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. 30-045-38335

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: 12/21/2023

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-38335	22619	ESCRITO GALLUP

[4] Property Code	[5] Property Name	[6] Well Number
335196	ESCRITO A12-2408	02H

[7] OGRID No.	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	7322'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	24N	8W		1100'	NORTH	330'	EAST	SAN JUAN

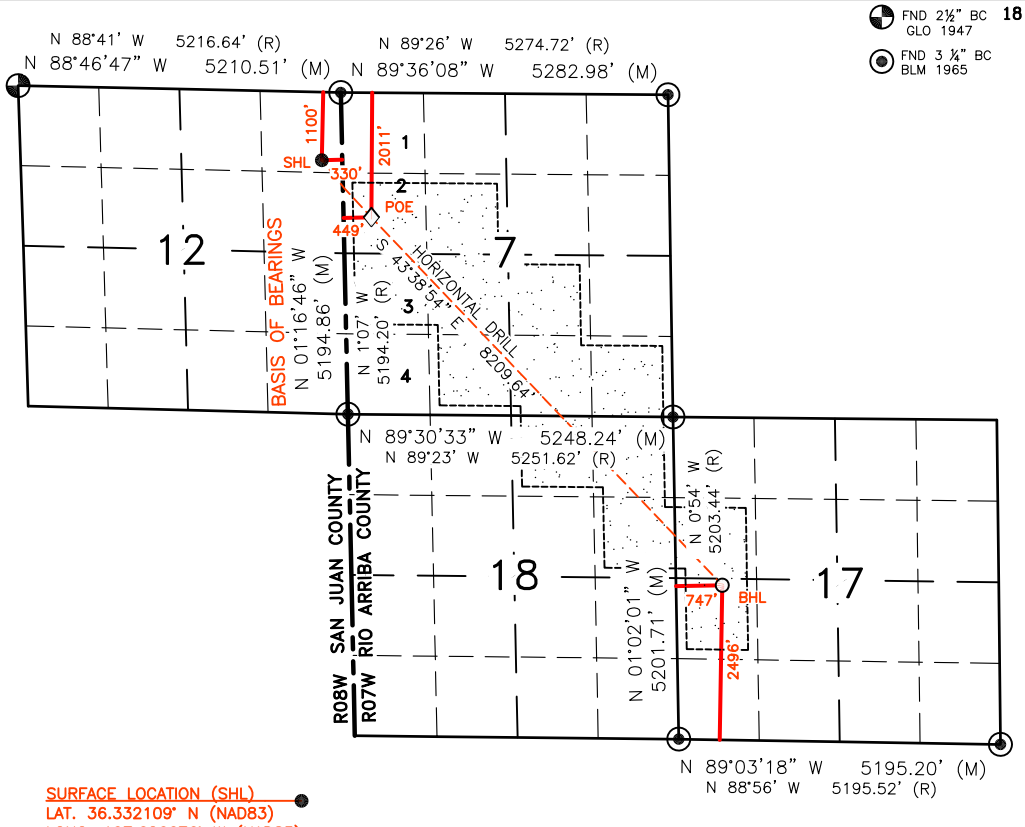
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	17	24N	7W		2496'	SOUTH	747'	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 7: SW/NW, SE/NW, NW/SW, NE/SW, SE/SW, NW/SE, SW/SE & SE/SE (320.57 AC.); SEC 18: NW/NE, NE/NE & SE/NE (120 AC.); SEC 17: SW/NW & NW/SW (80 AC.) = 520.57 ACRES			R-1793A

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

16



SURFACE LOCATION (SHL)
LAT. 36.332109° N (NAD83)
LONG. 107.626676° W (NAD83)

PPP/POE
LAT. 36.329574° N (NAD83)
LONG. 107.623969° W (NAD83)

BOTTOM HOLE LOCATION (BHL)
LAT. 36.313220° N (NAD83)
LONG. 107.604779° W (NAD83)

[17] OPERATOR CERTIFICATION

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

Shaw-Marie Ford 12/07/21
Signature Date

Shaw-Marie Ford
Printed Name

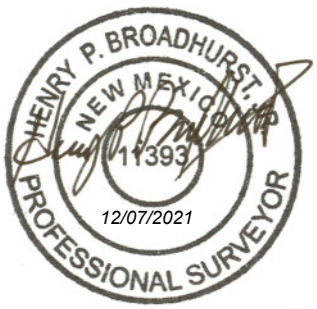
sford@djrllc.com
E-mail Address

SURVEYOR CERTIFICATION

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

MARCH 24, 2020
Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number 11393

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:** _1_/_2_/_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
Escrito A12-2408 01H	TBD	A-12-24N-08W	1109 FNL x 313 FEL	400	600	140
Escrito A12-2408 02H	TBD	A-12-24N-08W	1100 FNL x 330 FEL	400	600	140
Escrito A12-2408 03H	TBD	A-12-24N-08W	1070 FNL x 381 FEL	310	460	110
Escrito A12-2408 04H	TBD	A-12-24N-08W	1090 FNL x 347 FEL	400	620	150
Escrito A12-2408 05H	TBD	A-12-24N-08W	1080 FNL x 364 FEL	370	550	130

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
Escrito A12-2408 01H	TBD	4/1/2024	4/11/2024	6/15/2024	6/25/2024	6/27/2024
Escrito A12-2408 02H	TBD	4/2/2024	4/12/2024	6/15/2024	6/27/2024	6/29/2024
Escrito A12-2408 03H	TBD	4/3/2024	4/13/2024	6/15/2024	6/28/2024	6/30/2024
Escrito A12-2408 04H	TBD	4/4/2024	4/14/2024	6/15/2024	6/29/2024	7/1/2024
Escrito A12-2408 05H	TBD	4/5/2024	4/15/2024	6/15/2024	6/30/2024	7/2/2024

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@djrllc.com
Date: 1/2/2024
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
Escrito A12-2408 01H, 02H, 03H, 04H, and 05H
NENE A-12-24N-08W

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.

1 Road 3263
Aztec, NM 87410

Phone (505) 632-3476
Fax (505) 632-8151

DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Escrito A12-2408 01H, 02H, 03H, 04H, and 05H
NENE A-12-24N-08W

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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DJR Operating, LLC

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NATURAL GAS MANAGEMENT PLAN
Escrito A12-2408 01H, 02H, 03H, 04H, and 05H
NENE A-12-24N-08W

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.

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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 appropriately sized and designed to ensure proper combustion efficiency.

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

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

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

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

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DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Escrito A12-2408 01H, 02H, 03H, 04H, and 05H
NENE A-12-24N-08W

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.

1 Road 3263
Aztec, NM 87410

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Rev 2

DJR Operating

DRILLING PLAN
Escrito A12 2408 #02H
San Juan County, New Mexico

Surface Location
330-ft FEL & 1100-ft FNL
Sec 12 T24N R08W
Graded Elevation 7322' MSL
RKB Elevation 7336' (14' KB)

SHL Geographical Coordinates (NAD-83)
Latitude 36.3321090° N
Longitude 107.6266760° W

Kick Off Point for Horizontal Build Curve
5572-ft MD
5538-ft TVD

Local Coordinates (from SHL)
457-ft South
363-ft East

Heel Location (Pay zone entry)
449-ft FWL & 2011-ft FNL
Sec 7 T24N R07W

Heel Geographical Coordinates (NAD-83)
Latitude 36.32957403° N
Longitude 107.62396926° W

Bottom Hole Location (TD)
747-ft FWL & 2496-ft FSL
Sec 17 T24N R07W

BHL Geographical Coordinates (NAD-83)
Latitude 36.3132203° N
Longitude 107.6047793° W

Well objectives
This well is planned as a 8210-ft lateral in the Gallup B sand.

Bottom Hole temperature and pressure
The temperature in the Gallup B horizontal objective is 152°F. Bottom hole pressure in the Gallup B 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	1980	1971	Sd	W	8.3	8.4 – 8.8
Kirtland	2135	2125	Sh	-	8.3	8.4 – 8.8
Fruitland	2394	2382	C	G	8.3	9.0 - 9.5
Pictured Cliffs	2692	2678	Sd	W	8.3	9.0 - 9.5
Lewis	2777	2762	Sh	-		9.0 - 9.5
Chacra	3494	3474	Sd	-	8.3	9.0 - 9.5
Menefee	4236	4211	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	4984	4954	Sd	-	8.3	9.0 - 9.5
Mancos	5221	5189	Sh	-		9.0 - 9.5
Mancos Silt	5653	5617	Slt	O/G	6.6	9.0 - 9.5
Gallup A	6180	6022	Slt	O/G	6.6	9.0 - 9.5
Gallup B	6337	6079	Sd	O/G	6.6	8.8 -9.0
Gallup C	NP	NP	Sd	O/G	6.6	8.8 -9.0
Target	6501	6099	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	6441	surf	6097	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	6163	14711	6014	6040	6163

Note: all casing will be new

Rev 2

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
	BJ Services	BJ Services
Type	III	Poz/G
Planned top	Surface	5072-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.34	1.50
Mix water (gal/sx)	13.26	7.20
Volume (sx)	495	219
Volume (bbls)	206	58
Volume (cu.ft.)	1159	328
Excess %	55	55

4-1/2" Production Liner

	BJ Services
Type	Poz/G
Planned top	6163-ft
Density (ppg)	13.3
Yield (cf/sx)	1.56
Mix water (gal/sx)	7.71
Volume (sx)	719
Volume (bbls)	200
Volume (cu.ft)	1123
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 – 6441	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	6441 – 14711	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.

DJR Operating

Non-unit
A12 2408 Pad
 # 02H

Original Drilling
APD Rev 2

Anticollision Report

24 July, 2020

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Reference APD Rev 2

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 ellipse separation of 1,000.00 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 7/24/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	14,711.08	APD Rev 2 (Original Drilling)	MWD+HDGM	OWSG MWD + HDGM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
A12 2408 Pad						
# 01H - Original Drilling - APD Rev 2	400.00	400.00	19.97	17.51	8.120	CC, ES
# 01H - Original Drilling - APD Rev 2	800.00	796.22	33.18	27.99	6.393	SF
# 03H - Original Drilling - APD Rev 2	770.28	775.27	54.65	49.63	10.871	CC
# 03H - Original Drilling - APD Rev 2	1,000.00	1,006.51	55.75	49.00	8.257	ES
# 03H - Original Drilling - APD Rev 2	1,200.00	1,204.96	61.18	52.77	7.271	SF
# 04H - Original Drilling - APD Rev 2	689.19	690.47	15.64	11.17	3.498	CC
# 04H - Original Drilling - APD Rev 2	700.00	701.29	15.66	11.11	3.445	ES
# 04H - Original Drilling - APD Rev 2	14,711.15	14,740.46	687.35	236.48	1.524	SF
# 05H - Original Drilling - APD Rev 2	1,039.18	1,043.84	15.19	8.05	2.126	CC, ES, SF

