.216	
6904	4396	7731	4854	75	74	-119.41	-1591	2879	816	685	131.51	6.208	
7000	4395	7827	4854	77	76	-119.37	-1660	2946	819	684	135.70	6.039	
7004	4395	7832	4854	77	76	-119.37	-1664	2950	820	684	135.90	6.031	
7100	4394	7938	4854	79	79	-119.38	-1740	3023	822	682	140.27	5.860	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 406H - Original driling - Original driling — **Offset Site Error:** 0 ft

Survey Program: 376-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
7104	4394	7943	4854	79	79	-119.37	-1744	3027	822	681	140.49	5.851	
7200	4393	8044	4854	82	82	-119.37	-1817	3096	823	678	144.74	5.686	
7204	4393	8049	4854	82	82	-119.37	-1821	3099	823	678	144.94	5.678	
7300	4392	8153	4854	84	84	-119.44	-1897	3170	823	674	149.15	5.521	
7321	4392	8174	4854	85	85	-119.45	-1913	3184	823	673	150.06	5.487	
7400	4391	8251	4853	86	87	-119.46	-1969	3236	823	670	153.40	5.367	
7421	4391	8271	4853	87	87	-119.48	-1984	3249	823	669	154.26	5.337	
7500	4390	8361	4853	89	89	-119.57	-2051	3310	823	665	157.76	5.216	
7522	4390	8383	4853	89	90	-119.60	-2068	3325	823	664	158.67	5.185	
7600	4390	8456	4854	91	92	-119.72	-2122	3373	822	660	161.79	5.080	
7621	4389	8478	4854	92	92	-119.76	-2138	3387	822	659	162.65	5.052	
7700	4389	8570	4854	94	95	-119.87	-2208	3449	821	655	166.12	4.942	
7722	4388	8597	4854	94	95	-119.87	-2227	3466	820	653	167.15	4.908	
7800	4388	8697	4851	96	98	-119.85	-2303	3532	818	647	170.78	4.787	
7824	4387	8719	4850	97	98	-119.84	-2320	3546	816	644	171.80	4.751	
7900	4387	8787	4849	99	100	-119.92	-2372	3590	813	638	174.85	4.649	
7924	4387	8818	4848	99	101	-119.97	-2396	3610	812	636	175.86	4.616	
8000	4386	8879	4848	101	102	-120.10	-2443	3649	808	630	178.74	4.522	
8023	4386	8887	4848	102	102	-120.13	-2449	3654	808	628	179.44	4.501	
8100	4385	8948	4850	103	104	-120.36	-2495	3693	807	625	182.08	4.431	
8104	4385	8948	4850	104	104	-120.36	-2495	3693	807	625	182.17	4.429	
8200	4384	9027	4854	106	106	-120.67	-2554	3746	809	623	185.35	4.363	
8204	4384	9032	4854	106	106	-120.69	-2557	3749	809	623	185.52	4.360	
8300	4383	9122	4857	108	108	-120.92	-2623	3811	812	623	189.09	4.295	
8304	4383	9126	4858	108	108	-120.93	-2626	3814	812	623	189.26	4.292	
8400	4382	9241	4860	111	111	-121.08	-2709	3893	815	622	193.66	4.210	
8421	4382	9272	4860	111	112	-121.06	-2731	3914	815	621	194.82	4.186	
8500	4381	9358	4856	113	114	-120.86	-2794	3974	815	616	198.73	4.100	
8547	4381	9399	4855	114	115	-120.77	-2824	4002	815	614	200.81	4.056	
8600	4380	9447	4854	116	116	-120.72	-2859	4035	815	612	203.08	4.012	
8604	4380	9451	4854	116	116	-120.72	-2862	4038	815	612	203.28	4.008	
8700	4379	9542	4852	118	119	-120.66	-2928	4100	816	608	207.42	3.933	
8704	4379	9546	4852	118	119	-120.65	-2931	4103	816	608	207.62	3.929	
8800	4379	9653	4850	120	121	-120.49	-3008	4177	817	604	212.33	3.846	
8821	4378	9678	4849	121	122	-120.44	-3026	4194	817	603	213.44	3.825	
8900	4378	9756	4846	123	124	-120.25	-3082	4247	816	599	217.21	3.757	
8930	4377	9783	4845	124	125	-120.18	-3102	4266	816	597	218.58	3.733	
9000	4377	9851	4842	125	127	-120.03	-3151	4313	816	594	221.89	3.678	
9004	4377	9856	4842	125	127	-120.02	-3155	4316	816	594	222.12	3.675	
9100	4376	9938	4839	128	129	-119.83	-3214	4374	817	591	226.37	3.611	
9104	4376	9938	4839	128	129	-119.83	-3214	4374	817	591	226.44	3.610	
9200	4375	10,029	4839	130	131	-119.70	-3278	4438	820	590	230.79	3.555	
9204	4375	10,035	4838	130	131	-119.69	-3282	4442	821	590	231.04	3.552	
9300	4374	10,147	4837	133	134	-119.58	-3363	4520	822	586	235.89	3.485	
9304	4374	10,151	4837	133	134	-119.58	-3366	4523	822	586	236.09	3.482	
9400	4373	10,242	4836	135	136	-119.57	-3432	4585	823	583	240.19	3.426	
9404	4373	10,246	4836	135	137	-119.57	-3435	4587	823	583	240.37	3.423	
9500	4372	10,340	4836	138	139	-119.53	-3503	4652	824	580	244.63	3.370	
9504	4372	10,345	4836	138	139	-119.52	-3507	4656	825	580	244.85	3.368	
9600	4371	10,432	4835	140	141	-119.47	-3570	4716	826	577	248.95	3.318	
9604	4371	10,436	4835	140	141	-119.48	-3573	4719	826	577	249.12	3.316	
9700	4370	10,534	4835	142	144	-119.49	-3643	4786	828	575	253.38	3.268	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: K03 2309 - # 406H - Original driling - Original driling — **Offset Site Error:** 0 ft

