

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

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		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.		
2. Name of Operator		9. API Well No. 30-043-21538		
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) <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> 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). </td> <td style="width: 50%; vertical-align: top;"> 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. </td> </tr> </table>			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.
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25. Signature	Name (Printed/Typed)	Date		
Title				
Approved by (Signature)	Name (Printed/Typed)	Date		
Title				
Office				
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.				

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 07/25/2025

Additional Operator Remarks

Location of Well

0. SHL: NENE / 1151 FNL / 906 FEL / TWSP: 23N / RANGE: 7W / SECTION: 26 / LAT: 36.201147 / LONG: -107.53888 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 912 FNL / 1592 FEL / TWSP: 23N / RANGE: 7W / SECTION: 26 / LAT: 36.20184 / LONG: -107.541219 (TVD: 5699 feet, MD: 5974 feet)
PPP: NESE / 2227 FSL / 1 FEL / TWSP: 23N / RANGE: 7W / SECTION: 22 / LAT: 36.210648 / LONG: -107.553632 (TVD: 5748 feet, MD: 15274 feet)
PPP: SWSE / 1 FSL / 1 FEL / TWSP: 23N / RANGE: 7W / SECTION: 23 / LAT: 36.20463 / LONG: -107.54225 (TVD: 5748 feet, MD: 15274 feet)
PPP: SESW / 1 FSL / 2574 FWL / TWSP: 23N / RANGE: 7W / SECTION: 23 / LAT: 36.204398 / LONG: -107.544823 (TVD: 5748 feet, MD: 15274 feet)
BHL: NENW / 330 FNL / 1931 FWL / TWSP: 23N / RANGE: 7W / SECTION: 22 / LAT: 36.218588 / LONG: -107.564826 (TVD: 5748 feet, MD: 15274 feet)

BLM Point of Contact

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

CONFIDENTIAL

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

WELL LOCATION INFORMATION

API Number 30-043-21538	Pool Code 98174	Pool Name ALAMITO N; MANCOS (OIL)
Property Code 325267	Property Name NORTH ALAMITO UNIT	Well Number 206H
OGRID No. 371838	Operator Name DJR OPERATING, LLC	Ground Level Elevation 7307'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location (SHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
A	26	23N	7W		1151' NORTH	906' EAST	36.201147° N	107.538880° W	SANDOVAL

Bottom Hole Location (BHL)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
C	22	23N	7W		330' NORTH	1931' WEST	36.218588° N	107.564826° W	SANDOVAL

Dedicated Acres SEC 26: NW/NE & NE/NW (80 AC.); SEC 23: SW/SE, SW/4 & SW/NW (240 AC.); SEC 22: NE/SE, SE/NE, SW/NE, NW/NE, SE/NW & NE/NW (240 AC.) = 560 ACRES	Infill or Defining Well INFILL	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code UNITIZATION
Order Numbers: R-13457	Well Setbacks are under Common Ownership: ☐ Yes ☒ No			

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
B	26	23N	7W		912' NORTH	1592' EAST	36.201840° N	107.541219° W	SANDOVAL

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
B	26	23N	7W		912' NORTH	1592' EAST	36.201840° N	107.541219° W	SANDOVAL

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft from the N/S	Ft from the E/W	Latitude	Longitude	County
C	22	23N	7W		330' NORTH	1931' WEST	36.218588° N	107.564826° W	SANDOVAL

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

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

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

Shaw-Marie Ford
Signature

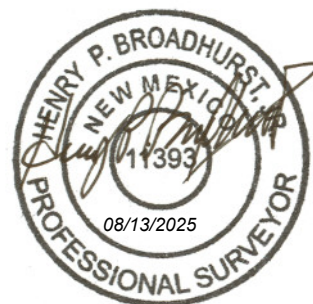
8/13/2025
Date

Shaw-Marie Ford
Printed Name

sford@enduringresources.com
E-mail Address

SURVEYOR CERTIFICATIONS

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



Signature and Seal of Professional Surveyor:

Certificate Number

11393

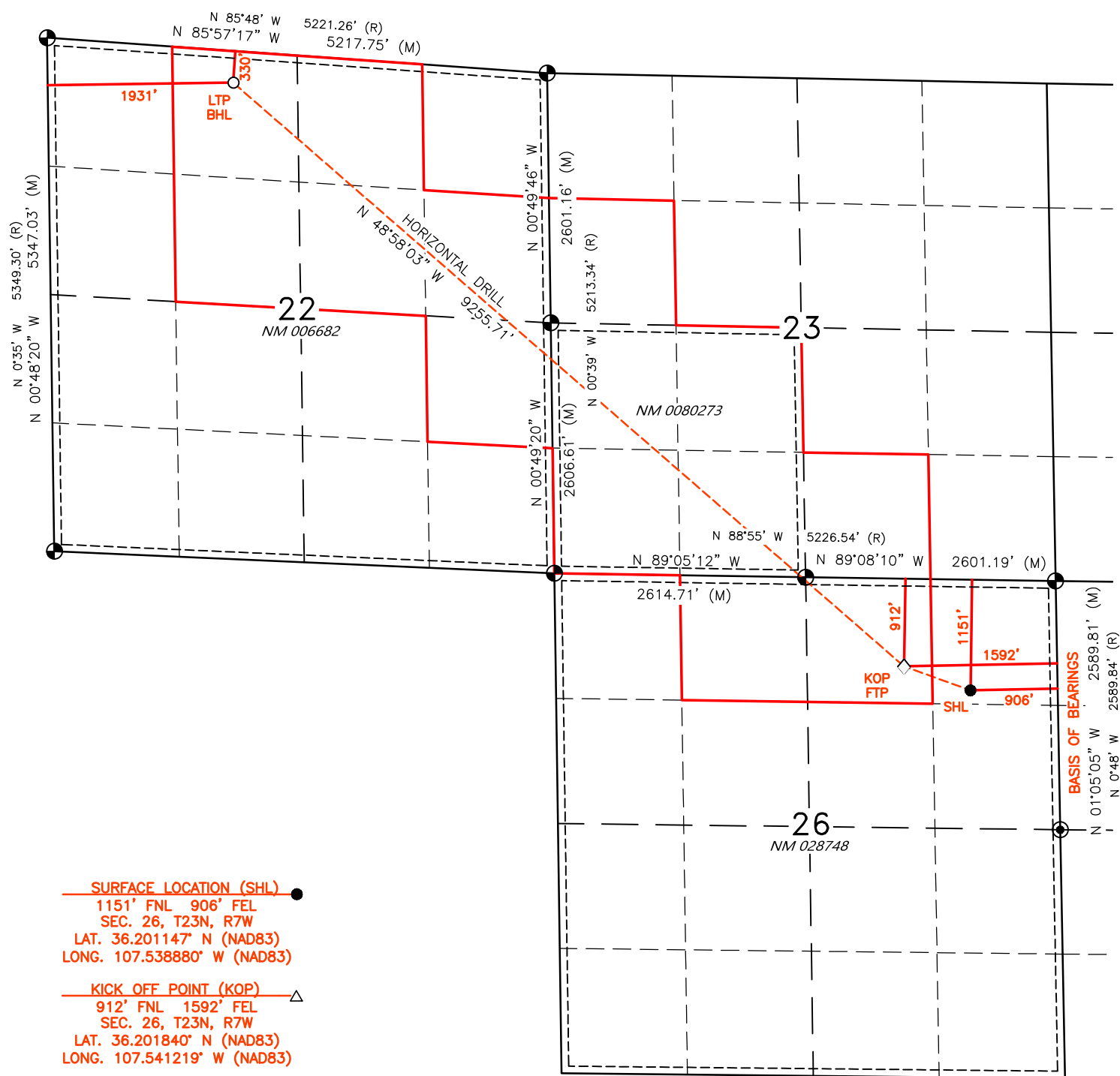
Date of Survey

AUGUST 10, 2023

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

● FND 1.5" AC
2010

● FND 2.5" BC
GLO 1948



SURFACE LOCATION (SHL) ●

1151' FNL 906' FEL
SEC. 26, T23N, R7W
LAT. 36.201147° N (NAD83)
LONG. 107.538880° W (NAD83)