Offset Design A12 2408 Pad - # 01H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	119.49	-9.83	17.38	19.97				
100.00	100.00	100.00	100.00	0.15	0.15	119.49	-9.83	17.38	19.97	19.66	0.31	64.769	
200.00	200.00	200.00	200.00	0.51	0.51	119.49	-9.83	17.38	19.97	18.94	1.03	19.476	
300.00	300.00	300.00	300.00	0.87	0.87	119.49	-9.83	17.38	19.97	18.23	1.74	11.461	
400.00	400.00	400.00	400.00	1.23	1.23	119.49	-9.83	17.38	19.97	17.51	2.46	8.120	CC, ES
500.00	500.00	499.27	499.25	1.59	1.57	119.87	-10.80	18.80	21.69	18.53	3.16	6.861	
600.00	599.98	598.40	598.24	1.93	1.91	-22.18	-13.70	23.05	25.25	21.41	3.84	6.576	
700.00	699.84	697.39	696.85	2.27	2.26	-24.55	-18.52	30.12	29.05	24.54	4.51	6.440	
800.00	799.45	796.22	794.96	2.62	2.63	-28.07	-25.25	39.98	33.18	27.99	5.19	6.393	SF
841.97	841.16	837.66	835.96	2.77	2.79	-29.76	-28.63	44.94	35.05	29.57	5.48	6.397	
900.00	898.78	894.87	892.41	2.98	3.01	-31.79	-33.86	52.60	38.28	32.40	5.88	6.510	
1,000.00	998.06	993.13	988.90	3.35	3.41	-33.60	-44.31	67.92	46.52	39.94	6.58	7.071	
1,100.00	1,097.35	1,090.76	1,084.09	3.72	3.83	-33.84	-56.53	85.84	58.05	50.77	7.28	7.973	
1,200.00	1,196.64	1,187.55	1,177.67	4.10	4.28	-33.23	-70.45	106.25	72.80	64.82	7.98	9.127	
1,300.00	1,295.93	1,283.29	1,269.36	4.49	4.76	-32.27	-85.96	128.98	90.75	82.08	8.67	10.468	
1,400.00	1,395.22	1,377.79	1,358.91	4.87	5.28	-31.21	-102.95	153.90	111.87	102.52	9.35	11.961	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 01H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,500.00	1,494.51	1,471.83	1,447.03	5.26	5.83	-30.17	-121.46	181.03	136.04	126.00	10.04	13.546	
1,600.00	1,593.79	1,568.60	1,537.37	5.65	6.42	-29.35	-141.01	209.68	161.17	150.37	10.80	14.926	
1,700.00	1,693.08	1,665.37	1,627.71	6.04	7.03	-28.75	-160.55	238.33	186.32	174.76	11.56	16.120	
1,800.00	1,792.37	1,762.14	1,718.05	6.43	7.65	-28.29	-180.09	266.98	211.49	199.16	12.32	17.160	
1,900.00	1,891.66	1,858.91	1,808.39	6.82	8.28	-27.93	-199.63	295.63	236.66	223.57	13.09	18.074	
2,000.00	1,990.95	1,955.68	1,898.74	7.22	8.92	-27.64	-219.18	324.28	261.85	247.98	13.87	18.883	
2,100.00	2,090.24	2,052.45	1,989.08	7.61	9.56	-27.40	-238.72	352.93	287.03	272.39	14.64	19.602	
2,200.00	2,189.52	2,149.22	2,079.42	8.01	10.20	-27.20	-258.26	381.58	312.23	296.81	15.42	20.247	
2,300.00	2,288.81	2,245.98	2,169.76	8.40	10.85	-27.03	-277.81	410.23	337.42	321.22	16.20	20.827	
2,400.00	2,388.10	2,342.75	2,260.10	8.80	11.50	-26.88	-297.35	438.88	362.62	345.64	16.98	21.352	
2,500.00	2,487.39	2,439.52	2,350.44	9.19	12.16	-26.75	-316.89	467.53	387.82	370.05	17.77	21.829	
2,600.00	2,586.68	2,536.29	2,440.79	9.59	12.81	-26.64	-336.43	496.18	413.02	394.47	18.55	22.264	
2,700.00	2,685.97	2,633.06	2,531.13	9.98	13.47	-26.54	-355.98	524.83	438.22	418.88	19.34	22.663	
2,800.00	2,785.25	2,729.83	2,621.47	10.38	14.13	-26.45	-375.52	553.48	463.42	443.30	20.12	23.030	
2,900.00	2,884.54	2,826.60	2,711.81	10.78	14.79	-26.37	-395.06	582.12	488.63	467.72	20.91	23.367	
3,000.00	2,983.83	2,923.37	2,802.15	11.17	15.45	-26.30	-414.61	610.77	513.83	492.13	21.70	23.680	
3,100.00	3,083.12	3,020.14	2,892.49	11.57	16.12	-26.23	-434.15	639.42	539.04	516.55	22.49	23.970	
3,200.00	3,182.41	3,116.91	2,982.84	11.97	16.78	-26.17	-453.69	668.07	564.24	540.97	23.28	24.240	
3,300.00	3,281.70	3,213.68	3,073.18	12.36	17.44	-26.12	-473.23	696.72	589.45	565.38	24.07	24.491	
3,400.00	3,380.99	3,310.45	3,163.52	12.76	18.11	-26.07	-492.78	725.37	614.66	589.80	24.86	24.726	
3,500.00	3,480.27	3,407.22	3,253.86	13.16	18.78	-26.02	-512.32	754.02	639.87	614.22	25.65	24.946	
3,600.00	3,579.56	3,503.99	3,344.20	13.55	19.44	-25.98	-531.86	782.67	665.07	638.63	26.44	25.152	
3,700.00	3,678.85	3,600.76	3,434.54	13.95	20.11	-25.94	-551.41	811.32	690.28	663.05	27.23	25.346	
3,800.00	3,778.14	3,697.53	3,524.89	14.35	20.78	-25.90	-570.95	839.97	715.49	687.46	28.03	25.529	
3,900.00	3,877.43	3,794.30	3,615.23	14.75	21.44	-25.87	-590.49	868.62	740.70	711.88	28.82	25.701	
4,000.00	3,976.72	3,891.07	3,705.57	15.14	22.11	-25.84	-610.03	897.27	765.91	736.30	29.61	25.864	
4,100.00	4,076.00	3,987.84	3,795.91	15.54	22.78	-25.81	-629.58	925.92	791.12	760.71	30.41	26.018	
4,200.00	4,175.29	4,084.61	3,886.25	15.94	23.45	-25.78	-649.12	954.57	816.33	785.13	31.20	26.164	
4,300.00	4,274.58	4,181.38	3,976.60	16.34	24.12	-25.76	-668.66	983.22	841.54	809.54	31.99	26.303	
4,400.00	4,373.87	4,278.14	4,066.94	16.73	24.79	-25.73	-688.21	1,011.87	866.75	833.96	32.79	26.434	
4,500.00	4,473.16	4,374.91	4,157.28	17.13	25.46	-25.71	-707.75	1,040.52	891.96	858.37	33.58	26.559	
4,600.00	4,572.45	4,471.68	4,247.62	17.53	26.13	-25.68	-727.29	1,069.16	917.17	882.79	34.38	26.679	
4,700.00	4,671.73	4,568.45	4,337.96	17.93	26.80	-25.66	-746.83	1,097.81	942.38	907.20	35.17	26.792	
4,800.00	4,771.02	4,665.22	4,428.30	18.33	27.47	-25.64	-766.38	1,126.46	967.59	931.62	35.97	26.901	
4,900.00	4,870.31	4,761.99	4,518.65	18.72	28.14	-25.63	-785.92	1,155.11	992.80	956.03	36.76	27.004	
5,000.00	4,969.60	4,858.76	4,608.99	19.12	28.81	-25.61	-805.46	1,183.76	1,018.01	980.45	37.56	27.104	
5,100.00	5,068.89	4,955.53	4,699.33	19.52	29.48	-25.59	-825.01	1,212.41	1,043.22	1,004.86	38.36	27.198	
5,200.00	5,168.18	5,052.30	4,789.67	19.92	30.15	-25.57	-844.55	1,241.06	1,068.43	1,029.28	39.15	27.289	
5,300.00	5,267.46	7,449.55	6,242.01	20.32	46.54	-107.29	-102.98	700.41	1,088.82	1,053.09	35.73	30.476	
5,400.00	5,366.75	7,438.43	6,241.93	20.72	46.37	-106.06	-111.06	708.06	1,001.36	963.59	37.76	26.517	
5,500.00	5,466.04	7,427.30	6,241.84	21.11	46.19	-104.83	-119.14	715.71	916.33	876.13	40.20	22.796	
5,572.42	5,537.95	7,419.24	6,241.78	21.40	46.06	-103.93	-124.99	721.25	856.68	814.43	42.25	20.276	
5,600.00	5,565.25	7,415.58	6,241.76	21.51	46.00	-105.46	-127.65	723.77	834.53	791.44	43.10	19.364	
5,650.00	5,614.22	7,405.94	6,241.69	21.74	45.84	-108.65	-134.65	730.40	795.60	750.91	44.70	17.800	
5,700.00	5,662.26	7,392.48	6,241.59	21.98	45.63	-111.43	-144.42	739.66	758.53	712.16	46.37	16.357	
5,750.00	5,709.07	7,375.28	6,241.46	22.25	45.37	-113.54	-156.90	751.48	723.64	675.52	48.12	15.040	
5,800.00	5,754.35	7,354.46	6,241.30	22.54	45.05	-114.98	-172.02	765.80	691.21	641.32	49.89	13.854	
5,850.00	5,797.84	7,330.13	6,241.12	22.86	44.68	-115.80	-189.68	782.53	661.49	609.81	51.68	12.800	
5,900.00	5,839.25	7,302.45	6,240.92	23.20	44.26	-116.09	-209.77	801.56	634.66	581.23	53.43	11.878	
5,950.00	5,878.35	7,271.60	6,240.69	23.57	43.82	-115.90	-232.18	822.78	610.83	555.69	55.14	11.077	
6,000.00	5,914.88	7,237.75	6,240.44	23.98	43.34	-115.33	-256.75	846.06	590.04	533.29	56.76	10.396	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 01H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,050.00	5,948.62	7,201.12	6,240.17	24.42	42.82	-114.43	-283.34	871.25	572.25	514.01	58.24	9.826	
6,100.00	5,979.36	7,161.93	6,239.88	24.90	42.30	-113.31	-311.79	898.20	557.32	497.72	59.60	9.352	
6,150.00	6,006.91	7,120.43	6,239.57	25.42	41.76	-112.03	-341.92	926.73	545.06	484.28	60.78	8.967	
6,200.00	6,031.11	7,076.87	6,239.24	25.99	41.21	-110.68	-373.54	956.69	535.24	473.41	61.82	8.657	
6,250.00	6,051.81	7,031.53	6,238.91	26.60	40.67	-109.35	-406.47	987.87	527.57	464.85	62.72	8.412	
6,300.00	6,068.86	6,984.67	6,238.56	27.25	40.14	-108.13	-440.48	1,020.10	521.76	458.28	63.48	8.220	
6,350.00	6,082.18	6,936.59	6,238.20	27.95	39.62	-107.10	-475.39	1,053.16	517.55	453.42	64.13	8.070	
6,400.00	6,091.68	6,878.78	6,237.06	28.68	39.04	-106.08	-517.39	1,092.86	514.51	449.98	64.53	7.973	
6,450.00	6,097.30	6,810.79	6,229.73	29.45	38.40	-104.78	-566.81	1,138.91	511.12	446.28	64.84	7.883	
6,501.30	6,099.00	6,743.24	6,215.39	30.27	37.84	-103.35	-615.48	1,183.46	507.08	441.74	65.34	7.760	
6,600.00	6,098.29	6,623.37	6,173.14	31.92	37.03	-98.76	-699.06	1,258.00	497.05	430.07	66.98	7.421	
6,700.00	6,097.57	6,520.55	6,120.77	33.71	36.53	-92.78	-766.03	1,315.64	486.42	417.19	69.23	7.026	
6,800.00	6,096.85	6,436.57	6,067.95	35.59	36.25	-86.56	-816.19	1,357.30	480.44	409.12	71.32	6.736	
6,821.33	6,096.70	6,420.88	6,057.15	36.01	36.20	-85.28	-825.03	1,364.47	480.22	408.53	71.69	6.699	
6,900.00	6,096.13	6,368.90	6,019.46	37.55	36.09	-80.80	-853.00	1,386.77	483.58	410.99	72.60	6.661	
7,000.00	6,095.42	6,314.36	5,976.93	39.58	35.99	-75.82	-880.01	1,407.63	498.80	426.11	72.69	6.862	
7,100.00	6,094.70	6,270.07	5,940.36	41.67	35.94	-71.64	-900.05	1,422.54	527.13	455.50	71.63	7.359	
7,200.00	6,093.98	6,233.72	5,909.13	43.81	35.90	-68.18	-915.15	1,433.36	567.99	498.20	69.79	8.139	
7,300.00	6,093.26	6,200.00	5,879.26	45.99	35.87	-64.99	-928.03	1,442.24	619.77	552.28	67.49	9.183	
7,400.00	6,092.54	6,178.16	5,859.50	48.21	35.85	-62.94	-935.78	1,447.37	680.52	615.19	65.34	10.416	
7,500.00	6,091.82	6,150.00	5,833.57	50.46	35.83	-60.35	-945.05	1,453.26	748.52	685.41	63.11	11.861	
7,600.00	6,091.10	6,150.00	5,833.57	52.74	35.83	-60.35	-945.05	1,453.26	822.23	760.55	61.68	13.330	
7,700.00	6,090.39	6,122.11	5,807.45	55.04	35.81	-57.84	-953.44	1,458.29	900.08	840.21	59.86	15.036	
7,800.00	6,089.67	6,100.00	5,786.47	57.36	35.79	-55.90	-959.50	1,461.69	981.66	923.29	58.37	16.817	
7,900.00	6,088.95	6,100.00	5,786.47	59.71	35.79	-55.90	-959.50	1,461.69	1,065.89	1,008.40	57.49	18.540	
8,000.00	6,088.23	6,100.00	5,786.47	62.07	35.79	-55.90	-959.50	1,461.69	1,152.64	1,095.91	56.72	20.320	
8,100.00	6,087.51	6,075.15	5,762.62	64.45	35.77	-53.79	-965.70	1,464.90	1,240.69	1,185.02	55.67	22.286	
8,200.00	6,086.79	6,050.00	5,738.24	66.83	35.75	-51.72	-971.29	1,467.47	1,330.77	1,276.04	54.74	24.312	
8,300.00	6,086.07	6,050.00	5,738.24	69.24	35.75	-51.72	-971.29	1,467.47	1,421.56	1,367.27	54.30	26.181	
8,400.00	6,085.36	6,050.00	5,738.24	71.65	35.75	-51.72	-971.29	1,467.47	1,513.51	1,459.60	53.91	28.073	
8,500.00	6,084.64	6,050.00	5,738.24	74.07	35.75	-51.72	-971.29	1,467.47	1,606.43	1,552.85	53.58	29.983	
8,600.00	6,083.92	6,050.00	5,738.24	76.50	35.75	-51.72	-971.29	1,467.47	1,700.14	1,646.86	53.29	31.906	
8,700.00	6,083.20	6,050.00	5,738.24	78.94	35.75	-51.72	-971.29	1,467.47	1,794.54	1,741.51	53.03	33.841	
8,800.00	6,082.48	6,028.52	5,717.24	81.39	35.73	-50.01	-975.51	1,469.12	1,889.04	1,836.48	52.55	35.945	
8,900.00	6,081.76	6,023.89	5,712.70	83.84	35.72	-49.65	-976.36	1,469.42	1,984.28	1,931.97	52.31	37.931	
9,000.00	6,081.04	6,019.61	5,708.49	86.30	35.72	-49.32	-977.12	1,469.66	2,079.94	2,027.84	52.10	39.920	
9,100.00	6,080.32	6,000.00	5,689.17	88.76	35.70	-47.84	-980.33	1,470.55	2,176.20	2,124.45	51.75	42.051	
9,200.00	6,079.61	6,000.00	5,689.17	91.23	35.70	-47.84	-980.33	1,470.55	2,272.42	2,220.79	51.63	44.011	
9,300.00	6,078.89	6,000.00	5,689.17	93.71	35.70	-47.84	-980.33	1,470.55	2,368.96	2,317.43	51.53	45.973	
9,400.00	6,078.17	6,000.00	5,689.17	96.19	35.70	-47.84	-980.33	1,470.55	2,465.78	2,414.34	51.44	47.937	
9,500.00	6,077.45	6,000.00	5,689.17	98.67	35.70	-47.84	-980.33	1,470.55	2,562.84	2,511.48	51.36	49.901	
9,600.00	6,076.73	6,000.00	5,689.17	101.16	35.70	-47.84	-980.33	1,470.55	2,660.11	2,608.83	51.29	51.867	
9,700.00	6,076.01	6,000.00	5,689.17	103.65	35.70	-47.84	-980.33	1,470.55	2,757.59	2,706.36	51.23	53.832	
9,800.00	6,075.29	6,000.00	5,689.17	106.14	35.70	-47.84	-980.33	1,470.55	2,855.23	2,804.06	51.17	55.796	
9,900.00	6,074.58	6,000.00	5,689.17	108.64	35.70	-47.84	-980.33	1,470.55	2,953.04	2,901.91	51.13	57.760	
10,000.00	6,073.86	6,000.00	5,689.17	111.14	35.70	-47.84	-980.33	1,470.55	3,050.98	2,999.90	51.09	59.722	
10,100.00	6,073.14	6,000.00	5,689.17	113.64	35.70	-47.84	-980.33	1,470.55	3,149.06	3,098.01	51.05	61.682	
10,200.00	6,072.42	6,000.00	5,689.17	116.14	35.70	-47.84	-980.33	1,470.55	3,247.25	3,196.23	51.03	63.640	
10,300.00	6,071.70	6,000.00	5,689.17	118.65	35.70	-47.84	-980.33	1,470.55	3,345.55	3,294.55	51.00	65.596	
10,400.00	6,070.98	6,000.00	5,689.17	121.16	35.70	-47.84	-980.33	1,470.55	3,443.95	3,392.97	50.98	67.550	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 01H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,500.00	6,070.26	6,000.00	5,689.17	123.67	35.70	-47.84	-980.33	1,470.55	3,542.44	3,491.47	50.97	69.500	
10,600.00	6,069.54	5,978.20	5,667.60	126.18	35.67	-46.25	-983.41	1,471.05	3,640.57	3,589.78	50.79	71.674	
10,700.00	6,068.83	5,976.62	5,666.03	128.70	35.66	-46.14	-983.61	1,471.07	3,739.16	3,688.38	50.78	73.637	
10,800.00	6,068.11	5,975.11	5,664.53	131.22	35.66	-46.03	-983.80	1,471.08	3,837.81	3,787.04	50.77	75.596	
10,900.00	6,067.39	5,973.66	5,663.09	133.73	35.66	-45.92	-983.98	1,471.09	3,936.52	3,885.76	50.76	77.551	
11,000.00	6,066.67	5,972.27	5,661.72	136.25	35.66	-45.83	-984.15	1,471.10	4,035.30	3,984.54	50.76	79.502	
11,100.00	6,065.95	5,950.00	5,639.58	138.77	35.63	-44.29	-986.59	1,470.93	4,134.52	4,083.92	50.61	81.698	
11,200.00	6,065.23	5,950.00	5,639.58	141.30	35.63	-44.29	-986.59	1,470.93	4,233.36	4,182.74	50.62	83.627	
11,300.00	6,064.51	5,950.00	5,639.58	143.82	35.63	-44.29	-986.59	1,470.93	4,332.25	4,281.61	50.64	85.552	
11,400.00	6,063.80	5,950.00	5,639.58	146.35	35.63	-44.29	-986.59	1,470.93	4,431.19	4,380.53	50.66	87.472	
11,500.00	6,063.08	5,950.00	5,639.58	148.87	35.63	-44.29	-986.59	1,470.93	4,530.17	4,479.49	50.68	89.389	
11,600.00	6,062.36	5,950.00	5,639.58	151.40	35.63	-44.29	-986.59	1,470.93	4,629.20	4,578.50	50.70	91.301	
11,700.00	6,061.64	5,950.00	5,639.58	153.93	35.63	-44.29	-986.59	1,470.93	4,728.27	4,677.54	50.73	93.208	
11,800.00	6,060.92	5,950.00	5,639.58	156.46	35.63	-44.29	-986.59	1,470.93	4,827.38	4,776.63	50.76	95.111	
11,900.00	6,060.20	5,950.00	5,639.58	158.99	35.63	-44.29	-986.59	1,470.93	4,926.52	4,875.74	50.78	97.010	
12,000.00	6,059.48	5,950.00	5,639.58	161.52	35.63	-44.29	-986.59	1,470.93	5,025.70	4,974.89	50.81	98.903	
12,100.00	6,058.77	5,950.00	5,639.58	164.05	35.63	-44.29	-986.59	1,470.93	5,124.91	5,074.07	50.85	100.792	
12,200.00	6,058.05	5,950.00	5,639.58	166.58	35.63	-44.29	-986.59	1,470.93	5,224.15	5,173.27	50.88	102.675	
12,300.00	6,057.33	5,950.00	5,639.58	169.11	35.63	-44.29	-986.59	1,470.93	5,323.42	5,272.51	50.92	104.554	
12,400.00	6,056.61	5,950.00	5,639.58	171.65	35.63	-44.29	-986.59	1,470.93	5,422.72	5,371.76	50.95	106.427	
12,500.00	6,055.89	5,950.00	5,639.58	174.18	35.63	-44.29	-986.59	1,470.93	5,522.04	5,471.05	50.99	108.295	
12,600.00	6,055.17	5,950.00	5,639.58	176.72	35.63	-44.29	-986.59	1,470.93	5,621.38	5,570.35	51.03	110.158	
12,700.00	6,054.45	5,950.00	5,639.58	179.25	35.63	-44.29	-986.59	1,470.93	5,720.75	5,669.68	51.07	112.016	
12,800.00	6,053.73	5,950.00	5,639.58	181.79	35.63	-44.29	-986.59	1,470.93	5,820.14	5,769.03	51.11	113.868	
12,900.00	6,053.02	5,950.00	5,639.58	184.33	35.63	-44.29	-986.59	1,470.93	5,919.55	5,868.39	51.16	115.715	
13,000.00	6,052.30	5,950.00	5,639.58	186.87	35.63	-44.29	-986.59	1,470.93	6,018.98	5,967.78	51.20	117.556	
13,100.00	6,051.58	5,950.00	5,639.58	189.40	35.63	-44.29	-986.59	1,470.93	6,118.43	6,067.18	51.25	119.391	
13,200.00	6,050.86	5,950.00	5,639.58	191.94	35.63	-44.29	-986.59	1,470.93	6,217.89	6,166.60	51.29	121.221	
13,300.00	6,050.14	5,950.00	5,639.58	194.48	35.63	-44.29	-986.59	1,470.93	6,317.38	6,266.04	51.34	123.045	
13,400.00	6,049.42	5,950.00	5,639.58	197.02	35.63	-44.29	-986.59	1,470.93	6,416.88	6,365.48	51.39	124.864	
13,500.00	6,048.70	5,950.00	5,639.58	199.56	35.63	-44.29	-986.59	1,470.93	6,516.39	6,464.95	51.44	126.677	
13,600.00	6,047.99	5,950.00	5,639.58	202.10	35.63	-44.29	-986.59	1,470.93	6,615.92	6,564.43	51.49	128.483	
13,700.00	6,047.27	5,950.00	5,639.58	204.65	35.63	-44.29	-986.59	1,470.93	6,715.46	6,663.92	51.54	130.284	
13,800.00	6,046.55	5,950.00	5,639.58	207.19	35.63	-44.29	-986.59	1,470.93	6,815.02	6,763.42	51.60	132.079	
13,900.00	6,045.83	5,950.00	5,639.58	209.73	35.63	-44.29	-986.59	1,470.93	6,914.59	6,862.93	51.65	133.868	
14,000.00	6,045.11	5,950.00	5,639.58	212.27	35.63	-44.29	-986.59	1,470.93	7,014.17	6,962.46	51.71	135.651	
14,100.00	6,044.39	5,950.00	5,639.58	214.82	35.63	-44.29	-986.59	1,470.93	7,113.76	7,062.00	51.76	137.429	
14,200.00	6,043.67	5,950.00	5,639.58	217.36	35.63	-44.29	-986.59	1,470.93	7,213.37	7,161.55	51.82	139.199	
14,300.00	6,042.95	5,950.00	5,639.58	219.90	35.63	-44.29	-986.59	1,470.93	7,312.98	7,261.10	51.88	140.964	
14,400.00	6,042.24	5,950.00	5,639.58	222.45	35.63	-44.29	-986.59	1,470.93	7,412.61	7,360.67	51.94	142.723	
14,500.00	6,041.52	5,950.00	5,639.58	224.99	35.63	-44.29	-986.59	1,470.93	7,512.24	7,460.24	52.00	144.476	
14,600.00	6,040.80	5,950.00	5,639.58	227.54	35.63	-44.29	-986.59	1,470.93	7,611.89	7,559.83	52.06	146.222	
14,700.00	6,040.08	5,950.00	5,639.58	230.08	35.63	-44.29	-986.59	1,470.93	7,711.54	7,659.42	52.12	147.962	