Survey Program: 376-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9704	4370	10,538	4835	143	144	-119.48	-3646	4789	828	575	253.56	3.267	
9800	4369	10,623	4834	145	146	-119.35	-3707	4849	831	574	257.77	3.225	
9804	4369	10,627	4834	145	146	-119.35	-3710	4853	831	573	257.99	3.223	
9900	4369	10,735	4831	147	149	-119.11	-3786	4929	834	571	263.14	3.171	
9904	4369	10,741	4831	147	149	-119.09	-3790	4933	834	571	263.39	3.168	
10,000	4368	10,849	4828	150	152	-118.84	-3867	5009	836	567	268.53	3.112	
10,021	4367	10,877	4827	150	153	-118.77	-3887	5028	836	566	269.75	3.098	
10,100	4367	10,956	4823	152	155	-118.59	-3945	5082	835	562	273.66	3.052	
10,132	4366	10,985	4823	153	155	-118.56	-3966	5102	835	560	275.10	3.036	
10,200	4366	11,045	4822	155	157	-118.53	-4010	5142	835	557	277.99	3.005	
10,204	4366	11,045	4822	155	157	-118.53	-4010	5142	835	557	278.07	3.004	ES, SF
10,300	4365	11,045	4822	157	157	-118.53	-4010	5142	842	564	278.08	3.029	
10,304	4365	11,045	4822	157	157	-118.53	-4010	5142	843	565	277.99	3.032	
10,400	4364	11,045	4822	160	157	-118.53	-4010	5142	861	586	274.49	3.136	
10,404	4364	11,045	4822	160	157	-118.53	-4010	5142	862	588	274.25	3.143	
10,500	4363	11,045	4822	162	157	-118.53	-4010	5142	890	622	267.80	3.324	
10,504	4363	11,045	4822	162	157	-118.53	-4010	5142	892	624	267.44	3.335	
10,600	4362	11,045	4822	165	157	-118.53	-4010	5142	930	671	258.83	3.591	
10,700	4361	11,045	4822	167	157	-118.53	-4010	5142	978	729	248.43	3.935	
10,800	4360	11,045	4822	169	157	-118.53	-4010	5142	1033	796	237.33	4.353	
10,900	4359	11,045	4822	172	157	-118.53	-4010	5142	1095	869	226.11	4.843	
10,954	4359	11,045	4822	173	157	-118.53	-4010	5142	1131	911	220.12	5.137	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 701H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-90.00	0	-40	40				
100	100	100	100	0	0	-90.00	0	-40	40	39	0.46	86.076	
200	200	200	200	1	1	-90.00	0	-40	40	39	1.18	33.750	
300	300	300	300	1	1	-90.00	0	-40	40	38	1.90	20.990	
400	400	400	400	1	1	-90.00	0	-40	40	37	2.61	15.232	
450	450	450	450	2	1	-90.00	0	-40	40	37	2.97	13.394	CC, ES
500	500	500	500	2	2	163.43	0	-40	40	37	3.32	12.214	
600	600	598	598	2	2	161.36	-3	-42	46	42	3.99	11.548	SF
700	700	697	696	2	2	158.44	-8	-47	57	53	4.68	12.250	
800	799	793	793	3	3	155.69	-16	-53	74	69	5.39	13.812	
900	898	889	887	3	3	153.49	-26	-61	97	91	6.09	15.924	
930	928	917	915	3	3	152.93	-29	-64	105	99	6.31	16.621	
1000	997	982	979	4	3	151.81	-38	-71	125	118	6.81	18.292	
1100	1095	1074	1069	4	4	150.10	-52	-83	155	147	7.52	20.576	
1200	1194	1164	1156	4	4	148.41	-68	-96	187	179	8.22	22.770	
1300	1293	1252	1242	5	5	146.79	-86	-111	222	214	8.93	24.911	
1400	1391	1338	1324	5	5	145.28	-105	-127	260	251	9.63	27.005	
1500	1490	1423	1404	6	6	143.88	-126	-144	300	290	10.33	29.079	
1600	1588	1508	1484	6	6	142.56	-148	-163	343	332	11.05	31.024	
1700	1687	1598	1568	7	7	141.42	-173	-183	386	374	11.84	32.590	
1800	1786	1688	1653	7	8	140.51	-197	-203	429	416	12.64	33.947	
1900	1884	1778	1737	8	8	139.77	-221	-224	472	459	13.44	35.133	
2000	1983	1868	1821	8	9	139.15	-245	-244	516	501	14.25	36.177	
2100	2081	1958	1906	9	10	138.63	-270	-264	559	544	15.06	37.103	
2200	2180	2048	1990	9	10	138.18	-294	-284	602	586	15.88	37.928	
2300	2279	2138	2074	10	11	137.79	-318	-304	646	629	16.70	38.667	
2400	2377	2228	2158	10	12	137.45	-343	-324	689	671	17.52	39.333	
2500	2476	2318	2243	11	12	137.15	-367	-345	732	714	18.34	39.936	
2600	2574	2408	2327	11	13	136.89	-391	-365	776	757	19.16	40.484	
2700	2673	2498	2411	12	14	136.65	-415	-385	819	799	19.99	40.983	
2800	2772	2588	2496	12	14	136.44	-440	-405	863	842	20.82	41.441	
2900	2870	2678	2580	12	15	136.24	-464	-425	906	885	21.65	41.861	
3000	2969	2768	2664	13	16	136.07	-488	-445	950	927	22.48	42.249	
3100	3067	2858	2749	13	16	135.91	-512	-466	993	970	23.31	42.607	
3200	3166	2948	2833	14	17	135.76	-537	-486	1037	1013	24.14	42.939	
3300	3265	3038	2917	14	18	135.63	-561	-506	1080	1055	24.98	43.248	
3400	3363	3128	3002	15	18	135.50	-585	-526	1124	1098	25.81	43.536	
3500	3462	3218	3086	15	19	135.39	-609	-546	1167	1141	26.64	43.804	
3600	3560	3308	3170	16	20	135.28	-634	-566	1211	1183	27.48	44.056	
3700	3659	3398	3255	16	20	135.18	-658	-587	1254	1226	28.32	44.291	
3800	3758	3488	3339	17	21	135.09	-682	-607	1298	1269	29.15	44.512	
3900	3856	3578	3423	17	22	135.00	-706	-627	1341	1311	29.99	44.720	
3994	3949	3663	3503	18	22	134.92	-729	-646	1382	1352	30.78	44.906	
4000	3955	3668	3507	18	22	132.95	-731	-647	1385	1354	30.83	44.916	
4050	4004	3713	3549	18	23	120.57	-743	-657	1407	1376	31.28	44.985	
4100	4051	3757	3590	18	23	113.18	-755	-667	1430	1398	31.77	45.012	
4150	4097	3800	3630	19	23	107.91	-766	-676	1454	1422	32.31	44.999	
4200	4142	3841	3669	19	24	103.72	-777	-686	1478	1445	32.88	44.950	
4250	4184	3880	3706	20	24	100.16	-788	-695	1503	1469	33.50	44.867	
4300	4223	3917	3741	20	24	96.99	-798	-703	1528	1494	34.14	44.753	
4350	4260	3952	3773	21	25	94.06	-807	-711	1553	1519	34.82	44.613	
4400	4293	3984	3803	21	25	91.29	-816	-718	1579	1544	35.52	44.452	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 701H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4450	4323	4012	3830	22	25	88.60	-824	-724	1605	1569	36.25	44.277	
4500	4348	4038	3853	23	25	85.94	-830	-730	1631	1594	36.99	44.093	
4550	4370	4050	3865	23	25	82.94	-834	-733	1657	1620	37.64	44.035	
4600	4388	4050	3865	24	25	79.58	-834	-733	1684	1646	38.19	44.097	
4650	4401	4050	3865	25	25	76.32	-834	-733	1710	1672	38.76	44.128	
4700	4410	4050	3865	26	25	73.20	-834	-733	1737	1697	39.36	44.127	
4750	4415	4066	3880	27	26	70.84	-837	-737	1762	1722	40.15	43.891	
4778	4415	4066	3880	27	26	69.25	-837	-737	1777	1736	40.51	43.862	
4800	4415	4066	3880	28	26	69.24	-837	-737	1788	1747	40.78	43.841	
4900	4414	4050	3865	29	25	68.65	-834	-733	1841	1800	41.83	44.021	
5000	4413	4050	3865	31	25	68.65	-834	-733	1898	1855	43.01	44.138	
5100	4412	4050	3865	33	25	68.65	-834	-733	1959	1915	44.13	44.389	
5200	4411	4050	3865	35	25	68.65	-834	-733	2023	1978	45.19	44.766	
5300	4410	4050	3865	38	25	68.65	-834	-733	2089	2043	46.17	45.258	
5400	4410	4050	3865	40	25	68.65	-834	-733	2158	2111	47.07	45.852	
5500	4409	4050	3865	42	25	68.65	-834	-733	2230	2182	47.92	46.539	
5600	4408	4050	3865	44	25	68.65	-834	-733	2304	2255	48.69	47.310	
5700	4407	4050	3865	46	25	68.65	-834	-733	2379	2330	49.41	48.154	
5800	4406	4050	3865	49	25	68.65	-834	-733	2456	2406	50.06	49.065	
5900	4405	4050	3865	51	25	68.65	-834	-733	2535	2485	50.67	50.036	
6000	4404	4050	3865	53	25	68.65	-834	-733	2616	2564	51.23	51.059	
6100	4403	4050	3865	56	25	68.65	-834	-733	2697	2645	51.74	52.130	
6200	4402	4050	3865	58	25	68.65	-834	-733	2780	2728	52.21	53.244	
6300	4401	4050	3865	60	25	68.65	-834	-733	2864	2811	52.65	54.396	
6400	4400	4050	3865	63	25	68.65	-834	-733	2949	2896	53.05	55.582	
6500	4400	4050	3865	65	25	68.65	-834	-733	3035	2981	53.43	56.800	
6600	4399	4050	3865	67	25	68.65	-834	-733	3121	3068	53.78	58.046	