KICK OFF POINT (KOP) △

912' FNL 1592' FEL
SEC. 26, T23N, R7W
LAT. 36.201840° N (NAD83)
LONG. 107.541219° W (NAD83)

FIRST TAKE POINT (FTP) ◇

912' FNL 1592' FEL
SEC. 26, T23N, R7W
LAT. 36.201840° N (NAD83)
LONG. 107.541219° W (NAD83)

LAST TAKE POINT (LTP) □

330' FNL 1931' FWL
SEC. 22, T23N, R7W
LAT. 36.218588° N (NAD83)
LONG. 107.564826° W (NAD83)

BOTTOM HOLE LOCATION (BHL) ○

330' FNL 1931' FWL
SEC. 22, T23N, R7W
LAT. 36.218588° N (NAD83)
LONG. 107.564826° W (NAD83)

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: DJR Operating, LLC **OGRID:** 371838 **Date:** 08 / 14 / 2025

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
N. Alamito Unit 206H	TBD	A-26-23N-7W	1151 FNL x 906 FEL	434	1278	173
N. Alamito Unit 542H	TBD	A-26-23N-7W	1162 FNL x 890 FEL	374	675	150
N. Alamito Unit 543H	TBD	A-26-23N-7W	1172 FNL x 873 FEL	268	1331	107
N. Alamito Unit 544H	TBD	A-26-23N-7W	1141 FNL x 923 FEL	459	540	184
				3-yr Decline	3-yr Decline	3-yr Decline
N. Alamito Unit 206H	TBD	A-26-23N-7W	1151 FNL x 906 FEL	98	392	39
N. Alamito Unit 542H	TBD	A-26-23N-7W	1162 FNL x 890 FEL	85	338	34
N. Alamito Unit 543H	TBD	A-26-23N-7W	1172 FNL x 873 FEL	61	242	24
N. Alamito Unit 544H	TBD	A-26-23N-7W	1141 FNL x 923 FEL	104	415	41

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

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

Well Name	API	Spud Date	TD Reached Date	Completion Start Date	Initial Flow Back Date	First Production Date
N. Alamito Unit 206H	TBD	11/1/2026	3/4/2026	4/22/2026	6/1/2026	6/3/2026
N. Alamito Unit 542H	TBD	11/2/2026	3/14/2026	4/22/2026	6/1/2026	6/3/2026
N. Alamito Unit 543H	TBD	11/3/2026	3/22/2026	4/22/2026	6/1/2026	6/3/2026
N. Alamito Unit 544H	TBD	11/4/2026	3/30/2026	4/22/2026	6/1/2026	6/3/2026

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

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

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

Section 2 – Enhanced Plan**EFFECTIVE APRIL 1, 2022**

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

If Operator checks this box, Operator will select one of the following:

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: <i>Shaw-Marie Ford</i>
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 8/14/2025
Phone: 505-716-3297
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

SEPARATION EQUIPMENT

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

Separation equipment will be set as follows:

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

Heater treaters will be set as follows:

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

Vapor Recovery Equipment will be set as follows:

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

Production storage tanks will be set as follows:

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



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

VENTING and FLARING

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

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

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

DJR will only flare gas during the following times:

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



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

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

19.15.27.8 B. Venting and flaring during drilling operations

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

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, DJR utilizes the following:

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



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

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 take 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.



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

- a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.
 - b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts DJR of flare malfunction within 18 months after May 25, 2021.
 - c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
 - d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.
4. DJR will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
 5. DJR will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
 6. DJR may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
 7. Facilities will be designed to minimize waste.
 8. DJR will resolve emergencies as promptly as possible.

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

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



DJR Operating LLC.
OGRID No: 371838
NATURAL GAS MANAGEMENT PLAN
N. Alamito Unit 206H 542H 543H 544H

BEST MANAGEMENT PRACTICES

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

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

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

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

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

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

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

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

Rev 0



DRILLING PLAN

North Alamito Unit #206H

Sandoval County, New Mexico

Surface Location

906-ft FEL & 1151-ft FNL
 Sec 26 T23N R7W
 Graded Elevation 7307' MSL
 RKB Elevation 7321' (14' KB)

SHL Geographical Coordinates (NAD-83)

Latitude 36.2011470° N
 Longitude 107.5388800° W

Kick Off Point for Horizontal Build Curve

5180-ft MD
 5172-ft TVD

Local Coordinates (from SHL)

64-ft South
 298-ft West

Heel Location (Pay zone entry)

1592-ft FEL & 912-ft FNL
 Sec 26 T23N R7W

Heel Geographical Coordinates (NAD-83)

Latitude 36.201840433° N
 Longitude 107.54121859° W

Bottom Hole Location (TD)

1931-ft FWL & 330-ft FNL
 Sec 22 T23N R7W

BHL Geographical Coordinates (NAD-83)

Latitude 36.218588° N
 Longitude 107.5648260° W

Well objectives

This well is planned as a 9250-ft lateral in the Gallup C sand.

Bottom Hole temperature and pressure

The temperature in the Gallup C horizontal objective is 148°F. Bottom hole pressure in the Gallup C 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	1491	1489	Sd	W	8.3	8.4 – 8.8
Kirtland	1666	1664	Sh	-	8.3	8.4 – 8.8
Fruitland	1870	1868	C	G	8.3	9.0 - 9.5
Pictured Cliffs	2111	2108	Sd	W	8.3	9.0 - 9.5
Lewis	2224	2221	Sh	-		9.0 - 9.5
Chacra	2952	2948	Sd	-	8.3	9.0 - 9.5
Menefee	3635	3630	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	4443	4436	Sd	-	8.3	9.0 - 9.5
Mancos	4588	4581	Sh	-		9.0 - 9.5
Mancos Silt	4958	4950	Slt	O/G	6.6	9.0 - 9.5
Gallup A	5463	5440	Slt	O/G	6.6	9.0 - 9.5
Gallup B	5506	5476	Sd	O/G	6.6	8.8 - 9.0
Gallup C	5652	5581	Sd	O/G	6.6	8.8 - 9.0
Target	6018	5701	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	5974	surf	5699	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	5735	15274	5628	5748	5735

Note: all casing will be new

Rev 0



Casing Design Load Cases

		Casing String		
Description		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

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

Cement Design

9-5/8" Surface Casing

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

7" Intermediate Casing

	Lead	Tail
	American	American
Type	I/II	Poz/G
Planned top	Surface	4588-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.34	1.51
Mix water (gal/sx)	13.22	7.13
Volume (sx)	510	144
Volume (bbls)	212	39
Volume (cu.ft.)	1193	217
Excess %	78	0



Rev 0

4-1/2" Production Liner

Type	American
Planned top	Poz/G
Density (ppg)	5735-ft
Yield (cf/sx)	13.3
Mix water (gal/sx)	1.52
Volume (sx)	7.52
Volume (bbls)	825
Volume (cu.ft)	223
Excess %	1255
	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 – 5974	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	5974 – 15274	8.8 – 9.2	34 – 38	6 – 8	6 – 8