14,711.15	6,040.00	5,950.00	5,639.58	230.36	35.63	-44.29	-986.59	1,470.93	7,722.65	7,670.52	52.13	148.156	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 03H - Original Drilling - APD Rev 2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-59.32	30.58	-51.54	59.93				
100.00	100.00	100.00	100.00	0.15	0.15	-59.32	30.58	-51.54	59.93	59.62	0.31	194.395	
200.00	200.00	200.00	200.00	0.51	0.51	-59.32	30.58	-51.54	59.93	58.90	1.03	58.454	
300.00	300.00	300.00	300.00	0.87	0.87	-59.32	30.58	-51.54	59.93	58.19	1.74	34.399	
400.00	400.00	400.00	400.00	1.23	1.23	-59.32	30.58	-51.54	59.93	57.47	2.46	24.370	
500.00	500.00	501.57	501.55	1.59	1.58	-60.47	28.87	-50.97	58.60	55.43	3.17	18.510	
600.00	599.98	602.98	602.81	1.93	1.92	155.03	23.76	-49.26	56.34	52.49	3.85	14.640	
700.00	699.84	704.22	703.65	2.27	2.28	150.77	15.28	-46.41	54.96	50.43	4.53	12.128	
770.28	769.88	775.27	774.20	2.52	2.53	147.08	7.31	-43.74	54.65	49.63	5.03	10.871	CC
800.00	799.45	805.29	803.94	2.62	2.64	145.37	3.44	-42.45	54.71	49.47	5.24	10.447	
841.97	841.16	847.65	845.83	2.77	2.80	142.83	-2.51	-40.45	55.01	49.46	5.54	9.922	
900.00	898.78	906.12	903.50	2.98	3.03	138.74	-11.70	-37.37	55.41	49.43	5.97	9.276	
1,000.00	998.06	1,006.51	1,001.99	3.35	3.44	129.29	-30.07	-31.22	55.75	49.00	6.75	8.257	ES
1,100.00	1,097.35	1,106.20	1,099.07	3.72	3.87	116.83	-51.54	-24.02	57.02	49.45	7.58	7.527	
1,200.00	1,196.64	1,204.96	1,194.41	4.10	4.32	102.35	-75.95	-15.84	61.18	52.77	8.41	7.271	SF
1,300.00	1,295.93	1,302.57	1,287.72	4.49	4.80	87.87	-103.12	-6.74	69.93	60.72	9.21	7.595	
1,400.00	1,395.22	1,398.84	1,378.73	4.87	5.31	75.30	-132.86	3.23	84.02	74.10	9.92	8.466	
1,500.00	1,494.51	1,493.99	1,467.61	5.26	5.85	65.33	-165.04	14.01	103.28	92.69	10.59	9.752	
1,600.00	1,593.79	1,590.46	1,557.34	5.65	6.41	58.14	-198.63	25.27	125.57	114.29	11.29	11.125	
1,700.00	1,693.08	1,686.92	1,647.06	6.04	6.99	53.14	-232.22	36.52	149.20	137.20	12.00	12.431	
1,800.00	1,792.37	1,783.38	1,736.79	6.43	7.58	49.51	-265.80	47.77	173.61	160.88	12.73	13.636	
1,900.00	1,891.66	1,879.84	1,826.51	6.82	8.17	46.77	-299.39	59.03	198.53	185.05	13.47	14.735	
2,000.00	1,990.95	1,976.31	1,916.23	7.22	8.77	44.65	-332.98	70.28	223.77	209.55	14.22	15.734	
2,100.00	2,090.24	2,072.77	2,005.96	7.61	9.38	42.95	-366.56	81.54	249.25	234.27	14.98	16.640	
2,200.00	2,189.52	2,169.23	2,095.68	8.01	9.98	41.57	-400.15	92.79	274.89	259.15	15.74	17.464	
2,300.00	2,288.81	2,265.69	2,185.40	8.40	10.59	40.42	-433.74	104.05	300.66	284.15	16.51	18.214	
2,400.00	2,388.10	2,362.16	2,275.13	8.80	11.21	39.46	-467.32	115.30	326.52	309.25	17.28	18.900	
2,500.00	2,487.39	2,458.62	2,364.85	9.19	11.82	38.64	-500.91	126.56	352.46	334.41	18.05	19.528	
2,600.00	2,586.68	2,555.08	2,454.57	9.59	12.44	37.92	-534.50	137.81	378.46	359.63	18.82	20.106	
2,700.00	2,685.97	2,651.55	2,544.30	9.98	13.06	37.31	-568.08	149.06	404.50	384.90	19.60	20.637	
2,800.00	2,785.25	2,748.01	2,634.02	10.38	13.68	36.76	-601.67	160.32	430.58	410.20	20.38	21.129	
2,900.00	2,884.54	2,844.47	2,723.75	10.78	14.30	36.28	-635.26	171.57	456.69	435.54	21.16	21.584	
3,000.00	2,983.83	2,940.93	2,813.47	11.17	14.92	35.85	-668.84	182.83	482.84	460.89	21.94	22.007	
3,100.00	3,083.12	3,037.40	2,903.19	11.57	15.55	35.46	-702.43	194.08	509.00	486.28	22.72	22.400	
3,200.00	3,182.41	3,133.86	2,992.92	11.97	16.17	35.11	-736.01	205.34	535.18	511.68	23.51	22.767	
3,300.00	3,281.70	3,230.32	3,082.64	12.36	16.80	34.80	-769.60	216.59	561.38	537.09	24.29	23.111	
3,400.00	3,380.99	3,326.78	3,172.36	12.76	17.42	34.51	-803.19	227.85	587.60	562.52	25.08	23.432	
3,500.00	3,480.27	3,423.25	3,262.09	13.16	18.05	34.25	-836.77	239.10	613.82	587.96	25.86	23.734	
3,600.00	3,579.56	3,519.71	3,351.81	13.55	18.67	34.00	-870.36	250.35	640.06	613.41	26.65	24.018	
3,700.00	3,678.85	3,616.17	3,441.53	13.95	19.30	33.78	-903.95	261.61	666.31	638.87	27.44	24.286	
3,800.00	3,778.14	3,712.63	3,531.26	14.35	19.93	33.58	-937.53	272.86	692.57	664.34	28.22	24.538	
3,900.00	3,877.43	3,809.10	3,620.98	14.75	20.56	33.39	-971.12	284.12	718.83	689.82	29.01	24.776	
4,000.00	3,976.72	3,905.56	3,710.71	15.14	21.18	33.21	-1,004.71	295.37	745.10	715.30	29.80	25.002	
4,100.00	4,076.00	4,002.02	3,800.43	15.54	21.81	33.04	-1,038.29	306.63	771.38	740.79	30.59	25.216	
4,200.00	4,175.29	4,098.49	3,890.15	15.94	22.44	32.89	-1,071.88	317.88	797.66	766.28	31.38	25.419	
4,300.00	4,274.58	4,194.95	3,979.88	16.34	23.07	32.74	-1,105.47	329.14	823.95	791.78	32.17	25.612	
4,400.00	4,373.87	4,291.41	4,069.60	16.73	23.70	32.61	-1,139.05	340.39	850.24	817.28	32.96	25.795	
4,500.00	4,473.16	4,387.87	4,159.32	17.13	24.33	32.48	-1,172.64	351.64	876.54	842.79	33.75	25.970	
4,600.00	4,572.45	4,484.34	4,249.05	17.53	24.96	32.36	-1,206.23	362.90	902.84	868.30	34.54	26.137	
4,700.00	4,671.73	4,580.80	4,338.77	17.93	25.59	32.25	-1,239.81	374.15	929.14	893.81	35.33	26.296	
4,800.00	4,771.02	4,677.26	4,428.49	18.33	26.22	32.14	-1,273.40	385.41	955.45	919.32	36.13	26.448	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 03H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,870.31	4,773.72	4,518.22	18.72	26.85	32.04	-1,306.99	396.66	981.76	944.84	36.92	26.593	
5,000.00	4,969.60	4,870.19	4,607.94	19.12	27.48	31.94	-1,340.57	407.92	1,008.07	970.36	37.71	26.732	
5,100.00	5,068.89	4,966.65	4,697.66	19.52	28.11	31.85	-1,374.16	419.17	1,034.39	995.89	38.50	26.865	
5,200.00	5,168.18	5,063.11	4,787.39	19.92	28.74	31.77	-1,407.75	430.43	1,060.71	1,021.41	39.30	26.993	
5,300.00	5,267.46	5,159.57	4,877.11	20.32	29.37	31.68	-1,441.33	441.68	1,087.03	1,046.94	40.09	27.116	
5,400.00	5,366.75	5,256.04	4,966.84	20.72	30.01	31.60	-1,474.92	452.93	1,113.35	1,072.47	40.88	27.234	
5,500.00	5,466.04	7,269.70	6,223.45	21.11	39.65	90.46	-1,042.58	-252.64	1,138.89	1,093.27	45.63	24.961	
5,572.42	5,537.95	7,261.62	6,223.39	21.40	39.55	89.92	-1,048.42	-247.04	1,091.73	1,044.34	47.39	23.036	
5,600.00	5,565.25	7,257.94	6,223.37	21.51	39.51	92.99	-1,051.07	-244.50	1,074.54	1,026.46	48.08	22.350	
5,650.00	5,614.22	7,248.28	6,223.30	21.74	39.39	96.86	-1,058.05	-237.82	1,044.77	995.45	49.31	21.186	
5,700.00	5,662.26	7,234.80	6,223.21	21.98	39.22	99.58	-1,067.78	-228.49	1,016.98	966.46	50.52	20.128	
5,750.00	5,709.07	7,217.59	6,223.09	22.25	39.01	101.52	-1,080.21	-216.58	991.38	939.69	51.69	19.179	
5,800.00	5,754.35	7,196.74	6,222.94	22.54	38.76	102.85	-1,095.25	-202.16	968.10	915.30	52.80	18.335	
5,850.00	5,797.84	7,172.40	6,222.78	22.86	38.50	103.67	-1,112.83	-185.31	947.23	893.37	53.86	17.587	
5,900.00	5,839.25	7,144.70	6,222.58	23.20	38.20	104.06	-1,132.82	-166.15	928.79	873.95	54.84	16.937	
5,950.00	5,878.35	7,113.83	6,222.37	23.57	37.86	104.09	-1,155.11	-144.79	912.75	857.03	55.72	16.380	
6,000.00	5,914.88	7,079.97	6,222.14	23.98	37.53	103.83	-1,179.56	-121.36	899.03	842.49	56.54	15.901	
6,050.00	5,948.62	7,043.32	6,221.88	24.42	37.19	103.34	-1,206.01	-96.00	887.48	830.20	57.28	15.493	
6,100.00	5,979.36	7,004.12	6,221.61	24.90	36.83	102.67	-1,234.31	-68.88	877.94	820.00	57.94	15.153	
6,150.00	6,006.91	6,962.61	6,221.32	25.42	36.51	101.91	-1,264.28	-40.16	870.20	811.63	58.57	14.858	
6,200.00	6,031.11	6,919.04	6,221.02	25.99	36.18	101.10	-1,295.73	-10.01	864.05	804.91	59.14	14.610	
6,250.00	6,051.81	6,834.63	6,215.27	26.60	35.64	99.01	-1,355.89	48.85	858.28	799.22	59.06	14.532	
6,300.00	6,068.86	6,755.91	6,200.07	27.25	35.22	96.91	-1,409.88	104.01	851.86	792.62	59.24	14.381	
6,350.00	6,082.18	6,684.61	6,178.30	27.95	34.93	94.91	-1,456.32	153.48	845.11	785.44	59.68	14.162	
6,400.00	6,091.68	6,619.60	6,152.05	28.68	34.73	93.02	-1,496.12	197.63	838.32	778.02	60.30	13.903	
6,450.00	6,097.30	6,559.87	6,122.79	29.45	34.58	91.22	-1,530.17	237.00	831.69	770.65	61.04	13.625	
6,501.30	6,099.00	6,503.15	6,090.68	30.27	34.49	89.47	-1,560.00	272.98	825.21	763.30	61.91	13.329	
6,600.00	6,098.29	6,410.33	6,029.77	31.92	34.39	85.19	-1,602.91	328.18	814.53	750.75	63.78	12.771	
6,700.00	6,097.57	6,337.88	5,975.71	33.71	34.35	81.34	-1,630.83	367.45	808.71	742.93	65.78	12.295	
6,730.91	6,097.35	6,319.02	5,960.80	34.29	34.34	80.27	-1,637.24	377.05	808.33	741.95	66.38	12.177	
6,800.00	6,096.85	6,281.77	5,930.41	35.59	34.33	78.10	-1,648.83	395.19	810.34	742.71	67.63	11.982	
6,900.00	6,096.13	6,237.67	5,892.94	37.55	34.31	75.43	-1,660.65	415.21	820.89	751.71	69.18	11.866	
7,000.00	6,095.42	6,200.00	5,859.79	39.58	34.29	73.08	-1,669.09	430.98	840.97	770.69	70.28	11.965	
7,100.00	6,094.70	6,173.74	5,836.13	41.67	34.28	71.42	-1,674.04	441.22	870.53	799.48	71.04	12.254	
7,200.00	6,093.98	6,150.00	5,814.38	43.81	34.26	69.90	-1,677.86	449.93	909.04	837.68	71.36	12.739	
7,300.00	6,093.26	6,130.22	5,796.02	45.99	34.25	68.64	-1,680.55	456.77	955.68	884.34	71.34	13.396	
7,400.00	6,092.54	6,113.39	5,780.24	48.21	34.23	67.56	-1,682.50	462.30	1,009.50	938.43	71.07	14.204	
7,500.00	6,091.82	6,100.00	5,767.59	50.46	34.22	66.70	-1,683.82	466.50	1,069.53	998.89	70.65	15.139	
7,600.00	6,091.10	6,100.00	5,767.59	52.74	34.22	66.70	-1,683.82	466.50	1,135.06	1,064.74	70.32	16.141	
7,700.00	6,090.39	6,075.50	5,744.26	55.04	34.20	65.13	-1,685.70	473.72	1,204.74	1,135.28	69.46	17.344	
7,800.00	6,089.67	6,065.86	5,735.01	57.36	34.19	64.51	-1,686.25	476.40	1,278.40	1,209.58	68.83	18.575	
7,900.00	6,088.95	6,050.00	5,719.74	59.71	34.17	63.50	-1,686.92	480.60	1,355.35	1,287.28	68.07	19.912	
8,000.00	6,088.23	6,050.00	5,719.74	62.07	34.17	63.50	-1,686.92	480.60	1,434.91	1,367.33	67.58	21.231	
8,100.00	6,087.51	6,050.00	5,719.74	64.45	34.17	63.50	-1,686.92	480.60	1,516.90	1,449.79	67.11	22.604	
8,200.00	6,086.79	6,050.00	5,719.74	66.83	34.17	63.50	-1,686.92	480.60	1,600.93	1,534.29	66.64	24.023	
8,300.00	6,086.07	6,030.98	5,701.31	69.24	34.14	62.30	-1,687.35	485.29	1,686.35	1,620.44	65.91	25.585	
8,400.00	6,085.36	6,025.85	5,696.33	71.65	34.14	61.97	-1,687.40	486.50	1,773.40	1,707.98	65.43	27.106	
8,500.00	6,084.64	6,021.16	5,691.76	74.07	34.13	61.68	-1,687.41	487.57	1,861.71	1,796.74	64.97	28.654	
8,600.00	6,083.92	6,000.00	5,671.10	76.50	34.10	60.36	-1,687.16	492.14	1,951.39	1,887.08	64.31	30.343	
8,700.00	6,083.20	6,000.00	5,671.10	78.94	34.10	60.36	-1,687.16	492.14	2,041.62	1,977.64	63.99	31.907	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 03H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,800.00	6,082.48	6,000.00	5,671.10	81.39	34.10	60.36	-1,687.16	492.14	2,132.73	2,069.05	63.68	33.490	
8,900.00	6,081.76	6,000.00	5,671.10	83.84	34.10	60.36	-1,687.16	492.14	2,224.60	2,161.20	63.40	35.090	
9,000.00	6,081.04	6,000.00	5,671.10	86.30	34.10	60.36	-1,687.16	492.14	2,317.14	2,254.01	63.13	36.703	
9,100.00	6,080.32	6,000.00	5,671.10	88.76	34.10	60.36	-1,687.16	492.14	2,410.28	2,347.40	62.88	38.329	
9,200.00	6,079.61	6,000.00	5,671.10	91.23	34.10	60.36	-1,687.16	492.14	2,503.95	2,441.30	62.65	39.965	
9,300.00	6,078.89	6,000.00	5,671.10	93.71	34.10	60.36	-1,687.16	492.14	2,598.09	2,535.65	62.44	41.610	
9,400.00	6,078.17	6,000.00	5,671.10	96.19	34.10	60.36	-1,687.16	492.14	2,692.66	2,630.42	62.24	43.263	
9,500.00	6,077.45	6,000.00	5,671.10	98.67	34.10	60.36	-1,687.16	492.14	2,787.60	2,725.55	62.05	44.923	
9,600.00	6,076.73	6,000.00	5,671.10	101.16	34.10	60.36	-1,687.16	492.14	2,882.89	2,821.01	61.88	46.589	
9,700.00	6,076.01	6,000.00	5,671.10	103.65	34.10	60.36	-1,687.16	492.14	2,978.48	2,916.76	61.72	48.260	
9,800.00	6,075.29	6,000.00	5,671.10	106.14	34.10	60.36	-1,687.16	492.14	3,074.35	3,012.79	61.57	49.935	
9,900.00	6,074.58	6,000.00	5,671.10	108.64	34.10	60.36	-1,687.16	492.14	3,170.48	3,109.06	61.43	51.614	
10,000.00	6,073.86	6,000.00	5,671.10	111.14	34.10	60.36	-1,687.16	492.14	3,266.84	3,205.55	61.30	53.296	
10,100.00	6,073.14	5,978.50	5,650.02	113.64	34.06	59.03	-1,686.38	496.29	3,363.00	3,302.05	60.95	55.180	
10,200.00	6,072.42	5,976.95	5,648.50	116.14	34.06	58.94	-1,686.30	496.57	3,459.70	3,398.88	60.82	56.884	
10,300.00	6,071.70	5,975.49	5,647.06	118.65	34.05	58.85	-1,686.23	496.83	3,556.59	3,495.89	60.70	58.590	
10,400.00	6,070.98	5,974.09	5,645.69	121.16	34.05	58.77	-1,686.16	497.08	3,653.64	3,593.05	60.59	60.296	
10,500.00	6,070.26	5,972.76	5,644.38	123.67	34.05	58.68	-1,686.08	497.32	3,750.84	3,690.35	60.49	62.003	
10,600.00	6,069.54	5,971.48	5,643.13	126.18	34.05	58.61	-1,686.01	497.54	3,848.18	3,787.78	60.40	63.711	
10,700.00	6,068.83	5,950.00	5,621.98	128.70	34.01	57.31	-1,684.53	501.04	3,946.02	3,885.91	60.11	65.647	
10,800.00	6,068.11	5,950.00	5,621.98	131.22	34.01	57.31	-1,684.53	501.04	4,043.58	3,983.53	60.04	67.344	
10,900.00	6,067.39	5,950.00	5,621.98	133.73	34.01	57.31	-1,684.53	501.04	4,141.24	4,081.26	59.98	69.041	
11,000.00	6,066.67	5,950.00	5,621.98	136.25	34.01	57.31	-1,684.53	501.04	4,239.02	4,179.09	59.93	70.737	
11,100.00	6,065.95	5,950.00	5,621.98	138.77	34.01	57.31	-1,684.53	501.04	4,336.90	4,277.02	59.88	72.432	
11,200.00	6,065.23	5,950.00	5,621.98	141.30	34.01	57.31	-1,684.53	501.04	4,434.87	4,375.04	59.83	74.127	
11,300.00	6,064.51	5,950.00	5,621.98	143.82	34.01	57.31	-1,684.53	501.04	4,532.93	4,473.15	59.79	75.820	
11,400.00	6,063.80	5,950.00	5,621.98	146.35	34.01	57.31	-1,684.53	501.04	4,631.08	4,571.33	59.75	77.512	
11,500.00	6,063.08	5,950.00	5,621.98	148.87	34.01	57.31	-1,684.53	501.04	4,729.30	4,669.59	59.71	79.203	
11,600.00	6,062.36	5,950.00	5,621.98	151.40	34.01	57.31	-1,684.53	501.04	4,827.60	4,767.92	59.68	80.892	
11,700.00	6,061.64	5,950.00	5,621.98	153.93	34.01	57.31	-1,684.53	501.04	4,925.96	4,866.31	59.65	82.579	
11,800.00	6,060.92	5,950.00	5,621.98	156.46	34.01	57.31	-1,684.53	501.04	5,024.39	4,964.76	59.63	84.264	
11,900.00	6,060.20	5,950.00	5,621.98	158.99	34.01	57.31	-1,684.53	501.04	5,122.88	5,063.27	59.61	85.947	
12,000.00	6,059.48	5,950.00	5,621.98	161.52	34.01	57.31	-1,684.53	501.04	5,221.42	5,161.84	59.59	87.627	
12,100.00	6,058.77	5,950.00	5,621.98	164.05	34.01	57.31	-1,684.53	501.04	5,320.02	5,260.45	59.57	89.306	
12,200.00	6,058.05	5,950.00	5,621.98	166.58	34.01	57.31	-1,684.53	501.04	5,418.68	5,359.12	59.56	90.982	
12,300.00	6,057.33	5,950.00	5,621.98	169.11	34.01	57.31	-1,684.53	501.04	5,517.38	5,457.83	59.55	92.655	
12,400.00	6,056.61	5,950.00	5,621.98	171.65	34.01	57.31	-1,684.53	501.04	5,616.12	5,556.58	59.54	94.326	
12,500.00	6,055.89	5,950.00	5,621.98	174.18	34.01	57.31	-1,684.53	501.04	5,714.91	5,655.38	59.53	95.994	
12,600.00	6,055.17	5,950.00	5,621.98	176.72	34.01	57.31	-1,684.53	501.04	5,813.75	5,754.22	59.53	97.659	
12,700.00	6,054.45	5,950.00	5,621.98	179.25	34.01	57.31	-1,684.53	501.04	5,912.62	5,853.09	59.53	99.321	
12,800.00	6,053.73	5,950.00	5,621.98	181.79	34.01	57.31	-1,684.53	501.04	6,011.53	5,951.99	59.53	100.980	
12,900.00	6,053.02	5,950.00	5,621.98	184.33	34.01	57.31	-1,684.53	501.04	6,110.47	6,050.93	59.54	102.636	
13,000.00	6,052.30	5,950.00	5,621.98	186.87	34.01	57.31	-1,684.53	501.04	6,209.45	6,149.91	59.54	104.289	
13,100.00	6,051.58	5,950.00	5,621.98	189.40	34.01	57.31	-1,684.53	501.04	6,308.46	6,248.91	59.55	105.939	
13,200.00	6,050.86	5,950.00	5,621.98	191.94	34.01	57.31	-1,684.53	501.04	6,407.50	6,347.94	59.56	107.585	
13,300.00	6,050.14	5,950.00	5,621.98	194.48	34.01	57.31	-1,684.53	501.04	6,506.57	6,447.00	59.57	109.228	
13,400.00	6,049.42	5,950.00	5,621.98	197.02	34.01	57.31	-1,684.53	501.04	6,605.67	6,546.08	59.58	110.867	
13,500.00	6,048.70	5,950.00	5,621.98	199.56	34.01	57.31	-1,684.53	501.04	6,704.79	6,645.19	59.60	112.503	
13,600.00	6,047.99	5,950.00	5,621.98	202.10	34.01	57.31	-1,684.53	501.04	6,803.94	6,744.33	59.61	114.135	
13,700.00	6,047.27	5,950.00	5,621.98	204.65	34.01	57.31	-1,684.53	501.04	6,903.12	6,843.48	59.63	115.764	
13,800.00	6,046.55	5,950.00	5,621.98	207.19	34.01	57.31	-1,684.53	501.04	7,002.31	6,942.66	59.65	117.388	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 03H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	6,045.83	5,950.00	5,621.98	209.73	34.01	57.31	-1,684.53	501.04	7,101.54	7,041.86	59.67	119.010	
14,000.00	6,045.11	5,950.00	5,621.98	212.27	34.01	57.31	-1,684.53	501.04	7,200.78	7,141.08	59.69	120.627	
14,100.00	6,044.39	5,950.00	5,621.98	214.82	34.01	57.31	-1,684.53	501.04	7,300.04	7,240.32	59.72	122.240	
14,200.00	6,043.67	5,950.00	5,621.98	217.36	34.01	57.31	-1,684.53	501.04	7,399.32	7,339.58	59.74	123.850	
14,300.00	6,042.95	5,950.00	5,621.98	219.90	34.01	57.31	-1,684.53	501.04	7,498.63	7,438.85	59.77	125.455	
14,400.00	6,042.24	5,950.00	5,621.98	222.45	34.01	57.31	-1,684.53	501.04	7,597.95	7,538.15	59.80	127.057	
14,500.00	6,041.52	5,950.00	5,621.98	224.99	34.01	57.31	-1,684.53	501.04	7,697.28	7,637.45	59.83	128.655	
14,600.00	6,040.80	5,950.00	5,621.98	227.54	34.01	57.31	-1,684.53	501.04	7,796.64	7,736.78	59.86	130.248	
14,700.00	6,040.08	5,950.00	5,621.98	230.08	34.01	57.31	-1,684.53	501.04	7,896.01	7,836.12	59.89	131.837	
