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. 30-039-31457

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
30-039-31457	22619	ESCRITO GALLUP

[4] Property Code	[5] Property Name	[6] Well Number
335219	ESCRITO C17-2407	05H

[7] OGRID No.	[8] Operator Name	[9] Elevation
371838	DJR OPERATING, LLC	7284'

[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
C	17	24N	7W		926'	NORTH	1752'	WEST	RIO ARRIBA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	6	24N	7W		799'	SOUTH	1354'	WEST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
PENETRATED SPACING UNIT; SEC 8: SE/SW, SW/SW & NW/SW (120 AC.); SEC 7: NE/SE, SE/NE, SW/NE, NW/NE, & NE/NW (200 AC.); SEC 6: SWSW & SE/SE (80.34 AC) = 400.34 ACRES			

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

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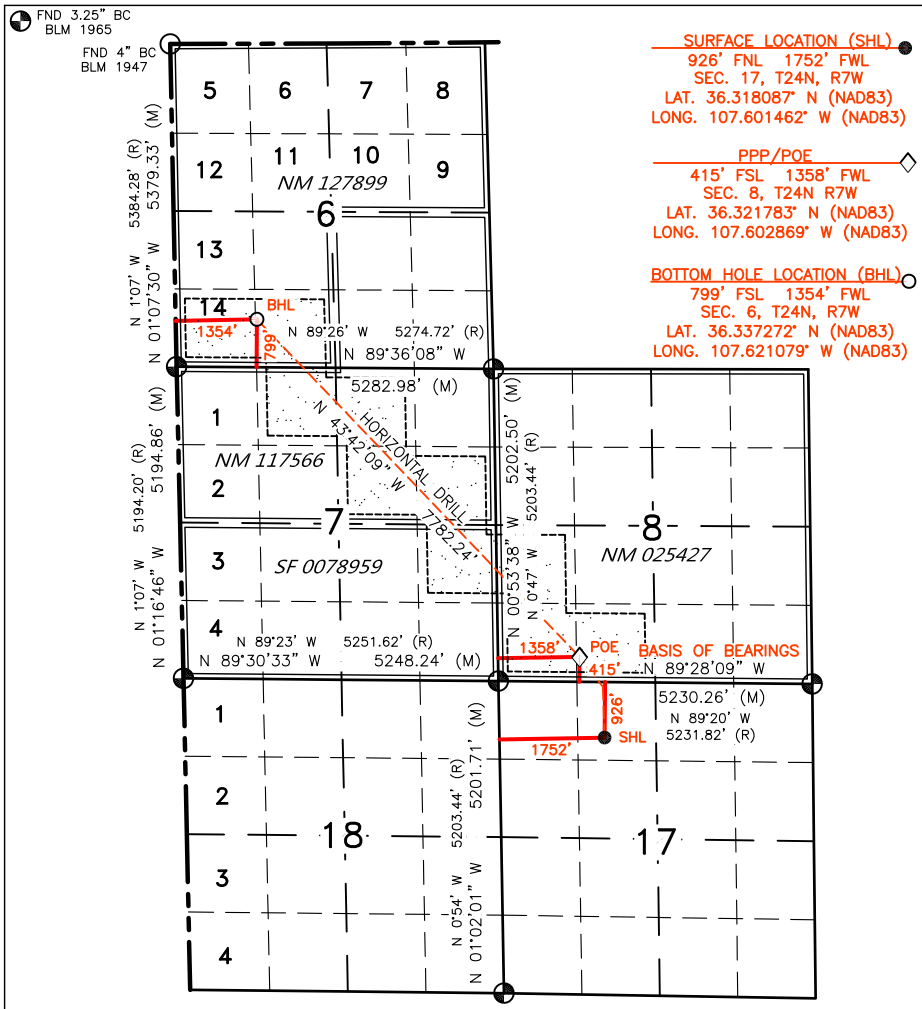

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[17] OPERATOR CERTIFICATION

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 02/24/22
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.

AUGUST 31, 2020
Date of Survey

Signature and Seal of Professional Surveyor:

HENRY P. BROADHURST
NEW MEXICO
11393
02/24/2022
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_/_3_/_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 C17-2407 01H	TBD	C-17-24N-07W	974 FNL x 1687 FWL	410	610	145
Escrito Gallup Unit 02H	TBD	C-17-24N-07W	950 FNL x 1719 FWL	205	305	75
Escrito C17-2407 03H	TBD	C-17-24N-07W	962 FNL x 1703 FWL	355	530	130
Escrito Gallup Unit 04H	TBD	C-17-24N-07W	938 FNL x 1736 FWL	220	325	80
Escrito C17-2407 05H	TBD	C-17-24N-07W	926 FNL x 1753 FWL	300	450	110

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 C17-2407 01H	TBD	4/9/2024	4/19/2024	7/15/2024	7/25/2024	7/27/2024
Escrito Gallup Unit 02H	TBD	4/10/2024	4/20/2024	7/15/2024	7/27/2024	7/29/2024
Escrito C17-2407 03H	TBD	4/11/2024	4/21/2024	7/15/2024	7/28/2024	7/30/2024
Escrito Gallup Unit 04H	TBD	4/12/2024	4/22/2024	7/15/2024	7/29/2024	8/1/2024
Escrito C17-2407 05H	TBD	4/13/2024	4/23/2024	7/15/2024	7/30/2024	8/2/2024

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: Shaw-Marie Ford
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@djrllc.com
Date: 1/3/2024
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

DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Escrito C17-2407 01H, 03H, 05H, and
Escrito Gallup Unit 02H and 04H
NENW C-17-24N-07W

SEPARATION EQUIPMENT

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

Separation equipment will be set as follows:

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

Heater treaters will be set as follows:

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

Vapor Recovery Equipment will be set as follows:

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

Production storage tanks will be set as follows:

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

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Aztec, NM 87410

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Fax (505) 632-8151

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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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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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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.

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Rev 1

DJR Operating

DRILLING PLAN
Escrito C17-2407 05H
Rio Arriba County, New Mexico

Surface Location
1752-ft FWL & 926-ft FNL
Sec 17 T24N R07W
Graded Elevation 7284' MSL
RKB Elevation 7298' (14' KB)

SHL Geographical Coordinates (NAD-83)
Latitude 36.3180870° N
Longitude 107.6014620° W

Kick Off Point for Horizontal Build Curve
5582-ft MD
5509-ft TVD

Local Coordinates (from SHL)
847-ft North
28-ft West

Heel Location (Pay zone entry)
1358-ft FWL & 415-ft FSL
Sec 8 T24N R07W

Heel Geographical Coordinates (NAD-83)
Latitude 36.3217834° N
Longitude 107.60286890° W

Bottom Hole Location (TD)
1354-ft FWL & 799-ft FSL
Sec 6 T24N R07W

BHL Geographical Coordinates (NAD-83)
Latitude 36.33727215° N
Longitude 107.6210794° W

Well objectives
This well is planned as a 7780-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	1950	1932	Sd	W	8.3	8.4 – 8.8
Kirtland	2106	2086	Sh	-	8.3	8.4 – 8.8
Fruitland	2367	2343	C	G	8.3	9.0 - 9.5
Pictured Cliffs	2665	2636	Sd	W	8.3	9.0 - 9.5
Lewis	3476	3435	Sh	-		9.0 - 9.5
Chacra	4206	4154	Sd	-	8.3	9.0 - 9.5
Menefee	4224	4172	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	4978	4915	Sd	-	8.3	9.0 - 9.5
Mancos	5217	5150	Sh	-		9.0 - 9.5
Mancos Silt	5652	5578	Slt	O/G	6.6	9.0 - 9.5
Gallup A	6163	5974	Slt	O/G	6.6	9.0 - 9.5
Gallup B	6339	6040	Sd	O/G	6.6	8.8 -9.0
Gallup C	NP	NP	Sd	O/G	6.6	8.8 -9.0
Target	6496	6060	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	6443	surf	6058	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	6163	14278	5974	6100	6163

Note: all casing will be new

Rev 1

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	5082-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.34	1.50
Mix water (gal/sx)	13.26	7.20
Volume (sx)	496	218
Volume (bbls)	207	58
Volume (cu.ft.)	1161	326
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)	682
Volume (bbls)	190
Volume (cu.ft)	1066
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 – 6443	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	6443 – 14278	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

Escrito Area
C17 2407 Pad
 # 5H - Slot 1

Original Drilling

Plan: APD Rev 1

Standard Planning Report

28 January, 2022

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	Grand Junction	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Company:	DJR Operating	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Project:	Escrito Area	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site:	C17 2407 Pad	**North Reference:**	True
Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Project Escrito Area

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

Site C17 2407 Pad

Site Position:		**Northing:**	1,935,165.75 usft	**Latitude:**	36.31808700
From:	Lat/Long	**Easting:**	2,791,399.86 usft	**Longitude:**	-107.60146200
Position Uncertainty:	0 ft	**Slot Radius:**	13.20 in	**Grid Convergence:**	0.14 °

Well # 5H - Slot 1

Well Position	**+N/-S**	0 ft	**Northing:**	1,935,165.75 usft	**Latitude:**	36.31808700
	+E/-W	0 ft	**Easting:**	2,791,399.86 usft	**Longitude:**	-107.60146200
Position Uncertainty		0 ft	**Wellhead Elevation:**		**Ground Level:**	7284 ft

Wellbore Original Drilling

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	8/12/2020	8.58	62.87	49,364.70000000

Design APD Rev 1

Audit Notes:

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

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	320.40

Plan Survey Tool Program **Date** 1/29/2022

	Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0	14,278	APD Rev 1 (Original Drilling)	MWD+HDGM	
				OWSG MWD + HDGM	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	
425	0.00	0.00	425	0	0	0.00	0.00	0.00	0.00	
922	9.94	358.12	919	43	-1	2.00	2.00	0.00	358.12	
5582	9.94	358.12	5509	847	-28	0.00	0.00	0.00	0.00	
6496	89.71	316.43	6060	1346	-414	9.00	8.72	-4.56	-42.15	C17 #005H heel
14,278	89.71	316.43	6100	6985	-5778	0.00	0.00	0.00	0.00	C17 #005H toe rev 1