Cores, tests and logs

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

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

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

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

Cuttings and drilling fluids management

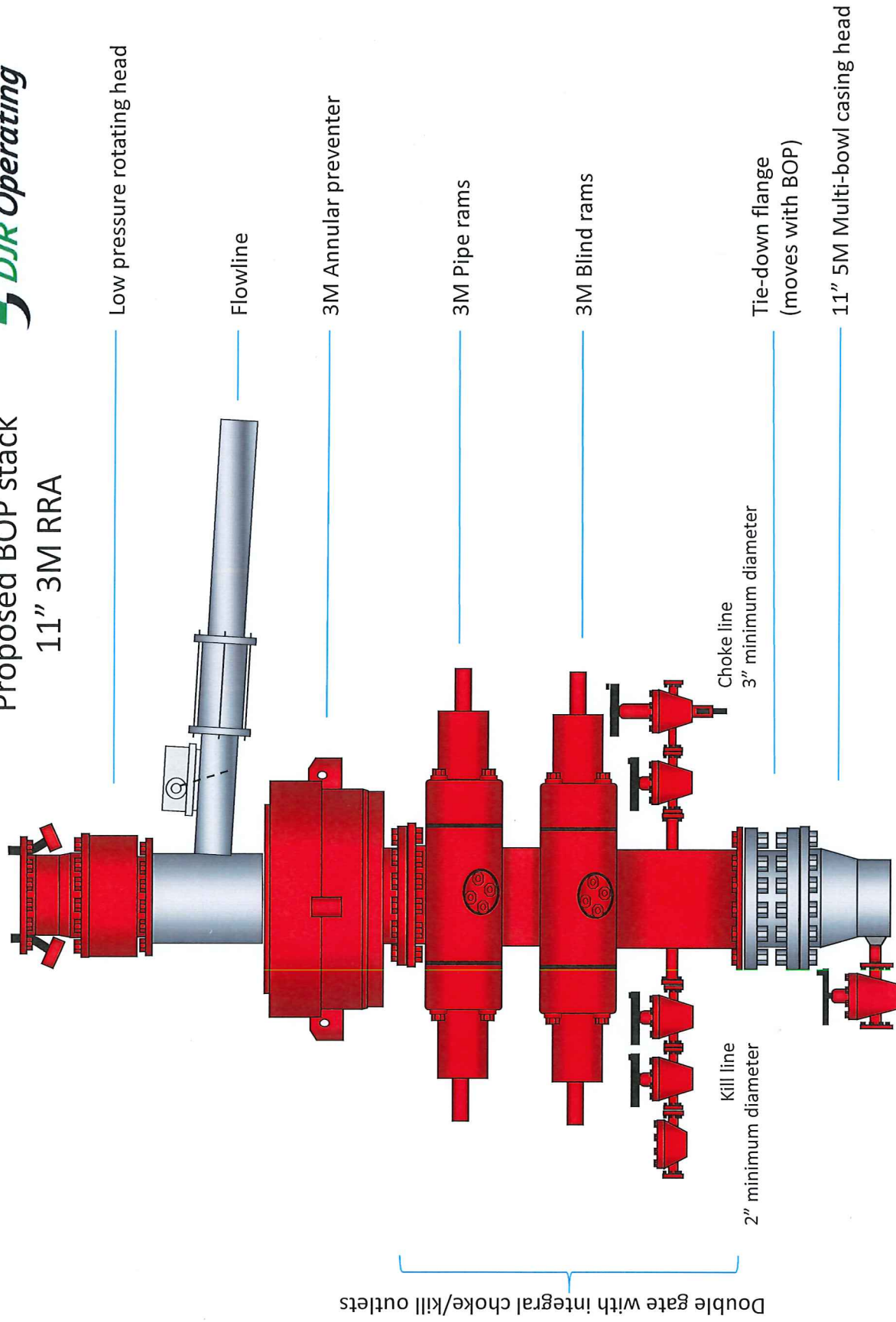
A closed loop, steel tank-based circulating system will be used. In addition to the rig solids control equipment, a dewatering centrifuge and chemical flocculation system will be operational to strip solids from the whole mud. All solids will be collected in 3-sided bins and will then be put into transports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

Completion

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



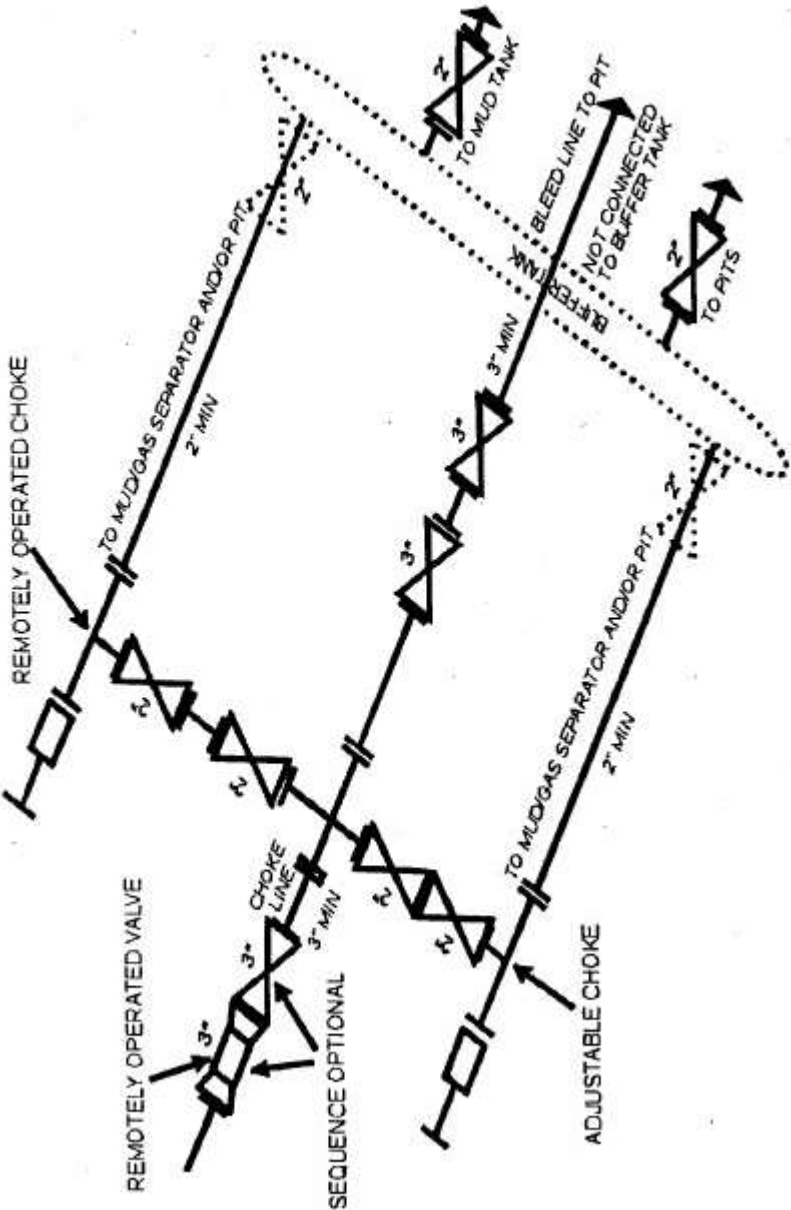
Proposed BOP stack 11" 3M RRA





Choke Manifold

Actual system to conform with Onshore Order 2





Company: DJR Operating
Project: North Alamito Unit
Site: A26 2307 Pad
Well: # 206H
Wellbore: Original Drilling
Design: APD Rev 1

PROJECT DETAILS: North Alamito Unit

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



WELL DETAILS: # 206H

GL 7307' & RKB 14' @ 7321ft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0	0	1892646.82	2809965.65	36.20114700	-107.53888000	3

Plan: APD Rev 1 (# 206H/Original Drilling)

Created By: Janie Collins Date: 14:04, August 23 2023

DESIGN TARGET DETAILS

Time	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
206H Heel	5701	252	-690	1892897.16	2809274.92	36.20184043	-107.54121859
206H Toe	5748	6350	-7653	1898973.51	2802293.08	36.21858800	-107.56482600