14,711.15	6,040.00	5,950.00	5,621.98	230.36	34.01	57.31	-1,684.53	501.04	7,907.09	7,847.19	59.90	132.014	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 04H - Original Drilling - APD Rev 2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-59.18	10.19	-17.08	19.89				
100.00	100.00	100.00	100.00	0.15	0.15	-59.18	10.19	-17.08	19.89	19.58	0.31	64.514	
200.00	200.00	200.00	200.00	0.51	0.51	-59.18	10.19	-17.08	19.89	18.86	1.03	19.399	
300.00	300.00	300.00	300.00	0.87	0.87	-59.18	10.19	-17.08	19.89	18.15	1.74	11.416	
400.00	400.00	400.00	400.00	1.23	1.23	-59.18	10.19	-17.08	19.89	17.43	2.46	8.088	
500.00	500.00	500.47	500.47	1.59	1.58	-58.14	10.01	-16.10	18.97	15.79	3.17	5.981	
600.00	599.98	600.99	600.88	1.93	1.93	167.91	9.20	-11.77	16.66	12.80	3.86	4.319	
689.19	689.06	690.47	690.09	2.23	2.25	-176.24	7.94	-5.00	15.64	11.17	4.47	3.498	CC
700.00	699.84	701.29	700.86	2.27	2.29	-173.78	7.75	-3.99	15.66	11.11	4.54	3.445	ES
800.00	799.45	801.30	800.22	2.62	2.65	-149.70	5.67	7.18	18.16	12.90	5.26	3.451	
841.97	841.16	843.17	841.69	2.77	2.81	-140.92	4.61	12.87	20.58	15.01	5.58	3.691	
900.00	898.78	900.93	898.75	2.98	3.03	-130.36	2.97	21.70	24.79	18.78	6.01	4.126	
1,000.00	998.06	1,000.16	996.35	3.35	3.43	-115.01	-0.30	39.25	33.88	27.11	6.77	5.004	
1,100.00	1,097.35	1,099.38	1,093.83	3.72	3.84	-105.69	-3.69	57.44	44.61	37.07	7.54	5.919	
1,200.00	1,196.64	1,198.60	1,191.31	4.10	4.26	-100.07	-7.08	75.63	56.05	47.74	8.31	6.747	
1,300.00	1,295.93	1,297.83	1,288.80	4.49	4.69	-96.37	-10.46	93.81	67.84	58.76	9.08	7.468	
1,400.00	1,395.22	1,397.05	1,386.28	4.87	5.12	-93.77	-13.85	112.00	79.83	69.96	9.87	8.091	
1,500.00	1,494.51	1,496.27	1,483.76	5.26	5.55	-91.86	-17.24	130.19	91.94	81.29	10.65	8.631	
1,600.00	1,593.79	1,595.50	1,581.25	5.65	5.98	-90.39	-20.63	148.38	104.13	92.68	11.44	9.101	
1,700.00	1,693.08	1,694.72	1,678.73	6.04	6.42	-89.23	-24.01	166.57	116.37	104.13	12.23	9.513	
1,800.00	1,792.37	1,793.94	1,776.21	6.43	6.86	-88.29	-27.40	184.75	128.64	115.62	13.02	9.877	
1,900.00	1,891.66	1,893.17	1,873.70	6.82	7.30	-87.51	-30.79	202.94	140.95	127.13	13.82	10.199	
2,000.00	1,990.95	1,992.39	1,971.18	7.22	7.74	-86.86	-34.18	221.13	153.28	138.66	14.62	10.487	
2,100.00	2,090.24	2,091.61	2,068.66	7.61	8.18	-86.30	-37.56	239.32	165.62	150.21	15.41	10.746	
2,200.00	2,189.52	2,190.84	2,166.15	8.01	8.63	-85.83	-40.95	257.51	177.98	161.77	16.21	10.979	
2,300.00	2,288.81	2,290.06	2,263.63	8.40	9.07	-85.41	-44.34	275.70	190.34	173.34	17.01	11.190	
2,400.00	2,388.10	2,389.28	2,361.11	8.80	9.51	-85.05	-47.73	293.88	202.72	184.91	17.81	11.383	
2,500.00	2,487.39	2,488.51	2,458.60	9.19	9.96	-84.72	-51.11	312.07	215.10	196.49	18.61	11.559	
2,600.00	2,586.68	2,587.73	2,556.08	9.59	10.40	-84.44	-54.50	330.26	227.49	208.08	19.41	11.720	
2,700.00	2,685.97	2,686.95	2,653.56	9.98	10.85	-84.18	-57.89	348.45	239.89	219.68	20.21	11.868	
2,800.00	2,785.25	2,786.18	2,751.05	10.38	11.29	-83.95	-61.28	366.64	252.29	231.27	21.01	12.006	
2,900.00	2,884.54	2,885.40	2,848.53	10.78	11.74	-83.74	-64.66	384.83	264.69	242.87	21.82	12.133	
3,000.00	2,983.83	2,984.62	2,946.01	11.17	12.19	-83.54	-68.05	403.01	277.10	254.48	22.62	12.251	
3,100.00	3,083.12	3,083.85	3,043.50	11.57	12.63	-83.37	-71.44	421.20	289.50	266.08	23.42	12.360	
3,200.00	3,182.41	3,183.07	3,140.98	11.97	13.08	-83.21	-74.82	439.39	301.92	277.69	24.23	12.463	
3,300.00	3,281.70	3,282.29	3,238.46	12.36	13.53	-83.06	-78.21	457.58	314.33	289.30	25.03	12.559	
3,400.00	3,380.99	3,381.52	3,335.95	12.76	13.98	-82.92	-81.60	475.77	326.74	300.91	25.83	12.649	
3,500.00	3,480.27	3,480.74	3,433.43	13.16	14.42	-82.79	-84.99	493.95	339.16	312.52	26.64	12.733	
3,600.00	3,579.56	3,579.97	3,530.91	13.55	14.87	-82.68	-88.37	512.14	351.58	324.14	27.44	12.812	
3,700.00	3,678.85	3,679.19	3,628.40	13.95	15.32	-82.57	-91.76	530.33	364.00	335.75	28.25	12.887	
3,800.00	3,778.14	3,778.41	3,725.88	14.35	15.77	-82.46	-95.15	548.52	376.42	347.37	29.05	12.958	
3,900.00	3,877.43	3,877.64	3,823.36	14.75	16.21	-82.37	-98.54	566.71	388.84	358.99	29.85	13.025	
4,000.00	3,976.72	3,976.86	3,920.85	15.14	16.66	-82.28	-101.92	584.90	401.26	370.61	30.66	13.088	
4,100.00	4,076.00	4,076.08	4,018.33	15.54	17.11	-82.19	-105.31	603.08	413.69	382.22	31.46	13.148	
4,200.00	4,175.29	4,175.31	4,115.81	15.94	17.56	-82.11	-108.70	621.27	426.11	393.84	32.27	13.205	
4,300.00	4,274.58	4,274.53	4,213.30	16.34	18.01	-82.04	-112.09	639.46	438.54	405.46	33.07	13.259	
4,400.00	4,373.87	4,373.75	4,310.78	16.73	18.45	-81.97	-115.47	657.65	450.96	417.09	33.88	13.311	
4,500.00	4,473.16	4,472.98	4,408.26	17.13	18.90	-81.90	-118.86	675.84	463.39	428.71	34.69	13.360	
4,600.00	4,572.45	4,572.20	4,505.75	17.53	19.35	-81.84	-122.25	694.03	475.82	440.33	35.49	13.407	
4,700.00	4,671.73	4,671.42	4,603.23	17.93	19.80	-81.77	-125.64	712.21	488.25	451.95	36.30	13.452	
4,800.00	4,771.02	4,770.65	4,700.71	18.33	20.25	-81.72	-129.02	730.40	500.68	463.57	37.10	13.495	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 04H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,870.31	4,869.87	4,798.20	18.72	20.70	-81.66	-132.41	748.59	513.10	475.20	37.91	13.536	
5,000.00	4,969.60	4,969.09	4,895.68	19.12	21.15	-81.61	-135.80	766.78	525.53	486.82	38.71	13.575	
5,100.00	5,068.89	5,068.32	4,993.16	19.52	21.59	-81.56	-139.19	784.97	537.96	498.44	39.52	13.613	
5,200.00	5,168.18	5,167.54	5,090.65	19.92	22.04	-81.51	-142.57	803.16	550.39	510.07	40.33	13.649	
5,300.00	5,267.46	5,266.76	5,188.13	20.32	22.49	-81.47	-145.96	821.34	562.83	521.69	41.13	13.684	
5,400.00	5,366.75	5,365.99	5,285.61	20.72	22.94	-81.42	-149.35	839.53	575.26	533.32	41.94	13.717	
5,500.00	5,466.04	5,465.21	5,383.10	21.11	23.39	-81.38	-152.74	857.72	587.69	544.94	42.74	13.749	
5,572.42	5,537.95	5,537.07	5,453.70	21.40	23.72	-81.35	-155.19	870.89	596.69	553.36	43.33	13.772	
5,600.00	5,565.25	5,564.45	5,480.59	21.51	23.84	-79.76	-156.12	875.91	599.98	556.42	43.56	13.775	
5,650.00	5,614.22	5,614.01	5,529.29	21.74	24.06	-78.46	-157.82	885.00	605.21	561.21	44.01	13.753	
5,700.00	5,662.26	5,663.24	5,577.65	21.98	24.29	-78.17	-159.50	894.02	609.56	565.06	44.50	13.698	
5,750.00	5,709.07	5,711.82	5,625.38	22.25	24.51	-78.52	-161.16	902.92	613.12	568.09	45.03	13.615	
5,800.00	5,754.35	5,759.45	5,672.18	22.54	24.72	-79.34	-162.78	911.66	616.09	570.48	45.61	13.508	
5,850.00	5,797.84	5,803.77	5,715.69	22.86	24.92	-80.44	-164.44	919.92	618.72	572.52	46.20	13.391	
5,900.00	5,839.25	5,845.08	5,755.84	23.20	25.13	-81.54	-167.58	929.07	621.52	574.69	46.83	13.272	
5,950.00	5,878.35	5,887.32	5,796.24	23.57	25.36	-82.71	-172.79	940.23	624.59	577.07	47.52	13.144	
6,000.00	5,914.88	5,930.63	5,836.77	23.98	25.62	-83.94	-180.21	953.51	627.96	579.68	48.28	13.006	
6,050.00	5,948.62	5,975.11	5,877.29	24.42	25.91	-85.22	-189.98	969.03	631.64	582.52	49.12	12.859	
6,100.00	5,979.36	6,020.92	5,917.62	24.90	26.24	-86.55	-202.26	986.92	635.63	585.60	50.03	12.704	
6,150.00	6,006.91	6,068.21	5,957.56	25.42	26.60	-87.91	-217.25	1,007.32	639.93	588.91	51.02	12.542	
6,200.00	6,031.11	6,117.17	5,996.84	25.99	27.01	-89.31	-235.15	1,030.39	644.52	592.43	52.08	12.375	
6,250.00	6,051.81	6,167.98	6,035.16	26.60	27.47	-90.73	-256.17	1,056.29	649.35	596.14	53.21	12.203	
6,300.00	6,068.86	6,220.87	6,072.12	27.25	27.99	-92.19	-280.55	1,085.18	654.39	599.99	54.41	12.028	
6,350.00	6,082.18	6,276.05	6,107.24	27.95	28.58	-93.66	-308.54	1,117.21	659.58	603.92	55.65	11.851	
6,400.00	6,091.68	6,333.77	6,139.94	28.68	29.25	-95.16	-340.37	1,152.53	664.82	607.87	56.95	11.674	
6,450.00	6,097.30	6,394.27	6,169.47	29.45	30.01	-96.67	-376.24	1,191.23	670.01	611.73	58.28	11.495	
6,501.30	6,099.00	6,459.46	6,195.59	30.27	30.89	-98.22	-417.43	1,234.45	675.17	615.47	59.69	11.311	
6,600.00	6,098.29	6,596.88	6,230.10	31.92	32.95	-101.13	-510.88	1,328.72	682.60	619.88	62.72	10.883	
6,700.00	6,097.57	6,729.32	6,236.76	33.71	35.12	-101.74	-606.04	1,420.34	684.22	617.95	66.27	10.325	
6,800.00	6,096.85	6,829.32	6,236.04	35.59	36.85	-101.74	-678.51	1,489.24	684.26	614.40	69.86	9.795	
6,900.00	6,096.13	6,929.32	6,235.32	37.55	38.67	-101.74	-750.99	1,558.13	684.30	610.68	73.62	9.295	
7,000.00	6,095.42	7,029.32	6,234.59	39.58	40.57	-101.73	-823.47	1,627.03	684.34	606.82	77.52	8.828	
7,100.00	6,094.70	7,129.32	6,233.87	41.67	42.54	-101.73	-895.94	1,695.93	684.38	602.84	81.54	8.393	
7,200.00	6,093.98	7,229.32	6,233.15	43.81	44.57	-101.73	-968.42	1,764.82	684.42	598.75	85.67	7.989	
7,300.00	6,093.26	7,329.32	6,232.43	45.99	46.66	-101.73	-1,040.90	1,833.72	684.46	594.57	89.89	7.615	
7,400.00	6,092.54	7,429.32	6,231.71	48.21	48.79	-101.73	-1,113.37	1,902.61	684.49	590.31	94.18	7.268	
7,500.00	6,091.82	7,529.32	6,230.99	50.46	50.96	-101.73	-1,185.85	1,971.51	684.53	585.98	98.55	6.946	
7,600.00	6,091.10	7,629.32	6,230.27	52.74	53.16	-101.73	-1,258.33	2,040.40	684.57	581.60	102.97	6.648	
7,700.00	6,090.39	7,729.32	6,229.55	55.04	55.40	-101.73	-1,330.80	2,109.30	684.61	577.16	107.45	6.371	
7,800.00	6,089.67	7,829.32	6,228.83	57.36	57.66	-101.73	-1,403.28	2,178.19	684.65	572.68	111.98	6.114	
7,900.00	6,088.95	7,929.32	6,228.11	59.71	59.95	-101.73	-1,475.76	2,247.09	684.69	568.15	116.54	5.875	
8,000.00	6,088.23	8,029.32	6,227.38	62.07	62.25	-101.73	-1,548.23	2,315.99	684.73	563.59	121.14	5.652	
8,100.00	6,087.51	8,129.32	6,226.66	64.45	64.58	-101.72	-1,620.71	2,384.88	684.77	559.00	125.77	5.445	
8,200.00	6,086.79	8,229.32	6,225.94	66.83	66.93	-101.72	-1,693.19	2,453.78	684.81	554.37	130.43	5.250	
8,300.00	6,086.07	8,329.32	6,225.22	69.24	69.29	-101.72	-1,765.66	2,522.67	684.85	549.73	135.12	5.068	
8,400.00	6,085.36	8,429.32	6,224.50	71.65	71.66	-101.72	-1,838.14	2,591.57	684.88	545.06	139.83	4.898	
8,500.00	6,084.64	8,529.32	6,223.78	74.07	74.04	-101.72	-1,910.62	2,660.46	684.92	540.36	144.56	4.738	
8,600.00	6,083.92	8,629.32	6,223.06	76.50	76.44	-101.72	-1,983.09	2,729.36	684.96	535.65	149.31	4.588	
8,700.00	6,083.20	8,729.32	6,222.34	78.94	78.85	-101.72	-2,055.57	2,798.25	685.00	530.93	154.08	4.446	
8,800.00	6,082.48	8,829.32	6,221.62	81.39	81.27	-101.72	-2,128.05	2,867.15	685.04	526.18	158.86	4.312	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 04H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,900.00	6,081.76	8,929.32	6,220.89	83.84	83.69	-101.72	-2,200.53	2,936.04	685.08	521.42	163.66	4.186	
9,000.00	6,081.04	9,029.32	6,220.17	86.30	86.12	-101.72	-2,273.00	3,004.94	685.12	516.65	168.47	4.067	
9,100.00	6,080.32	9,129.32	6,219.45	88.76	88.56	-101.72	-2,345.48	3,073.84	685.16	511.87	173.29	3.954	
9,200.00	6,079.61	9,229.32	6,218.73	91.23	91.01	-101.72	-2,417.96	3,142.73	685.20	507.08	178.12	3.847	
9,300.00	6,078.89	9,329.32	6,218.01	93.71	93.46	-101.71	-2,490.43	3,211.63	685.24	502.27	182.96	3.745	
9,400.00	6,078.17	9,429.32	6,217.29	96.19	95.92	-101.71	-2,562.91	3,280.52	685.27	497.46	187.81	3.649	
9,500.00	6,077.45	9,529.32	6,216.57	98.67	98.39	-101.71	-2,635.39	3,349.42	685.31	492.64	192.67	3.557	
9,600.00	6,076.73	9,629.32	6,215.85	101.16	100.85	-101.71	-2,707.86	3,418.31	685.35	487.81	197.54	3.469	
9,700.00	6,076.01	9,729.32	6,215.13	103.65	103.33	-101.71	-2,780.34	3,487.21	685.39	482.97	202.42	3.386	
9,800.00	6,075.29	9,829.32	6,214.40	106.14	105.80	-101.71	-2,852.82	3,556.10	685.43	478.13	207.30	3.306	
9,900.00	6,074.58	9,929.32	6,213.68	108.64	108.28	-101.71	-2,925.29	3,625.00	685.47	473.28	212.19	3.230	
10,000.00	6,073.86	10,029.32	6,212.96	111.14	110.77	-101.71	-2,997.77	3,693.90	685.51	468.42	217.09	3.158	
10,100.00	6,073.14	10,129.32	6,212.24	113.64	113.26	-101.71	-3,070.25	3,762.79	685.55	463.56	221.99	3.088	
10,200.00	6,072.42	10,229.32	6,211.52	116.14	115.75	-101.71	-3,142.72	3,831.69	685.59	458.69	226.89	3.022	
10,300.00	6,071.70	10,329.32	6,210.80	118.65	118.24	-101.71	-3,215.20	3,900.58	685.63	453.82	231.81	2.958	
10,400.00	6,070.98	10,429.32	6,210.08	121.16	120.74	-101.70	-3,287.68	3,969.48	685.66	448.94	236.72	2.897	
10,500.00	6,070.26	10,529.32	6,209.36	123.67	123.24	-101.70	-3,360.15	4,038.37	685.70	444.06	241.64	2.838	
10,600.00	6,069.54	10,629.32	6,208.64	126.18	125.74	-101.70	-3,432.63	4,107.27	685.74	439.18	246.57	2.781	
10,700.00	6,068.83	10,729.32	6,207.92	128.70	128.24	-101.70	-3,505.11	4,176.16	685.78	434.29	251.49	2.727	
10,800.00	6,068.11	10,829.32	6,207.19	131.22	130.75	-101.70	-3,577.58	4,245.06	685.82	429.39	256.43	2.675	
10,900.00	6,067.39	10,929.32	6,206.47	133.73	133.26	-101.70	-3,650.06	4,313.96	685.86	424.50	261.36	2.624	
11,000.00	6,066.67	11,029.32	6,205.75	136.25	135.77	-101.70	-3,722.54	4,382.85	685.90	419.60	266.30	2.576	
11,100.00	6,065.95	11,129.32	6,205.03	138.77	138.28	-101.70	-3,795.01	4,451.75	685.94	414.70	271.24	2.529	
11,200.00	6,065.23	11,229.32	6,204.31	141.30	140.79	-101.70	-3,867.49	4,520.64	685.98	409.79	276.18	2.484	
11,300.00	6,064.51	11,329.32	6,203.59	143.82	143.31	-101.70	-3,939.97	4,589.54	686.02	404.88	281.13	2.440	
11,400.00	6,063.80	11,429.32	6,202.87	146.35	145.82	-101.70	-4,012.45	4,658.43	686.05	399.97	286.08	2.398	
11,500.00	6,063.08	11,529.32	6,202.15	148.87	148.34	-101.69	-4,084.92	4,727.33	686.09	395.06	291.03	2.357	
11,600.00	6,062.36	11,629.32	6,201.43	151.40	150.86	-101.69	-4,157.40	4,796.22	686.13	390.15	295.99	2.318	
11,700.00	6,061.64	11,729.32	6,200.70	153.93	153.38	-101.69	-4,229.88	4,865.12	686.17	385.23	300.94	2.280	
11,800.00	6,060.92	11,829.32	6,199.98	156.46	155.90	-101.69	-4,302.35	4,934.01	686.21	380.31	305.90	2.243	
11,900.00	6,060.20	11,929.32	6,199.26	158.99	158.42	-101.69	-4,374.83	5,002.91	686.25	375.39	310.86	2.208	
12,000.00	6,059.48	12,029.32	6,198.54	161.52	160.95	-101.69	-4,447.31	5,071.81	686.29	370.46	315.82	2.173	
12,100.00	6,058.77	12,129.32	6,197.82	164.05	163.47	-101.69	-4,519.78	5,140.70	686.33	365.54	320.79	2.139	
12,200.00	6,058.05	12,229.32	6,197.10	166.58	166.00	-101.69	-4,592.26	5,209.60	686.37	360.61	325.76	2.107	
12,300.00	6,057.33	12,329.32	6,196.38	169.11	168.53	-101.69	-4,664.74	5,278.49	686.41	355.68	330.72	2.075	
12,400.00	6,056.61	12,429.32	6,195.66	171.65	171.06	-101.69	-4,737.21	5,347.39	686.44	350.75	335.69	2.045	
12,500.00	6,055.89	12,529.32	6,194.94	174.18	173.59	-101.69	-4,809.69	5,416.28	686.48	345.82	340.66	2.015	
12,600.00	6,055.17	12,629.32	6,194.21	176.72	176.12	-101.69	-4,882.17	5,485.18	686.52	340.89	345.64	1.986	
12,700.00	6,054.45	12,729.32	6,193.49	179.25	178.65	-101.68	-4,954.64	5,554.07	686.56	335.95	350.61	1.958	
12,800.00	6,053.73	12,829.32	6,192.77	181.79	181.18	-101.68	-5,027.12	5,622.97	686.60	331.02	355.58	1.931	
12,900.00	6,053.02	12,929.32	6,192.05	184.33	183.71	-101.68	-5,099.60	5,691.87	686.64	326.08	360.56	1.904	
13,000.00	6,052.30	13,029.32	6,191.33	186.87	186.24	-101.68	-5,172.07	5,760.76	686.68	321.14	365.54	1.879	
13,100.00	6,051.58	13,129.32	6,190.61	189.40	188.78	-101.68	-5,244.55	5,829.66	686.72	316.20	370.52	1.853	
13,200.00	6,050.86	13,229.32	6,189.89	191.94	191.31	-101.68	-5,317.03	5,898.55	686.76	311.26	375.50	1.829	
13,300.00	6,050.14	13,329.32	6,189.17	194.48	193.85	-101.68	-5,389.50	5,967.45	686.80	306.32	380.48	1.805	
13,400.00	6,049.42	13,429.32	6,188.45	197.02	196.38	-101.68	-5,461.98	6,036.34	686.83	301.37	385.46	1.782	
13,500.00	6,048.70	13,529.32	6,187.73	199.56	198.92	-101.68	-5,534.46	6,105.24	686.87	296.43	390.44	1.759	
13,600.00	6,047.99	13,629.32	6,187.00	202.10	201.46	-101.68	-5,606.93	6,174.13	686.91	291.48	395.43	1.737	
13,700.00	6,047.27	13,729.32	6,186.28	204.65	203.99	-101.68	-5,679.41	6,243.03	686.95	286.54	400.41	1.716	
13,800.00	6,046.55	13,829.32	6,185.56	207.19	206.53	-101.67	-5,751.89	6,311.93	686.99	281.59	405.40	1.695	
13,900.00	6,045.83	13,929.32	6,184.84	209.73	209.07	-101.67	-5,824.37	6,380.82	687.03	276.64	410.39	1.674	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 04H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	6,045.11	14,029.32	6,184.12	212.27	211.61	-101.67	-5,896.84	6,449.72	687.07	271.69	415.37	1.654	
14,100.00	6,044.39	14,129.32	6,183.40	214.82	214.15	-101.67	-5,969.32	6,518.61	687.11	266.74	420.36	1.635	
14,200.00	6,043.67	14,229.32	6,182.68	217.36	216.69	-101.67	-6,041.80	6,587.51	687.15	261.79	425.35	1.615	
14,300.00	6,042.95	14,329.32	6,181.96	219.90	219.23	-101.67	-6,114.27	6,656.40	687.19	256.84	430.34	1.597	
14,400.00	6,042.24	14,429.32	6,181.24	222.45	221.77	-101.67	-6,186.75	6,725.30	687.22	251.89	435.33	1.579	
14,500.00	6,041.52	14,529.32	6,180.51	224.99	224.31	-101.67	-6,259.23	6,794.19	687.26	246.94	440.33	1.561	
14,600.00	6,040.80	14,629.32	6,179.79	227.54	226.85	-101.67	-6,331.70	6,863.09	687.30	241.98	445.32	1.543	
14,700.00	6,040.08	14,729.32	6,179.07	230.08	229.40	-101.67	-6,404.18	6,931.98	687.34	237.03	450.31	1.526	
14,711.15	6,040.00	14,740.46	6,178.99	230.36	229.68	-101.67	-6,412.26	6,939.66	687.35	236.48	450.87	1.524	SF