6700	4398	4050	3865	70	25	68.65	-834	-733	3209	3155	54.10	59.317	
6800	4397	4050	3865	72	25	68.65	-834	-733	3297	3243	54.40	60.611	
6900	4396	4050	3865	74	25	68.65	-834	-733	3386	3331	54.68	61.927	
7000	4395	4050	3865	77	25	68.65	-834	-733	3475	3420	54.94	63.261	
7100	4394	4050	3865	79	25	68.65	-834	-733	3565	3510	55.18	64.613	
7200	4393	4050	3865	82	25	68.65	-834	-733	3656	3601	55.41	65.980	
7300	4392	4050	3865	84	25	68.65	-834	-733	3747	3691	55.62	67.362	
7400	4391	4050	3865	86	25	68.65	-834	-733	3838	3783	55.82	68.758	
7500	4390	4050	3865	89	25	68.65	-834	-733	3930	3874	56.01	70.165	
7600	4390	4050	3865	91	25	68.65	-834	-733	4023	3966	56.19	71.583	
7700	4389	4050	3865	94	25	68.65	-834	-733	4115	4059	56.36	73.011	
7800	4388	4050	3865	96	25	68.65	-834	-733	4208	4152	56.52	74.448	
7900	4387	4050	3865	99	25	68.65	-834	-733	4301	4245	56.68	75.894	
8000	4386	4050	3865	101	25	68.65	-834	-733	4395	4338	56.82	77.348	
8100	4385	4050	3865	103	25	68.65	-834	-733	4489	4432	56.96	78.808	
8200	4384	4050	3865	106	25	68.65	-834	-733	4583	4526	57.09	80.275	
8300	4383	4050	3865	108	25	68.65	-834	-733	4677	4620	57.22	81.748	
8400	4382	4050	3865	111	25	68.65	-834	-733	4772	4714	57.34	83.226	
8500	4381	4050	3865	113	25	68.65	-834	-733	4867	4809	57.45	84.709	
8600	4380	4050	3865	116	25	68.65	-834	-733	4962	4904	57.56	86.197	
8700	4379	4050	3865	118	25	68.65	-834	-733	5057	4999	57.67	87.688	
8800	4379	4050	3865	120	25	68.65	-834	-733	5152	5094	57.77	89.183	
8900	4378	4050	3865	123	25	68.65	-834	-733	5248	5190	57.87	90.682	
9000	4377	4050	3865	125	25	68.65	-834	-733	5343	5285	57.97	92.184	
9100	4376	4050	3865	128	25	68.65	-834	-733	5439	5381	58.06	93.688	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 701H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9200	4375	4050	3865	130	25	68.65	-834	-733	5535	5477	58.15	95.194	
9300	4374	4050	3865	133	25	68.65	-834	-733	5631	5573	58.23	96.703	
9400	4373	4050	3865	135	25	68.65	-834	-733	5728	5669	58.32	98.213	
9500	4372	4050	3865	138	25	68.65	-834	-733	5824	5766	58.40	99.726	
9600	4371	4050	3865	140	25	68.65	-834	-733	5921	5862	58.48	101.239	
9700	4370	4050	3865	142	25	68.65	-834	-733	6017	5959	58.56	102.754	
9800	4369	4050	3865	145	25	68.65	-834	-733	6114	6055	58.64	104.269	
9900	4369	4050	3865	147	25	68.65	-834	-733	6211	6152	58.71	105.786	
10,000	4368	4050	3865	150	25	68.65	-834	-733	6308	6249	58.79	107.303	
10,100	4367	4050	3865	152	25	68.65	-834	-733	6405	6346	58.86	108.820	
10,200	4366	4050	3865	155	25	68.65	-834	-733	6502	6443	58.93	110.338	
10,300	4365	4050	3865	157	25	68.65	-834	-733	6599	6540	59.00	111.856	
10,400	4364	4050	3865	160	25	68.65	-834	-733	6697	6638	59.07	113.374	
10,500	4363	4050	3865	162	25	68.65	-834	-733	6794	6735	59.13	114.892	
10,600	4362	4050	3865	165	25	68.65	-834	-733	6891	6832	59.20	116.409	
10,700	4361	4050	3865	167	25	68.65	-834	-733	6989	6930	59.27	117.926	
10,800	4360	4050	3865	169	25	68.65	-834	-733	7087	7027	59.33	119.443	
10,900	4359	4050	3865	172	25	68.65	-834	-733	7184	7125	59.39	120.959	
10,954	4359	4050	3865	173	25	68.65	-834	-733	7237	7178	59.43	121.783	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 704H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-90.00	0	-20	20				
100	100	100	100	0	0	-90.00	0	-20	20	19	0.62	32.039	
200	200	200	200	1	1	-90.00	0	-20	20	18	1.33	14.814	
300	300	300	300	1	1	-90.00	0	-20	20	18	2.05	9.634	
400	400	400	400	1	1	-90.00	0	-20	20	17	2.77	7.138	
450	450	450	450	2	2	-90.00	0	-20	20	17	3.13	6.320	CC, ES
500	500	500	500	2	2	163.05	0	-20	20	17	3.47	5.882	
600	600	599	599	2	2	158.88	-3	-22	26	22	4.15	6.212	
700	700	698	698	2	2	154.22	-9	-26	37	32	4.84	7.573	
800	799	795	795	3	3	150.80	-17	-31	53	48	5.54	9.582	
900	898	891	890	3	3	148.52	-28	-38	75	69	6.25	11.998	
930	928	920	918	3	3	147.99	-32	-41	83	76	6.48	12.766	
1000	997	986	982	4	4	146.91	-42	-47	102	95	6.97	14.570	
1100	1095	1078	1073	4	4	145.18	-57	-57	131	123	7.69	17.001	
1200	1194	1169	1162	4	4	143.41	-75	-69	162	154	8.41	19.308	
1300	1293	1259	1248	5	5	141.70	-95	-82	197	188	9.14	21.526	
1400	1391	1346	1332	5	5	140.11	-116	-96	233	223	9.85	23.680	
1500	1490	1432	1412	6	6	138.62	-139	-111	273	262	10.56	25.793	
1600	1588	1515	1491	6	6	137.26	-164	-127	314	303	11.26	27.884	
1700	1687	1603	1573	7	7	135.98	-191	-145	357	345	12.05	29.665	
1800	1786	1693	1656	7	8	134.96	-218	-163	401	388	12.86	31.170	
1900	1884	1783	1740	8	8	134.13	-246	-181	444	431	13.68	32.486	
2000	1983	1873	1823	8	9	133.45	-274	-199	488	473	14.50	33.646	
2100	2081	1963	1907	9	10	132.88	-302	-218	532	516	15.33	34.673	
2200	2180	2053	1990	9	10	132.40	-329	-236	575	559	16.16	35.589	
2300	2279	2142	2074	10	11	131.99	-357	-254	619	602	17.00	36.410	
2400	2377	2232	2158	10	12	131.63	-385	-272	663	645	17.84	37.149	
2500	2476	2322	2241	11	13	131.31	-412	-290	706	688	18.68	37.818	
2600	2574	2412	2325	11	13	131.04	-440	-308	750	731	19.52	38.426	
2700	2673	2502	2408	12	14	130.79	-468	-327	794	773	20.36	38.981	
2800	2772	2592	2492	12	15	130.57	-495	-345	838	816	21.21	39.489	
2900	2870	2682	2575	12	15	130.37	-523	-363	881	859	22.06	39.955	
3000	2969	2772	2659	13	16	130.19	-551	-381	925	902	22.91	40.385	
3100	3067	2861	2742	13	17	130.02	-578	-399	969	945	23.76	40.782	
3200	3166	2951	2826	14	17	129.87	-606	-417	1013	988	24.61	41.151	
3300	3265	3041	2909	14	18	129.73	-634	-435	1057	1031	25.46	41.493	
3400	3363	3131	2993	15	19	129.61	-661	-454	1100	1074	26.32	41.812	
3500	3462	3221	3077	15	20	129.49	-689	-472	1144	1117	27.17	42.110	
3600	3560	3311	3160	16	20	129.38	-717	-490	1188	1160	28.03	42.388	
3700	3659	3401	3244	16	21	129.28	-745	-508	1232	1203	28.88	42.650	
3800	3758	3490	3327	17	22	129.19	-772	-526	1276	1246	29.74	42.895	
3900	3856	3580	3411	17	22	129.10	-800	-544	1319	1289	30.60	43.125	
3994	3949	3665	3490	18	23	129.02	-826	-562	1361	1329	31.41	43.331	
4000	3955	3670	3494	18	23	127.04	-828	-563	1363	1332	31.45	43.342	
4050	4004	3715	3536	18	23	114.63	-841	-572	1386	1354	31.92	43.410	
4100	4051	3759	3577	18	24	107.30	-855	-581	1408	1376	32.43	43.417	
4150	4097	3802	3617	19	24	102.16	-868	-589	1431	1398	33.00	43.367	
4200	4142	3844	3656	19	24	98.17	-881	-598	1454	1420	33.61	43.262	
4250	4184	3884	3693	20	25	94.89	-894	-606	1477	1443	34.26	43.106	
4300	4223	3922	3729	20	25	92.06	-905	-614	1500	1465	34.96	42.906	
4350	4260	3958	3762	21	25	89.54	-916	-621	1523	1487	35.70	42.667	
4400	4293	3991	3793	21	26	87.22	-927	-628	1546	1510	36.47	42.395	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 704H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4450	4323	4022	3821	22	26	85.04	-936	-634	1569	1532	37.27	42.101	
4500	4348	4049	3846	23	26	82.93	-944	-639	1592	1554	38.10	41.791	
4550	4370	4072	3868	23	26	80.86	-951	-644	1615	1576	38.94	41.475	
4600	4388	4984	4381	24	34	90.05	-1522	-377	1633	1585	48.10	33.943	
4650	4401	5032	4380	25	34	89.39	-1557	-344	1633	1584	49.79	32.804	
4700	4410	5081	4380	26	35	88.95	-1593	-311	1634	1582	51.51	31.713	