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0	0.00	0.00	0	0	0	0.00	0.00	0
350	0.00	0.00	350	0	0	0.00	0.00	0
518	3.35	252.14	518	-2	-5	2.00	252.14	3
5180	3.35	252.14	5172	-85	-264	0.00	0.00	149
6018	89.71	311.21	5701	252	-690	10.50	59.12	692
15274	89.71	311.21	5748	6350	-7653	0.00	0.00	9945



Azimuths to True North
Magnetic North: 10.5°

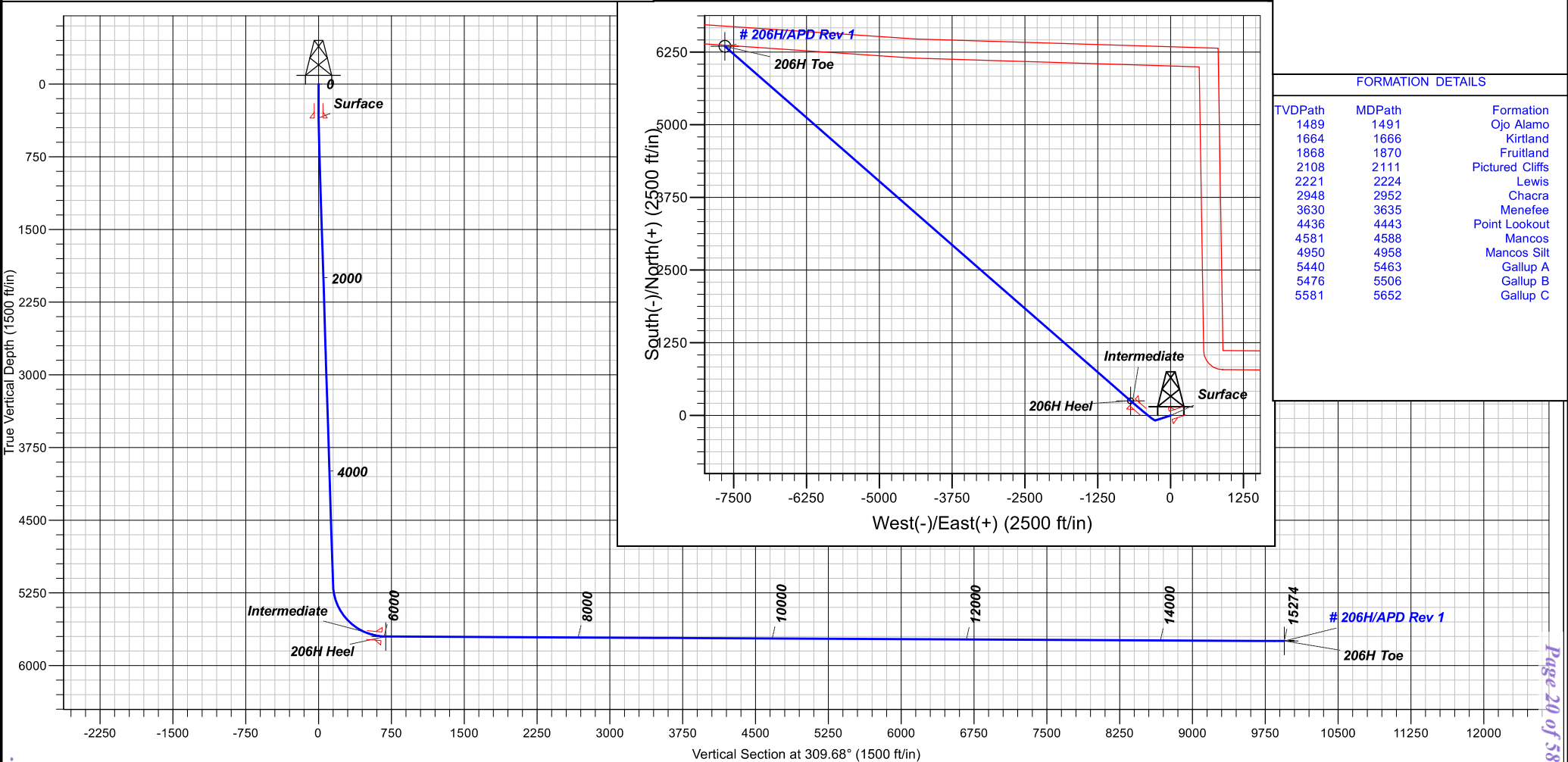
Magnetic Field
Strength: 51236 nT
Dip Angle: 63.8°
Date: 12/31/2024
Model: IGRF2020

CASING DETAILS

TVD	MD	Name
350	350	Surface
5699	5974	Intermediate

FORMATION DETAILS

TVDPath	MDPath	Formation
1489	1491	Ojo Alamo
1664	1666	Kirtland
1868	1870	Fruitland
2108	2111	Pictured Cliffs
2221	2224	Lewis
2948	2952	Chacra
3630	3635	Menefee
4436	4443	Point Lookout
4581	4588	Mancos
4950	4958	Mancos Silt
5440	5463	Gallup A
5476	5506	Gallup B
5581	5652	Gallup C





DJR Operating

North Alamito Unit

A26 2307 Pad

206H - Slot 3

Original Drilling

Plan: APD Rev 1

Standard Planning Report

23 August, 2023





Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well # 206H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Project:	North Alamito Unit	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site:	A26 2307 Pad	North Reference:	True
Well:	# 206H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

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

Site		A26 2307 Pad			
Site Position:		Northing:	1,892,625.45 usft	Latitude:	36.20108800
From:	Lat/Long	Easting:	2,809,999.35 usft	Longitude:	-107.53876600
Position Uncertainty:	0 ft	Slot Radius:	13.20 in		

Well	# 206H - Slot 3					
Well Position	+N/-S	0 ft	Northing:	1,892,646.82 usft	Latitude:	36.20114700
	+E/-W	0 ft	Easting:	2,809,965.65 usft	Longitude:	-107.53888000
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	7307 ft
Grid Convergence:	0.17 °					

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2000	12/31/2004	10.76	63.25	51,236.83067282

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	309.68

Plan Survey Tool Program	Date	8/23/2023		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0	15,274 APD Rev 1 (Original Drilling)	MWD+IGRF	
			OWSG MWD + IGRF or WMM	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	
350	0.00	0.00	350	0	0	0.00	0.00	0.00	0.00	
518	3.35	252.14	518	-2	-5	2.00	2.00	0.00	252.14	
5180	3.35	252.14	5172	-85	-264	0.00	0.00	0.00	0.00	
6018	89.71	311.21	5701	252	-690	10.50	10.31	7.05	59.12	206H Heel
15,274	89.71	311.21	5748	6350	-7653	0.00	0.00	0.00	0.00	206H Toe