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 05H - Original Drilling - APD Rev 2 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-59.40	20.38	-34.46	40.04				
100.00	100.00	100.00	100.00	0.15	0.15	-59.40	20.38	-34.46	40.04	39.73	0.31	129.865	
200.00	200.00	200.00	200.00	0.51	0.51	-59.40	20.38	-34.46	40.04	39.01	1.03	39.050	
300.00	300.00	300.00	300.00	0.87	0.87	-59.40	20.38	-34.46	40.04	38.29	1.74	22.980	
400.00	400.00	400.00	400.00	1.23	1.23	-59.40	20.38	-34.46	40.04	37.58	2.46	16.280	
500.00	500.00	501.43	501.40	1.59	1.58	-60.51	18.78	-33.22	38.19	35.02	3.17	12.057	
600.00	599.98	602.66	602.45	1.93	1.93	155.20	14.01	-29.52	34.34	30.49	3.85	8.918	
700.00	699.84	703.69	702.97	2.27	2.28	151.26	6.10	-23.36	30.18	25.65	4.53	6.665	
800.00	799.45	804.49	802.80	2.62	2.66	145.43	-4.94	-14.79	25.85	20.62	5.22	4.947	
841.97	841.16	846.73	844.44	2.77	2.82	142.15	-10.49	-10.48	24.03	18.50	5.53	4.348	
900.00	898.78	905.02	901.71	2.98	3.05	135.34	-19.04	-3.84	21.16	15.20	5.96	3.551	
1,000.00	998.06	1,004.93	999.26	3.35	3.47	109.00	-36.10	9.41	15.97	9.17	6.80	2.349	
1,039.18	1,036.96	1,043.84	1,037.00	3.49	3.65	91.18	-43.56	15.21	15.19	8.05	7.15	2.126	CC, ES, SF
1,100.00	1,097.35	1,103.92	1,094.99	3.72	3.93	61.38	-55.97	24.85	17.55	10.00	7.55	2.324	
1,200.00	1,196.64	1,201.71	1,188.53	4.10	4.41	31.55	-78.46	42.32	30.39	22.30	8.08	3.759	
1,300.00	1,295.93	1,298.90	1,280.49	4.49	4.93	19.28	-103.29	61.61	49.54	40.83	8.71	5.687	
1,400.00	1,395.22	1,396.60	1,372.78	4.87	5.47	13.80	-128.61	81.27	70.14	60.72	9.42	7.446	
1,500.00	1,494.51	1,494.29	1,465.07	5.26	6.03	10.82	-153.92	100.94	91.08	80.93	10.15	8.972	
1,600.00	1,593.79	1,591.99	1,557.36	5.65	6.60	8.96	-179.24	120.61	112.17	101.28	10.89	10.297	
1,700.00	1,693.08	1,689.69	1,649.65	6.04	7.17	7.68	-204.56	140.27	133.34	121.70	11.64	11.453	
1,800.00	1,792.37	1,787.39	1,741.93	6.43	7.75	6.76	-229.88	159.94	154.55	142.16	12.40	12.468	
1,900.00	1,891.66	1,885.09	1,834.22	6.82	8.34	6.06	-255.20	179.61	175.79	162.64	13.15	13.366	
2,000.00	1,990.95	1,982.78	1,926.51	7.22	8.92	5.51	-280.51	199.28	197.06	183.14	13.91	14.165	
2,100.00	2,090.24	2,080.48	2,018.80	7.61	9.52	5.06	-305.83	218.94	218.33	203.66	14.67	14.879	
2,200.00	2,189.52	2,178.18	2,111.09	8.01	10.11	4.70	-331.15	238.61	239.62	224.18	15.44	15.522	
2,300.00	2,288.81	2,275.88	2,203.37	8.40	10.70	4.39	-356.47	258.28	260.91	244.71	16.20	16.104	
2,400.00	2,388.10	2,373.58	2,295.66	8.80	11.30	4.13	-381.79	277.95	282.21	265.24	16.97	16.631	
2,500.00	2,487.39	2,471.27	2,387.95	9.19	11.90	3.91	-407.11	297.61	303.51	285.78	17.74	17.113	
2,600.00	2,586.68	2,568.97	2,480.24	9.59	12.50	3.72	-432.42	317.28	324.82	306.32	18.50	17.554	
2,700.00	2,685.97	2,666.67	2,572.53	9.98	13.10	3.55	-457.74	336.95	346.13	326.86	19.27	17.959	
2,800.00	2,785.25	2,764.37	2,664.81	10.38	13.70	3.40	-483.06	356.61	367.45	347.40	20.04	18.332	
2,900.00	2,884.54	2,862.07	2,757.10	10.78	14.31	3.27	-508.38	376.28	388.76	367.95	20.81	18.677	
3,000.00	2,983.83	2,959.76	2,849.39	11.17	14.91	3.15	-533.70	395.95	410.08	388.49	21.59	18.997	
3,100.00	3,083.12	3,057.46	2,941.68	11.57	15.51	3.04	-559.01	415.62	431.40	409.04	22.36	19.295	
3,200.00	3,182.41	3,155.16	3,033.97	11.97	16.12	2.94	-584.33	435.28	452.72	429.59	23.13	19.573	
3,300.00	3,281.70	3,252.86	3,126.25	12.36	16.72	2.85	-609.65	454.95	474.04	450.14	23.90	19.832	
3,400.00	3,380.99	3,350.56	3,218.54	12.76	17.33	2.77	-634.97	474.62	495.36	470.69	24.68	20.074	
3,500.00	3,480.27	3,448.25	3,310.83	13.16	17.93	2.70	-660.29	494.29	516.69	491.24	25.45	20.302	
3,600.00	3,579.56	3,545.95	3,403.12	13.55	18.54	2.63	-685.60	513.95	538.01	511.79	26.22	20.516	
3,700.00	3,678.85	3,643.65	3,495.41	13.95	19.15	2.56	-710.92	533.62	559.34	532.34	27.00	20.718	
3,800.00	3,778.14	3,741.35	3,587.70	14.35	19.76	2.51	-736.24	553.29	580.66	552.89	27.77	20.908	
3,900.00	3,877.43	3,839.05	3,679.98	14.75	20.36	2.45	-761.56	572.95	601.99	573.44	28.55	21.087	
4,000.00	3,976.72	3,936.74	3,772.27	15.14	20.97	2.40	-786.88	592.62	623.31	593.99	29.32	21.257	
4,100.00	4,076.00	4,034.44	3,864.56	15.54	21.58	2.35	-812.20	612.29	644.64	614.54	30.10	21.418	
4,200.00	4,175.29	4,132.14	3,956.85	15.94	22.19	2.31	-837.51	631.96	665.97	635.09	30.87	21.571	
4,300.00	4,274.58	4,229.84	4,049.14	16.34	22.79	2.27	-862.83	651.62	687.30	655.65	31.65	21.716	
4,400.00	4,373.87	4,327.54	4,141.42	16.73	23.40	2.23	-888.15	671.29	708.62	676.20	32.42	21.854	
4,500.00	4,473.16	4,425.23	4,233.71	17.13	24.01	2.19	-913.47	690.96	729.95	696.75	33.20	21.986	
4,600.00	4,572.45	4,522.93	4,326.00	17.53	24.62	2.16	-938.79	710.63	751.28	717.30	33.98	22.111	
4,700.00	4,671.73	4,620.63	4,418.29	17.93	25.23	2.12	-964.10	730.29	772.61	737.86	34.75	22.231	
4,800.00	4,771.02	4,718.33	4,510.58	18.33	25.84	2.09	-989.42	749.96	793.94	758.41	35.53	22.345	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 05H - Original Drilling - APD Rev 2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,870.31	4,816.03	4,602.86	18.72	26.45	2.06	-1,014.74	769.63	815.27	778.96	36.31	22.455	
5,000.00	4,969.60	4,913.72	4,695.15	19.12	27.06	2.03	-1,040.06	789.29	836.60	799.51	37.08	22.560	
5,100.00	5,068.89	5,011.42	4,787.44	19.52	27.67	2.01	-1,065.38	808.96	857.93	820.07	37.86	22.660	
5,200.00	5,168.18	5,109.12	4,879.73	19.92	28.27	1.98	-1,090.70	828.63	879.26	840.62	38.64	22.756	
5,300.00	5,267.46	7,053.35	6,102.38	20.32	39.48	117.73	-541.32	237.49	848.66	824.67	23.99	35.370	
5,400.00	5,366.75	7,042.19	6,102.30	20.72	39.32	114.50	-549.36	245.23	750.88	726.27	24.61	30.510	
5,500.00	5,466.04	7,031.03	6,102.22	21.11	39.16	111.05	-557.39	252.97	653.59	628.14	25.45	25.680	
5,572.42	5,537.95	7,022.95	6,102.16	21.40	39.04	108.41	-563.21	258.58	583.56	557.29	26.27	22.210	
5,600.00	5,565.25	7,019.28	6,102.14	21.51	38.99	116.17	-565.86	261.12	557.10	530.45	26.65	20.904	
5,650.00	5,614.22	7,009.63	6,102.07	21.74	38.85	125.65	-572.81	267.82	509.83	482.40	27.43	18.589	
5,700.00	5,662.26	6,996.15	6,101.98	21.98	38.66	131.38	-582.52	277.17	463.79	435.43	28.36	16.353	
5,750.00	5,709.07	6,978.94	6,101.85	22.25	38.43	134.74	-594.91	289.11	419.34	389.84	29.51	14.213	
5,800.00	5,754.35	6,958.11	6,101.71	22.54	38.16	136.43	-609.92	303.56	376.88	345.97	30.91	12.191	
5,850.00	5,797.84	6,933.77	6,101.54	22.86	37.84	136.86	-627.45	320.44	336.79	304.14	32.66	10.314	
5,900.00	5,839.25	6,906.08	6,101.34	23.20	37.47	136.22	-647.39	339.65	299.50	264.71	34.80	8.607	
5,950.00	5,878.35	6,875.21	6,101.13	23.57	37.09	134.61	-669.63	361.06	265.44	228.02	37.42	7.093	
6,000.00	5,914.88	6,841.35	6,100.89	23.98	36.69	132.04	-694.02	384.55	235.05	194.51	40.54	5.798	
6,050.00	5,948.62	6,804.71	6,100.63	24.42	36.26	128.54	-720.41	409.97	208.75	164.65	44.10	4.733	
6,100.00	5,979.36	6,765.52	6,100.36	24.90	35.84	124.13	-748.64	437.16	186.92	138.94	47.98	3.896	
6,150.00	6,006.91	6,724.01	6,100.06	25.42	35.40	118.91	-778.53	465.95	169.73	117.90	51.83	3.275	
6,200.00	6,031.11	6,675.98	6,098.54	25.99	34.93	112.07	-813.07	499.27	156.62	101.37	55.25	2.835	
6,250.00	6,051.81	6,628.42	6,093.54	26.60	34.50	104.19	-847.01	532.20	146.79	88.39	58.40	2.514	
6,300.00	6,068.86	6,582.71	6,085.43	27.25	34.11	95.69	-879.21	563.60	140.83	80.15	60.68	2.321	
6,344.87	6,080.99	6,543.08	6,075.80	27.88	33.80	87.80	-906.65	590.51	139.10	77.55	61.55	2.260	
6,350.00	6,082.18	6,538.62	6,074.56	27.95	33.76	86.89	-909.71	593.51	139.12	77.56	61.56	2.260	
6,400.00	6,091.68	6,495.95	6,061.26	28.68	33.46	78.20	-938.57	621.98	141.61	80.71	60.89	2.325	
6,450.00	6,097.30	6,454.51	6,045.77	29.45	33.20	69.99	-965.86	649.03	147.83	88.82	59.00	2.505	
6,501.30	6,099.00	6,413.13	6,027.85	30.27	32.97	62.34	-992.26	675.36	157.32	100.93	56.39	2.790	
6,600.00	6,098.29	6,339.54	5,990.14	31.92	32.64	51.05	-1,036.79	720.14	185.88	135.45	50.42	3.686	
6,700.00	6,097.57	6,274.99	5,951.26	33.71	32.42	42.03	-1,072.88	756.87	229.91	185.00	44.91	5.120	
6,800.00	6,096.85	6,219.69	5,913.95	35.59	32.27	35.43	-1,101.31	786.13	286.22	244.91	41.31	6.929	
6,900.00	6,096.13	6,172.45	5,879.39	37.55	32.18	30.66	-1,123.59	809.34	351.68	312.24	39.44	8.917	
7,000.00	6,095.42	6,132.06	5,848.01	39.58	32.11	27.18	-1,141.09	827.79	423.86	385.19	38.68	10.958	
7,100.00	6,094.70	6,100.00	5,821.99	41.67	32.06	24.76	-1,153.90	841.45	501.08	462.43	38.65	12.964	
7,200.00	6,093.98	6,067.46	5,794.66	43.81	32.03	22.60	-1,165.91	854.39	582.09	543.41	38.68	15.049	
7,300.00	6,093.26	6,050.00	5,779.64	45.99	32.01	21.54	-1,171.92	860.95	666.17	626.90	39.27	16.965	
7,400.00	6,092.54	6,018.79	5,752.19	48.21	31.98	19.81	-1,181.90	871.95	752.37	713.06	39.31	19.138	
7,500.00	6,091.82	6,000.00	5,735.33	50.46	31.96	18.86	-1,187.42	878.13	840.56	800.86	39.70	21.173	
7,600.00	6,091.10	5,981.21	5,718.24	52.74	31.95	17.98	-1,192.58	883.97	930.26	890.25	40.01	23.252	
7,700.00	6,090.39	5,965.53	5,703.80	55.04	31.94	17.28	-1,196.61	888.58	1,021.21	980.88	40.33	25.322	
7,800.00	6,089.67	5,950.00	5,689.36	57.36	31.92	16.63	-1,200.33	892.90	1,113.21	1,072.61	40.60	27.419	
7,900.00	6,088.95	5,950.00	5,689.36	59.71	31.92	16.63	-1,200.33	892.90	1,206.22	1,165.12	41.10	29.348	
8,000.00	6,088.23	5,927.55	5,668.24	62.07	31.90	15.76	-1,205.26	898.72	1,299.68	1,258.53	41.15	31.581	
8,100.00	6,087.51	5,917.24	5,658.46	64.45	31.89	15.38	-1,207.34	901.22	1,393.92	1,352.54	41.38	33.682	
8,200.00	6,086.79	5,900.00	5,641.99	66.83	31.88	14.77	-1,210.56	905.16	1,488.78	1,447.29	41.49	35.884	
8,300.00	6,086.07	5,900.00	5,641.99	69.24	31.88	14.77	-1,210.56	905.16	1,583.97	1,542.16	41.81	37.889	
8,400.00	6,085.36	5,900.00	5,641.99	71.65	31.88	14.77	-1,210.56	905.16	1,679.72	1,637.63	42.08	39.913	
8,500.00	6,084.64	5,900.00	5,641.99	74.07	31.88	14.77	-1,210.56	905.16	1,775.93	1,733.60	42.33	41.953	
8,600.00	6,083.92	5,877.49	5,620.29	76.50	31.86	14.03	-1,214.27	909.84	1,872.02	1,829.71	42.30	44.252	
8,700.00	6,083.20	5,871.31	5,614.29	78.94	31.85	13.84	-1,215.20	911.03	1,968.65	1,926.20	42.45	46.374	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 05H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,800.00	6,082.48	5,850.00	5,593.52	81.39	31.83	13.20	-1,218.05	914.84	2,065.78	2,023.34	42.43	48.681	
8,900.00	6,081.76	5,850.00	5,593.52	83.84	31.83	13.20	-1,218.05	914.84	2,162.74	2,120.11	42.62	50.739	
9,000.00	6,081.04	5,850.00	5,593.52	86.30	31.83	13.20	-1,218.05	914.84	2,259.97	2,217.17	42.80	52.804	
9,100.00	6,080.32	5,850.00	5,593.52	88.76	31.83	13.20	-1,218.05	914.84	2,357.42	2,314.46	42.96	54.874	
9,200.00	6,079.61	5,850.00	5,593.52	91.23	31.83	13.20	-1,218.05	914.84	2,455.09	2,411.98	43.11	56.948	
9,300.00	6,078.89	5,850.00	5,593.52	93.71	31.83	13.20	-1,218.05	914.84	2,552.93	2,509.68	43.25	59.025	
9,400.00	6,078.17	5,850.00	5,593.52	96.19	31.83	13.20	-1,218.05	914.84	2,650.94	2,607.55	43.38	61.104	
9,500.00	6,077.45	5,850.00	5,593.52	98.67	31.83	13.20	-1,218.05	914.84	2,749.09	2,705.58	43.51	63.184	
9,600.00	6,076.73	5,850.00	5,593.52	101.16	31.83	13.20	-1,218.05	914.84	2,847.36	2,803.74	43.63	65.265	
9,700.00	6,076.01	5,828.02	5,571.94	103.65	31.81	12.59	-1,220.46	918.26	2,945.30	2,901.71	43.58	67.581	
9,800.00	6,075.29	5,824.96	5,568.93	106.14	31.80	12.51	-1,220.75	918.69	3,043.66	2,999.99	43.67	69.692	
9,900.00	6,074.58	5,822.06	5,566.07	108.64	31.80	12.44	-1,221.02	919.10	3,142.11	3,098.35	43.76	71.799	
10,000.00	6,073.86	5,800.00	5,544.25	111.14	31.77	11.88	-1,222.74	921.87	3,240.99	3,197.27	43.72	74.128	
10,100.00	6,073.14	5,800.00	5,544.25	113.64	31.77	11.88	-1,222.74	921.87	3,339.51	3,295.68	43.83	76.197	
10,200.00	6,072.42	5,800.00	5,544.25	116.14	31.77	11.88	-1,222.74	921.87	3,438.11	3,394.18	43.93	78.264	
10,300.00	6,071.70	5,800.00	5,544.25	118.65	31.77	11.88	-1,222.74	921.87	3,536.79	3,492.76	44.03	80.328	
10,400.00	6,070.98	5,800.00	5,544.25	121.16	31.77	11.88	-1,222.74	921.87	3,635.54	3,591.42	44.13	82.389	
10,500.00	6,070.26	5,800.00	5,544.25	123.67	31.77	11.88	-1,222.74	921.87	3,734.36	3,690.14	44.22	84.448	
10,600.00	6,069.54	5,800.00	5,544.25	126.18	31.77	11.88	-1,222.74	921.87	3,833.24	3,788.93	44.31	86.503	
10,700.00	6,068.83	5,800.00	5,544.25	128.70	31.77	11.88	-1,222.74	921.87	3,932.18	3,887.78	44.40	88.554	
10,800.00	6,068.11	5,800.00	5,544.25	131.22	31.77	11.88	-1,222.74	921.87	4,031.17	3,986.68	44.49	90.602	
10,900.00	6,067.39	5,800.00	5,544.25	133.73	31.77	11.88	-1,222.74	921.87	4,130.21	4,085.63	44.58	92.645	
11,000.00	6,066.67	5,800.00	5,544.25	136.25	31.77	11.88	-1,222.74	921.87	4,229.29	4,184.62	44.67	94.684	
11,100.00	6,065.95	5,800.00	5,544.25	138.77	31.77	11.88	-1,222.74	921.87	4,328.42	4,283.66	44.75	96.719	
11,200.00	6,065.23	5,800.00	5,544.25	141.30	31.77	11.88	-1,222.74	921.87	4,427.58	4,382.74	44.84	98.749	
11,300.00	6,064.51	5,800.00	5,544.25	143.82	31.77	11.88	-1,222.74	921.87	4,526.78	4,481.86	44.92	100.773	
11,400.00	6,063.80	5,800.00	5,544.25	146.35	31.77	11.88	-1,222.74	921.87	4,626.02	4,581.01	45.00	102.793	
11,500.00	6,063.08	5,800.00	5,544.25	148.87	31.77	11.88	-1,222.74	921.87	4,725.29	4,680.20	45.09	104.808	
11,600.00	6,062.36	5,800.00	5,544.25	151.40	31.77	11.88	-1,222.74	921.87	4,824.58	4,779.42	45.17	106.817	
11,700.00	6,061.64	5,800.00	5,544.25	153.93	31.77	11.88	-1,222.74	921.87	4,923.91	4,878.66	45.25	108.821	
11,800.00	6,060.92	5,800.00	5,544.25	156.46	31.77	11.88	-1,222.74	921.87	5,023.26	4,977.94	45.33	110.819	
11,900.00	6,060.20	5,800.00	5,544.25	158.99	31.77	11.88	-1,222.74	921.87	5,122.64	5,077.23	45.41	112.811	
12,000.00	6,059.48	5,800.00	5,544.25	161.52	31.77	11.88	-1,222.74	921.87	5,222.05	5,176.56	45.49	114.797	
12,100.00	6,058.77	5,800.00	5,544.25	164.05	31.77	11.88	-1,222.74	921.87	5,321.47	5,275.90	45.57	116.778	
12,200.00	6,058.05	5,800.00	5,544.25	166.58	31.77	11.88	-1,222.74	921.87	5,420.92	5,375.27	45.65	118.752	
12,300.00	6,057.33	5,800.00	5,544.25	169.11	31.77	11.88	-1,222.74	921.87	5,520.38	5,474.65	45.73	120.720	
12,400.00	6,056.61	5,800.00	5,544.25	171.65	31.77	11.88	-1,222.74	921.87	5,619.87	5,574.06	45.81	122.682	
12,500.00	6,055.89	5,800.00	5,544.25	174.18	31.77	11.88	-1,222.74	921.87	5,719.37	5,673.48	45.89	124.637	
12,600.00	6,055.17	5,777.40	5,521.81	176.72	31.74	11.35	-1,223.94	924.17	5,818.44	5,772.58	45.86	126.870	
12,700.00	6,054.45	5,776.45	5,520.86	179.25	31.74	11.33	-1,223.98	924.25	5,917.94	5,872.01	45.94	128.825	
12,800.00	6,053.73	5,775.53	5,519.94	181.79	31.74	11.30	-1,224.02	924.33	6,017.46	5,971.44	46.01	130.774	
12,900.00	6,053.02	5,774.63	5,519.05	184.33	31.73	11.28	-1,224.05	924.41	6,116.98	6,070.89	46.09	132.715	
13,000.00	6,052.30	5,773.76	5,518.18	186.87	31.73	11.27	-1,224.08	924.49	6,216.53	6,170.36	46.17	134.650	
13,100.00	6,051.58	5,772.91	5,517.34	189.40	31.73	11.25	-1,224.11	924.56	6,316.08	6,269.84	46.25	136.578	
13,200.00	6,050.86	5,750.00	5,494.49	191.94	31.70	10.75	-1,224.62	926.21	6,416.07	6,369.85	46.23	138.800	
13,300.00	6,050.14	5,750.00	5,494.49	194.48	31.70	10.75	-1,224.62	926.21	6,515.62	6,469.31	46.31	140.703	
13,400.00	6,049.42	5,750.00	5,494.49	197.02	31.70	10.75	-1,224.62	926.21	6,615.18	6,568.79	46.39	142.600	
13,500.00	6,048.70	5,750.00	5,494.49	199.56	31.70	10.75	-1,224.62	926.21	6,714.76	6,668.29	46.47	144.489	
13,600.00	6,047.99	5,750.00	5,494.49	202.10	31.70	10.75	-1,224.62	926.21	6,814.35	6,767.79	46.56	146.371	
13,700.00	6,047.27	5,750.00	5,494.49	204.65	31.70	10.75	-1,224.62	926.21	6,913.95	6,867.31	46.64	148.247	
13,800.00	6,046.55	5,750.00	5,494.49	207.19	31.70	10.75	-1,224.62	926.21	7,013.56	6,966.84	46.72	150.115	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Offset Design A12 2408 Pad - # 05H - Original Drilling - APD Rev 2