DJR Operating

Lonestar Consulting, LLC

Planning Report

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Project:	Escrito Area	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site:	C17 2407 Pad	**North Reference:**	True
Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00
100	0.00	0.00	100	0	0	0	0.00	0.00	0.00
200	0.00	0.00	200	0	0	0	0.00	0.00	0.00
300	0.00	0.00	300	0	0	0	0.00	0.00	0.00
400	0.00	0.00	400	0	0	0	0.00	0.00	0.00
425	0.00	0.00	425	0	0	0	0.00	0.00	0.00
500	1.50	358.12	500	1	0	1	2.00	2.00	0.00
600	3.50	358.12	600	5	0	4	2.00	2.00	0.00
700	5.50	358.12	700	13	0	10	2.00	2.00	0.00
800	7.50	358.12	799	24	-1	19	2.00	2.00	0.00
900	9.50	358.12	898	39	-1	31	2.00	2.00	0.00
922	9.94	358.12	919	43	-1	34	2.00	2.00	0.00
1000	9.94	358.12	996	56	-2	45	0.00	0.00	0.00
1100	9.94	358.12	1095	74	-2	58	0.00	0.00	0.00
1200	9.94	358.12	1193	91	-3	72	0.00	0.00	0.00
1300	9.94	358.12	1292	108	-4	86	0.00	0.00	0.00
1400	9.94	358.12	1390	125	-4	99	0.00	0.00	0.00
1500	9.94	358.12	1489	143	-5	113	0.00	0.00	0.00
1600	9.94	358.12	1587	160	-5	127	0.00	0.00	0.00
1700	9.94	358.12	1686	177	-6	140	0.00	0.00	0.00
1800	9.94	358.12	1784	194	-6	154	0.00	0.00	0.00
1900	9.94	358.12	1883	212	-7	168	0.00	0.00	0.00
2000	9.94	358.12	1981	229	-8	181	0.00	0.00	0.00
2100	9.94	358.12	2080	246	-8	195	0.00	0.00	0.00
2200	9.94	358.12	2178	263	-9	208	0.00	0.00	0.00
2300	9.94	358.12	2277	281	-9	222	0.00	0.00	0.00
2400	9.94	358.12	2375	298	-10	236	0.00	0.00	0.00
2500	9.94	358.12	2474	315	-10	249	0.00	0.00	0.00
2600	9.94	358.12	2572	332	-11	263	0.00	0.00	0.00
2700	9.94	358.12	2671	350	-12	277	0.00	0.00	0.00
2800	9.94	358.12	2769	367	-12	290	0.00	0.00	0.00
2900	9.94	358.12	2868	384	-13	304	0.00	0.00	0.00
3000	9.94	358.12	2966	401	-13	318	0.00	0.00	0.00
3100	9.94	358.12	3065	419	-14	331	0.00	0.00	0.00
3200	9.94	358.12	3163	436	-14	345	0.00	0.00	0.00
3300	9.94	358.12	3262	453	-15	359	0.00	0.00	0.00
3400	9.94	358.12	3360	470	-15	372	0.00	0.00	0.00
3500	9.94	358.12	3459	488	-16	386	0.00	0.00	0.00
3600	9.94	358.12	3557	505	-17	400	0.00	0.00	0.00
3700	9.94	358.12	3656	522	-17	413	0.00	0.00	0.00
3800	9.94	358.12	3754	539	-18	427	0.00	0.00	0.00
3900	9.94	358.12	3853	557	-18	441	0.00	0.00	0.00
4000	9.94	358.12	3951	574	-19	454	0.00	0.00	0.00
4100	9.94	358.12	4050	591	-19	468	0.00	0.00	0.00
4200	9.94	358.12	4148	608	-20	481	0.00	0.00	0.00
4300	9.94	358.12	4247	626	-21	495	0.00	0.00	0.00
4400	9.94	358.12	4345	643	-21	509	0.00	0.00	0.00
4500	9.94	358.12	4444	660	-22	522	0.00	0.00	0.00
4600	9.94	358.12	4542	677	-22	536	0.00	0.00	0.00
4700	9.94	358.12	4641	695	-23	550	0.00	0.00	0.00
4800	9.94	358.12	4739	712	-23	563	0.00	0.00	0.00
4900	9.94	358.12	4838	729	-24	577	0.00	0.00	0.00
5000	9.94	358.12	4936	746	-25	591	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	Grand Junction	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Company:	DJR Operating	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Project:	Escrito Area	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site:	C17 2407 Pad	**North Reference:**	True
Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5100	9.94	358.12	5035	763	-25	604	0.00	0.00	0.00
5200	9.94	358.12	5133	781	-26	618	0.00	0.00	0.00
5300	9.94	358.12	5232	798	-26	632	0.00	0.00	0.00
5400	9.94	358.12	5330	815	-27	645	0.00	0.00	0.00
5500	9.94	358.12	5429	832	-27	659	0.00	0.00	0.00
5582	9.94	358.12	5509	847	-28	670	0.00	0.00	0.00
5600	11.23	352.37	5527	850	-28	673	9.00	6.97	-31.07
5700	19.21	335.94	5624	875	-36	697	9.00	7.99	-16.42
5800	27.81	329.17	5715	910	-55	736	9.00	8.60	-6.78
5900	36.59	325.43	5800	954	-84	789	9.00	8.78	-3.73
6000	45.45	322.99	5875	1008	-122	854	9.00	8.86	-2.44
6100	54.34	321.20	5940	1068	-169	931	9.00	8.90	-1.79
6200	63.26	319.77	5991	1134	-224	1016	9.00	8.92	-1.43
6300	72.19	318.55	6029	1204	-284	1108	9.00	8.93	-1.22
6400	81.13	317.44	6052	1276	-349	1206	9.00	8.94	-1.10
6496	89.71	316.43	6060	1346	-414	1301	9.00	8.94	-1.05
6500	89.71	316.43	6060	1349	-417	1305	0.00	0.00	0.00
6600	89.71	316.43	6061	1421	-486	1405	0.00	0.00	0.00
6700	89.71	316.43	6061	1493	-555	1505	0.00	0.00	0.00
6800	89.71	316.43	6062	1566	-624	1604	0.00	0.00	0.00
6900	89.71	316.43	6062	1638	-693	1704	0.00	0.00	0.00
7000	89.71	316.43	6063	1711	-762	1804	0.00	0.00	0.00
7100	89.71	316.43	6063	1783	-831	1904	0.00	0.00	0.00
7200	89.71	316.43	6064	1856	-900	2003	0.00	0.00	0.00
7300	89.71	316.43	6064	1928	-969	2103	0.00	0.00	0.00
7400	89.71	316.43	6065	2001	-1037	2203	0.00	0.00	0.00
7500	89.71	316.43	6065	2073	-1106	2303	0.00	0.00	0.00
7600	89.71	316.43	6066	2146	-1175	2402	0.00	0.00	0.00
7700	89.71	316.43	6066	2218	-1244	2502	0.00	0.00	0.00
7800	89.71	316.43	6067	2290	-1313	2602	0.00	0.00	0.00
7900	89.71	316.43	6067	2363	-1382	2702	0.00	0.00	0.00
8000	89.71	316.43	6068	2435	-1451	2801	0.00	0.00	0.00
8100	89.71	316.43	6068	2508	-1520	2901	0.00	0.00	0.00
8200	89.71	316.43	6069	2580	-1589	3001	0.00	0.00	0.00
8300	89.71	316.43	6069	2653	-1658	3101	0.00	0.00	0.00
8400	89.71	316.43	6070	2725	-1727	3200	0.00	0.00	0.00
8500	89.71	316.43	6070	2798	-1796	3300	0.00	0.00	0.00
8600	89.71	316.43	6071	2870	-1864	3400	0.00	0.00	0.00
8700	89.71	316.43	6071	2943	-1933	3500	0.00	0.00	0.00
8800	89.71	316.43	6072	3015	-2002	3599	0.00	0.00	0.00
8900	89.71	316.43	6072	3088	-2071	3699	0.00	0.00	0.00
9000	89.71	316.43	6073	3160	-2140	3799	0.00	0.00	0.00
9100	89.71	316.43	6073	3232	-2209	3899	0.00	0.00	0.00
9200	89.71	316.43	6074	3305	-2278	3999	0.00	0.00	0.00
9300	89.71	316.43	6074	3377	-2347	4098	0.00	0.00	0.00
9400	89.71	316.43	6075	3450	-2416	4198	0.00	0.00	0.00
9500	89.71	316.43	6075	3522	-2485	4298	0.00	0.00	0.00
9600	89.71	316.43	6076	3595	-2554	4398	0.00	0.00	0.00
9700	89.71	316.43	6076	3667	-2623	4497	0.00	0.00	0.00
9800	89.71	316.43	6077	3740	-2691	4597	0.00	0.00	0.00
9900	89.71	316.43	6078	3812	-2760	4697	0.00	0.00	0.00
10,000	89.71	316.43	6078	3885	-2829	4797	0.00	0.00	0.00
10,100	89.71	316.43	6079	3957	-2898	4896	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC

Planning Report

LONESTAR CONSULTING

Database:	Grand Junction	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Company:	DJR Operating	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Project:	Escrito Area	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site:	C17 2407 Pad	**North Reference:**	True
Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200	89.71	316.43	6079	4029	-2967	4996	0.00	0.00	0.00
10,300	89.71	316.43	6080	4102	-3036	5096	0.00	0.00	0.00
10,400	89.71	316.43	6080	4174	-3105	5196	0.00	0.00	0.00
10,500	89.71	316.43	6081	4247	-3174	5295	0.00	0.00	0.00
10,600	89.71	316.43	6081	4319	-3243	5395	0.00	0.00	0.00
10,700	89.71	316.43	6082	4392	-3312	5495	0.00	0.00	0.00
10,800	89.71	316.43	6082	4464	-3381	5595	0.00	0.00	0.00
10,900	89.71	316.43	6083	4537	-3450	5694	0.00	0.00	0.00
11,000	89.71	316.43	6083	4609	-3518	5794	0.00	0.00	0.00
11,100	89.71	316.43	6084	4682	-3587	5894	0.00	0.00	0.00
11,200	89.71	316.43	6084	4754	-3656	5994	0.00	0.00	0.00
11,300	89.71	316.43	6085	4827	-3725	6093	0.00	0.00	0.00
11,400	89.71	316.43	6085	4899	-3794	6193	0.00	0.00	0.00
11,500	89.71	316.43	6086	4971	-3863	6293	0.00	0.00	0.00
11,600	89.71	316.43	6086	5044	-3932	6393	0.00	0.00	0.00
11,700	89.71	316.43	6087	5116	-4001	6492	0.00	0.00	0.00
11,800	89.71	316.43	6087	5189	-4070	6592	0.00	0.00	0.00
11,900	89.71	316.43	6088	5261	-4139	6692	0.00	0.00	0.00
12,000	89.71	316.43	6088	5334	-4208	6792	0.00	0.00	0.00
12,100	89.71	316.43	6089	5406	-4277	6892	0.00	0.00	0.00
12,200	89.71	316.43	6089	5479	-4345	6991	0.00	0.00	0.00
12,300	89.71	316.43	6090	5551	-4414	7091	0.00	0.00	0.00
12,400	89.71	316.43	6090	5624	-4483	7191	0.00	0.00	0.00
12,500	89.71	316.43	6091	5696	-4552	7291	0.00	0.00	0.00
12,600	89.71	316.43	6091	5768	-4621	7390	0.00	0.00	0.00
12,700	89.71	316.43	6092	5841	-4690	7490	0.00	0.00	0.00
12,800	89.71	316.43	6092	5913	-4759	7590	0.00	0.00	0.00
12,900	89.71	316.43	6093	5986	-4828	7690	0.00	0.00	0.00
13,000	89.71	316.43	6093	6058	-4897	7789	0.00	0.00	0.00
13,100	89.71	316.43	6094	6131	-4966	7889	0.00	0.00	0.00
13,200	89.71	316.43	6094	6203	-5035	7989	0.00	0.00	0.00
13,300	89.71	316.43	6095	6276	-5104	8089	0.00	0.00	0.00
13,400	89.71	316.43	6095	6348	-5172	8188	0.00	0.00	0.00
13,500	89.71	316.43	6096	6421	-5241	8288	0.00	0.00	0.00
13,600	89.71	316.43	6097	6493	-5310	8388	0.00	0.00	0.00
13,700	89.71	316.43	6097	6565	-5379	8488	0.00	0.00	0.00
13,800	89.71	316.43	6098	6638	-5448	8587	0.00	0.00	0.00
13,900	89.71	316.43	6098	6710	-5517	8687	0.00	0.00	0.00
14,000	89.71	316.43	6099	6783	-5586	8787	0.00	0.00	0.00
14,100	89.71	316.43	6099	6855	-5655	8887	0.00	0.00	0.00
14,200	89.71	316.43	6100	6928	-5724	8986	0.00	0.00	0.00
14,278	89.71	316.43	6100	6985	-5778	9065	0.00	0.00	0.00