4742	4414	5123	4380	26	35	88.77	-1624	-282	1634	1581	53.04	30.799	
4750	4415	5131	4380	27	35	88.75	-1629	-276	1634	1580	53.32	30.635	
4776	4415	5157	4380	27	36	88.75	-1648	-258	1633	1579	54.27	30.094	
4778	4415	5159	4380	27	36	88.76	-1650	-257	1633	1579	54.36	30.047	
4798	4415	5179	4379	27	36	88.76	-1664	-243	1633	1578	55.08	29.649	
4800	4415	5181	4379	28	36	88.76	-1665	-242	1633	1578	55.14	29.617	
4893	4414	5273	4379	29	37	88.77	-1733	-178	1632	1573	58.69	27.803	
4900	4414	5281	4379	29	37	88.77	-1738	-173	1632	1573	58.96	27.674	
4993	4413	5374	4378	31	39	88.77	-1805	-110	1631	1568	62.37	26.143	
5000	4413	5381	4378	31	39	88.77	-1811	-104	1630	1568	62.70	26.005	
5093	4412	5474	4377	33	40	88.78	-1878	-41	1629	1563	66.62	24.457	
5100	4412	5481	4377	33	40	88.78	-1883	-36	1629	1562	66.92	24.344	
5193	4411	5574	4377	35	42	88.79	-1951	28	1628	1557	70.83	22.985	
5200	4411	5581	4377	35	42	88.79	-1956	33	1628	1557	71.13	22.885	
5293	4410	5674	4376	37	43	88.80	-2023	97	1627	1552	75.12	21.655	
5300	4410	5681	4376	38	44	88.80	-2028	102	1627	1551	75.43	21.565	
5393	4410	5774	4376	40	45	88.81	-2096	166	1625	1546	79.48	20.450	
5400	4410	5781	4375	40	45	88.81	-2101	171	1625	1546	79.79	20.369	
5493	4409	5874	4375	42	47	88.81	-2169	235	1624	1540	83.91	19.355	
5500	4409	5881	4375	42	47	88.81	-2174	239	1624	1540	84.22	19.283	
5593	4408	5974	4374	44	49	88.82	-2241	303	1623	1534	88.40	18.359	
5600	4408	5981	4374	44	49	88.82	-2246	308	1623	1534	88.71	18.294	
5693	4407	6074	4374	46	51	88.83	-2314	372	1622	1529	92.93	17.450	
5700	4407	6081	4374	46	51	88.83	-2319	377	1621	1528	93.24	17.391	
5793	4406	6174	4373	48	53	88.84	-2387	441	1620	1523	97.50	16.619	
5800	4406	6181	4373	49	53	88.84	-2391	446	1620	1522	97.81	16.565	
5893	4405	6274	4372	51	55	88.85	-2459	510	1619	1517	102.11	15.856	
5900	4405	6281	4372	51	55	88.85	-2464	514	1619	1517	102.41	15.808	
5993	4404	6374	4372	53	57	88.85	-2532	579	1618	1511	106.74	15.155	
6000	4404	6381	4372	53	57	88.85	-2537	583	1618	1511	107.05	15.111	
6093	4403	6474	4371	55	59	88.86	-2605	647	1616	1505	111.41	14.509	
6100	4403	6481	4371	56	60	88.86	-2609	652	1616	1505	111.71	14.469	
6194	4402	6574	4370	58	62	88.87	-2677	716	1615	1499	116.10	13.912	
6200	4402	6581	4370	58	62	88.87	-2682	721	1615	1499	116.40	13.876	
6294	4401	6674	4370	60	64	88.88	-2750	785	1614	1493	120.81	13.359	
6300	4401	6681	4370	60	64	88.88	-2754	789	1614	1493	121.11	13.326	
6394	4400	6775	4369	62	66	88.89	-2823	854	1613	1487	125.54	12.846	
6400	4400	6781	4369	63	66	88.89	-2827	858	1613	1487	125.83	12.815	
6494	4400	6875	4368	65	68	88.89	-2895	923	1611	1481	130.28	12.368	
6500	4400	6881	4368	65	68	88.90	-2900	927	1611	1481	130.57	12.340	
6594	4399	6975	4368	67	71	88.90	-2968	991	1610	1475	135.04	11.923	
6600	4399	6981	4368	67	71	88.90	-2972	996	1610	1475	135.33	11.897	
6694	4398	7075	4367	70	73	88.91	-3041	1060	1609	1469	139.81	11.507	
6700	4398	7081	4367	70	73	88.91	-3045	1064	1609	1469	140.10	11.483	
6794	4397	7175	4366	72	75	88.92	-3113	1129	1608	1463	144.60	11.117	
6800	4397	7181	4366	72	75	88.92	-3117	1133	1607	1463	144.88	11.095	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 704H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6894	4396	7275	4366	74	77	88.93	-3186	1198	1606	1457	149.40	10.751	
6900	4396	7281	4366	74	78	88.93	-3190	1202	1606	1456	149.67	10.731	
6994	4395	7375	4365	77	80	88.94	-3259	1267	1605	1451	154.20	10.408	
7000	4395	7381	4365	77	80	88.94	-3263	1271	1605	1450	154.47	10.389	
7094	4394	7475	4364	79	82	88.94	-3331	1336	1604	1445	159.02	10.085	
7100	4394	7481	4364	79	82	88.94	-3335	1339	1604	1444	159.29	10.067	
7195	4393	7575	4364	82	84	88.95	-3404	1404	1602	1439	163.84	9.780	
7200	4393	7581	4364	82	85	88.95	-3408	1408	1602	1438	164.11	9.764	
7295	4392	7675	4363	84	87	88.96	-3477	1473	1601	1432	168.67	9.492	
7300	4392	7681	4363	84	87	88.96	-3480	1477	1601	1432	168.93	9.477	
7395	4391	7775	4362	86	89	88.97	-3549	1542	1600	1426	173.51	9.220	
7400	4391	7781	4362	86	89	88.97	-3553	1546	1600	1426	173.76	9.206	
7495	4390	7876	4362	89	92	88.98	-3622	1611	1599	1420	178.35	8.963	
7500	4390	7881	4362	89	92	88.98	-3626	1614	1598	1420	178.60	8.950	
7595	4390	7976	4361	91	94	88.99	-3695	1680	1597	1414	183.20	8.719	
7600	4390	7981	4361	91	94	88.99	-3698	1683	1597	1414	183.45	8.707	
7695	4389	8076	4360	94	96	88.99	-3767	1748	1596	1408	188.06	8.487	
7700	4389	8081	4360	94	96	88.99	-3771	1752	1596	1408	188.30	8.475	
7795	4388	8176	4360	96	99	89.00	-3840	1817	1595	1402	192.92	8.266	
7800	4388	8181	4360	96	99	89.00	-3843	1821	1595	1401	193.16	8.256	
7895	4387	8276	4359	98	101	89.01	-3913	1886	1593	1396	197.79	8.056	
7900	4387	8281	4359	99	101	89.01	-3916	1889	1593	1395	198.02	8.047	
7995	4386	8376	4358	101	103	89.02	-3985	1955	1592	1390	202.66	7.856	
8000	4386	8381	4358	101	104	89.02	-3989	1958	1592	1389	202.88	7.847	
8095	4385	8476	4358	103	106	89.03	-4058	2024	1591	1383	207.53	7.666	
8100	4385	8481	4358	103	106	89.03	-4061	2027	1591	1383	207.75	7.657	
8196	4384	8576	4357	106	108	89.04	-4131	2093	1590	1377	212.41	7.484	
8200	4384	8581	4357	106	108	89.04	-4134	2096	1590	1377	212.62	7.476	
8296	4383	8676	4357	108	111	89.04	-4203	2161	1588	1371	217.29	7.310	
8300	4383	8681	4356	108	111	89.04	-4206	2164	1588	1371	217.50	7.303	
8396	4382	8776	4356	111	113	89.05	-4276	2230	1587	1365	222.17	7.143	
8400	4382	8781	4356	111	113	89.05	-4279	2233	1587	1365	222.37	7.137	
8496	4381	8877	4355	113	115	89.06	-4349	2299	1586	1359	227.06	6.984	
8500	4381	8881	4355	113	116	89.06	-4352	2302	1586	1358	227.26	6.978	
8596	4380	8977	4355	115	118	89.07	-4421	2368	1584	1353	231.95	6.831	
8600	4380	8981	4355	116	118	89.07	-4424	2371	1584	1352	232.14	6.825	
8696	4380	9077	4354	118	120	89.08	-4494	2437	1583	1346	236.84	6.685	
8700	4379	9081	4354	118	120	89.08	-4497	2439	1583	1346	237.03	6.679	
8796	4379	9177	4353	120	123	89.09	-4567	2506	1582	1340	241.74	6.544	
8800	4379	9181	4353	120	123	89.09	-4570	2508	1582	1340	241.92	6.539	
8896	4378	9277	4353	123	125	89.10	-4640	2574	1581	1334	246.64	6.409	
8900	4378	9281	4353	123	125	89.10	-4642	2577	1581	1334	246.81	6.404	
8997	4377	9377	4352	125	128	89.10	-4712	2643	1579	1328	251.54	6.279	
9000	4377	9381	4352	125	128	89.10	-4715	2646	1579	1328	251.70	6.275	
9097	4376	9477	4351	128	130	89.11	-4785	2712	1578	1322	256.44	6.154	
9100	4376	9481	4351	128	130	89.11	-4787	2714	1578	1321	256.60	6.150	
9197	4375	9577	4351	130	132	89.12	-4858	2781	1577	1315	261.34	6.033	
9200	4375	9581	4351	130	133	89.12	-4860	2783	1577	1315	261.50	6.030	
9297	4374	9678	4350	133	135	89.13	-4930	2850	1576	1309	266.25	5.917	
9300	4374	9681	4350	133	135	89.13	-4933	2852	1575	1309	266.40	5.914	
9397	4373	9778	4349	135	137	89.14	-5003	2919	1574	1303	271.16	5.806	
9400	4373	9781	4349	135	137	89.14	-5005	2921	1574	1303	271.30	5.803	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 704H - Original Drilling - APD — **Offset Site Error:** 0 ft