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well # 206H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Project:	North Alamo Unit	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site:	A26 2307 Pad	North Reference:	True
Well:	# 206H	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
350	0.00	0.00	350	0	0	0	0.00	0.00	0.00
400	1.00	252.14	400	0	0	0	2.00	2.00	0.00
500	3.00	252.14	500	-1	-4	2	2.00	2.00	0.00
518	3.35	252.14	518	-2	-5	3	2.00	2.00	0.00
600	3.35	252.14	600	-3	-9	5	0.00	0.00	0.00
700	3.35	252.14	700	-5	-15	8	0.00	0.00	0.00
800	3.35	252.14	799	-7	-20	11	0.00	0.00	0.00
900	3.35	252.14	899	-8	-26	15	0.00	0.00	0.00
1000	3.35	252.14	999	-10	-32	18	0.00	0.00	0.00
1100	3.35	252.14	1099	-12	-37	21	0.00	0.00	0.00
1200	3.35	252.14	1199	-14	-43	24	0.00	0.00	0.00
1300	3.35	252.14	1299	-16	-48	27	0.00	0.00	0.00
1400	3.35	252.14	1398	-17	-54	30	0.00	0.00	0.00
1500	3.35	252.14	1498	-19	-59	33	0.00	0.00	0.00
1600	3.35	252.14	1598	-21	-65	37	0.00	0.00	0.00
1700	3.35	252.14	1698	-23	-70	40	0.00	0.00	0.00
1800	3.35	252.14	1798	-25	-76	43	0.00	0.00	0.00
1900	3.35	252.14	1898	-26	-82	46	0.00	0.00	0.00
2000	3.35	252.14	1997	-28	-87	49	0.00	0.00	0.00
2100	3.35	252.14	2097	-30	-93	52	0.00	0.00	0.00
2200	3.35	252.14	2197	-32	-98	55	0.00	0.00	0.00
2300	3.35	252.14	2297	-33	-104	59	0.00	0.00	0.00
2400	3.35	252.14	2397	-35	-109	62	0.00	0.00	0.00
2500	3.35	252.14	2497	-37	-115	65	0.00	0.00	0.00
2600	3.35	252.14	2596	-39	-121	68	0.00	0.00	0.00
2700	3.35	252.14	2696	-41	-126	71	0.00	0.00	0.00
2800	3.35	252.14	2796	-42	-132	74	0.00	0.00	0.00
2900	3.35	252.14	2896	-44	-137	77	0.00	0.00	0.00
3000	3.35	252.14	2996	-46	-143	81	0.00	0.00	0.00
3100	3.35	252.14	3095	-48	-148	84	0.00	0.00	0.00
3200	3.35	252.14	3195	-50	-154	87	0.00	0.00	0.00
3300	3.35	252.14	3295	-51	-160	90	0.00	0.00	0.00
3400	3.35	252.14	3395	-53	-165	93	0.00	0.00	0.00
3500	3.35	252.14	3495	-55	-171	96	0.00	0.00	0.00
3600	3.35	252.14	3595	-57	-176	99	0.00	0.00	0.00
3700	3.35	252.14	3694	-59	-182	103	0.00	0.00	0.00
3800	3.35	252.14	3794	-60	-187	106	0.00	0.00	0.00
3900	3.35	252.14	3894	-62	-193	109	0.00	0.00	0.00
4000	3.35	252.14	3994	-64	-199	112	0.00	0.00	0.00
4100	3.35	252.14	4094	-66	-204	115	0.00	0.00	0.00
4200	3.35	252.14	4194	-68	-210	118	0.00	0.00	0.00
4300	3.35	252.14	4293	-69	-215	121	0.00	0.00	0.00
4400	3.35	252.14	4393	-71	-221	125	0.00	0.00	0.00
4500	3.35	252.14	4493	-73	-226	128	0.00	0.00	0.00
4600	3.35	252.14	4593	-75	-232	131	0.00	0.00	0.00
4700	3.35	252.14	4693	-77	-238	134	0.00	0.00	0.00
4800	3.35	252.14	4793	-78	-243	137	0.00	0.00	0.00
4900	3.35	252.14	4892	-80	-249	140	0.00	0.00	0.00
5000	3.35	252.14	4992	-82	-254	143	0.00	0.00	0.00
5100	3.35	252.14	5092	-84	-260	146	0.00	0.00	0.00



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well # 206H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Project:	North Alamito Unit	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site:	A26 2307 Pad	North Reference:	True
Well:	# 206H	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)
5180	3.35	252.14	5172	-85	-264	149	0.00	0.00	0.00
5200	4.74	273.94	5192	-85	-266	150	10.50	7.12	111.62
5300	14.55	300.06	5290	-79	-281	166	10.50	9.81	26.12
5400	24.93	305.01	5384	-60	-309	199	10.50	10.37	4.96
5500	35.37	307.16	5471	-31	-349	249	10.50	10.45	2.15
5600	45.84	308.42	5547	9	-401	314	10.50	10.47	1.26
5700	56.32	309.30	5609	58	-461	392	10.50	10.48	0.88
5800	66.80	309.99	5657	114	-529	480	10.50	10.48	0.69
5900	77.29	310.57	5688	176	-601	575	10.50	10.49	0.58
6000	87.78	311.11	5701	240	-676	674	10.50	10.49	0.54
6018	89.71	311.21	5701	252	-690	692	10.50	10.49	0.53
6100	89.71	311.21	5701	306	-751	774	0.00	0.00	0.00
6200	89.71	311.21	5702	372	-827	874	0.00	0.00	0.00
6300	89.71	311.21	5702	438	-902	974	0.00	0.00	0.00
6400	89.71	311.21	5703	504	-977	1074	0.00	0.00	0.00
6500	89.71	311.21	5703	570	-1052	1174	0.00	0.00	0.00
6600	89.71	311.21	5704	636	-1127	1274	0.00	0.00	0.00
6700	89.71	311.21	5704	701	-1203	1373	0.00	0.00	0.00
6800	89.71	311.21	5705	767	-1278	1473	0.00	0.00	0.00
6900	89.71	311.21	5705	833	-1353	1573	0.00	0.00	0.00
7000	89.71	311.21	5706	899	-1428	1673	0.00	0.00	0.00
7100	89.71	311.21	5706	965	-1504	1773	0.00	0.00	0.00
7200	89.71	311.21	5707	1031	-1579	1873	0.00	0.00	0.00
7300	89.71	311.21	5707	1097	-1654	1973	0.00	0.00	0.00
7400	89.71	311.21	5708	1163	-1729	2073	0.00	0.00	0.00
7500	89.71	311.21	5708	1228	-1805	2173	0.00	0.00	0.00
7600	89.71	311.21	5709	1294	-1880	2273	0.00	0.00	0.00
7700	89.71	311.21	5710	1360	-1955	2373	0.00	0.00	0.00
7800	89.71	311.21	5710	1426	-2030	2473	0.00	0.00	0.00
7900	89.71	311.21	5711	1492	-2106	2573	0.00	0.00	0.00
8000	89.71	311.21	5711	1558	-2181	2673	0.00	0.00	0.00
8100	89.71	311.21	5712	1624	-2256	2773	0.00	0.00	0.00
8200	89.71	311.21	5712	1690	-2331	2873	0.00	0.00	0.00
8300	89.71	311.21	5713	1755	-2406	2973	0.00	0.00	0.00
8400	89.71	311.21	5713	1821	-2482	3073	0.00	0.00	0.00
8500	89.71	311.21	5714	1887	-2557	3173	0.00	0.00	0.00
8600	89.71	311.21	5714	1953	-2632	3273	0.00	0.00	0.00
8700	89.71	311.21	5715	2019	-2707	3373	0.00	0.00	0.00
8800	89.71	311.21	5715	2085	-2783	3473	0.00	0.00	0.00
8900	89.71	311.21	5716	2151	-2858	3573	0.00	0.00	0.00
9000	89.71	311.21	5716	2217	-2933	3673	0.00	0.00	0.00
9100	89.71	311.21	5717	2282	-3008	3773	0.00	0.00	0.00
9200	89.71	311.21	5717	2348	-3084	3873	0.00	0.00	0.00
9300	89.71	311.21	5718	2414	-3159	3973	0.00	0.00	0.00
9400	89.71	311.21	5718	2480	-3234	4073	0.00	0.00	0.00
9500	89.71	311.21	5719	2546	-3309	4172	0.00	0.00	0.00
9600	89.71	311.21	5719	2612	-3385	4272	0.00	0.00	0.00
9700	89.71	311.21	5720	2678	-3460	4372	0.00	0.00	0.00
9800	89.71	311.21	5720	2744	-3535	4472	0.00	0.00	0.00
9900	89.71	311.21	5721	2809	-3610	4572	0.00	0.00	0.00
10,000	89.71	311.21	5721	2875	-3685	4672	0.00	0.00	0.00
10,100	89.71	311.21	5722	2941	-3761	4772	0.00	0.00	0.00
10,200	89.71	311.21	5722	3007	-3836	4872	0.00	0.00	0.00
10,300	89.71	311.21	5723	3073	-3911	4972	0.00	0.00	0.00