DJR Operating

Lonestar Consulting, LLC
Planning Report

LONESTAR CONSULTING

Database:	Grand Junction	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Company:	DJR Operating	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Project:	Escrito Area	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site:	C17 2407 Pad	**North Reference:**	True
Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
C17 #005H heel - plan hits target center - Circle (radius 50)	0.00	0.00	6060	1346	-414	1,936,510.35	2,790,982.19	36.32178340	-107.60286890
C17 #005H toe rev 1 - plan hits target center - Circle (radius 100)	0.00	0.00	6100	6985	-5778	1,942,136.42	2,785,605.33	36.33727215	-107.62107942

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
350	350	Surface	9.00	12.25
6443	6058	Intermediate	7.00	8.75

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1950	1932	Ojo Alamo		0.00	0.00
2106	2086	Kirtland		0.00	0.00
2367	2343	Fruitland		0.00	0.00
2665	2636	Pictured Cliffs		0.00	0.00
3476	3435	Lewis		0.00	0.00
4206	4154	Chacra		0.00	0.00
4224	4172	Menefee		0.00	0.00
4978	4915	Point Lookout		0.00	0.00
5217	5150	Mancos		0.00	0.00
5652	5578	Mancos Silt		0.00	0.00
6163	5974	Gallup A		0.00	0.00
6339	6040	Gallup B		0.00	0.00

DJR Operating

Escrito Area
C17 2407 Pad
 # 5H

Original Drilling
APD Rev 1

Anticollision Report

29 January, 2022

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Reference APD Rev 1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method	MD Interval 100ft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 10,000ft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 1/29/2022

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0	14,278	APD Rev 1 (Original Drilling)	MWD+HDGM	OWSG MWD + HDGM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measure	Offset Measured	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation	Warning
C17 2407 Pad						
# 1H - Original Drilling - APD Rev 1	400	400	80	78	32.547	CC, ES
# 1H - Original Drilling - APD Rev 1	14,278	15,122	1388	931	3.041	SF
# 2H - Original Drilling - APD	400	400	40	37	16.230	CC
# 2H - Original Drilling - APD	500	500	40	37	12.713	ES
# 2H - Original Drilling - APD	900	900	59	52	9.589	SF
# 3H - Original Drilling - APD Rev 1	400	400	60	58	24.432	CC
# 3H - Original Drilling - APD Rev 1	500	500	61	57	19.112	ES
# 3H - Original Drilling - APD Rev 1	14,278	14,726	693	253	1.573	SF
# 4H - Original Drilling - APD	400	400	20	17	8.115	CC
# 4H - Original Drilling - APD	1121	1124	22	14	2.732	ES
# 4H - Original Drilling - APD	1200	1202	22	14	2.626	SF

Offset Design C17 2407 Pad - # 1H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