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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9497	4372	9878	4349	138	140	89.15	-5076	2988	1573	1297	276.07	5.698	
9500	4372	9881	4349	138	140	89.15	-5078	2989	1573	1297	276.20	5.695	
9597	4371	9978	4348	140	142	89.15	-5148	3056	1572	1291	280.98	5.594	
9600	4371	9981	4348	140	142	89.16	-5150	3058	1572	1291	281.11	5.591	
9698	4370	10,078	4347	142	145	89.16	-5221	3125	1570	1285	285.89	5.493	
9700	4370	10,080	4347	142	145	89.16	-5223	3127	1570	1284	286.01	5.491	
9798	4370	10,178	4347	145	147	89.17	-5294	3194	1569	1278	290.81	5.396	
9800	4369	10,180	4347	145	147	89.17	-5296	3196	1569	1278	290.92	5.394	
9898	4369	10,278	4346	147	150	89.18	-5367	3263	1568	1272	295.73	5.302	
9900	4369	10,280	4346	147	150	89.18	-5368	3264	1568	1272	295.83	5.300	
9998	4368	10,379	4345	150	152	89.19	-5439	3332	1567	1266	300.64	5.211	
10,000	4368	10,380	4345	150	152	89.19	-5441	3333	1567	1266	300.74	5.209	
10,098	4367	10,479	4345	152	154	89.20	-5512	3401	1565	1260	305.56	5.123	
10,100	4367	10,480	4345	152	154	89.20	-5513	3402	1565	1260	305.65	5.121	
10,198	4366	10,579	4344	155	157	89.21	-5585	3470	1564	1254	310.49	5.037	
10,200	4366	10,580	4344	155	157	89.21	-5586	3471	1564	1253	310.56	5.036	
10,299	4365	10,679	4343	157	159	89.22	-5657	3538	1563	1247	315.41	4.955	
10,300	4365	10,680	4343	157	159	89.22	-5659	3539	1563	1247	315.48	4.954	
10,399	4364	10,779	4343	160	162	89.22	-5730	3607	1561	1241	320.33	4.875	
10,400	4364	10,780	4343	160	162	89.22	-5731	3608	1561	1241	320.39	4.874	
10,499	4363	10,879	4342	162	164	89.23	-5803	3676	1560	1235	325.26	4.797	
10,500	4363	10,880	4342	162	164	89.23	-5804	3677	1560	1235	325.31	4.796	
10,599	4362	10,980	4341	165	167	89.24	-5876	3745	1559	1229	330.18	4.721	
10,600	4362	10,980	4341	165	167	89.24	-5876	3746	1559	1229	330.22	4.721	
10,699	4361	11,080	4341	167	169	89.25	-5948	3814	1558	1223	335.11	4.648	
10,700	4361	11,080	4341	167	169	89.25	-5949	3814	1558	1222	335.14	4.648	
10,799	4360	11,180	4340	169	172	89.26	-6021	3883	1556	1216	340.04	4.577	
10,800	4360	11,180	4340	169	172	89.26	-6022	3883	1556	1216	340.06	4.577	
10,900	4359	11,280	4339	172	174	89.27	-6094	3952	1555	1210	344.96	4.508	
10,900	4359	11,280	4339	172	174	89.27	-6094	3952	1555	1210	344.98	4.508	
10,954	4359	11,333	4339	173	175	89.27	-6133	3988	1554	1207	347.61	4.472	
10,954	4359	11,334	4339	173	175	89.27	-6133	3989	1554	1207	347.64	4.471 SF	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 732H - Original Drilling - APD — **Offset Site Error:** 0 ft