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well # 206H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Project:	North Alamito Unit	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site:	A26 2307 Pad	North Reference:	True
Well:	# 206H	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)
10,400	89.71	311.21	5723	3139	-3986	5072	0.00	0.00	0.00
10,500	89.71	311.21	5724	3205	-4062	5172	0.00	0.00	0.00
10,600	89.71	311.21	5724	3271	-4137	5272	0.00	0.00	0.00
10,700	89.71	311.21	5725	3336	-4212	5372	0.00	0.00	0.00
10,800	89.71	311.21	5725	3402	-4287	5472	0.00	0.00	0.00
10,900	89.71	311.21	5726	3468	-4363	5572	0.00	0.00	0.00
11,000	89.71	311.21	5726	3534	-4438	5672	0.00	0.00	0.00
11,100	89.71	311.21	5727	3600	-4513	5772	0.00	0.00	0.00
11,200	89.71	311.21	5727	3666	-4588	5872	0.00	0.00	0.00
11,300	89.71	311.21	5728	3732	-4664	5972	0.00	0.00	0.00
11,400	89.71	311.21	5728	3798	-4739	6072	0.00	0.00	0.00
11,500	89.71	311.21	5729	3863	-4814	6172	0.00	0.00	0.00
11,600	89.71	311.21	5729	3929	-4889	6272	0.00	0.00	0.00
11,700	89.71	311.21	5730	3995	-4964	6372	0.00	0.00	0.00
11,800	89.71	311.21	5730	4061	-5040	6472	0.00	0.00	0.00
11,900	89.71	311.21	5731	4127	-5115	6572	0.00	0.00	0.00
12,000	89.71	311.21	5731	4193	-5190	6672	0.00	0.00	0.00
12,100	89.71	311.21	5732	4259	-5265	6772	0.00	0.00	0.00
12,200	89.71	311.21	5732	4325	-5341	6871	0.00	0.00	0.00
12,300	89.71	311.21	5733	4390	-5416	6971	0.00	0.00	0.00
12,400	89.71	311.21	5733	4456	-5491	7071	0.00	0.00	0.00
12,500	89.71	311.21	5734	4522	-5566	7171	0.00	0.00	0.00
12,600	89.71	311.21	5734	4588	-5642	7271	0.00	0.00	0.00
12,700	89.71	311.21	5735	4654	-5717	7371	0.00	0.00	0.00
12,800	89.71	311.21	5735	4720	-5792	7471	0.00	0.00	0.00
12,900	89.71	311.21	5736	4786	-5867	7571	0.00	0.00	0.00
13,000	89.71	311.21	5736	4852	-5943	7671	0.00	0.00	0.00
13,100	89.71	311.21	5737	4917	-6018	7771	0.00	0.00	0.00
13,200	89.71	311.21	5737	4983	-6093	7871	0.00	0.00	0.00
13,300	89.71	311.21	5738	5049	-6168	7971	0.00	0.00	0.00
13,400	89.71	311.21	5738	5115	-6243	8071	0.00	0.00	0.00
13,500	89.71	311.21	5739	5181	-6319	8171	0.00	0.00	0.00
13,600	89.71	311.21	5739	5247	-6394	8271	0.00	0.00	0.00
13,700	89.71	311.21	5740	5313	-6469	8371	0.00	0.00	0.00
13,800	89.71	311.21	5740	5379	-6544	8471	0.00	0.00	0.00
13,900	89.71	311.21	5741	5444	-6620	8571	0.00	0.00	0.00
14,000	89.71	311.21	5741	5510	-6695	8671	0.00	0.00	0.00
14,100	89.71	311.21	5742	5576	-6770	8771	0.00	0.00	0.00
14,200	89.71	311.21	5742	5642	-6845	8871	0.00	0.00	0.00
14,300	89.71	311.21	5743	5708	-6921	8971	0.00	0.00	0.00
14,400	89.71	311.21	5743	5774	-6996	9071	0.00	0.00	0.00
14,500	89.71	311.21	5744	5840	-7071	9171	0.00	0.00	0.00
14,600	89.71	311.21	5744	5906	-7146	9271	0.00	0.00	0.00
14,700	89.71	311.21	5745	5971	-7221	9371	0.00	0.00	0.00
14,800	89.71	311.21	5745	6037	-7297	9471	0.00	0.00	0.00
14,900	89.71	311.21	5746	6103	-7372	9570	0.00	0.00	0.00
15,000	89.71	311.21	5747	6169	-7447	9670	0.00	0.00	0.00
15,100	89.71	311.21	5747	6235	-7522	9770	0.00	0.00	0.00
15,200	89.71	311.21	5748	6301	-7598	9870	0.00	0.00	0.00
15,274	89.71	311.21	5748	6350	-7653	9945	0.00	0.00	0.00



Database:	Grand Junction	Local Co-ordinate Reference:	Well # 206H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Project:	North Alamito Unit	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site:	A26 2307 Pad	North Reference:	True
Well:	# 206H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
206H Heel	0.00	0.00	5701	252	-690	1,892,897.16	2,809,274.93	36.20184043	-107.54121860
- plan hits target center									
- Circle (radius 50)									
206H Toe	0.00	0.00	5748	6350	-7653	1,898,973.51	2,802,293.09	36.21858800	-107.56482600
- plan hits target center									
- Circle (radius 100)									

Casing Points					
Measured Depth	Vertical Depth			Casing Diameter	Hole Diameter
(ft)	(ft)	Name		(in)	(in)
350	350	Surface		9.63	12.25
5974	5699	Intermediate		7.00	8.75

Formations					
Measured Depth	Vertical Depth			Dip	Dip Direction
(ft)	(ft)	Name	Lithology	(°)	(°)
1491	1489	Ojo Alamo		0.00	0.00
1666	1664	Kirtland		0.00	0.00
1870	1868	Fruitland		0.00	0.00
2111	2108	Pictured Cliffs		0.00	0.00
2224	2221	Lewis		0.00	0.00
2952	2948	Chacra		0.00	0.00
3635	3630	Menefee		0.00	0.00
4443	4436	Point Lookout		0.00	0.00
4588	4581	Mancos		0.00	0.00
4958	4950	Mancos Silt		0.00	0.00
5463	5440	Gallup A		0.00	0.00
5506	5476	Gallup B		0.00	0.00
5652	5581	Gallup C		0.00	0.00



DJR Operating

North Alamito Unit

A26 2307 Pad

206H

Original Drilling

APD Rev 1

Anticollision Report

23 August, 2023





Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Reference	APD Rev 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 15,000ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	8/23/2023		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0	15,274	APD Rev 1 (Original Drilling)	MWD+IGRF	OWSG MWD + IGRF or WMM

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
A26 2307 Pad						
# 542H - Original Drilling - APD Rev 1	350	350	20	18	8.806	CC
# 542H - Original Drilling - APD Rev 1	400	400	20	17	7.655	ES
# 542H - Original Drilling - APD Rev 1	518	518	22	19	6.540	SF
# 543H - Original Drilling - APD Rev 1	882	884	33	27	5.323	CC
# 543H - Original Drilling - APD Rev 1	900	902	33	27	5.215	ES
# 543H - Original Drilling - APD Rev 1	15,274	14,883	774	296	1.618	SF
# 544H - Original Drilling - APD Rev 1	406	406	20	18	7.638	CC, ES
# 544H - Original Drilling - APD Rev 1	14,300	13,877	769	336	1.778	SF
Federal B-22 - OH - OH	11,295	5584	535	217	1.680	CC
Federal B-22 - OH - OH	11,300	5584	535	217	1.680	ES, SF
Federal B-8 - OH - OH	15,200	5814	510	87	1.205	Level 3, CC, ES, SF