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

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-125.93	-47	-65	80				
100	100	100	100	0	0	-125.93	-47	-65	80	80	0.31	259.616	
200	200	200	200	1	1	-125.93	-47	-65	80	79	1.03	78.067	
300	300	300	300	1	1	-125.93	-47	-65	80	78	1.74	45.940	
400	400	400	400	1	1	-125.93	-47	-65	80	78	2.46	32.547	CC, ES
500	500	498	498	2	2	-125.02	-48	-65	81	78	3.16	25.742	
600	600	596	596	2	2	-129.02	-52	-66	87	83	3.85	22.689	
700	700	692	692	2	2	-134.86	-59	-67	99	94	4.54	21.776	
800	799	787	786	3	3	-141.09	-69	-70	117	112	5.24	22.340	
900	898	884	882	3	3	-146.62	-81	-72	140	134	5.94	23.569	
1000	996	979	977	3	3	-151.12	-92	-74	166	160	6.65	25.007	
1100	1095	1075	1072	4	4	-154.45	-103	-77	193	186	7.34	26.303	
1200	1193	1171	1167	4	4	-156.97	-114	-79	221	213	8.04	27.422	
1300	1292	1267	1262	5	4	-158.93	-126	-82	248	240	8.74	28.389	
1400	1390	1362	1357	5	5	-160.50	-137	-84	276	267	9.45	29.229	
1500	1489	1458	1452	5	5	-161.79	-148	-86	304	294	10.15	29.963	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 1H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1600	1587	1554	1547	6	6	-162.85	-159	-89	332	322	10.86	30.609	
1700	1686	1650	1643	6	6	-163.75	-171	-91	361	349	11.57	31.179	
1800	1784	1745	1738	7	6	-164.52	-182	-94	389	377	12.28	31.687	
1900	1883	1841	1833	7	7	-165.18	-193	-96	418	405	12.99	32.142	
2000	1981	1937	1928	8	7	-165.76	-204	-98	446	432	13.70	32.550	
2100	2080	2033	2023	8	7	-166.28	-216	-101	474	460	14.41	32.919	
2200	2178	2129	2118	8	8	-166.73	-227	-103	503	488	15.13	33.254	
2300	2277	2224	2213	9	8	-167.13	-238	-106	532	516	15.84	33.560	
2400	2375	2320	2308	9	9	-167.49	-249	-108	560	544	16.55	33.839	
2500	2474	2416	2403	10	9	-167.82	-261	-110	589	571	17.27	34.096	
2600	2572	2512	2498	10	9	-168.12	-272	-113	617	599	17.98	34.332	
2700	2671	2607	2593	11	10	-168.39	-283	-115	646	627	18.70	34.550	
2800	2769	2703	2688	11	10	-168.64	-294	-118	675	655	19.41	34.752	
2900	2868	2799	2783	11	10	-168.87	-306	-120	703	683	20.13	34.940	
3000	2966	2895	2879	12	11	-169.08	-317	-123	732	711	20.84	35.115	
3100	3065	2991	2974	12	11	-169.27	-328	-125	761	739	21.56	35.278	
3200	3163	3086	3069	13	12	-169.45	-340	-127	789	767	22.27	35.431	
3300	3262	3182	3164	13	12	-169.62	-351	-130	818	795	22.99	35.574	
3400	3360	3278	3259	13	12	-169.78	-362	-132	847	823	23.71	35.709	
3500	3459	3374	3354	14	13	-169.92	-373	-135	875	851	24.42	35.835	
3600	3557	3469	3449	14	13	-170.06	-385	-137	904	879	25.14	35.954	
3700	3656	3565	3544	15	13	-170.19	-396	-139	933	907	25.86	36.067	
3800	3754	3661	3639	15	14	-170.31	-407	-142	961	935	26.58	36.173	
3900	3853	3757	3734	16	14	-170.42	-418	-144	990	963	27.29	36.274	
4000	3951	3852	3829	16	15	-170.53	-430	-147	1019	991	28.01	36.369	
4100	4050	3948	3924	16	15	-170.63	-441	-149	1047	1019	28.73	36.460	
4200	4148	4044	4019	17	15	-170.72	-452	-151	1076	1047	29.45	36.546	
4300	4247	4140	4115	17	16	-170.82	-463	-154	1105	1075	30.17	36.628	
4400	4345	4236	4210	18	16	-170.90	-475	-156	1134	1103	30.88	36.706	
4500	4444	4331	4305	18	17	-170.98	-486	-159	1162	1131	31.60	36.780	
4600	4542	4427	4400	19	17	-171.06	-497	-161	1191	1159	32.32	36.851	
4700	4641	4523	4495	19	17	-171.14	-508	-163	1220	1187	33.04	36.919	
4800	4739	4619	4590	19	18	-171.21	-520	-166	1249	1215	33.76	36.984	
4900	4838	4714	4685	20	18	-171.28	-531	-168	1277	1243	34.48	37.046	
5000	4936	4810	4780	20	18	-171.34	-542	-171	1306	1271	35.20	37.105	
5100	5035	4906	4875	21	19	-171.40	-553	-173	1335	1299	35.92	37.162	
5200	5133	5002	4970	21	19	-171.46	-565	-175	1363	1327	36.64	37.217	
5300	5232	5098	5065	22	20	-171.52	-576	-178	1392	1355	37.36	37.269	
5400	5330	6696	6030	22	29	-136.41	-13	-865	1370	1326	44.13	31.045	
5500	5429	6710	6030	22	30	-135.80	-3	-874	1333	1287	46.13	28.896	
5600	5527	6723	6030	23	30	-130.02	7	-884	1302	1254	48.06	27.100	
5700	5624	6747	6030	23	30	-115.20	24	-901	1279	1229	50.06	25.556	
5800	5715	6786	6031	24	31	-108.72	51	-928	1264	1212	52.19	24.221	
5900	5800	6839	6031	24	32	-104.23	89	-965	1256	1202	54.46	23.068	
5990	5868	6897	6031	25	33	-100.70	131	-1005	1254	1198	56.61	22.156	
6000	5875	6904	6031	25	33	-100.31	136	-1010	1254	1197	56.86	22.058	
6100	5940	6981	6032	26	35	-96.71	190	-1064	1256	1197	59.47	21.129	
6200	5991	7066	6032	27	36	-93.56	251	-1124	1261	1199	62.32	20.235	
6300	6029	7159	6033	28	38	-91.07	318	-1188	1266	1201	65.45	19.344	
6400	6052	7256	6034	29	40	-89.46	387	-1257	1270	1201	68.87	18.443	
6500	6060	7355	6034	31	43	-88.85	458	-1326	1273	1200	72.54	17.544	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 1H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6600	6061	7455	6035	32	45	-88.86	530	-1396	1274	1198	76.39	16.679	
6700	6061	7555	6036	34	47	-88.87	601	-1466	1276	1195	80.39	15.867	
6800	6062	7655	6037	36	49	-88.88	672	-1536	1277	1193	84.53	15.109	
6900	6062	7755	6037	38	52	-88.89	744	-1606	1279	1190	88.78	14.403	
7000	6063	7855	6038	40	54	-88.90	815	-1676	1280	1187	93.12	13.747	
7100	6063	7955	6039	42	56	-88.91	887	-1746	1282	1184	97.54	13.138	
7200	6064	8055	6039	44	59	-88.92	958	-1816	1283	1181	102.04	12.574	
7300	6064	8155	6040	46	61	-88.92	1030	-1886	1284	1178	106.60	12.050	
7400	6065	8255	6041	48	64	-88.93	1101	-1956	1286	1175	111.21	11.563	
7500	6065	8355	6041	50	66	-88.94	1172	-2026	1287	1172	115.87	11.111	
7600	6066	8455	6042	53	69	-88.95	1244	-2096	1289	1168	120.57	10.690	
7700	6066	8555	6043	55	71	-88.96	1315	-2166	1290	1165	125.30	10.298	
7800	6067	8655	6043	57	73	-88.97	1387	-2236	1292	1162	130.07	9.932	
7900	6067	8755	6044	59	76	-88.98	1458	-2306	1293	1158	134.87	9.590	
8000	6068	8855	6045	62	78	-88.99	1529	-2376	1295	1155	139.69	9.269	
8100	6068	8955	6045	64	81	-89.00	1601	-2446	1296	1152	144.54	8.969	
8200	6069	9055	6046	66	83	-89.01	1672	-2516	1298	1148	149.40	8.686	
8300	6069	9155	6047	69	86	-89.01	1744	-2586	1299	1145	154.29	8.421	
8400	6070	9255	6048	71	88	-89.02	1815	-2656	1301	1142	159.19	8.171	
8500	6070	9355	6048	74	91	-89.03	1887	-2726	1302	1138	164.10	7.935	
8600	6071	9455	6049	76	93	-89.04	1958	-2796	1304	1135	169.03	7.713	
8700	6071	9555	6050	79	96	-89.05	2029	-2866	1305	1131	173.97	7.502	
8800	6072	9655	6050	81	98	-89.06	2101	-2936	1307	1128	178.92	7.303	
8900	6072	9755	6051	83	101	-89.07	2172	-3006	1308	1124	183.89	7.114	
9000	6073	9855	6052	86	103	-89.08	2244	-3076	1310	1121	188.86	6.934	
9100	6073	9955	6052	88	106	-89.09	2315	-3146	1311	1117	193.84	6.764	
9200	6074	10,055	6053	91	108	-89.09	2387	-3216	1313	1114	198.83	6.601	
9300	6074	10,155	6054	93	111	-89.10	2458	-3285	1314	1110	203.83	6.447	
9400	6075	10,255	6054	96	113	-89.11	2529	-3355	1315	1107	208.83	6.299	
9500	6075	10,355	6055	98	116	-89.12	2601	-3425	1317	1103	213.85	6.158	
9600	6076	10,455	6056	101	119	-89.13	2672	-3495	1318	1100	218.86	6.024	
9700	6076	10,555	6057	103	121	-89.14	2744	-3565	1320	1096	223.88	5.896	
9800	6077	10,655	6057	106	124	-89.15	2815	-3635	1321	1092	228.91	5.772	
9900	6078	10,755	6058	108	126	-89.15	2887	-3705	1323	1089	233.94	5.655	
10,000	6078	10,855	6059	111	129	-89.16	2958	-3775	1324	1085	238.98	5.542	
10,100	6079	10,955	6059	113	131	-89.17	3029	-3845	1326	1082	244.02	5.433	
10,200	6079	11,055	6060	116	134	-89.18	3101	-3915	1327	1078	249.07	5.329	
10,300	6080	11,155	6061	118	136	-89.19	3172	-3985	1329	1075	254.12	5.229	
10,400	6080	11,255	6061	121	139	-89.20	3244	-4055	1330	1071	259.17	5.133	
10,500	6081	11,355	6062	123	141	-89.21	3315	-4125	1332	1068	264.23	5.040	
10,600	6081	11,455	6063	126	144	-89.21	3386	-4195	1333	1064	269.29	4.951	
10,700	6082	11,555	6063	128	147	-89.22	3458	-4265	1335	1060	274.35	4.865	
10,800	6082	11,655	6064	131	149	-89.23	3529	-4335	1336	1057	279.41	4.782	
10,900	6083	11,755	6065	133	152	-89.24	3601	-4405	1338	1053	284.48	4.702	
11,000	6083	11,855	6065	136	154	-89.25	3672	-4475	1339	1050	289.55	4.625	
11,100	6084	11,955	6066	138	157	-89.26	3744	-4545	1341	1046	294.62	4.550	
11,200	6084	12,055	6067	141	159	-89.26	3815	-4615	1342	1042	299.70	4.478	
11,300	6085	12,155	6068	143	162	-89.27	3886	-4685	1344	1039	304.78	4.408	
11,400	6085	12,255	6068	146	164	-89.28	3958	-4755	1345	1035	309.85	4.341	
11,500	6086	12,355	6069	148	167	-89.29	4029	-4825	1346	1032	314.94	4.275	
11,600	6086	12,455	6070	151	169	-89.30	4101	-4895	1348	1028	320.02	4.212	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 1H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
11,700	6087	12,555	6070	153	172	-89.31	4172	-4965	1349	1024	325.10	4.151	
11,800	6087	12,655	6071	156	175	-89.31	4244	-5035	1351	1021	330.19	4.091	
11,900	6088	12,755	6072	158	177	-89.32	4315	-5105	1352	1017	335.28	4.034	
12,000	6088	12,855	6072	161	180	-89.33	4386	-5175	1354	1014	340.37	3.978	
12,100	6089	12,955	6073	163	182	-89.34	4458	-5245	1355	1010	345.46	3.923	
12,200	6089	13,055	6074	166	185	-89.35	4529	-5315	1357	1006	350.55	3.871	
12,300	6090	13,155	6074	169	187	-89.35	4601	-5385	1358	1003	355.64	3.819	
12,400	6090	13,255	6075	171	190	-89.36	4672	-5455	1360	999	360.74	3.769	
12,500	6091	13,355	6076	174	193	-89.37	4743	-5525	1361	995	365.83	3.721	
12,600	6091	13,455	6077	176	195	-89.38	4815	-5595	1363	992	370.93	3.674	
12,700	6092	13,555	6077	179	198	-89.39	4886	-5665	1364	988	376.03	3.628	
12,800	6092	13,655	6078	181	200	-89.39	4958	-5735	1366	985	381.13	3.583	
12,900	6093	13,755	6079	184	203	-89.40	5029	-5805	1367	981	386.23	3.540	
13,000	6093	13,855	6079	186	205	-89.41	5101	-5874	1369	977	391.33	3.497	
13,100	6094	13,955	6080	189	208	-89.42	5172	-5944	1370	974	396.43	3.456	
13,200	6094	14,055	6081	191	210	-89.43	5243	-6014	1372	970	401.53	3.416	
13,300	6095	14,155	6081	194	213	-89.43	5315	-6084	1373	966	406.64	3.377	
13,400	6095	14,255	6082	196	216	-89.44	5386	-6154	1375	963	411.74	3.338	
13,500	6096	14,355	6083	199	218	-89.45	5458	-6224	1376	959	416.85	3.301	
13,600	6097	14,455	6083	201	221	-89.46	5529	-6294	1378	956	421.96	3.265	
13,700	6097	14,555	6084	204	223	-89.47	5601	-6364	1379	952	427.06	3.229	
13,800	6098	14,655	6085	207	226	-89.47	5672	-6434	1380	948	432.17	3.194	
13,900	6098	14,755	6085	209	228	-89.48	5743	-6504	1382	945	437.28	3.160	
14,000	6099	14,855	6086	212	231	-89.49	5815	-6574	1383	941	442.39	3.127	
14,100	6099	14,955	6087	214	234	-89.50	5886	-6644	1385	937	447.50	3.095	
14,200	6100	15,055	6088	217	236	-89.51	5958	-6714	1386	934	452.61	3.063	
14,278	6100	15,122	6088	219	238	-89.51	6006	-6761	1388	931	456.28	3.041 SF	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 2H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-125.71	-23	-32	40				
100	100	100	100	0	0	-125.71	-23	-32	40	40	0.31	129.463	
200	200	200	200	1	1	-125.71	-23	-32	40	39	1.03	38.929	
300	300	300	300	1	1	-125.71	-23	-32	40	38	1.74	22.909	
400	400	400	400	1	1	-125.71	-23	-32	40	37	2.46	16.230	CC
500	500	500	500	2	2	-123.59	-22	-33	40	37	3.18	12.713	ES
600	600	600	600	2	2	-122.59	-19	-35	42	39	3.89	10.896	
700	700	700	700	2	2	-121.00	-12	-39	46	41	4.61	9.989	
800	799	800	799	3	3	-119.11	-2	-45	51	46	5.35	9.619	
900	898	900	898	3	3	-118.43	9	-52	59	52	6.10	9.589	SF
1000	996	999	997	3	3	-119.79	21	-58	67	60	6.87	9.717	
1100	1095	1099	1095	4	4	-120.92	33	-65	75	67	7.65	9.818	
1200	1193	1199	1194	4	4	-121.83	44	-72	83	75	8.43	9.895	
1300	1292	1298	1293	5	5	-122.57	56	-79	92	83	9.21	9.957	
1400	1390	1398	1392	5	5	-123.19	67	-86	100	90	10.00	10.006	
1500	1489	1498	1490	5	5	-123.72	79	-93	108	98	10.80	10.047	
1600	1587	1597	1589	6	6	-124.16	91	-99	117	105	11.59	10.080	
1700	1686	1697	1688	6	6	-124.55	102	-106	125	113	12.39	10.109	
1800	1784	1797	1786	7	7	-124.89	114	-113	134	120	13.19	10.133	
1900	1883	1896	1885	7	7	-125.19	125	-120	142	128	13.98	10.155	
2000	1981	1996	1984	8	7	-125.46	137	-127	150	136	14.78	10.173	
2100	2080	2096	2083	8	8	-125.70	149	-133	159	143	15.58	10.189	
2200	2178	2195	2181	8	8	-125.91	160	-140	167	151	16.39	10.204	
2300	2277	2295	2280	9	9	-126.10	172	-147	176	158	17.19	10.217	
2400	2375	2395	2379	9	9	-126.28	184	-154	184	166	17.99	10.228	
2500	2474	2494	2478	10	9	-126.44	195	-161	192	174	18.79	10.239	
2600	2572	2594	2576	10	10	-126.59	207	-168	201	181	19.60	10.248	
2700	2671	2693	2675	11	10	-126.72	218	-174	209	189	20.40	10.257	
2800	2769	2793	2774	11	11	-126.85	230	-181	218	196	21.20	10.264	
2900	2868	2893	2872	11	11	-126.96	242	-188	226	204	22.01	10.272	
3000	2966	2992	2971	12	11	-127.07	253	-195	234	212	22.81	10.278	
3100	3065	3092	3070	12	12	-127.17	265	-202	243	219	23.62	10.284	
3200	3163	3192	3169	13	12	-127.26	276	-208	251	227	24.42	10.290	
3300	3262	3291	3267	13	13	-127.35	288	-215	260	234	25.22	10.295	
3400	3360	3391	3366	13	13	-127.43	300	-222	268	242	26.03	10.300	
3500	3459	3491	3465	14	13	-127.51	311	-229	277	250	26.83	10.305	
3600	3557	3590	3564	14	14	-127.58	323	-236	285	257	27.64	10.309	
3700	3656	3690	3662	15	14	-127.65	334	-243	293	265	28.44	10.313	
3800	3754	3790	3761	15	15	-127.71	346	-249	302	273	29.25	10.317	
3900	3853	3889	3860	16	15	-127.77	358	-256	310	280	30.06	10.320	
4000	3951	3989	3959	16	15	-127.83	369	-263	319	288	30.86	10.324	
4100	4050	4088	4057	16	16	-127.88	381	-270	327	295	31.67	10.327	
4200	4148	4188	4156	17	16	-127.94	392	-277	335	303	32.47	10.330	
4300	4247	4288	4255	17	17	-127.99	404	-283	344	311	33.28	10.333	
4400	4345	4387	4353	18	17	-128.03	416	-290	352	318	34.08	10.335	
4500	4444	4487	4452	18	17	-128.08	427	-297	361	326	34.89	10.338	
4600	4542	4587	4551	19	18	-128.12	439	-304	369	333	35.70	10.340	
4700	4641	4686	4650	19	18	-128.16	450	-311	378	341	36.50	10.343	
4800	4739	4786	4748	19	19	-128.20	462	-318	386	349	37.31	10.345	