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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	90.00	0	20	20				
100	100	100	100	0	0	90.00	0	20	20	19	0.62	32.518	
200	200	200	200	1	1	90.00	0	20	20	19	1.33	15.035	
300	300	300	300	1	1	90.00	0	20	20	18	2.05	9.778	
400	400	400	400	1	1	90.00	0	20	20	17	2.77	7.245	
450	450	450	450	2	2	90.00	0	20	20	17	3.13	6.414	
500	500	500	500	2	2	-16.64	0	20	20	17	3.47	5.777	
600	600	599	599	2	2	-19.59	0	24	20	16	4.15	4.865	
700	700	698	698	2	2	-25.32	0	31	21	16	4.84	4.265	
800	799	798	798	3	3	-34.95	0	39	20	14	5.56	3.567	
900	898	898	897	3	3	-53.31	1	48	17	11	6.32	2.738	
930	928	928	927	3	3	-61.65	1	50	17	10	6.57	2.531	
969	966	967	965	3	3	-73.81	1	53	16	9	6.90	2.356	CC
1000	997	998	996	4	4	-83.62	1	56	16	9	7.16	2.303	ES, SF
1100	1095	1097	1095	4	4	-109.86	1	64	20	12	7.96	2.529	
1200	1194	1197	1195	4	4	-125.87	1	73	26	18	8.69	3.048	
1300	1293	1296	1294	5	5	-135.26	1	81	34	25	9.41	3.622	
1400	1391	1396	1393	5	5	-141.13	1	90	42	32	10.14	4.170	
1500	1490	1496	1492	6	5	-145.07	2	98	51	40	10.87	4.670	
1600	1588	1595	1592	6	6	-147.88	2	106	59	48	11.60	5.119	
1700	1687	1695	1691	7	6	-149.97	2	115	68	56	12.34	5.523	
1800	1786	1794	1790	7	7	-151.58	2	123	77	64	13.08	5.885	
1900	1884	1894	1889	8	7	-152.86	2	131	86	72	13.82	6.211	
2000	1983	1993	1989	8	7	-153.90	2	140	95	80	14.56	6.505	
2100	2081	2093	2088	9	8	-154.76	3	148	104	88	15.31	6.772	
2200	2180	2193	2187	9	8	-155.49	3	157	113	97	16.05	7.015	
2300	2279	2292	2286	10	9	-156.11	3	165	122	105	16.80	7.237	
2400	2377	2392	2386	10	9	-156.64	3	173	131	113	17.55	7.440	
2500	2476	2491	2485	11	9	-157.10	3	182	140	121	18.29	7.627	
2600	2574	2591	2584	11	10	-157.51	3	190	149	129	19.04	7.800	
2700	2673	2691	2683	12	10	-157.87	4	199	158	138	19.79	7.960	
2800	2772	2790	2782	12	10	-158.20	4	207	167	146	20.54	8.108	
2900	2870	2890	2882	12	11	-158.48	4	215	176	154	21.29	8.246	
3000	2969	2989	2981	13	11	-158.75	4	224	185	163	22.04	8.374	
3100	3067	3089	3080	13	12	-158.98	4	232	194	171	22.79	8.494	
3200	3166	3189	3179	14	12	-159.20	4	241	203	179	23.54	8.607	
3300	3265	3288	3279	14	12	-159.40	5	249	212	187	24.29	8.713	
3400	3363	3388	3378	15	13	-159.58	5	257	221	196	25.04	8.812	
3500	3462	3487	3477	15	13	-159.74	5	266	230	204	25.79	8.906	
3600	3560	3587	3576	16	14	-159.90	5	274	239	212	26.54	8.994	
3700	3659	3687	3676	16	14	-160.04	5	282	248	220	27.29	9.077	
3800	3758	3786	3775	17	14	-160.17	5	291	257	229	28.04	9.156	
3900	3856	3877	3865	17	15	-160.27	6	298	266	238	28.72	9.269	
3994	3949	3939	3927	18	15	-160.11	10	300	283	254	28.99	9.768	
4000	3955	3950	3938	18	15	-161.78	11	299	285	255	29.13	9.771	
4050	4004	3974	3962	18	15	-171.83	15	298	300	271	29.01	10.355	
4100	4051	4000	3987	18	15	-176.97	19	296	323	294	28.92	11.170	
4150	4097	4028	4014	19	15	179.90	25	293	352	323	28.90	12.165	
4200	4142	4050	4036	19	15	177.55	30	290	385	356	28.81	13.372	
4250	4184	4068	4053	20	15	175.44	35	287	423	395	28.69	14.758	
4300	4223	4083	4067	20	15	173.20	39	285	465	437	28.59	16.271	
4350	4260	4100	4083	21	15	170.71	45	281	510	481	28.65	17.797	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 732H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4400	4293	4100	4083	21	15	165.74	45	281	557	528	28.36	19.631	
4450	4323	4100	4083	22	15	156.48	45	281	605	577	28.17	21.479	
4500	4348	4100	4083	23	15	134.00	45	281	655	626	28.09	23.303	
4550	4370	4100	4083	23	15	80.28	45	281	704	676	28.09	25.075	
4600	4388	4100	4083	24	15	40.62	45	281	754	726	28.16	26.778	
4650	4401	4100	4083	25	15	26.05	45	281	803	775	28.28	28.400	
4700	4410	4100	4083	26	15	19.50	45	281	852	823	28.46	29.934	
4750	4415	4100	4083	27	15	15.91	45	281	899	871	28.66	31.376	
4778	4415	4100	4083	27	15	14.54	45	281	926	897	28.79	32.154	
4800	4415	4100	4083	28	15	14.54	45	281	946	917	28.89	32.738	
4900	4414	4080	4064	29	15	13.98	38	285	1039	1010	28.98	35.844	
5000	4413	4068	4053	31	15	13.69	35	287	1133	1103	29.17	38.827	
5100	4412	4050	4036	33	15	13.25	30	290	1227	1198	29.23	41.987	
5200	4411	4050	4036	35	15	13.25	30	290	1322	1293	29.50	44.827	
5300	4410	4050	4036	38	15	13.25	30	290	1418	1388	29.72	47.709	
5400	4410	4050	4036	40	15	13.25	30	290	1514	1484	29.91	50.625	
5500	4409	4026	4013	42	15	12.73	25	294	1610	1580	29.83	53.984	
5600	4408	4020	4007	44	15	12.60	23	294	1707	1677	29.92	57.045	
5700	4407	4000	3987	46	15	12.21	19	296	1804	1774	29.87	60.388	
5800	4406	4000	3987	49	15	12.21	19	296	1901	1871	30.01	63.354	
5900	4405	4000	3987	51	15	12.21	19	296	1998	1968	30.13	66.332	
6000	4404	4000	3987	53	15	12.21	19	296	2096	2066	30.24	69.320	
6100	4403	4000	3987	56	15	12.21	19	296	2194	2164	30.34	72.315	
6200	4402	4000	3987	58	15	12.21	19	296	2292	2261	30.43	75.315	
6300	4401	4000	3987	60	15	12.21	19	296	2390	2360	30.52	78.318	
6400	4400	4000	3987	63	15	12.21	19	296	2488	2458	30.60	81.323	
6500	4400	4000	3987	65	15	12.21	19	296	2587	2556	30.68	84.329	
6600	4399	3978	3966	67	15	11.82	15	298	2685	2654	30.60	87.750	
6700	4398	3975	3963	70	15	11.77	15	298	2783	2753	30.65	90.808	
6800	4397	3973	3961	72	15	11.72	15	298	2882	2851	30.71	93.861	
6900	4396	3950	3938	74	15	11.35	11	299	2981	2951	30.62	97.363	
7000	4395	3950	3938	77	15	11.35	11	299	3080	3049	30.69	100.357	
7100	4394	3950	3938	79	15	11.35	11	299	3179	3148	30.76	103.347	
7200	4393	3950	3938	82	15	11.35	11	299	3277	3247	30.82	106.333	
7300	4392	3950	3938	84	15	11.35	11	299	3376	3345	30.89	109.313	
7400	4391	3950	3938	86	15	11.35	11	299	3475	3444	30.95	112.287	
7500	4390	3950	3938	89	15	11.35	11	299	3574	3543	31.01	115.254	
7600	4390	3950	3938	91	15	11.35	11	299	3673	3642	31.07	118.215	
7700	4389	3950	3938	94	15	11.35	11	299	3772	3741	31.13	121.167	
7800	4388	3950	3938	96	15	11.35	11	299	3872	3840	31.19	124.112	
7900	4387	3950	3938	99	15	11.35	11	299	3971	3940	31.25	127.048	
8000	4386	3950	3938	101	15	11.35	11	299	4070	4039	31.31	129.976	
8100	4385	3950	3938	103	15	11.35	11	299	4169	4138	31.37	132.894	
8200	4384	3950	3938	106	15	11.35	11	299	4269	4237	31.43	135.803	
8300	4383	3950	3938	108	15	11.35	11	299	4368	4336	31.49	138.702	
8400	4382	3950	3938	111	15	11.35	11	299	4467	4436	31.55	141.592	
8500	4381	3950	3938	113	15	11.35	11	299	4567	4535	31.61	144.470	
8600	4380	3950	3938	116	15	11.35	11	299	4666	4634	31.67	147.339	
8700	4379	3950	3938	118	15	11.35	11	299	4766	4734	31.73	150.196	
8800	4379	3950	3938	120	15	11.35	11	299	4865	4833	31.79	153.042	
8900	4378	3950	3938	123	15	11.35	11	299	4965	4933	31.85	155.878	
9000	4377	3950	3938	125	15	11.35	11	299	5064	5032	31.91	158.701	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Offset Design: P04 2309 - 732H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+IGRF