Offset Design: A26 2307 Pad - # 542H - Original Drilling - APD Rev 1													Offset Site Error: 0 ft	
Survey Program: 0-MWD+IGRF													Offset Well Error: 0 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0	0	0	0	0	0	122.12	-11	17	20					
100	100	100	100	0	0	122.12	-11	17	20	19	0.46	42.938		
200	200	200	200	1	1	122.12	-11	17	20	19	1.18	16.836		
300	300	300	300	1	1	122.12	-11	17	20	18	1.90	10.471		
350	350	350	350	1	1	122.12	-11	17	20	18	2.25	8.806	CC	
400	400	400	400	1	1	-132.12	-10	17	20	17	2.61	7.655	ES	
500	500	500	500	2	2	-147.59	-7	17	22	18	3.31	6.566		
518	518	518	518	2	2	-151.39	-6	17	22	19	3.44	6.540	SF	
600	600	600	599	2	2	-168.77	0	18	28	24	4.03	6.857		
700	700	698	697	2	2	173.92	10	19	38	33	4.74	7.912		
800	799	796	795	3	3	161.91	23	21	51	46	5.46	9.393		
900	899	895	892	3	3	154.93	37	23	67	60	6.18	10.769		
1000	999	994	990	4	4	150.58	50	24	82	76	6.91	11.940		
1100	1099	1092	1088	4	4	147.65	63	26	99	91	7.63	12.929		
1200	1199	1191	1185	4	4	145.55	76	28	115	107	8.36	13.763		
1300	1299	1289	1283	5	5	143.97	90	29	132	122	9.09	14.475		

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 542H - Original Drilling - APD Rev 1												Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF												Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1400	1398	1388	1381	5	5	142.74	103	31	148	138	9.82	15.087	
1500	1498	1486	1478	5	6	141.76	116	33	165	154	10.55	15.618	
1600	1598	1585	1576	6	6	140.96	129	34	181	170	11.28	16.083	
1700	1698	1684	1674	6	6	140.30	143	36	198	186	12.01	16.492	
1800	1798	1782	1771	7	7	139.74	156	38	215	202	12.74	16.856	
1900	1898	1881	1869	7	7	139.26	169	39	232	218	13.48	17.181	
2000	1997	1979	1967	7	8	138.84	182	41	248	234	14.21	17.473	
2100	2097	2078	2064	8	8	138.48	196	42	265	250	14.94	17.737	
2200	2197	2176	2162	8	9	138.16	209	44	282	266	15.68	17.976	
2300	2297	2275	2260	8	9	137.87	222	46	299	282	16.41	18.194	
2400	2397	2374	2357	9	9	137.62	235	47	315	298	17.14	18.394	
2500	2497	2472	2455	9	10	137.39	249	49	332	314	17.88	18.577	
2600	2596	2571	2553	10	10	137.18	262	51	349	330	18.61	18.746	
2700	2696	2669	2650	10	11	137.00	275	52	366	346	19.35	18.902	
2800	2796	2768	2748	10	11	136.83	288	54	383	362	20.08	19.047	
2900	2896	2866	2846	11	12	136.67	302	56	399	379	20.82	19.182	
3000	2996	2965	2943	11	12	136.53	315	57	416	395	21.55	19.307	
3100	3095	3064	3041	11	12	136.39	328	59	433	411	22.29	19.425	
3200	3195	3162	3139	12	13	136.27	342	61	450	427	23.02	19.534	
3300	3295	3261	3236	12	13	136.16	355	62	467	443	23.76	19.637	
3400	3395	3359	3334	13	14	136.05	368	64	483	459	24.49	19.734	
3500	3495	3458	3432	13	14	135.95	381	66	500	475	25.23	19.825	
3600	3595	3556	3529	13	15	135.86	395	67	517	491	25.96	19.911	
3700	3694	3655	3627	14	15	135.77	408	69	534	507	26.70	19.993	
3800	3794	3754	3725	14	15	135.69	421	70	551	523	27.43	20.070	
3900	3894	3852	3822	14	16	135.61	434	72	567	539	28.17	20.142	
4000	3994	3951	3920	15	16	135.54	448	74	584	555	28.91	20.212	
4100	4094	4049	4018	15	17	135.47	461	75	601	571	29.64	20.277	
4200	4194	4148	4115	16	17	135.41	474	77	618	587	30.38	20.340	
4300	4293	4246	4213	16	18	135.35	487	79	635	604	31.11	20.399	
4400	4393	4345	4311	16	18	135.29	501	80	652	620	31.85	20.456	
4500	4493	4444	4408	17	18	135.24	514	82	668	636	32.58	20.510	
4600	4593	4542	4506	17	19	135.18	527	84	685	652	33.32	20.562	
4700	4693	4641	4604	17	19	135.13	540	85	702	668	34.06	20.612	
4800	4793	4739	4701	18	20	135.09	554	87	719	684	34.79	20.659	
4900	4892	4838	4799	18	20	135.04	567	89	736	700	35.53	20.704	
5000	4992	4936	4897	19	21	135.00	580	90	752	716	36.26	20.748	
5100	5092	5035	4994	19	21	134.96	593	92	769	732	37.00	20.790	
5180	5172	5114	5073	19	21	134.92	604	93	783	745	37.59	20.822	
5200	5192	5134	5092	19	21	112.87	607	94	786	748	37.74	20.827	
5250	5241	5196	5154	19	22	92.95	614	95	793	755	38.22	20.757	
5300	5290	5279	5236	20	22	87.93	618	104	798	759	38.78	20.572	
5350	5338	5350	5306	20	22	87.24	614	119	800	761	39.24	20.382	
5400	5384	5407	5360	20	22	88.09	605	136	801	761	39.64	20.200	
5450	5429	5451	5399	20	22	89.26	597	150	802	762	40.02	20.041	
5500	5471	5482	5427	21	22	90.15	589	162	805	764	40.37	19.929	
5550	5510	5503	5445	21	22	90.52	583	171	809	768	40.70	19.881	
5600	5547	5516	5456	21	22	90.30	579	177	816	775	40.99	19.909	
5650	5580	5523	5462	21	22	89.47	576	180	825	784	41.24	20.014	
5700	5609	5526	5464	22	22	88.09	576	181	837	796	41.47	20.192	
5750	5635	5524	5463	22	22	86.23	576	180	852	810	41.69	20.432	
5800	5657	5519	5459	23	22	83.94	578	178	868	826	41.90	20.721	