4900	4838	4886	4847	20	19	-128.24	474	-324	394	356	38.11	10.347	
5000	4936	4985	4946	20	19	-128.27	485	-331	403	364	38.92	10.349	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 2H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5100	5035	5085	5045	21	20	-128.31	497	-338	411	371	39.73	10.351	
5200	5133	5185	5143	21	20	-128.34	508	-345	420	379	40.53	10.353	
5300	5232	5284	5242	22	21	-128.37	520	-352	428	387	41.34	10.354	
5400	5330	5384	5341	22	21	-128.40	532	-359	436	394	42.14	10.356	
5500	5429	5483	5439	22	21	-128.43	543	-365	445	402	42.95	10.358	
5600	5527	5586	5542	23	22	-123.54	551	-368	453	409	43.70	10.364	
5700	5624	5682	5637	23	22	-110.71	547	-360	461	417	44.23	10.420	
5800	5715	5758	5712	24	22	-108.70	536	-347	474	429	44.48	10.651	
5900	5800	5813	5763	24	22	-108.29	525	-333	498	454	44.32	11.232	
6000	5875	5850	5797	25	22	-106.54	516	-323	537	493	43.80	12.256	
6100	5940	5866	5812	26	22	-101.55	511	-317	590	547	42.98	13.730	
6200	5991	5872	5817	27	22	-93.87	509	-316	655	612	42.22	15.505	
6300	6029	5868	5814	28	22	-83.74	510	-317	727	685	41.66	17.440	
6400	6052	5850	5797	29	22	-71.78	516	-323	802	761	41.21	19.468	
6500	6060	5850	5797	31	22	-62.85	516	-323	878	837	41.45	21.194	
6600	6061	5823	5773	32	22	-60.72	523	-330	956	915	41.33	23.131	
6700	6061	5800	5751	34	22	-58.92	528	-337	1037	996	41.31	25.108	
6800	6062	5800	5751	36	22	-58.92	528	-337	1121	1079	41.66	26.899	
6900	6062	5783	5735	38	22	-57.60	532	-341	1206	1165	41.72	28.915	
7000	6063	5772	5724	40	22	-56.80	534	-344	1294	1252	41.87	30.904	
7100	6063	5750	5703	42	22	-55.22	538	-348	1383	1341	41.86	33.042	
7200	6064	5750	5703	44	22	-55.22	538	-348	1473	1431	42.12	34.978	
7300	6064	5750	5703	46	22	-55.22	538	-348	1564	1522	42.35	36.944	
7400	6065	5750	5703	48	22	-55.22	538	-348	1657	1614	42.55	38.935	
7500	6065	5731	5685	50	22	-53.91	541	-352	1750	1707	42.54	41.124	
7600	6066	5725	5680	53	22	-53.48	542	-353	1843	1800	42.66	43.207	
7700	6066	5720	5674	55	22	-53.10	543	-354	1937	1895	42.77	45.298	
7800	6067	5700	5655	57	22	-51.77	545	-357	2032	1989	42.74	47.548	
7900	6067	5700	5655	59	22	-51.77	545	-357	2127	2084	42.89	49.599	
8000	6068	5700	5655	62	22	-51.77	545	-357	2223	2180	43.02	51.660	
8100	6068	5700	5655	64	22	-51.77	545	-357	2318	2275	43.15	53.730	
8200	6069	5700	5655	66	22	-51.77	545	-357	2415	2371	43.27	55.805	
8300	6069	5700	5655	69	22	-51.77	545	-357	2511	2468	43.38	57.887	
8400	6070	5700	5655	71	22	-51.77	545	-357	2608	2564	43.48	59.972	
8500	6070	5700	5655	74	22	-51.77	545	-357	2705	2661	43.58	62.061	
8600	6071	5700	5655	76	22	-51.77	545	-357	2802	2758	43.68	64.152	
8700	6071	5700	5655	79	22	-51.77	545	-357	2899	2856	43.77	66.245	
8800	6072	5678	5633	81	22	-50.34	547	-360	2996	2953	43.70	68.563	
8900	6072	5675	5631	83	22	-50.17	547	-361	3094	3050	43.77	70.683	
9000	6073	5673	5628	86	22	-50.02	548	-361	3192	3148	43.84	72.802	
9100	6073	5650	5605	88	22	-48.60	549	-364	3290	3246	43.78	75.155	
9200	6074	5650	5605	91	22	-48.60	549	-364	3388	3344	43.86	77.246	
9300	6074	5650	5605	93	22	-48.60	549	-364	3486	3442	43.94	79.336	
9400	6075	5650	5605	96	22	-48.60	549	-364	3584	3540	44.02	81.424	
9500	6075	5650	5605	98	22	-48.60	549	-364	3682	3638	44.09	83.511	
9600	6076	5650	5605	101	22	-48.60	549	-364	3780	3736	44.17	85.595	
9700	6076	5650	5605	103	22	-48.60	549	-364	3879	3835	44.24	87.678	
9800	6077	5650	5605	106	22	-48.60	549	-364	3977	3933	44.31	89.757	
9900	6078	5650	5605	108	22	-48.60	549	-364	4076	4032	44.38	91.833	
10,000	6078	5650	5605	111	22	-48.60	549	-364	4175	4130	44.45	93.907	
10,100	6079	5650	5605	113	22	-48.60	549	-364	4273	4229	44.52	95.976	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 2H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,200	6079	5650	5605	116	22	-48.60	549	-364	4372	4327	44.59	98.042	
10,300	6080	5650	5605	118	22	-48.60	549	-364	4471	4426	44.66	100.104	
10,400	6080	5650	5605	121	22	-48.60	549	-364	4570	4525	44.73	102.162	
10,500	6081	5650	5605	123	22	-48.60	549	-364	4669	4624	44.80	104.216	
10,600	6081	5650	5605	126	22	-48.60	549	-364	4767	4723	44.86	106.265	
10,700	6082	5650	5605	128	22	-48.60	549	-364	4866	4822	44.93	108.309	
10,800	6082	5650	5605	131	22	-48.60	549	-364	4965	4920	45.00	110.349	
10,900	6083	5650	5605	133	22	-48.60	549	-364	5065	5019	45.06	112.384	
11,000	6083	5650	5605	136	22	-48.60	549	-364	5164	5119	45.13	114.413	
11,100	6084	5650	5605	138	22	-48.60	549	-364	5263	5218	45.20	116.438	
11,200	6084	5650	5605	141	22	-48.60	549	-364	5362	5317	45.27	118.457	
11,300	6085	5650	5605	143	22	-48.60	549	-364	5461	5416	45.33	120.470	
11,400	6085	5650	5605	146	22	-48.60	549	-364	5560	5515	45.40	122.478	
11,500	6086	5650	5605	148	22	-48.60	549	-364	5660	5614	45.47	124.480	
11,600	6086	5650	5605	151	22	-48.60	549	-364	5759	5713	45.53	126.477	
11,700	6087	5650	5605	153	22	-48.60	549	-364	5858	5813	45.60	128.468	
11,800	6087	5650	5605	156	22	-48.60	549	-364	5958	5912	45.67	130.452	
11,900	6088	5650	5605	158	22	-48.60	549	-364	6057	6011	45.74	132.431	
12,000	6088	5650	5605	161	22	-48.60	549	-364	6156	6110	45.80	134.403	
12,100	6089	5650	5605	163	22	-48.60	549	-364	6256	6210	45.87	136.369	
12,200	6089	5650	5605	166	22	-48.60	549	-364	6355	6309	45.94	138.328	
12,300	6090	5650	5605	169	22	-48.60	549	-364	6455	6409	46.01	140.282	
12,400	6090	5650	5605	171	22	-48.60	549	-364	6554	6508	46.08	142.228	
12,500	6091	5650	5605	174	22	-48.60	549	-364	6653	6607	46.15	144.169	
12,600	6091	5650	5605	176	22	-48.60	549	-364	6753	6707	46.22	146.102	
12,700	6092	5650	5605	179	22	-48.60	549	-364	6852	6806	46.29	148.029	
12,800	6092	5650	5605	181	22	-48.60	549	-364	6952	6906	46.36	149.949	
12,900	6093	5650	5605	184	22	-48.60	549	-364	7051	7005	46.43	151.862	
13,000	6093	5627	5582	186	22	-47.20	550	-366	7151	7104	46.40	154.109	
13,100	6094	5626	5582	189	22	-47.17	550	-366	7250	7204	46.47	156.018	
13,200	6094	5625	5581	191	22	-47.14	550	-366	7350	7303	46.54	157.921	
13,300	6095	5625	5580	194	22	-47.11	550	-366	7449	7403	46.61	159.816	
13,400	6095	5624	5580	196	22	-47.08	550	-366	7549	7502	46.68	161.704	
13,500	6096	5624	5579	199	22	-47.05	550	-366	7648	7602	46.75	163.585	
13,600	6097	5623	5579	201	22	-47.02	550	-366	7748	7701	46.83	165.458	
13,700	6097	5600	5556	204	22	-45.70	551	-367	7848	7801	46.80	167.689	
13,800	6098	5600	5556	207	22	-45.70	551	-367	7947	7901	46.88	169.542	
13,900	6098	5600	5556	209	22	-45.70	551	-367	8047	8000	46.95	171.388	
14,000	6099	5600	5556	212	22	-45.70	551	-367	8147	8100	47.03	173.227	
14,100	6099	5600	5556	214	22	-45.70	551	-367	8246	8199	47.11	175.058	
14,200	6100	5600	5556	217	22	-45.70	551	-367	8346	8299	47.18	176.882	
14,278	6100	5600	5556	219	22	-45.70	551	-367	8424	8377	47.24	178.306	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 3H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-126.00	-35	-49	60				
100	100	100	100	0	0	-126.00	-35	-49	60	60	0.31	194.886	
200	200	200	200	1	1	-126.00	-35	-49	60	59	1.03	58.602	
300	300	300	300	1	1	-126.00	-35	-49	60	58	1.74	34.486	
400	400	400	400	1	1	-126.00	-35	-49	60	58	2.46	24.432	CC
500	500	500	500	2	2	-123.94	-35	-49	61	57	3.17	19.112	ES
600	600	600	600	2	2	-123.86	-32	-51	63	59	3.89	16.264	
700	700	700	700	2	2	-125.99	-29	-54	68	63	4.61	14.722	
800	799	799	799	3	3	-129.91	-26	-56	75	69	5.33	14.010	
900	898	899	898	3	3	-134.84	-22	-59	84	78	6.06	13.906	
1000	996	998	997	3	3	-139.76	-19	-61	96	89	6.80	14.165	
1100	1095	1097	1096	4	4	-143.63	-16	-64	109	101	7.53	14.461	
1200	1193	1196	1195	4	4	-146.69	-13	-66	122	114	8.26	14.751	
1300	1292	1295	1294	5	4	-149.16	-10	-68	135	126	8.99	15.025	
1400	1390	1393	1393	5	5	-151.18	-7	-71	148	139	9.72	15.277	
1500	1489	1492	1492	5	5	-152.87	-4	-73	162	152	10.45	15.509	
1600	1587	1591	1591	6	6	-154.30	-1	-76	176	165	11.18	15.721	
1700	1686	1690	1689	6	6	-155.52	2	-78	190	178	11.91	15.914	
1800	1784	1789	1788	7	6	-156.57	5	-80	203	191	12.65	16.091	
1900	1883	1888	1887	7	7	-157.49	8	-83	217	204	13.38	16.252	
2000	1981	1987	1986	8	7	-158.30	11	-85	231	217	14.11	16.400	
2100	2080	2086	2085	8	7	-159.02	14	-88	245	231	14.84	16.536	
2200	2178	2185	2184	8	8	-159.66	17	-90	259	244	15.57	16.661	
2300	2277	2284	2283	9	8	-160.23	20	-92	274	257	16.31	16.776	
2400	2375	2383	2382	9	8	-160.75	23	-95	288	271	17.04	16.883	
2500	2474	2482	2481	10	9	-161.22	26	-97	302	284	17.77	16.982	
2600	2572	2581	2580	10	9	-161.65	29	-99	316	297	18.50	17.074	
2700	2671	2680	2678	11	9	-162.04	32	-102	330	311	19.24	17.159	
2800	2769	2779	2777	11	10	-162.40	35	-104	344	324	19.97	17.240	
2900	2868	2878	2876	11	10	-162.72	38	-107	358	338	20.70	17.314	
3000	2966	2977	2975	12	11	-163.03	41	-109	373	351	21.44	17.385	
3100	3065	3076	3074	12	11	-163.31	44	-111	387	365	22.17	17.451	
3200	3163	3175	3173	13	11	-163.57	47	-114	401	378	22.90	17.513	
3300	3262	3274	3272	13	12	-163.82	50	-116	415	392	23.64	17.571	
3400	3360	3373	3371	13	12	-164.05	53	-119	430	405	24.37	17.626	
3500	3459	3472	3470	14	12	-164.26	57	-121	444	419	25.10	17.679	
3600	3557	3571	3568	14	13	-164.46	60	-123	458	432	25.84	17.728	
3700	3656	3670	3667	15	13	-164.65	63	-126	472	446	26.57	17.775	
3800	3754	3769	3766	15	13	-164.83	66	-128	487	459	27.30	17.819	
3900	3853	3868	3865	16	14	-164.99	69	-131	501	473	28.04	17.861	
4000	3951	3967	3964	16	14	-165.15	72	-133	515	486	28.77	17.902	
4100	4050	4066	4063	16	14	-165.30	75	-135	529	500	29.50	17.940	
4200	4148	4165	4162	17	15	-165.44	78	-138	544	513	30.24	17.976	
4300	4247	4264	4261	17	15	-165.58	81	-140	558	527	30.97	18.011	
4400	4345	4363	4360	18	16	-165.70	84	-143	572	540	31.71	18.045	
4500	4444	4461	4458	18	16	-165.83	87	-145	586	554	32.44	18.076	
4600	4542	4560	4557	19	16	-165.94	90	-147	601	568	33.17	18.107	
4700	4641	4659	4656	19	17	-166.05	93	-150	615	581	33.91	18.136	
4800	4739	4758	4755	19	17	-166.16	96	-152	629	595	34.64	18.164	
4900	4838	4857	4854	20	17	-166.26	99	-155	644	608	35.38	18.191	
5000	4936	4956	4953	20	18	-166.35	102	-157	658	622	36.11	18.217	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 3H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5100	5035	5055	5052	21	18	-166.45	105	-159	672	635	36.84	18.242	
5200	5133	5154	5151	21	18	-166.53	108	-162	686	649	37.58	18.266	
5300	5232	5253	5250	22	19	-166.62	111	-164	701	662	38.31	18.289	
5400	5330	5352	5348	22	19	-166.70	114	-167	715	676	39.05	18.311	
5500	5429	5451	5447	22	19	-166.78	117	-169	729	690	39.78	18.332	
5600	5527	5550	5546	23	20	-161.01	120	-171	744	703	40.52	18.356	
5700	5624	5828	5814	23	21	-143.21	167	-215	754	712	41.62	18.116	
5800	5715	6108	6032	24	22	-131.40	293	-334	747	705	41.96	17.808	
5900	5800	6323	6136	24	24	-121.60	428	-463	730	687	43.87	16.651	
6000	5875	6486	6171	25	26	-113.73	543	-572	711	664	47.33	15.019	
6100	5940	6586	6173	26	28	-108.87	616	-641	694	643	50.78	13.670	
6200	5991	6672	6173	27	29	-105.34	677	-700	685	631	53.93	12.693	
6300	6029	6764	6174	28	31	-102.37	744	-764	680	623	57.14	11.900	
6400	6052	6861	6174	29	32	-100.39	814	-831	678	618	60.46	11.219	
6477	6060	6938	6174	30	34	-99.73	870	-884	678	615	63.09	10.748	
6500	6060	6961	6174	31	34	-99.71	887	-900	678	614	63.89	10.614	
6600	6061	7061	6175	32	36	-99.69	959	-969	678	611	67.44	10.057	
6700	6061	7161	6175	34	38	-99.67	1031	-1038	678	607	71.18	9.532	
6800	6062	7261	6175	36	40	-99.65	1103	-1107	679	604	75.08	9.039	
6900	6062	7361	6176	38	43	-99.63	1176	-1177	679	600	79.11	8.581	
7000	6063	7461	6176	40	45	-99.61	1248	-1246	679	596	83.25	8.156	
7100	6063	7561	6176	42	47	-99.59	1320	-1315	679	592	87.50	7.763	
7200	6064	7661	6177	44	49	-99.57	1393	-1384	679	588	91.82	7.399	
7300	6064	7761	6177	46	52	-99.55	1465	-1453	680	583	96.22	7.063	
7400	6065	7861	6177	48	54	-99.53	1537	-1522	680	579	100.69	6.752	
7500	6065	7961	6178	50	56	-99.51	1610	-1591	680	575	105.20	6.464	
7600	6066	8061	6178	53	59	-99.49	1682	-1660	680	570	109.77	6.196	
7700	6066	8161	6178	55	61	-99.47	1754	-1729	680	566	114.38	5.948	
7800	6067	8261	6178	57	63	-99.45	1826	-1798	681	562	119.03	5.718	
7900	6067	8361	6179	59	66	-99.43	1899	-1867	681	557	123.71	5.503	
8000	6068	8461	6179	62	68	-99.41	1971	-1936	681	553	128.42	5.303	
8100	6068	8561	6179	64	71	-99.39	2043	-2006	681	548	133.16	5.115	
8200	6069	8661	6180	66	73	-99.38	2116	-2075	681	543	137.92	4.940	
8300	6069	8761	6180	69	75	-99.36	2188	-2144	682	539	142.70	4.776	
8400	6070	8861	6180	71	78	-99.34	2260	-2213	682	534	147.50	4.622	
8500	6070	8961	6181	74	80	-99.32	2333	-2282	682	530	152.32	4.477	
8600	6071	9061	6181	76	83	-99.30	2405	-2351	682	525	157.16	4.340	
8700	6071	9161	6181	79	85	-99.28	2477	-2420	682	520	162.01	4.211	
8800	6072	9261	6182	81	88	-99.26	2549	-2489	682	516	166.88	4.090	
8900	6072	9361	6182	83	90	-99.24	2622	-2558	683	511	171.75	3.975	
9000	6073	9461	6182	86	93	-99.22	2694	-2627	683	506	176.64	3.866	
9100	6073	9561	6183	88	95	-99.20	2766	-2696	683	502	181.54	3.762	
9200	6074	9661	6183	91	98	-99.18	2839	-2765	683	497	186.45	3.664	
9300	6074	9761	6183	93	100	-99.16	2911	-2834	683	492	191.37	3.571	
9400	6075	9861	6184	96	103	-99.14	2983	-2904	684	487	196.29	3.483	
9500	6075	9961	6184	98	105	-99.12	3056	-2973	684	483	201.23	3.398	
9600	6076	10,061	6184	101	108	-99.11	3128	-3042	684	478	206.17	3.318	
9700	6076	10,161	6185	103	110	-99.09	3200	-3111	684	473	211.12	3.241	
9800	6077	10,261	6185	106	113	-99.07	3273	-3180	684	468	216.07	3.167	
9900	6078	10,361	6185	108	115	-99.05	3345	-3249	685	464	221.03	3.097	
10,000	6078	10,461	6185	111	118	-99.03	3417	-3318	685	459	226.00	3.030	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 3H - Original Drilling - APD Rev 1