Rule Assigned:

Offset Well Error: 0 ft

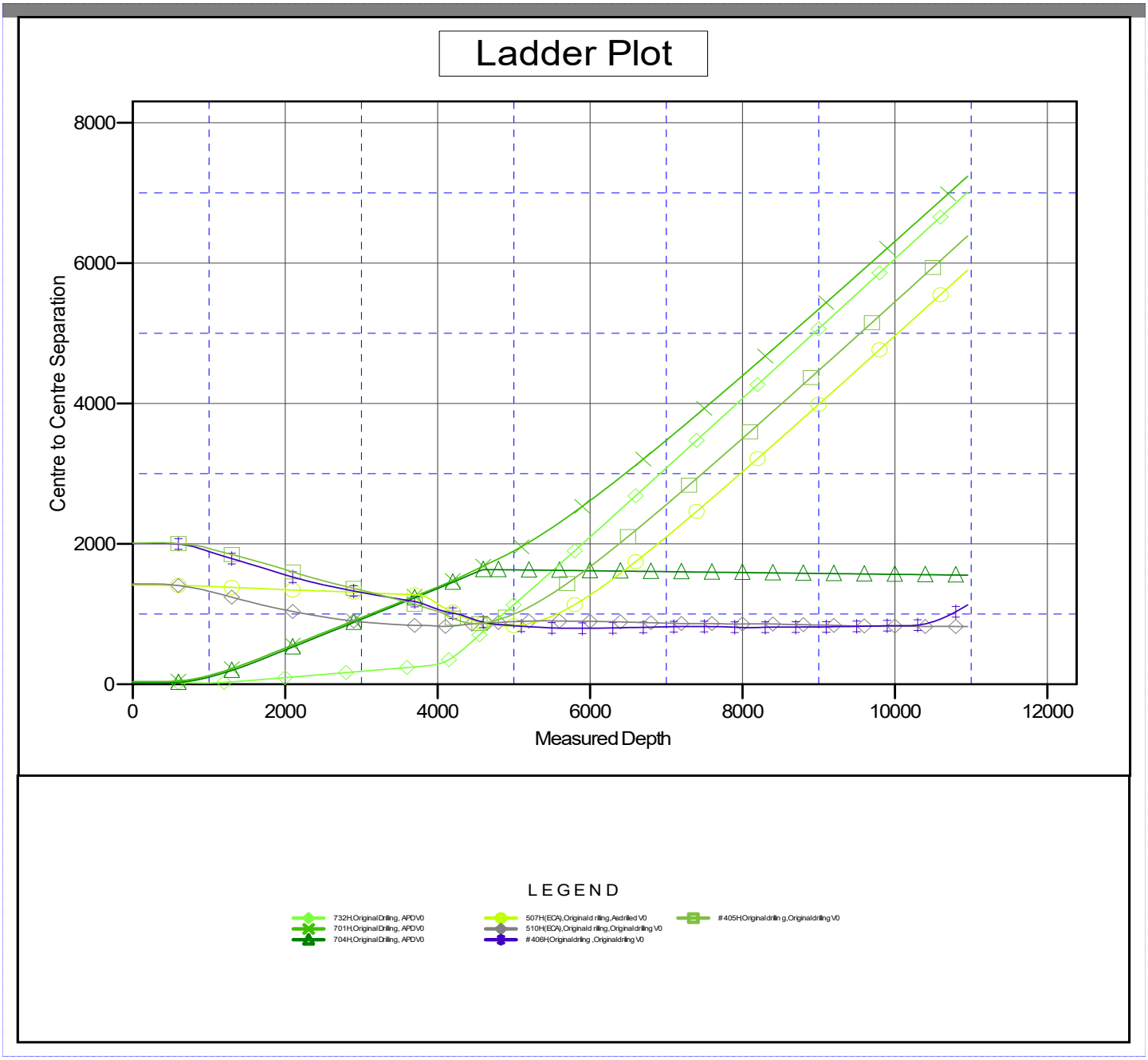
Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
9100	4376	3950	3938	128	15	11.35	11	299	5164	5132	31.97	161.513	
9200	4375	3950	3938	130	15	11.35	11	299	5263	5231	32.03	164.313	
9300	4374	3950	3938	133	15	11.35	11	299	5363	5331	32.09	167.102	
9400	4373	3950	3938	135	15	11.35	11	299	5462	5430	32.15	169.878	
9500	4372	3950	3938	138	15	11.35	11	299	5562	5530	32.22	172.641	
9600	4371	3950	3938	140	15	11.35	11	299	5662	5629	32.28	175.392	
9700	4370	3950	3938	142	15	11.35	11	299	5761	5729	32.34	178.131	
9800	4369	3950	3938	145	15	11.35	11	299	5861	5828	32.41	180.857	
9900	4369	3950	3938	147	15	11.35	11	299	5960	5928	32.47	183.570	
10,000	4368	3950	3938	150	15	11.35	11	299	6060	6028	32.53	186.270	
10,100	4367	3950	3938	152	15	11.35	11	299	6160	6127	32.60	188.957	
10,200	4366	3950	3938	155	15	11.35	11	299	6259	6227	32.66	191.631	
10,300	4365	3950	3938	157	15	11.35	11	299	6359	6326	32.73	194.292	
10,400	4364	3950	3938	160	15	11.35	11	299	6459	6426	32.80	196.940	
10,500	4363	3927	3915	162	15	11.00	9	300	6558	6525	32.75	200.259	
10,600	4362	3926	3914	165	15	11.00	9	300	6658	6625	32.81	202.902	
10,700	4361	3926	3914	167	15	10.99	9	300	6757	6725	32.88	205.531	
10,800	4360	3925	3913	169	15	10.98	9	300	6857	6824	32.94	208.147	
10,900	4359	3924	3913	172	15	10.97	9	300	6957	6924	33.01	210.748	
10,954	4359	3924	3912	173	15	10.96	9	300	7011	6978	33.05	212.153	