Survey Program: 0-MWD+HDGM

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	6,045.83	5,750.00	5,494.49	209.73	31.70	10.75	-1,224.62	926.21	7,113.18	7,066.38	46.80	151.976	
14,000.00	6,045.11	5,750.00	5,494.49	212.27	31.70	10.75	-1,224.62	926.21	7,212.82	7,165.93	46.89	153.830	
14,100.00	6,044.39	5,750.00	5,494.49	214.82	31.70	10.75	-1,224.62	926.21	7,312.46	7,265.49	46.97	155.677	
14,200.00	6,043.67	5,750.00	5,494.49	217.36	31.70	10.75	-1,224.62	926.21	7,412.11	7,365.06	47.06	157.516	
14,300.00	6,042.95	5,750.00	5,494.49	219.90	31.70	10.75	-1,224.62	926.21	7,511.77	7,464.63	47.14	159.348	
14,400.00	6,042.24	5,750.00	5,494.49	222.45	31.70	10.75	-1,224.62	926.21	7,611.44	7,564.22	47.23	161.173	
14,500.00	6,041.52	5,750.00	5,494.49	224.99	31.70	10.75	-1,224.62	926.21	7,711.12	7,663.81	47.31	162.990	
14,600.00	6,040.80	5,750.00	5,494.49	227.54	31.70	10.75	-1,224.62	926.21	7,810.81	7,763.42	47.40	164.800	
14,700.00	6,040.08	5,750.00	5,494.49	230.08	31.70	10.75	-1,224.62	926.21	7,910.51	7,863.03	47.48	166.603	
14,711.15	6,040.00	5,750.00	5,494.49	230.36	31.70	10.75	-1,224.62	926.21	7,921.62	7,874.13	47.49	166.804	

DJR Operating

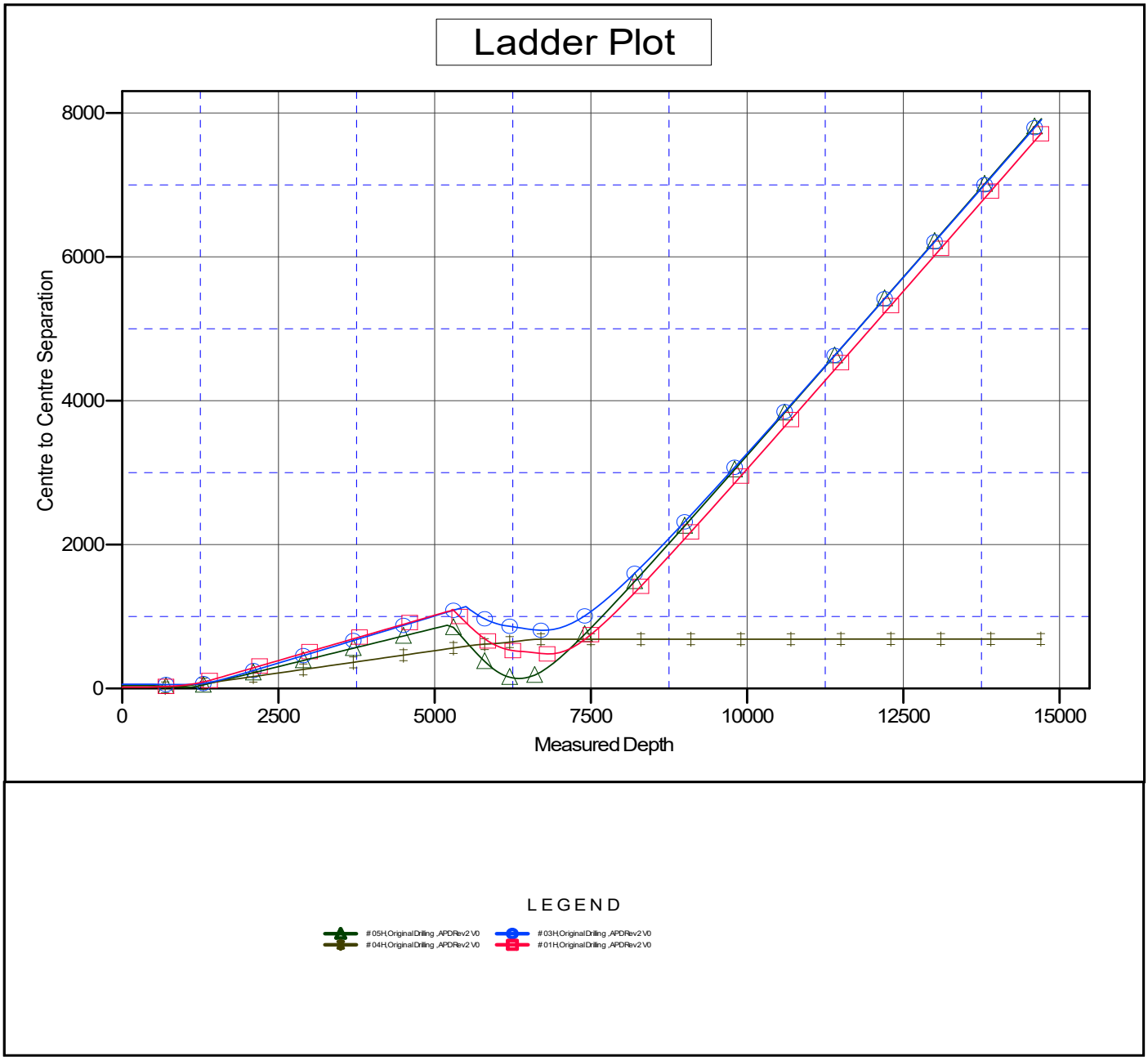
Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to GL 7322' & RKB 14' @ 7336.00usft (A
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: # 02H - Slot 2
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.12°



DJR Operating

Lonestar Consulting, LLC

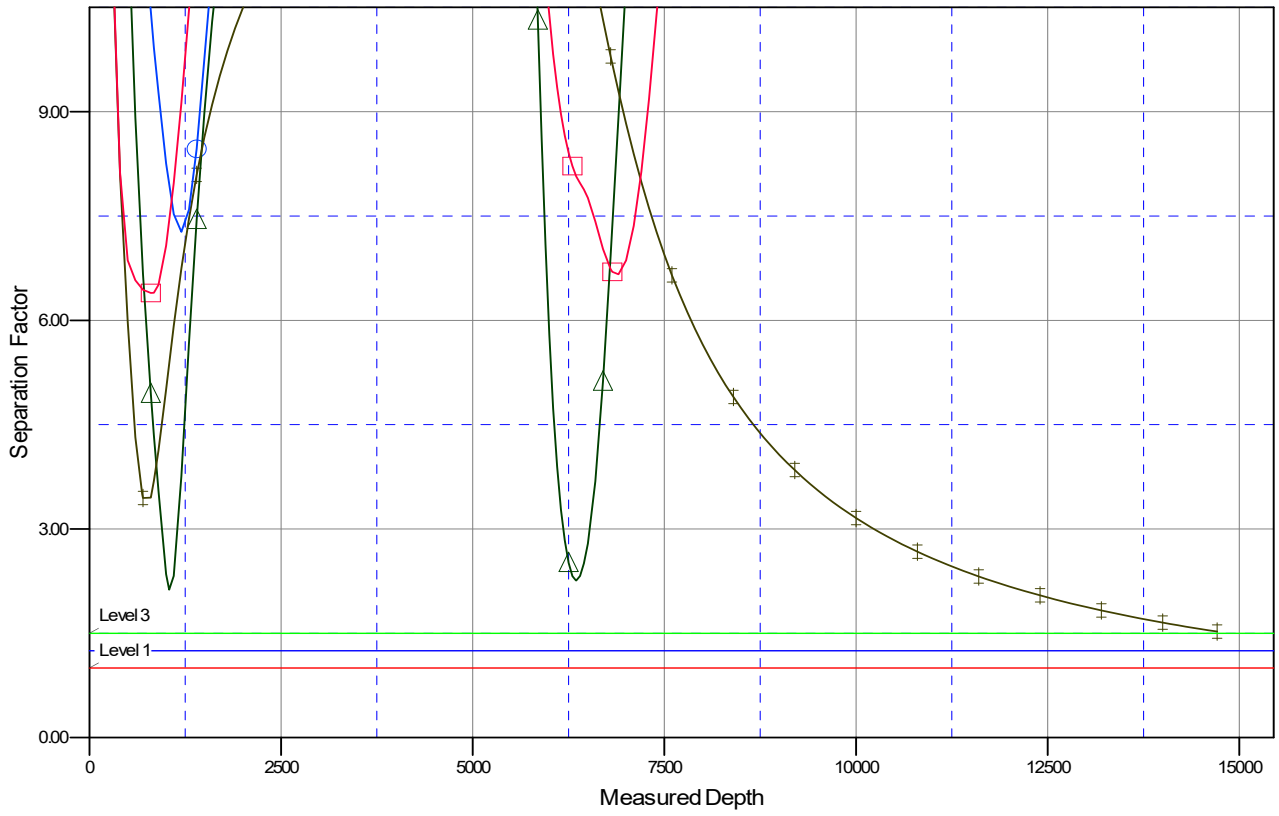
Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Project:	Non-unit	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Reference Site:	A12 2408 Pad	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	DJR
Reference Design:	APD Rev 2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to GL 7322' & RKB 14' @ 7336.00usft (A
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: # 02H - Slot 2
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.12°

Separation Factor Plot



LEGEND

05H,Original Drilling ,APDRev2 V0
04H,Original Drilling ,APDRev2 V0
03H,Original Drilling ,APDRev2 V0
01H,Original Drilling ,APDRev2 V0

DJR Operating

Company: DJR Operating
Project: Non-unit
Site: A12 2408 Pad
Well: # 02H
Wellbore: Original Drilling
Design: APD Rev 2

PROJECT DETAILS: Non-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: # 02H

GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	1940253.31	2783961.01	36.33210900	-107.62667601	2

Plan: APD Rev 2 (# 02H/Original Drilling)

Created By: Janie Collins Date: 13:19, July 27 2020

Azimuths to True North
Magnetic North: 8.35°
Magnetic Field
Strength: 49427.3nT
Dip Angle: 62.88°
Date: 2/25/2020
Model: HDGM_FILE

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
02H Heel	6099.00	-922.79	797.27	1939332.22	2784760.25	36.32957403	-107.62396930
02H Toe	6040.00	-6875.31	6451.09	1933391.80	2790426.78	36.31322030	-107.60477930

SECTION DETAILS

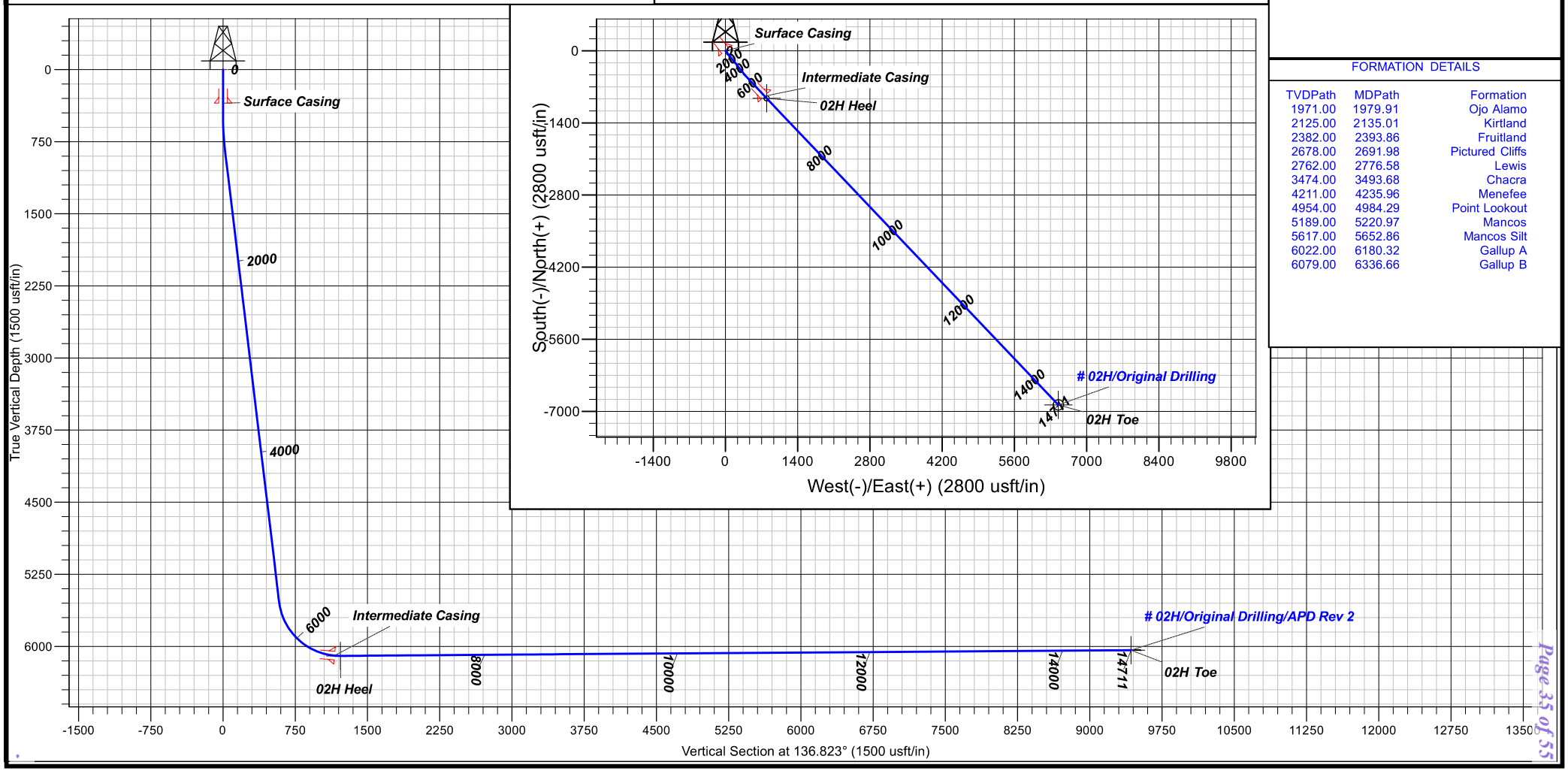
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	
841.97	6.84	141.532	841.16	-15.96	12.68	2.00	141.53	20.32	
5572.42	6.84	141.532	5537.95	-457.03	363.12	0.00	0.00	581.75	
6501.30	90.41	136.474	6099.00	-922.79	797.27	9.00	-5.09	1218.48	02H Heel
14711.15	90.41	136.474	6040.00	-6875.31	6451.09	0.00	0.00	9427.96	02H Toe

CASING DETAILS

TVD	MD	Name
350.00	350.00	Surface Casing
6096.59	6441.16	Intermediate Casing

FORMATION DETAILS

TVDPath	MDPath	Formation
1971.00	1979.91	Ojo Alamo
2125.00	2135.01	Kirtland
2382.00	2393.86	Fruitland
2678.00	2691.98	Pictured Cliffs
2762.00	2776.58	Lewis
3474.00	3493.68	Chacra
4211.00	4235.96	Menefee
4954.00	4984.29	Point Lookout
5189.00	5220.97	Mancos
5617.00	5652.86	Mancos Silt
6022.00	6180.32	Gallup A
6079.00	6336.66	Gallup B



DJR Operating

Non-unit
A12 2408 Pad
 # 02H - Slot 2

Original Drilling

Plan: APD Rev 2

Standard Planning Report

27 July, 2020

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	DJR	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Company:	DJR Operating	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Project:	Non-unit	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site:	A12 2408 Pad	**North Reference:**	True
Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 2		