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,100	6079	10,561	6186	113	120	-99.01	3489	-3387	685	454	230.97	2.966	
10,200	6079	10,661	6186	116	123	-98.99	3562	-3456	685	449	235.94	2.904	
10,300	6080	10,761	6186	118	125	-98.97	3634	-3525	685	444	240.92	2.845	
10,400	6080	10,861	6187	121	128	-98.95	3706	-3594	686	440	245.91	2.788	
10,500	6081	10,961	6187	123	130	-98.93	3779	-3663	686	435	250.90	2.733	
10,600	6081	11,061	6187	126	133	-98.91	3851	-3733	686	430	255.89	2.680	
10,700	6082	11,161	6188	128	135	-98.89	3923	-3802	686	425	260.89	2.630	
10,800	6082	11,261	6188	131	138	-98.88	3996	-3871	686	420	265.89	2.581	
10,900	6083	11,361	6188	133	140	-98.86	4068	-3940	686	416	270.89	2.534	
11,000	6083	11,461	6189	136	143	-98.84	4140	-4009	687	411	275.90	2.489	
11,100	6084	11,561	6189	138	146	-98.82	4212	-4078	687	406	280.91	2.445	
11,200	6084	11,661	6189	141	148	-98.80	4285	-4147	687	401	285.92	2.403	
11,300	6085	11,761	6190	143	151	-98.78	4357	-4216	687	396	290.94	2.362	
11,400	6085	11,861	6190	146	153	-98.76	4429	-4285	687	391	295.95	2.323	
11,500	6086	11,961	6190	148	156	-98.74	4502	-4354	688	387	300.97	2.285	
11,600	6086	12,061	6191	151	158	-98.72	4574	-4423	688	382	306.00	2.248	
11,700	6087	12,161	6191	153	161	-98.70	4646	-4492	688	377	311.02	2.212	
11,800	6087	12,261	6191	156	163	-98.68	4719	-4561	688	372	316.05	2.178	
11,900	6088	12,361	6192	158	166	-98.67	4791	-4631	688	367	321.08	2.144	
12,000	6088	12,461	6192	161	168	-98.65	4863	-4700	689	362	326.11	2.112	
12,100	6089	12,561	6192	163	171	-98.63	4935	-4769	689	358	331.15	2.080	
12,200	6089	12,661	6192	166	173	-98.61	5008	-4838	689	353	336.18	2.049	
12,300	6090	12,761	6193	169	176	-98.59	5080	-4907	689	348	341.22	2.020	
12,400	6090	12,861	6193	171	179	-98.57	5152	-4976	689	343	346.26	1.991	
12,500	6091	12,961	6193	174	181	-98.55	5225	-5045	690	338	351.30	1.963	
12,600	6091	13,061	6194	176	184	-98.53	5297	-5114	690	333	356.34	1.936	
12,700	6092	13,161	6194	179	186	-98.51	5369	-5183	690	329	361.39	1.909	
12,800	6092	13,261	6194	181	189	-98.50	5442	-5252	690	324	366.43	1.883	
12,900	6093	13,361	6195	184	191	-98.48	5514	-5321	690	319	371.48	1.858	
13,000	6093	13,461	6195	186	194	-98.46	5586	-5390	691	314	376.53	1.834	
13,100	6094	13,561	6195	189	196	-98.44	5659	-5460	691	309	381.58	1.810	
13,200	6094	13,661	6196	191	199	-98.42	5731	-5529	691	304	386.63	1.787	
13,300	6095	13,761	6196	194	201	-98.40	5803	-5598	691	299	391.68	1.764	
13,400	6095	13,861	6196	196	204	-98.38	5875	-5667	691	295	396.74	1.742	
13,500	6096	13,961	6197	199	207	-98.36	5948	-5736	692	290	401.80	1.721	
13,600	6097	14,061	6197	201	209	-98.34	6020	-5805	692	285	406.85	1.700	
13,700	6097	14,161	6197	204	212	-98.33	6092	-5874	692	280	411.91	1.680	
13,800	6098	14,261	6198	207	214	-98.31	6165	-5943	692	275	416.97	1.660	
13,900	6098	14,361	6198	209	217	-98.29	6237	-6012	692	270	422.03	1.640	
14,000	6099	14,461	6198	212	219	-98.27	6309	-6081	692	265	427.09	1.621	
14,100	6099	14,561	6198	214	222	-98.25	6382	-6150	693	261	432.15	1.603	
14,200	6100	14,661	6199	217	224	-98.23	6454	-6219	693	256	437.22	1.585	
14,200	6100	14,661	6199	217	224	-98.23	6454	-6220	693	256	437.24	1.585	
14,278	6100	14,726	6199	219	226	-98.22	6501	-6264	693	253	440.65	1.573 SF	