DJR Operating

Lonestar Consulting, LLC
Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well 733H - Slot 3
Project:	Nageezi Unit	**TVD Reference:**	GL 6711' & RKB 14' @ 6725ft
Reference Site:	P04 2309	**MD Reference:**	GL 6711' & RKB 14' @ 6725ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	733H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to GL 6711' & RKB 14' @ 6725ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333
Coordinates are relative to: 733H - Slot 3
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.03°



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

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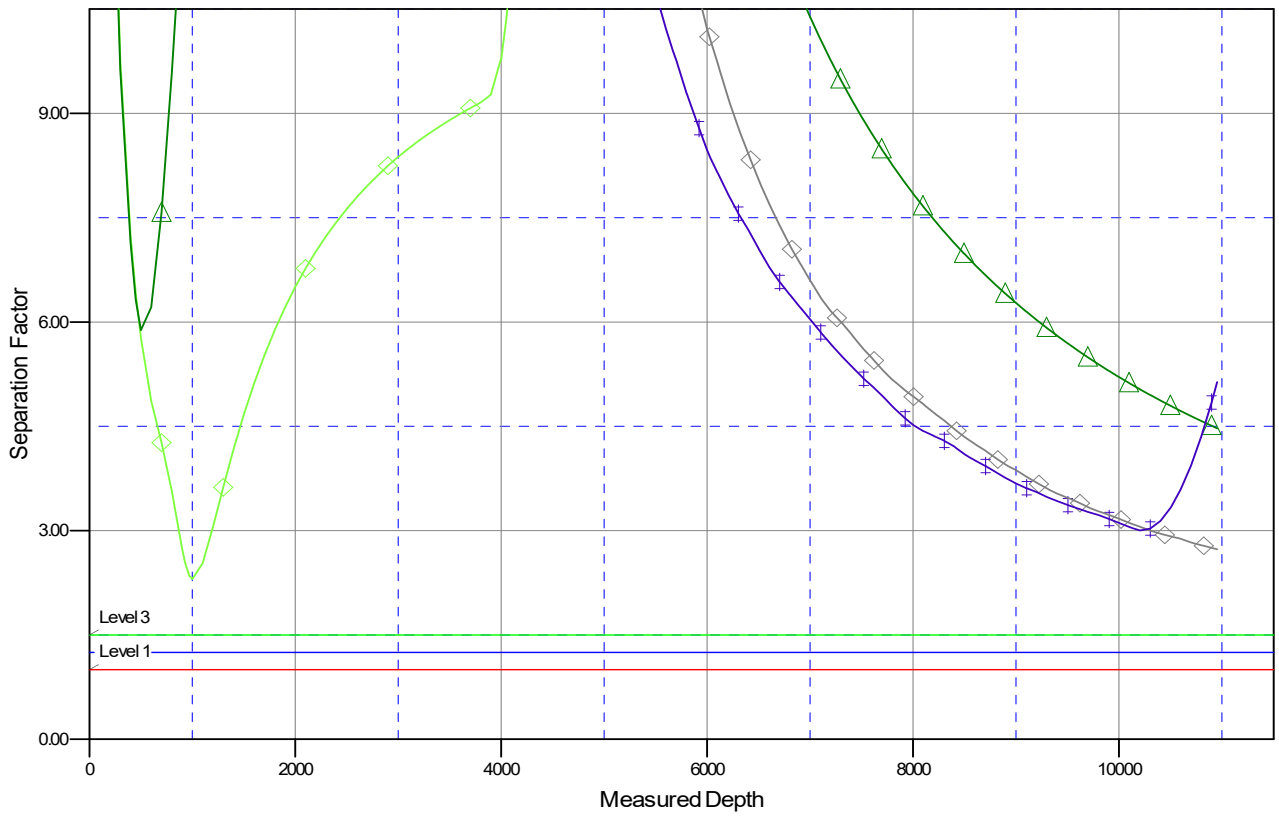
Separation Factor Plot



LEGEND

732H,Original Drilling, APD V0
701H,Original Drilling, APD V0
704H,Original Drilling, APD V0
507H(ECA),Original drilling,Aedrilled V0
510H(ECA),Original drilling,Original drilling V0
#406H,Original drilling ,Original drilling V0
#405H,Original drilling,Original drilling V0

CC - Min centre to center distance or covergent 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)

* ENDURING RESOURCES LLC

#733H NAGEEZI UNIT

Lease: NMNM8005 Agreement: NMNM132981A
SH: SESE Section 4, T. 23 N., R. 9 W.
San Juan County, New Mexico
BH: NESE Section 10, 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.

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 (Form 3160-4) 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. 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 (on a Sundry Notice, Form 3160-5) within three business days (original and three copies of Federal leases and an original and four copies on Indian leases). **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 at Virgil Lucero at 505-793-1836.**

G. 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.

I. 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 time, unless the well is secured with blowout preventers or cement plugs.

J. 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.

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 within 30 days after the work is completed.

1 .Original and three copies on Federal and an Original and five copies on Indian leases of Sundry Notice (Form 3150-5), giving 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 any and 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 manner in which 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 (Form 3160-4) 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.

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 or 50 MMCF following its (completion)(recompletion), whichever first occurs, without the prior, written approval of the authorized officer. 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 first gas to surface.

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 in order to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.F.

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.F. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.

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

VII. PHONE NUMBERS

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

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

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

CONDITIONS

Action 378736

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 378736
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD 24 hours prior to casing & cement	9/12/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/12/2024
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	9/12/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	9/12/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	9/12/2024
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	9/12/2024
ward.rikala	This well can not be produced until the operator is in compliance with Rule 5.9.	9/12/2024