Project	Non-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	A12 2408 Pad				
Site Position:		**Northing:**	1,940,273.41 usft	**Latitude:**	36.33216400
From:	Lat/Long	**Easting:**	2,783,996.03 usft	**Longitude:**	-107.62655700
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.12 °

Well	# 02H - Slot 2				
Well Position	**+N/-S**	-20.02 usft	**Northing:**	1,940,253.31 usft	**Latitude:**	36.33210900
	+E/-W	-35.05 usft	**Easting:**	2,783,961.02 usft	**Longitude:**	-107.62667601
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	7,322.00 usft

Wellbore	Original Drilling			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM_FILE	2/25/2020	8.65	62.88	49,427.50000000

Design	APD Rev 2			
Audit Notes:				
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	136.823

Plan Survey Tool Program **Date** 7/27/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,711.08	APD Rev 2 (Original Drilling)	MWD+HDGM	
				OWSG MWD + HDGM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
841.97	6.84	141.532	841.16	-15.96	12.68	2.00	2.00	0.00	141.53	
5,572.42	6.84	141.532	5,537.95	-457.03	363.12	0.00	0.00	0.00	0.00	
6,501.30	90.41	136.474	6,099.00	-922.79	797.27	9.00	9.00	-0.54	-5.09	02H Heel
14,711.15	90.41	136.474	6,040.00	-6,875.31	6,451.09	0.00	0.00	0.00	0.00	02H Toe

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	DJR	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Company:	DJR Operating	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Project:	Non-unit	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site:	A12 2408 Pad	**North Reference:**	True
Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	2.00	141.532	599.98	-1.37	1.09	1.74	2.00	2.00	0.00
700.00	4.00	141.532	699.84	-5.46	4.34	6.95	2.00	2.00	0.00
800.00	6.00	141.532	799.45	-12.29	9.76	15.64	2.00	2.00	0.00
841.97	6.84	141.532	841.16	-15.96	12.68	20.32	2.00	2.00	0.00
900.00	6.84	141.532	898.78	-21.37	16.98	27.20	0.00	0.00	0.00
1,000.00	6.84	141.532	998.06	-30.70	24.39	39.07	0.00	0.00	0.00
1,100.00	6.84	141.532	1,097.35	-40.02	31.80	50.94	0.00	0.00	0.00
1,200.00	6.84	141.532	1,196.64	-49.34	39.21	62.81	0.00	0.00	0.00
1,300.00	6.84	141.532	1,295.93	-58.67	46.61	74.68	0.00	0.00	0.00
1,400.00	6.84	141.532	1,395.22	-67.99	54.02	86.55	0.00	0.00	0.00
1,500.00	6.84	141.532	1,494.51	-77.32	61.43	98.42	0.00	0.00	0.00
1,600.00	6.84	141.532	1,593.79	-86.64	68.84	110.28	0.00	0.00	0.00
1,700.00	6.84	141.532	1,693.08	-95.96	76.25	122.15	0.00	0.00	0.00
1,800.00	6.84	141.532	1,792.37	-105.29	83.65	134.02	0.00	0.00	0.00
1,900.00	6.84	141.532	1,891.66	-114.61	91.06	145.89	0.00	0.00	0.00
2,000.00	6.84	141.532	1,990.95	-123.94	98.47	157.76	0.00	0.00	0.00
2,100.00	6.84	141.532	2,090.24	-133.26	105.88	169.63	0.00	0.00	0.00
2,200.00	6.84	141.532	2,189.52	-142.58	113.29	181.50	0.00	0.00	0.00
2,300.00	6.84	141.532	2,288.81	-151.91	120.69	193.36	0.00	0.00	0.00
2,400.00	6.84	141.532	2,388.10	-161.23	128.10	205.23	0.00	0.00	0.00
2,500.00	6.84	141.532	2,487.39	-170.56	135.51	217.10	0.00	0.00	0.00
2,600.00	6.84	141.532	2,586.68	-179.88	142.92	228.97	0.00	0.00	0.00
2,700.00	6.84	141.532	2,685.97	-189.21	150.33	240.84	0.00	0.00	0.00
2,800.00	6.84	141.532	2,785.25	-198.53	157.74	252.71	0.00	0.00	0.00
2,900.00	6.84	141.532	2,884.54	-207.85	165.14	264.58	0.00	0.00	0.00
3,000.00	6.84	141.532	2,983.83	-217.18	172.55	276.44	0.00	0.00	0.00
3,100.00	6.84	141.532	3,083.12	-226.50	179.96	288.31	0.00	0.00	0.00
3,200.00	6.84	141.532	3,182.41	-235.83	187.37	300.18	0.00	0.00	0.00
3,300.00	6.84	141.532	3,281.70	-245.15	194.78	312.05	0.00	0.00	0.00
3,400.00	6.84	141.532	3,380.99	-254.47	202.18	323.92	0.00	0.00	0.00
3,500.00	6.84	141.532	3,480.27	-263.80	209.59	335.79	0.00	0.00	0.00
3,600.00	6.84	141.532	3,579.56	-273.12	217.00	347.66	0.00	0.00	0.00
3,700.00	6.84	141.532	3,678.85	-282.45	224.41	359.52	0.00	0.00	0.00
3,800.00	6.84	141.532	3,778.14	-291.77	231.82	371.39	0.00	0.00	0.00
3,900.00	6.84	141.532	3,877.43	-301.09	239.22	383.26	0.00	0.00	0.00
4,000.00	6.84	141.532	3,976.72	-310.42	246.63	395.13	0.00	0.00	0.00
4,100.00	6.84	141.532	4,076.00	-319.74	254.04	407.00	0.00	0.00	0.00
4,200.00	6.84	141.532	4,175.29	-329.07	261.45	418.87	0.00	0.00	0.00
4,300.00	6.84	141.532	4,274.58	-338.39	268.86	430.74	0.00	0.00	0.00
4,400.00	6.84	141.532	4,373.87	-347.71	276.27	442.60	0.00	0.00	0.00
4,500.00	6.84	141.532	4,473.16	-357.04	283.67	454.47	0.00	0.00	0.00
4,600.00	6.84	141.532	4,572.45	-366.36	291.08	466.34	0.00	0.00	0.00
4,700.00	6.84	141.532	4,671.73	-375.69	298.49	478.21	0.00	0.00	0.00
4,800.00	6.84	141.532	4,771.02	-385.01	305.90	490.08	0.00	0.00	0.00
4,900.00	6.84	141.532	4,870.31	-394.33	313.31	501.95	0.00	0.00	0.00
5,000.00	6.84	141.532	4,969.60	-403.66	320.71	513.81	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC

Planning Report

Database:	DJR	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Company:	DJR Operating	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Project:	Non-unit	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site:	A12 2408 Pad	**North Reference:**	True
Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,100.00	6.84	141.532	5,068.89	-412.98	328.12	525.68	0.00	0.00	0.00
5,200.00	6.84	141.532	5,168.18	-422.31	335.53	537.55	0.00	0.00	0.00
5,300.00	6.84	141.532	5,267.46	-431.63	342.94	549.42	0.00	0.00	0.00
5,400.00	6.84	141.532	5,366.75	-440.95	350.35	561.29	0.00	0.00	0.00
5,500.00	6.84	141.532	5,466.04	-450.28	357.75	573.16	0.00	0.00	0.00
5,572.42	6.84	141.532	5,537.95	-457.03	363.12	581.75	0.00	0.00	0.00
5,600.00	9.31	140.172	5,565.25	-460.03	365.57	585.62	9.00	8.97	-4.93
5,700.00	18.30	138.309	5,662.26	-478.01	381.23	609.44	9.00	8.99	-1.86
5,800.00	27.30	137.651	5,754.35	-506.74	407.18	648.15	9.00	9.00	-0.66
5,900.00	36.30	137.303	5,839.25	-545.53	442.77	700.79	9.00	9.00	-0.35
6,000.00	45.30	137.078	5,914.88	-593.40	487.14	766.06	9.00	9.00	-0.23
6,100.00	54.30	136.914	5,979.36	-649.20	539.18	842.36	9.00	9.00	-0.16
6,200.00	63.30	136.783	6,031.11	-711.53	597.62	927.81	9.00	9.00	-0.13
6,300.00	72.30	136.672	6,068.86	-778.87	661.03	1,020.29	9.00	9.00	-0.11
6,400.00	81.30	136.571	6,091.68	-849.56	727.82	1,117.55	9.00	9.00	-0.10
6,500.00	90.29	136.475	6,099.01	-921.85	796.37	1,217.18	9.00	9.00	-0.10
6,501.30	90.41	136.474	6,099.00	-922.79	797.27	1,218.48	9.00	9.00	-0.10
6,600.00	90.41	136.474	6,098.29	-994.36	865.24	1,317.17	0.00	0.00	0.00
6,700.00	90.41	136.474	6,097.57	-1,066.86	934.11	1,417.17	0.00	0.00	0.00
6,800.00	90.41	136.474	6,096.85	-1,139.37	1,002.97	1,517.16	0.00	0.00	0.00
6,900.00	90.41	136.474	6,096.13	-1,211.87	1,071.84	1,617.16	0.00	0.00	0.00
7,000.00	90.41	136.474	6,095.42	-1,284.38	1,140.71	1,717.16	0.00	0.00	0.00
7,100.00	90.41	136.474	6,094.70	-1,356.88	1,209.57	1,817.15	0.00	0.00	0.00
7,200.00	90.41	136.474	6,093.98	-1,429.38	1,278.44	1,917.15	0.00	0.00	0.00
7,300.00	90.41	136.474	6,093.26	-1,501.89	1,347.30	2,017.14	0.00	0.00	0.00
7,400.00	90.41	136.474	6,092.54	-1,574.39	1,416.17	2,117.14	0.00	0.00	0.00
7,500.00	90.41	136.474	6,091.82	-1,646.90	1,485.04	2,217.13	0.00	0.00	0.00
7,600.00	90.41	136.474	6,091.10	-1,719.40	1,553.90	2,317.13	0.00	0.00	0.00
7,700.00	90.41	136.474	6,090.39	-1,791.91	1,622.77	2,417.12	0.00	0.00	0.00
7,800.00	90.41	136.474	6,089.67	-1,864.41	1,691.64	2,517.12	0.00	0.00	0.00
7,900.00	90.41	136.474	6,088.95	-1,936.92	1,760.50	2,617.12	0.00	0.00	0.00
8,000.00	90.41	136.474	6,088.23	-2,009.42	1,829.37	2,717.11	0.00	0.00	0.00
8,100.00	90.41	136.474	6,087.51	-2,081.93	1,898.23	2,817.11	0.00	0.00	0.00
8,200.00	90.41	136.474	6,086.79	-2,154.43	1,967.10	2,917.10	0.00	0.00	0.00
8,300.00	90.41	136.474	6,086.07	-2,226.93	2,035.97	3,017.10	0.00	0.00	0.00
8,400.00	90.41	136.474	6,085.36	-2,299.44	2,104.83	3,117.09	0.00	0.00	0.00
8,500.00	90.41	136.474	6,084.64	-2,371.94	2,173.70	3,217.09	0.00	0.00	0.00
8,600.00	90.41	136.474	6,083.92	-2,444.45	2,242.57	3,317.08	0.00	0.00	0.00
8,700.00	90.41	136.474	6,083.20	-2,516.95	2,311.43	3,417.08	0.00	0.00	0.00
8,800.00	90.41	136.474	6,082.48	-2,589.46	2,380.30	3,517.08	0.00	0.00	0.00
8,900.00	90.41	136.474	6,081.76	-2,661.96	2,449.17	3,617.07	0.00	0.00	0.00
9,000.00	90.41	136.474	6,081.04	-2,734.47	2,518.03	3,717.07	0.00	0.00	0.00
9,100.00	90.41	136.474	6,080.32	-2,806.97	2,586.90	3,817.06	0.00	0.00	0.00
9,200.00	90.41	136.474	6,079.61	-2,879.48	2,655.76	3,917.06	0.00	0.00	0.00
9,300.00	90.41	136.474	6,078.89	-2,951.98	2,724.63	4,017.05	0.00	0.00	0.00
9,400.00	90.41	136.474	6,078.17	-3,024.49	2,793.50	4,117.05	0.00	0.00	0.00
9,500.00	90.41	136.474	6,077.45	-3,096.99	2,862.36	4,217.04	0.00	0.00	0.00
9,600.00	90.41	136.474	6,076.73	-3,169.49	2,931.23	4,317.04	0.00	0.00	0.00
9,700.00	90.41	136.474	6,076.01	-3,242.00	3,000.10	4,417.04	0.00	0.00	0.00
9,800.00	90.41	136.474	6,075.29	-3,314.50	3,068.96	4,517.03	0.00	0.00	0.00
9,900.00	90.41	136.474	6,074.58	-3,387.01	3,137.83	4,617.03	0.00	0.00	0.00
10,000.00	90.41	136.474	6,073.86	-3,459.51	3,206.69	4,717.02	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC
Planning Report

LONESTAR CONSULTING

Database:	DJR	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Company:	DJR Operating	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Project:	Non-unit	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site:	A12 2408 Pad	**North Reference:**	True
Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,100.00	90.41	136.474	6,073.14	-3,532.02	3,275.56	4,817.02	0.00	0.00	0.00
10,200.00	90.41	136.474	6,072.42	-3,604.52	3,344.43	4,917.01	0.00	0.00	0.00
10,300.00	90.41	136.474	6,071.70	-3,677.03	3,413.29	5,017.01	0.00	0.00	0.00
10,400.00	90.41	136.474	6,070.98	-3,749.53	3,482.16	5,117.00	0.00	0.00	0.00
10,500.00	90.41	136.474	6,070.26	-3,822.04	3,551.03	5,217.00	0.00	0.00	0.00
10,600.00	90.41	136.474	6,069.54	-3,894.54	3,619.89	5,317.00	0.00	0.00	0.00
10,700.00	90.41	136.474	6,068.83	-3,967.05	3,688.76	5,416.99	0.00	0.00	0.00
10,800.00	90.41	136.474	6,068.11	-4,039.55	3,757.63	5,516.99	0.00	0.00	0.00
10,900.00	90.41	136.474	6,067.39	-4,112.05	3,826.49	5,616.98	0.00	0.00	0.00
11,000.00	90.41	136.474	6,066.67	-4,184.56	3,895.36	5,716.98	0.00	0.00	0.00
11,100.00	90.41	136.474	6,065.95	-4,257.06	3,964.22	5,816.97	0.00	0.00	0.00
11,200.00	90.41	136.474	6,065.23	-4,329.57	4,033.09	5,916.97	0.00	0.00	0.00
11,300.00	90.41	136.474	6,064.51	-4,402.07	4,101.96	6,016.96	0.00	0.00	0.00
11,400.00	90.41	136.474	6,063.80	-4,474.58	4,170.82	6,116.96	0.00	0.00	0.00
11,500.00	90.41	136.474	6,063.08	-4,547.08	4,239.69	6,216.96	0.00	0.00	0.00
11,600.00	90.41	136.474	6,062.36	-4,619.59	4,308.56	6,316.95	0.00	0.00	0.00
11,700.00	90.41	136.474	6,061.64	-4,692.09	4,377.42	6,416.95	0.00	0.00	0.00
11,800.00	90.41	136.474	6,060.92	-4,764.60	4,446.29	6,516.94	0.00	0.00	0.00
11,900.00	90.41	136.474	6,060.20	-4,837.10	4,515.15	6,616.94	0.00	0.00	0.00
12,000.00	90.41	136.474	6,059.48	-4,909.60	4,584.02	6,716.93	0.00	0.00	0.00
12,100.00	90.41	136.474	6,058.77	-4,982.11	4,652.89	6,816.93	0.00	0.00	0.00
12,200.00	90.41	136.474	6,058.05	-5,054.61	4,721.75	6,916.92	0.00	0.00	0.00
12,300.00	90.41	136.474	6,057.33	-5,127.12	4,790.62	7,016.92	0.00	0.00	0.00
12,400.00	90.41	136.474	6,056.61	-5,199.62	4,859.49	7,116.92	0.00	0.00	0.00
12,500.00	90.41	136.474	6,055.89	-5,272.13	4,928.35	7,216.91	0.00	0.00	0.00
12,600.00	90.41	136.474	6,055.17	-5,344.63	4,997.22	7,316.91	0.00	0.00	0.00
12,700.00	90.41	136.474	6,054.45	-5,417.14	5,066.08	7,416.90	0.00	0.00	0.00
12,800.00	90.41	136.474	6,053.73	-5,489.64	5,134.95	7,516.90	0.00	0.00	0.00
12,900.00	90.41	136.474	6,053.02	-5,562.15	5,203.82	7,616.89	0.00	0.00	0.00
13,000.00	90.41	136.474	6,052.30	-5,634.65	5,272.68	7,716.89	0.00	0.00	0.00
13,100.00	90.41	136.474	6,051.58	-5,707.16	5,341.55	7,816.88	0.00	0.00	0.00
13,200.00	90.41	136.474	6,050.86	-5,779.66	5,410.42	7,916.88	0.00	0.00	0.00
13,300.00	90.41	136.474	6,050.14	-5,852.16	5,479.28	8,016.88	0.00	0.00	0.00
13,400.00	90.41	136.474	6,049.42	-5,924.67	5,548.15	8,116.87	0.00	0.00	0.00
13,500.00	90.41	136.474	6,048.70	-5,997.17	5,617.02	8,216.87	0.00	0.00	0.00
13,600.00	90.41	136.474	6,047.99	-6,069.68	5,685.88	8,316.86	0.00	0.00	0.00
13,700.00	90.41	136.474	6,047.27	-6,142.18	5,754.75	8,416.86	0.00	0.00	0.00
13,800.00	90.41	136.474	6,046.55	-6,214.69	5,823.61	8,516.85	0.00	0.00	0.00
13,900.00	90.41	136.474	6,045.83	-6,287.19	5,892.48	8,616.85	0.00	0.00	0.00
14,000.00	90.41	136.474	6,045.11	-6,359.70	5,961.35	8,716.84	0.00	0.00	0.00
14,100.00	90.41	136.474	6,044.39	-6,432.20	6,030.21	8,816.84	0.00	0.00	0.00
14,200.00	90.41	136.474	6,043.67	-6,504.71	6,099.08	8,916.84	0.00	0.00	0.00
14,300.00	90.41	136.474	6,042.95	-6,577.21	6,167.95	9,016.83	0.00	0.00	0.00
14,400.00	90.41	136.474	6,042.24	-6,649.72	6,236.81	9,116.83	0.00	0.00	0.00
14,500.00	90.41	136.474	6,041.52	-6,722.22	6,305.68	9,216.82	0.00	0.00	0.00
14,600.00	90.41	136.474	6,040.80	-6,794.72	6,374.54	9,316.82	0.00	0.00	0.00
14,700.00	90.41	136.474	6,040.08	-6,867.23	6,443.41	9,416.81	0.00	0.00	0.00
14,711.15	90.41	136.474	6,040.00	-6,875.31	6,451.09	9,427.96	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC
Planning Report

LONESTAR CONSULTING

Database:	DJR	**Local Co-ordinate Reference:**	Well # 02H - Slot 2
Company:	DJR Operating	**TVD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Project:	Non-unit	**MD Reference:**	GL 7322' & RKB 14' @ 7336.00usft (Aztec 920)
Site:	A12 2408 Pad	**North Reference:**	True
Well:	# 02H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 2		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
02H Toe - plan hits target center - Circle (radius 100.00)	0.00	0.000	6,040.00	-6,875.31	6,451.09	1,933,391.81	2,790,426.78	36.31322030	-107.60477930
02H Heel - plan hits target center - Circle (radius 50.00)	0.00	0.000	6,099.00	-922.79	797.27	1,939,332.23	2,784,760.25	36.32957403	-107.62396930

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
350.00	350.00	Surface Casing	9.62	12.25
6,441.16	6,096.59	Intermediate Casing	7.00	8.75

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,979.91	1,971.00	Ojo Alamo		0.00	0.000
2,135.01	2,125.00	Kirtland		0.00	0.000
2,393.86	2,382.00	Fruitland		0.00	0.000
2,691.98	2,678.00	Pictured Cliffs		0.00	0.000
2,776.58	2,762.00	Lewis		0.00	0.000
3,493.68	3,474.00	Chacra		0.00	0.000
4,235.96	4,211.00	Menefee		0.00	0.000
4,984.29	4,954.00	Point Lookout		0.00	0.000
5,220.97	5,189.00	Mancos		0.00	0.000
5,652.86	5,617.00	Mancos Silt		0.00	0.000
6,180.32	6,022.00	Gallup A		0.00	0.000
6,336.66	6,079.00	Gallup B		0.00	0.000

Conditions of Approval

Operator:	DJR Operating, LLC
Well Names:	Escrito A12 2408 01H, 02H, 03H, 04H and 05H Escrito C17 2407 01H, 03H, 05H and Escrito Gallup Unit 02H, 04H
Legal Location:	Sec 12, T24N, R08W, San Juan County, NM and Sec 17, T24N R07W, Rio Arriba County, NM
NEPA Log Number:	DOI-BLM-NM-F010-2022-0061-EA
Inspection Date:	April 20, 2021
Lease Numbers:	NMNM-03595 and NMNM-0557389

The following conditions of approval will apply to DJR Operating's Escrito A12-2408 and C17-2407 Cluster Oil and Natural Gas Wells Project, and other associated facilities, unless a particular Surface Managing Agency or private surface owner has supplied to Bureau of Land Management and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in an assessment or civil penalties pursuant to 43 CFR 3163.1 or 3163.2.