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 4H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Rule Assigned:

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0	0	0	0	0	0	-125.71	-12	-16	20				
100	100	100	100	0	0	-125.71	-12	-16	20	20	0.31	64.731	
200	200	200	200	1	1	-125.71	-12	-16	20	19	1.03	19.465	
300	300	300	300	1	1	-125.71	-12	-16	20	18	1.74	11.455	
400	400	400	400	1	1	-125.71	-12	-16	20	17	2.46	8.115 CC	
500	500	500	500	2	2	-123.74	-11	-16	20	17	3.18	6.296	
600	600	601	601	2	2	-123.34	-6	-17	20	16	3.89	5.185	
700	700	701	701	2	2	-122.63	2	-17	21	16	4.62	4.451	
800	799	801	800	3	3	-121.66	13	-18	21	16	5.35	3.937	
900	898	902	899	3	3	-120.46	28	-20	22	16	6.10	3.564	
1000	996	1002	998	3	3	-116.66	46	-21	22	15	6.87	3.210	
1100	1095	1102	1096	4	4	-104.45	68	-23	22	14	7.70	2.803	
1121	1116	1124	1117	4	4	-100.61	73	-24	22	14	7.89	2.732 ES	
1200	1193	1202	1192	4	4	-83.39	93	-25	22	14	8.54	2.626 SF	
1300	1292	1301	1288	5	5	-61.71	120	-28	27	18	9.27	2.913	
1400	1390	1401	1384	5	5	-47.60	147	-30	34	24	9.97	3.437	
1500	1489	1500	1479	5	6	-38.74	174	-32	43	32	10.68	4.012	
1600	1587	1600	1575	6	6	-32.91	201	-35	52	41	11.40	4.568	
1700	1686	1699	1671	6	7	-28.87	228	-37	62	50	12.14	5.082	
1800	1784	1799	1766	7	7	-25.93	255	-40	72	59	12.89	5.550	
1900	1883	1898	1862	7	8	-23.70	282	-42	82	68	13.65	5.974	
2000	1981	1997	1958	8	8	-21.96	309	-44	92	77	14.41	6.358	
2100	2080	2097	2053	8	9	-20.57	336	-47	102	87	15.17	6.707	
2200	2178	2196	2149	8	9	-19.43	364	-49	112	96	15.94	7.023	
2300	2277	2296	2245	9	10	-18.48	391	-51	122	105	16.71	7.312	
2400	2375	2395	2340	9	10	-17.67	418	-54	132	115	17.48	7.577	
2500	2474	2495	2436	10	11	-16.98	445	-56	143	124	18.25	7.819	
2600	2572	2594	2532	10	11	-16.39	472	-59	153	134	19.03	8.042	
2700	2671	2694	2627	11	12	-15.87	499	-61	163	144	19.80	8.249	
2800	2769	2793	2723	11	12	-15.41	526	-63	174	153	20.58	8.439	
2900	2868	2893	2819	11	13	-15.00	553	-66	184	163	21.35	8.617	
3000	2966	2992	2914	12	13	-14.64	580	-68	194	172	22.13	8.781	
3100	3065	3091	3010	12	14	-14.31	607	-70	205	182	22.91	8.935	
3200	3163	3191	3106	13	14	-14.02	635	-73	215	191	23.69	9.079	
3300	3262	3290	3201	13	15	-13.75	662	-75	225	201	24.47	9.213	
3400	3360	3390	3297	13	15	-13.51	689	-77	236	211	25.25	9.340	
3500	3459	3489	3393	14	16	-13.28	716	-80	246	220	26.02	9.458	
3600	3557	3589	3488	14	16	-13.08	743	-82	257	230	26.80	9.570	
3700	3656	3688	3584	15	17	-12.89	770	-85	267	239	27.58	9.676	
3800	3754	3788	3680	15	17	-12.71	797	-87	277	249	28.36	9.776	
3900	3853	3887	3775	16	18	-12.55	824	-89	288	259	29.15	9.870	
4000	3951	3987	3871	16	18	-12.40	851	-92	298	268	29.93	9.959	
4100	4050	4086	3967	16	19	-12.26	878	-94	308	278	30.71	10.044	
4200	4148	4185	4062	17	19	-12.12	906	-96	319	287	31.49	10.125	
4300	4247	4285	4158	17	20	-12.00	933	-99	329	297	32.27	10.202	
4400	4345	4384	4254	18	20	-11.88	960	-101	340	307	33.05	10.275	
4500	4444	4484	4349	18	21	-11.77	987	-104	350	316	33.83	10.345	
4600	4542	4583	4445	19	21	-11.67	1014	-106	360	326	34.61	10.412	
4700	4641	4683	4541	19	22	-11.57	1041	-108	371	335	35.40	10.475	
4800	4739	4782	4636	19	22	-11.48	1068	-111	381	345	36.18	10.536	
4900	4838	4882	4732	20	23	-11.39	1095	-113	392	355	36.96	10.594	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 4H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5000	4936	4981	4828	20	23	-11.31	1122	-115	402	364	37.74	10.650	
5100	5035	5081	4923	21	24	-11.23	1149	-118	412	374	38.52	10.704	
5200	5133	5180	5019	21	24	-11.16	1177	-120	423	383	39.31	10.755	
5300	5232	5279	5115	22	25	-11.09	1204	-123	433	393	40.09	10.805	
5400	5330	5379	5210	22	25	-11.02	1231	-125	444	403	40.87	10.852	
5500	5429	5489	5316	22	26	-10.93	1261	-127	454	412	41.75	10.871	
5600	5527	5732	5554	23	27	-1.14	1290	-96	446	404	41.71	10.683	
5700	5624	5913	5721	23	27	28.22	1268	-32	405	365	40.21	10.076	
5800	5715	6014	5806	24	27	52.56	1240	16	350	309	41.09	8.508	
5900	5800	6062	5842	24	27	69.55	1223	42	300	255	44.72	6.701	
6000	5875	6078	5854	25	27	77.23	1217	51	273	224	48.89	5.575	
6031	5896	6078	5854	25	27	77.94	1217	51	271	221	49.75	5.444	
6100	5940	6075	5852	26	27	77.14	1218	49	279	229	50.43	5.538	
6200	5991	6060	5841	27	27	71.15	1224	41	317	268	49.21	6.449	
6300	6029	6038	5824	28	27	61.25	1232	29	375	328	47.45	7.908	
6400	6052	6010	5802	29	27	49.95	1241	14	442	396	46.33	9.547	
6500	6060	5979	5777	31	27	39.74	1251	-2	512	466	45.94	11.146	
6600	6061	5950	5753	32	27	36.91	1259	-16	585	539	45.99	12.720	
6700	6061	5923	5730	34	27	34.38	1266	-28	663	617	46.04	14.400	
6800	6062	5900	5710	36	27	32.40	1271	-38	745	698	46.18	16.125	
6900	6062	5881	5693	38	27	30.79	1274	-46	829	783	46.35	17.888	
7000	6063	5850	5665	40	27	28.40	1280	-58	916	870	46.15	19.856	
7100	6063	5850	5665	42	27	28.40	1280	-58	1005	958	46.74	21.497	
7200	6064	5850	5665	44	27	28.40	1280	-58	1095	1048	47.20	23.203	
7300	6064	5822	5639	46	27	26.40	1283	-68	1186	1139	46.98	25.250	
7400	6065	5800	5619	48	27	24.90	1286	-76	1279	1232	46.88	27.277	
7500	6065	5800	5619	50	27	24.90	1286	-76	1372	1325	47.20	29.062	
7600	6066	5800	5619	53	27	24.90	1286	-76	1466	1418	47.47	30.878	
7700	6066	5800	5619	55	27	24.90	1286	-76	1560	1513	47.70	32.716	
7800	6067	5777	5597	57	27	23.43	1288	-83	1655	1608	47.53	34.826	
7900	6067	5770	5590	59	27	23.01	1288	-85	1751	1703	47.62	36.768	
8000	6068	5750	5571	62	27	21.85	1289	-91	1847	1799	47.50	38.878	
8100	6068	5750	5571	64	27	21.85	1289	-91	1943	1895	47.67	40.758	
8200	6069	5750	5571	66	27	21.85	1289	-91	2039	1991	47.81	42.650	
8300	6069	5750	5571	69	27	21.85	1289	-91	2136	2088	47.95	44.550	
8400	6070	5750	5571	71	27	21.85	1289	-91	2233	2185	48.07	46.456	
8500	6070	5750	5571	74	27	21.85	1289	-91	2330	2282	48.18	48.369	
8600	6071	5750	5571	76	27	21.85	1289	-91	2428	2380	48.28	50.286	
8700	6071	5750	5571	79	27	21.85	1289	-91	2526	2477	48.38	52.207	
8800	6072	5726	5548	81	27	20.56	1290	-97	2623	2575	48.21	54.409	
8900	6072	5723	5545	83	27	20.38	1290	-98	2721	2673	48.26	56.375	
9000	6073	5700	5523	86	27	19.20	1290	-104	2819	2771	48.11	58.601	
9100	6073	5700	5523	88	27	19.20	1290	-104	2917	2869	48.20	60.527	
9200	6074	5700	5523	91	27	19.20	1290	-104	3016	2967	48.28	62.454	
9300	6074	5700	5523	93	27	19.20	1290	-104	3114	3065	48.37	64.381	
9400	6075	5700	5523	96	27	19.20	1290	-104	3212	3164	48.44	66.308	
9500	6075	5700	5523	98	27	19.20	1290	-104	3311	3262	48.52	68.234	
9600	6076	5700	5523	101	27	19.20	1290	-104	3409	3361	48.59	70.160	
9700	6076	5700	5523	103	27	19.20	1290	-104	3508	3459	48.66	72.084	
9800	6077	5700	5523	106	27	19.20	1290	-104	3607	3558	48.73	74.007	
9900	6078	5700	5523	108	27	19.20	1290	-104	3705	3657	48.80	75.928	

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

DJR Operating

Lonestar Consulting, LLC

Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Offset Design C17 2407 Pad - # 4H - Original Drilling - APD

Offset Site Error: 0 ft

Survey Program: 0-MWD+HDGM

Offset Well Error: 0 ft

Reference Measured Depth (ft)	Reference Vertical Depth (ft)	Offset Measured Depth (ft)	Offset Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Rule Assigned: Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
10,000	6078	5700	5523	111	27	19.20	1290	-104	3804	3755	48.87	77.847	
10,100	6079	5700	5523	113	27	19.20	1290	-104	3903	3854	48.93	79.764	
10,200	6079	5700	5523	116	27	19.20	1290	-104	4002	3953	49.00	81.678	
10,300	6080	5700	5523	118	27	19.20	1290	-104	4101	4052	49.06	83.590	
10,400	6080	5700	5523	121	27	19.20	1290	-104	4200	4151	49.13	85.498	
10,500	6081	5700	5523	123	27	19.20	1290	-104	4299	4250	49.19	87.404	
10,600	6081	5700	5523	126	27	19.20	1290	-104	4398	4349	49.25	89.306	
10,700	6082	5700	5523	128	27	19.20	1290	-104	4498	4448	49.31	91.204	
10,800	6082	5700	5523	131	27	19.20	1290	-104	4597	4547	49.38	93.099	
10,900	6083	5700	5523	133	27	19.20	1290	-104	4696	4647	49.44	94.990	
11,000	6083	5700	5523	136	27	19.20	1290	-104	4795	4746	49.50	96.877	
11,100	6084	5700	5523	138	27	19.20	1290	-104	4895	4845	49.56	98.760	
11,200	6084	5678	5501	141	27	18.14	1289	-108	4994	4944	49.45	100.989	
11,300	6085	5677	5500	143	27	18.09	1289	-109	5093	5043	49.50	102.884	
11,400	6085	5675	5499	146	27	18.03	1289	-109	5192	5143	49.56	104.775	
11,500	6086	5674	5498	148	27	17.98	1289	-109	5292	5242	49.61	106.661	
11,600	6086	5673	5497	151	27	17.94	1289	-109	5391	5341	49.67	108.543	
11,700	6087	5650	5474	153	27	16.91	1287	-114	5491	5441	49.55	110.805	
11,800	6087	5650	5474	156	27	16.91	1287	-114	5590	5541	49.62	112.662	
11,900	6088	5650	5474	158	27	16.91	1287	-114	5690	5640	49.68	114.514	
12,000	6088	5650	5474	161	27	16.91	1287	-114	5789	5739	49.75	116.361	
12,100	6089	5650	5474	163	27	16.91	1287	-114	5888	5839	49.82	118.204	
12,200	6089	5650	5474	166	27	16.91	1287	-114	5988	5938	49.88	120.041	
12,300	6090	5650	5474	169	27	16.91	1287	-114	6087	6037	49.95	121.873	
12,400	6090	5650	5474	171	27	16.91	1287	-114	6187	6137	50.02	123.699	
12,500	6091	5650	5474	174	27	16.91	1287	-114	6286	6236	50.08	125.521	
12,600	6091	5650	5474	176	27	16.91	1287	-114	6386	6336	50.15	127.337	
12,700	6092	5650	5474	179	27	16.91	1287	-114	6486	6435	50.22	129.147	
12,800	6092	5650	5474	181	27	16.91	1287	-114	6585	6535	50.29	130.952	
12,900	6093	5650	5474	184	27	16.91	1287	-114	6685	6634	50.35	132.752	
13,000	6093	5650	5474	186	27	16.91	1287	-114	6784	6734	50.42	134.546	
13,100	6094	5650	5474	189	27	16.91	1287	-114	6884	6833	50.49	136.334	
13,200	6094	5650	5474	191	27	16.91	1287	-114	6983	6933	50.56	138.116	
13,300	6095	5650	5474	194	27	16.91	1287	-114	7083	7032	50.63	139.893	
13,400	6095	5650	5474	196	27	16.91	1287	-114	7183	7132	50.70	141.664	
13,500	6096	5650	5474	199	27	16.91	1287	-114	7282	7232	50.77	143.429	
13,600	6097	5650	5474	201	27	16.91	1287	-114	7382	7331	50.84	145.188	
13,700	6097	5650	5474	204	27	16.91	1287	-114	7482	7431	50.92	146.941	
13,800	6098	5650	5474	207	27	16.91	1287	-114	7581	7530	50.99	148.687	
13,900	6098	5650	5474	209	27	16.91	1287	-114	7681	7630	51.06	150.428	
14,000	6099	5650	5474	212	27	16.91	1287	-114	7781	7730	51.13	152.163	
14,100	6099	5650	5474	214	27	16.91	1287	-114	7880	7829	51.21	153.892	
14,200	6100	5650	5474	217	27	16.91	1287	-114	7980	7929	51.28	155.614	
14,278	6100	5650	5474	219	27	16.91	1287	-114	8058	8007	51.34	156.960	

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

DJR Operating

Lonestar Consulting, LLC

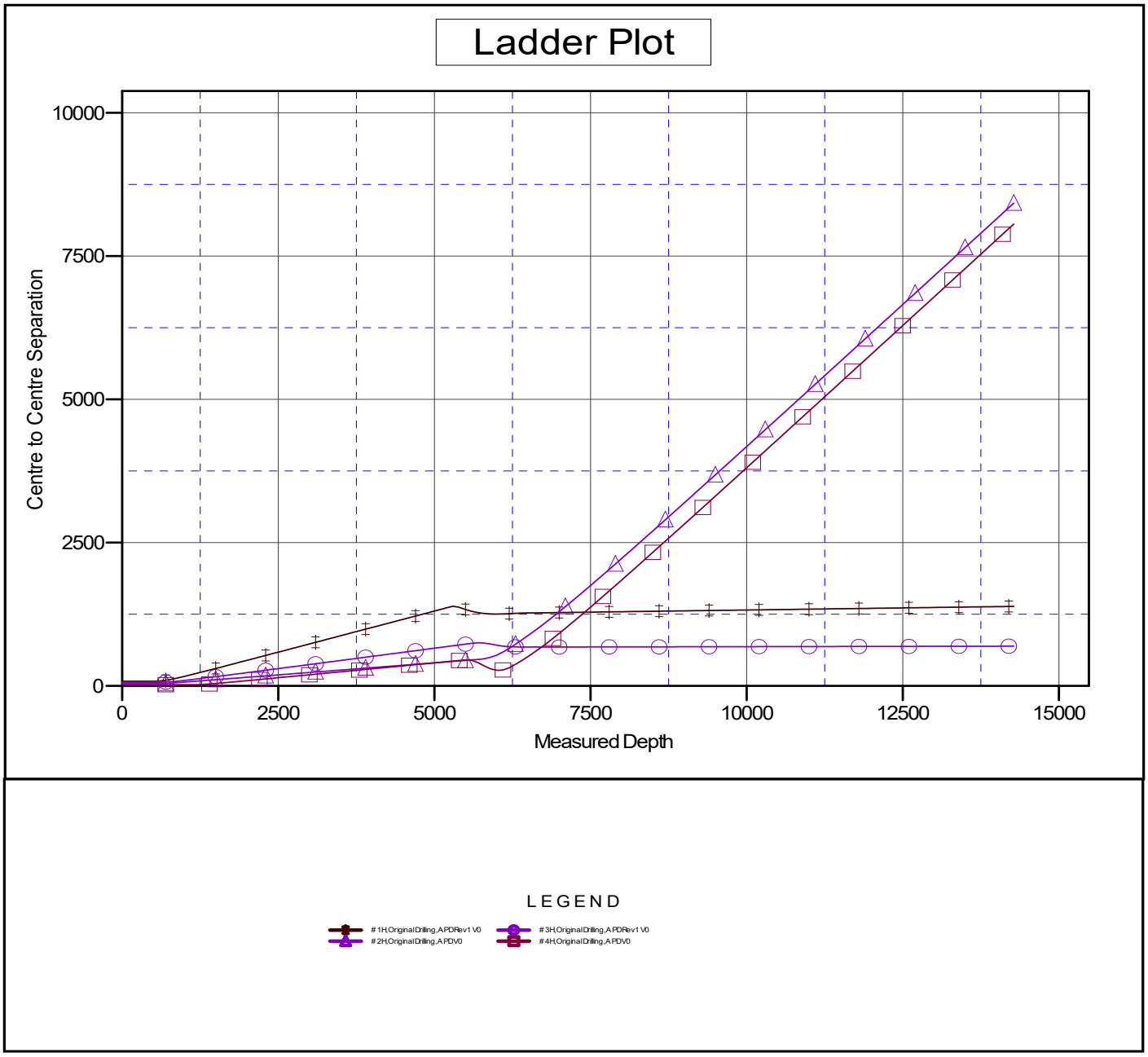
Anticollision Report

LONESTAR CONSULTING

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 7284' & RKB 14' @ 7298ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: # 5H - Slot 1
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.14°



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

DJR Operating

Lonestar Consulting, LLC

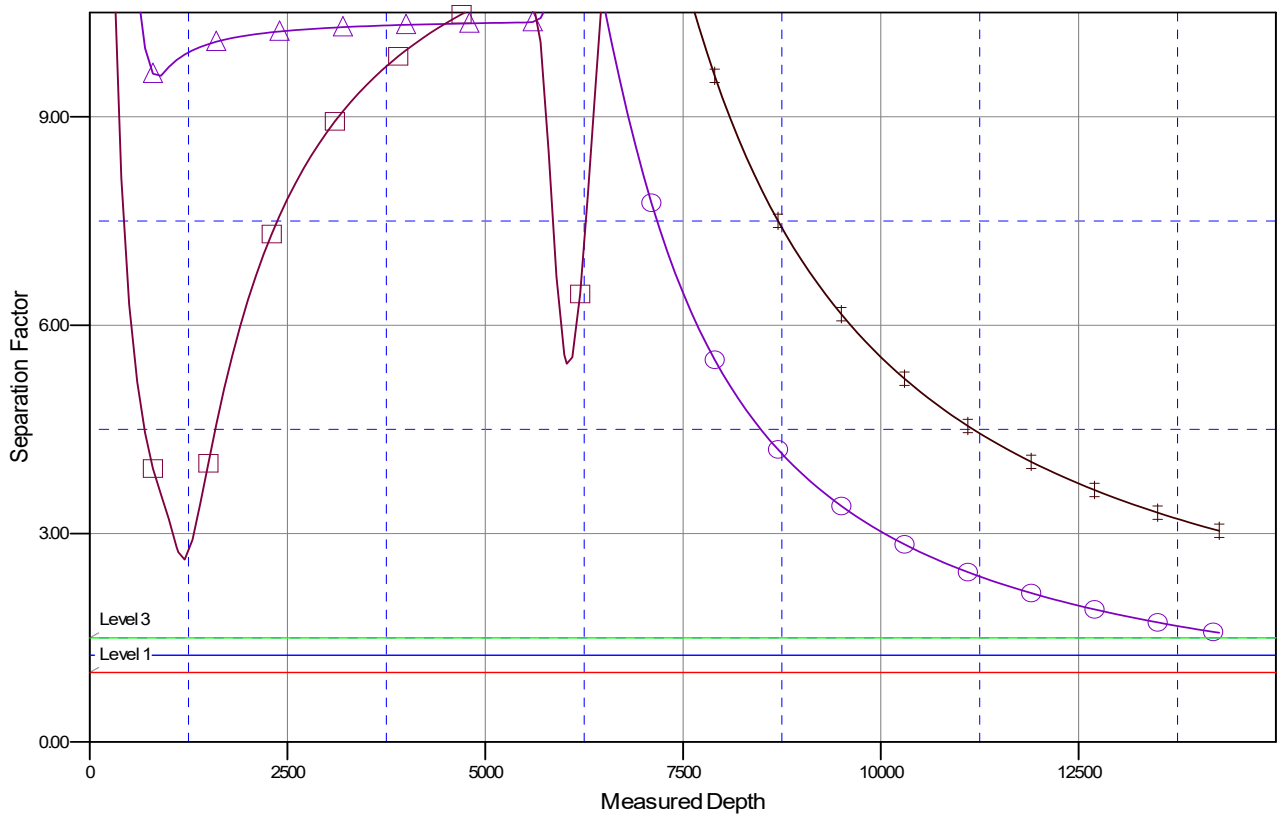
Anticollision Report

Company:	DJR Operating	**Local Co-ordinate Reference**	Well # 5H - Slot 1
Project:	Escrito Area	**TVD Reference:**	GL 7284' & RKB 14' @ 7298ft
Reference Site:	C17 2407 Pad	**MD Reference:**	GL 7284' & RKB 14' @ 7298ft
Site Error:	0 ft	**North Reference:**	True
Reference Well:	# 5H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0 ft	**Output errors are at**	2.00 sigma
Reference Wellbore	Original Drilling	**Database:**	Grand Junction
Reference Design:	APD Rev 1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to GL 7284' & RKB 14' @ 7298ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.83333333

Coordinates are relative to: # 5H - Slot 1
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.14°

Separation Factor Plot



LEGEND

1H,Original Drilling,APDRev1 V0
2H,Original Drilling,APDV0
3H,Original Drilling,APDRev1 V0
4H,Original Drilling,APDV0

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
#05H Escrito C17 2407
Lease: NMNM025427 Agreement: TBD
SH: NE¼NW¼ Section 17, T.24 N., R.7 W.
BH: SE¼SW¼ Section 6, 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.

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 300432

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 300432
	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	1/30/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	1/30/2024
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	1/30/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	1/30/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	1/30/2024
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	1/30/2024