Disclaimers: BLM's approval of the APD does not relieve the lessee and operator from obtaining any other authorizations that may be required by the BIA, Navajo Tribe, State, or other jurisdictional entities.

Copy of Plans: A complete copy of the APD package, including Surface Use Plan of Operations, Bare Soil Reclamation Plan, Plan of Development (if required), Conditions of Approval, Cultural Resource Record of Review, Cultural Resources Compliance Form (if required), and Project Stipulations (if required) shall be at the project area at all times and available to all persons.

Review of NEPA documents: It is the responsibility of the operator to follow all the design features, best management practices, and mitigation measures as contained in the Environmental Assessment DOI-BLM-NM-F010-2022-0061-EA, which contains additional design features and best management practices that must be followed. Copies of the EA, Decision Record, and Finding of No Significant Impact may be obtained from the BLM FFO public room, or online at: EplanningUi (blm.gov).

Best Management Practices (BMPs): Farmington Field Office established environmental Best Management Practices (BMP's) will be followed during construction and reclamation of well site pads, access roads, pipeline ties, facility placement or any other surface disturbing activity associated with this project. Bureau wide standard BMP's are found in the Gold Book, Fourth Edition-Revised 2007 and at http://www.blm.gov/wo/st/en/prog/energy/oil_and_gas/best_management_practices.html. Farmington Field Office BMPs are integrated into the Environmental Assessment, Surface Use Plan of Operations, Bare Soil Reclamation Plan, and COAs.

Construction, Production, Facilities, Reclamation & Maintenance

Construction & Reclamation Notification: The operator or their contractor will contact the Bureau of Land Management, Farmington Field Office Surface and Environmental Protection Staff (505) 564-7600 or by email, at least 48 hours prior to any construction or reclamation on this project.

Production Facilities: design and layout of facilities will be deferred until an onsite with BLM-FFO surface protection staff is conducted to determine the best location. The Operator or their contractor will contact the Bureau of Land Management, Farmington Field Office, Surface and Environmental Protection Staff (505) 564-7600 to schedule a facility layout onsite.

Staking: The holder shall place slope stakes, culvert location and grade stakes, and other construction control stakes as deemed necessary by the authorized officer to ensure construction in accordance with the plan of development. If stakes are disturbed, they shall be replaced before proceeding with construction.

Weather: No construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil shall be deemed too wet.

Stockpile of Soil: The top 6 inches of soil material will be stripped and stockpiled in the construction zones around the pad [construction zones may be restricted or deleted to provide resource avoidance]. The stockpiled soil will be free of brush and tree limbs, trunks, and roots. The stockpiled soil material will be spread on the reclaimed portions of the pad [including the reserve pit, cut and fill slopes] prior to re-seeding. Spreading shall not be done when the ground or topsoil is frozen or wet.

Painting of Equipment: Within 90 days of installation, all above ground structures not subject to safety requirements shall be painted by the Holder to blend with the natural color of the landscape. A reflective material may be used to reduce hazards that may occur when such structures are near roads. Otherwise, the paint use shall be a non-glare, non-reflective, non-chalking color of: Federal 595a-34127 (Juniper Green).

Storage Tanks: All open top permanent production or storage tanks regardless of diameter made of fiberglass, steel, or other material used for the containment of oil, condensate, produced water and or other production waste shall be screened, netted, or otherwise covered to protect migratory birds and other wildlife from access.

Compressors: Compressor units on this well location not equipped with a drip pan for containment of fluids shall be lined with an impervious material at least 8 mils thick and a 12-inch berm. The compressor will be painted to match the well facilities. Any variance to this will be approved by the Authorized Officer (AO). Noise mitigation may be required at the time of compressor installation.

Culverts: Silt Traps/Bell Holes will be built upstream of all culvert locations.

Driving Surface Area: All activities associated within the construction, operation, maintenance, and abandonment of the well location is limited to areas approved in the APD or ROW permit. During the production of the well, vehicular traffic is limited to the daily driving surface area established during interim reclamation construction operations. This area typically forms a keyhole or teardrop driving surface from which all production facilities may be serviced or inspected. A v-type ditch will be constructed on the outside of the driving surface to further define the driving surface and to deter vehicular traffic from entering onto the interim reclamation areas.

Contouring of Cut and Fill Slopes: The interim cut and fill slope grade shall be as close to the original contour as possible. To obtain this ratio, pits and slopes shall be back sloped into the pad

during interim reclamation. Only subsurface soil and material shall be utilized in the contouring of the cut and fill slopes. Under no circumstances shall topsoil be utilized as substrate material for contouring of cut and fill slopes.

Maintenance: In order to perform subsequent well operations, right-of-way (ROW) operations, or install new/additional equipment, it may be necessary to drive, park, and operate on restored, interim vegetation within the previously disturbed area. This is generally acceptable provided damage is promptly repaired and reclaimed following use. Where vehicular travel has occurred as a "convenience" and interim reclamation/vegetation has been compromised, immediate remediation of the affected areas is required. Additionally, where erosion has occurred and compromised the reclamation of the well location, the affected area must be promptly remediated so that future erosion is prevented, and the landform is stabilized.

Layflat Lines: Layflat lines used for development of the wells may be on the ground for a maximum of 6 months and shall be retrieved immediately following completion operations. If the layflat lines are needed for longer than 6 months a Sundry NOI shall be submitted to the BLM FFO for review and decision that includes a rationale for the time extension.
The holder or its contractors will notify the BLM of any fires and comply with all rules and regulations administered by the BLM concerning the use, prevention and suppression of fires on federal lands, including any fire prevention orders that may be in effect at the time of the permitted activity. The holder or its contractors may be held liable for the cost of fire suppression, stabilization and rehabilitation. In the event of a fire, personal safety will be the first priority of the holder or its contractors.

"Hotwork" and Construction Affecting Fire Safety: The holder or its contractors shall:

1. Operate all internal and external combustion engines (including off-highway vehicles, chainsaws, generators, heavy equipment, etc.) with a qualified spark arrester. Qualified spark arresters are maintained and not modified, and meet the Society of Automotive Engineers (SAE) Recommended Practices J335 or J350. Refer to 43 CFR §8343.1.
    a. *Refueling of any combustible engine equipment must be minimum of 3 meters away from any ignition source (open flame, smoking, etc.).*
2. Maintain and clean all equipment regularly to remove flammable debris buildup and prevent fluid leaks that can lead to ignitions.
3. Carry at least one shovel or wildland fire hand tool (combi, Pulaski, McLeod) per person working, minimum 5 gallons of water, and a fire extinguisher rated at a minimum as ABC - 10 pound on each piece of equipment and each vehicle.
4. When conducting "hotwork" such as, but not limited to welding, grinding, cutting, spark-producing work with metal, work that creates hot material or slag; choose an area large enough to contain all hot material that is naturally free of all flammable vegetation or remove the flammable vegetation in a manner compliant with the permitted activity. If adequate clearance cannot be made, wet an area large enough to contain all hot material prior to the activity and periodically throughout the activity to reduce the risk of wildfire ignition. Regardless of clearance, maintain readiness to respond to an ignition at all times. In addition, keep one hand tool per person and at least one fire extinguisher ready, minimum, as specified earlier (#3) during this activity.
5. Keep apprised of current and forecasted weather at https://www.weather.gov/abq/forecasts-fireweather-links and fire conditions at www.wfas.net and take additional fire precautions when fire danger is rated High or greater. Red Flag Warnings are issued by the National Weather Service when fire conditions are most dangerous, and ignitions escape control

quickly. Extra precautions are required during these warnings such as additional water, designate a fire watch/patrol and tools. If work is being conducted in an area that is not clear of vegetation within 50 feet of work area; then, when fire danger is rated High or greater and 1. There is a predicted Red Flag warning for your area or 2. If winds are predicted to be greater than 10 mph, stop all hotwork activities for the day at 10 am.

6. In the event of an ignition, initiate fire suppression actions in the work area to prevent fire spread to or on federally administered lands. If a fire spreads beyond the capability of workers with the stipulated tools, all will cease fire suppression action and leave the area immediately via pre-identified escape routes.
7. Call **911** or the **Taos Interagency Fire Dispatch Center (575-758-6208)** immediately of the location and status of any fire.

AND

Notify the respective BLM field office for which the permit or contract was issued immediately of the incident.

Farmington Field Office at 505-564-7600

Taos Field Office at 575-758-8851

Noxious Weeds

Inventory the proposed site for the presence of noxious and invasive weeds. Noxious weeds are those listed on the New Mexico Noxious Weed List and USDA's Federal Noxious Weed List. The New Mexico Noxious Weed List or USDA's Noxious Weed List can be updated at any time and should be regularly check for any changes. Invasive species may or may not be listed as a noxious weed but have been identified to likely cause economic or environmental harm or harm to human health. The following noxious weeds have been identified as occurring on lands within the boundaries of the Farmington Field Office (FFO). There are numerous invasive species on the FFO such as Russian thistle (*Salsola spp.)* and field bindweed (*Convolvulus arvensis*).

Russian Knapweed (*Centaurea repens*)	Musk Thistle (*Carduss nutans*)
Bull Thistle (*Cirsium vulgare*)	Canada Thistle (*Cirsium arvense*)
Scotch Thistle (*Onopordum acanthium)*	Hoary Cress (*Cardaria draba*)
Perennial Pepperweed (*Lepdium latiofolfium*)	Halogeton (*Halogeton glomeratus*)
Spotted Knapweed (*Centaurea maculosa*)	Dalmation Toadflax (*Linaria genistifolia*)
Yellow Toadflax (*Linaria vulgaris*)	Camelthorn (*Alhagi pseudalhagi*)
African Rue (*Penganum harmala*)	Salt Cedar (*Tamarix spp*.)
Diffuse Knapweed (*Centaurea diffusa*)	Leafy Spurge (*Euphorbia esula*)

a. Identified weeds will be treated prior to new surface disturbance if determined by the FFO Noxious Weed Coordinator. A Pesticide Use Proposal (PUP) must be submitted to and approved by the FFO Noxious Weed Coordinator prior to application of pesticide. The FFO Noxious Weeds Coordinator (505-564-7600) can provide assistance in the development of the PUP.

b. Vehicles and equipment should be inspected and cleaned prior to coming onto the work site. This is especially important on vehicles from out of state or if coming from a weed-infested site.

c. Fill dirt or gravel may be needed for excavation, road construction/repair, or for spill remediation. If fill dirt or gravel will be required, the source shall be noxious weed free and approved by the FFO Noxious Weed Coordinator.

d. The site shall be monitored for the life of the project for the presence of noxious weeds (includes maintenance and construction activities). If weeds are found the FFO Coordinator shall be notified at (505) 564-7600 and provided with a Weed Management Plan and if necessary, a Pesticide Use Proposal (PUP). The FFO Coordinator can provide assistance developing the Weed Management Plan and/or the Pesticide Use Proposal.

e. Only pesticides authorized for use on BLM lands would be used and applied by a licensed pesticide applicator. The use of pesticides would comply with federal and state laws and used only in accordance with their registered use and limitations. DJR's weed-control contractor would contact the BLM-FFO prior to using these chemicals.

f. Noxious/invasive weed treatments must be reported to the FFO Noxious Weed Coordinator. A Pesticide Use Report (PUR) is required to report any mechanical, chemical, biological, or cultural treatments used to eradicate, and/or control noxious or invasive species. Reporting will be required quarterly and annually or per request from the FFO Noxious Weed Coordinator.

Bare ground vegetation trim-out: If bare ground vegetation treatment (trim-out) is desired around facility structures, the operator will submit a bare ground/trim-out design included in their Surface Use Plan of Operations (SUPO). The design will address vegetation safety concerns of the operator and BLM while minimizing impacts to interim reclamation efforts. The design must include what structures to be treated and buffer distances of trim-out. Pesticide use for vegetation control around anchor structures is not approved. If pesticides are used for bare ground trim-out, the trim-out will not exceed three feet from the edge of any eligible permanent structure (i.e., well heads, fences, tanks). Additional distance/areas may be requested and must be approved by the FFO authorized officer. The additional information below must also be provided to the FFO:

a. Pesticide use for trim out will require a Pesticide Use Proposal (PUP). A PUP is required ***prior*** to any treatment and must be approved by the FFO Noxious Weed Coordinator. Only pesticides authorized for use on BLM lands would be used and applied by a licensed pesticide applicator. The use of pesticides would comply with federal and state laws and used only in accordance with their registered use and limitations. Enduring's

weed-control contractor would contact the BLM-FFO prior to using these chemicals and provide Pesticide Use Reports (PURs) post treatment.

b. A Pesticide Use Report (PUR) or a Biological Use Report (BUR) is required to report any chemical, or biological treatments used to eradicate, or control vegetation on site. Reporting will be required quarterly and annually or per request from the FFO Noxious Weed Coordinator.

Paleontology
Any paleontological resource discovered by the Operator, or any person working on his behalf, on public or Federal land shall be immediately reported to the Authorized Officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant scientific values. The Holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the Authorized Officer after consulting with the Holder.

Visual Resources
Dark Sky COAs need to be applied to existing lighting, which is not dark sky friendly and to any additional lights added as part of pad expansion. All permanent lighting will use full cutoff luminaires, which are fully shielded (i.e., not emitting direct or indirect light above an imaginary horizontal plane passing through the lowest part of the light source). All permanent lighting will be pointed straight down at the ground in order to prevent light spill to the sides. All permanent lighting will be 4000° Kelvin or less with 3000° Kelvin preferred. Warmer light colors are less noticeable by humans and cause less impact to wildlife. All permanent lighting will be controlled by a switch and/or timer which allows the lights to be turned on when workers are on location during dark periods but will keep the lights off the majority of the time.

Wildlife Resources

Crow Mesa Wildlife SDA: F-4 Timing Limitation Stipulation - Important Seasonal Wildlife Habitat. No surface use for is allowed during the following time period: December 1 - March 31.

Wildlife Improvements: Two stock ponds will be constructed to BLM specifications as mitigation for the removal of the HSP project North Crow Mesa Harrow #1 (mule deer and elk habitat) by the construction of the Escrito C17-2407 well pad as stated in the EA.

Hazards: Wildlife hazards associated with the proposed project would be fenced, covered, and/or contained in storage tanks, as necessary.

Migratory Bird: The BLM FFO migratory bird policy requires a bird nest survey between May 15-July 31 for any projects that would remove 4.0 or more acres of vegetation. The proposed project will disturb more than 4.0 acres of vegetation and a survey is required if construction occurs within the specified time frame. Once drilling and completion activities are complete, any open water that could be harmful to birds and wildlife. must be covered, screened, or netted to prevent entry.

Threatened, Endangered or Sensitive Species: If, in operations the operator/holder discovers any Threatened, Endangered, or Sensitive species, work in the vicinity of the discovery will be suspended and the discovery promptly reported to the BLM-FFO T&E specialist at (505) 564-7600. The BLM-FFO will then specify what action is to be taken. Failure to notify the BLM-FFO about a discovery may result in civil or criminal penalties in accordance with The Endangered Species Act (as amended).

Nesting: If a bird nest containing eggs or young is encountered in the path of construction the operator will cease construction and consult with BLM to determine appropriate actions.

Livestock Grazing: Livestock grazing operators in the vicinity of the proposed project area would be contacted by the Operator at least 10 business days prior to construction. The operator is not obligated to cease or delay construction unless directed by the AO. Any range improvement (fences, pipelines, ponds, etc.) disturbed by construction activities will be repaired immediately following construction and will be repaired to the condition the improvement was in prior to disturbance. Cattle guards will be installed to replace any livestock fencing or gates removed for road construction. No holes would be left open overnight. Open holes would be barricaded to ensure the safety of livestock. If livestock are present, providing monitors or barriers to ensure livestock do not come into contact with hazards (i.e., fencing of exposed ditch-type holes and covering smaller holes is required during each active bore hole construction during periods when personnel are not present on the site). Safety meetings or briefs to employees to increase awareness about livestock (i.e., open range and driving speeds to avoid livestock collisions). Containment of any contaminants, fluid leaks, or hazards that could cause injury to livestock (i.e antifreeze for compressors, drilling pits, equipment, pump jacks).

Soil, Air, Water

Land Farming: No excavation, remediation or closure activities will be authorized without prior approval, on any federal or Indian mineral estate, federal surface, or federal ROW. A Sundry Notice (DOI, BLM Form 3160-5) must be submitted with an explanation of the remediation or closure plan for on-lease actions.

Emission Control Standard: Compressor engines 300 horsepower or less used during well production must be rated by the manufacturer as emitting NOx at 2 grams per horsepower hour or less to comply with the New Mexico Environmental Department, Air Quality Bureau's guidance.

Waste Disposal: All fluids (i.e., scrubber cleaners) used during washing of production equipment, including compressors, will be properly disposed of to avoid ground contamination, or hazard to livestock or wildlife.

Cultural Resources

Non-Permitted Disturbance: Construction, construction maintenance or any other activity outside the areas permitted by the APD will require additional approval and may require a new cultural survey and clearance.

Employee Education: All employees of the project, including the Project Sponsor and its contractors and sub-contractors will be informed that cultural sites are to be avoided by all personnel, personal vehicles, and company equipment. They will also be notified that it is illegal to collect, damage, or disturb cultural resources, and that such activities are punishable by criminal and or administrative penalties under the provisions of the Archaeological Resources Protection Act (16 U.S.C. 470aa-mm) when on federal land and the New Mexico Cultural Properties Act NMSA 1978 when on state land.

Discovery of Cultural Resources in the Absence of Monitoring: Discovery of Cultural Resources in the Absence of Monitoring: If, in its operations, operator/holder discovers any previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the discovery promptly reported to BLM Field Manager. BLM will then specify what action is to be taken. If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery in accordance with 36 CFR Section 800.13, in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property, **or in accordance with an approved program alternative.** Minor recordation, stabilization, or data recovery may be performed by BLM or a third party acting on its behalf, such as a permitted cultural resources consultant. If warranted, more extensive **archaeological or alternative mitigation,** likely implemented by a permitted cultural resources consultant, may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any **mitigations determined appropriate through the agency's Section 106 consultation are completed**. Failure to notify the BLM about a discovery may result in civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, **the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws**.

Discovery of Cultural Resources during Monitoring: If monitoring confirms the presence of previously unidentified historic or prehistoric cultural resources, then work in the vicinity of the discovery will be suspended and the monitor will promptly report the discovery to the BLM Field Manager. BLM will then specify what action is to be taken. **If there is an approved "discovery plan" in place for the project, then the plan will be executed. In the absence of an approved plan, the BLM will evaluate the significance of the discovery in accordance with 36 CFR Section 800.13, in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property, or in accordance with an approved program alternative. Minor recordation, stabilization, or data recovery may be performed by BLM**

or a third party acting on its behalf, such as a permitted cultural resources consultant. If warranted, more extensive archaeological or alternative mitigation, likely implemented by a permitted cultural resources consultant, may be required of the operator/holder prior to allowing the project to proceed. Further damage to significant cultural resources will not be allowed until any mitigations determined appropriate through the agency's Section 106 consultation are completed.

Damage to Sites: If, in its operations, operator/holder damages, or is found to have damaged any previously documented or undocumented historic or prehistoric cultural resources, excluding "discoveries" as noted above, the operator/holder agrees at his/her expense to have a permitted cultural resources consultant prepare a BLM approved damage assessment and/or data recovery plan. The operator/holder agrees at his/her expense to implement a **mitigation** that the agency finds appropriate given the significance of the site, which the agency determines in consultation with the appropriate State or Tribal Historic Preservation Officer(s) and Indian tribe(s) that might attach religious and cultural significance to the affected property. **This mitigation may entail execution of the data recovery plan by a permitted cultural resources consultant and/or alternative mitigations.** Damage to cultural resources may result in **civil or criminal penalties in accordance with the Archeological Resources Protection Act (ARPA) of 1979, as amended, the Native American Graves Protection and Repatriation Act (NAGRPA) of 1990, as amended, and other applicable laws.**

See below additional cultural stipulations.

United States Department of the Interior

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

In Reply Refer To:
3162.3-1(NMF0110)

* DJR OPERATING LLC

#2H ESCRITO A12-2408

Lease: NMNM117566
SH: NE¼NE¼ Section 12, T.24 N., R.8 W.
San Juan County, New Mexico
BH: NW¼SW¼ Section 17,T.24 N., R.7 W.
Rio Arriba 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, regulations, and Onshore Orders, 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.

H. Unless drilling operations are commenced within two years, approval of the Application for Permit to Drill will expire. A written request for a two years extension may be granted if submitted prior to expiration.

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.

B. Emergency program changes after hours contact:

Virgil Lucero (505) 793-1836

Approval Date: 12/21/2023

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 298883

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 298883
	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	1/29/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	1/29/2024
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	1/29/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	1/29/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	1/29/2024
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	1/29/2024