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 542H - Original Drilling - APD Rev 1												Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF												Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5850	5674	5512	5453	23	22	81.32	580	175	886	844	42.12	21.046	
5900	5688	5500	5443	24	22	78.28	584	170	906	864	42.33	21.406	
5950	5696	5500	5443	25	22	75.92	584	170	927	884	42.69	21.712	
6000	5701	5479	5425	25	22	72.28	589	161	948	905	42.89	22.113	
6018	5701	5474	5421	25	22	71.12	591	160	956	913	42.99	22.245	
6100	5701	5450	5399	27	22	69.72	597	150	994	951	43.44	22.892	
6200	5702	5433	5383	28	22	68.74	600	144	1047	1003	44.06	23.757	
6300	5702	5415	5367	30	22	67.70	604	138	1105	1061	44.61	24.776	
6400	5703	5400	5353	32	22	66.83	607	133	1169	1124	45.10	25.913	
6500	5703	5400	5353	34	22	66.83	607	133	1237	1191	45.66	27.085	
6600	5704	5375	5329	36	22	65.36	611	126	1308	1262	45.90	28.507	
6700	5704	5350	5305	38	22	63.93	614	119	1384	1337	46.07	30.031	
6800	5705	5350	5305	40	22	63.93	614	119	1461	1415	46.44	31.463	
6900	5705	5350	5305	42	22	63.93	614	119	1541	1495	46.75	32.969	
7000	5706	5350	5305	44	22	63.93	614	119	1624	1577	47.02	34.537	
7100	5706	5350	5305	47	22	63.93	614	119	1708	1661	47.24	36.157	
7200	5707	5328	5284	49	22	62.64	616	114	1794	1746	47.25	37.959	
7300	5707	5322	5278	51	22	62.33	616	113	1881	1833	47.38	39.693	
7400	5708	5300	5257	53	22	61.06	617	108	1969	1922	47.35	41.588	
7500	5708	5300	5257	56	22	61.06	617	108	2058	2011	47.49	43.343	
7600	5709	5300	5257	58	22	61.06	617	108	2148	2101	47.61	45.124	
7700	5710	5300	5257	60	22	61.06	617	108	2239	2191	47.71	46.928	
7800	5710	5300	5257	63	22	61.06	617	108	2331	2283	47.81	48.751	
7900	5711	5300	5257	65	22	61.06	617	108	2423	2375	47.89	50.592	
8000	5711	5300	5257	68	22	61.06	617	108	2516	2468	47.97	52.448	
8100	5712	5300	5257	70	22	61.06	617	108	2609	2561	48.04	54.316	
8200	5712	5300	5257	72	22	61.06	617	108	2703	2655	48.10	56.196	
8300	5713	5300	5257	75	22	61.06	617	108	2798	2749	48.16	58.086	
8400	5713	5300	5257	77	22	61.06	617	108	2892	2844	48.22	59.983	
8500	5714	5300	5257	80	22	61.06	617	108	2987	2939	48.27	61.889	
8600	5714	5300	5257	82	22	61.06	617	108	3083	3034	48.32	63.800	
8700	5715	5278	5235	85	22	59.83	618	104	3178	3130	48.22	65.898	
8800	5715	5276	5233	87	22	59.72	618	104	3274	3225	48.26	67.836	
8900	5716	5274	5232	90	22	59.63	618	104	3370	3321	48.29	69.779	
9000	5716	5273	5230	92	22	59.53	618	103	3466	3418	48.32	71.724	
9100	5717	5250	5207	94	22	58.27	618	100	3563	3515	48.22	73.885	
9200	5717	5250	5207	97	22	58.27	618	100	3659	3611	48.26	75.821	
9300	5718	5250	5207	99	22	58.27	618	100	3756	3708	48.31	77.758	
9400	5718	5250	5207	102	22	58.27	618	100	3853	3805	48.35	79.697	
9500	5719	5250	5207	104	22	58.27	618	100	3950	3902	48.39	81.636	
9600	5719	5250	5207	107	22	58.27	618	100	4047	3999	48.43	83.576	
9700	5720	5250	5207	109	22	58.27	618	100	4145	4096	48.47	85.516	
9800	5720	5250	5207	112	22	58.27	618	100	4242	4194	48.51	87.456	
9900	5721	5250	5207	114	22	58.27	618	100	4340	4291	48.55	89.395	
10,000	5721	5250	5207	117	22	58.27	618	100	4438	4389	48.59	91.333	
10,100	5722	5250	5207	119	22	58.27	618	100	4535	4487	48.63	93.270	
10,200	5722	5250	5207	122	22	58.27	618	100	4633	4585	48.67	95.205	
10,300	5723	5250	5207	124	22	58.27	618	100	4731	4683	48.71	97.139	
10,400	5723	5250	5207	127	22	58.27	618	100	4829	4781	48.75	99.070	
10,500	5724	5250	5207	129	22	58.27	618	100	4927	4879	48.79	101.000	
10,600	5724	5250	5207	132	22	58.27	618	100	5026	4977	48.83	102.927	
10,700	5725	5250	5207	134	22	58.27	618	100	5124	5075	48.87	104.852	

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 542H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,800	5725	5250	5207	137	22	58.27	618	100	5222	5173	48.91	106.774		
10,900	5726	5250	5207	139	22	58.27	618	100	5321	5272	48.95	108.693		
11,000	5726	5250	5207	142	22	58.27	618	100	5419	5370	48.99	110.609		
11,100	5727	5250	5207	144	22	58.27	618	100	5518	5469	49.04	112.522		
11,200	5727	5250	5207	147	22	58.27	618	100	5616	5567	49.08	114.431		
11,300	5728	5250	5207	149	22	58.27	618	100	5715	5666	49.12	116.337		
11,400	5728	5250	5207	152	22	58.27	618	100	5814	5764	49.17	118.239		
11,500	5729	5250	5207	154	22	58.27	618	100	5912	5863	49.21	120.138		
11,600	5729	5250	5207	157	22	58.27	618	100	6011	5962	49.26	122.032		
11,700	5730	5250	5207	159	22	58.27	618	100	6110	6061	49.30	123.923		
11,800	5730	5250	5207	162	22	58.27	618	100	6209	6159	49.35	125.809		
11,900	5731	5250	5207	164	22	58.27	618	100	6308	6258	49.40	127.691		
12,000	5731	5250	5207	167	22	58.27	618	100	6407	6357	49.44	129.569		
12,100	5732	5250	5207	169	22	58.27	618	100	6505	6456	49.49	131.442		
12,200	5732	5250	5207	172	22	58.27	618	100	6604	6555	49.54	133.311		
12,300	5733	5250	5207	174	22	58.27	618	100	6703	6654	49.59	135.175		
12,400	5733	5250	5207	177	22	58.27	618	100	6802	6753	49.64	137.035		
12,500	5734	5250	5207	179	22	58.27	618	100	6902	6852	49.69	138.890		
12,600	5734	5250	5207	182	22	58.27	618	100	7001	6951	49.74	140.740		
12,700	5735	5250	5207	184	22	58.27	618	100	7100	7050	49.79	142.584		
12,800	5735	5250	5207	187	22	58.27	618	100	7199	7149	49.85	144.424		
12,900	5736	5250	5207	189	22	58.27	618	100	7298	7248	49.90	146.259		
13,000	5736	5250	5207	192	22	58.27	618	100	7397	7347	49.95	148.089		
13,100	5737	5250	5207	194	22	58.27	618	100	7496	7446	50.01	149.913		
13,200	5737	5250	5207	197	22	58.27	618	100	7596	7546	50.06	151.732		
13,300	5738	5250	5207	199	22	58.27	618	100	7695	7645	50.11	153.546		
13,400	5738	5250	5207	202	22	58.27	618	100	7794	7744	50.17	155.354		
13,500	5739	5250	5207	204	22	58.27	618	100	7893	7843	50.23	157.157		
13,600	5739	5250	5207	207	22	58.27	618	100	7993	7943	50.28	158.955		
13,700	5740	5250	5207	209	22	58.27	618	100	8092	8042	50.34	160.747		
13,800	5740	5250	5207	212	22	58.27	618	100	8191	8141	50.40	162.533		
13,900	5741	5250	5207	214	22	58.27	618	100	8291	8240	50.46	164.313		
14,000	5741	5250	5207	217	22	58.27	618	100	8390	8340	50.52	166.088		
14,100	5742	5250	5207	219	22	58.27	618	100	8490	8439	50.58	167.857		
14,200	5742	5250	5207	222	22	58.27	618	100	8589	8538	50.64	169.620		
14,300	5743	5250	5207	224	22	58.27	618	100	8688	8638	50.70	171.378		
14,400	5743	5250	5207	227	22	58.27	618	100	8788	8737	50.76	173.129		
14,500	5744	5250	5207	229	22	58.27	618	100	8887	8836	50.82	174.875		
14,600	5744	5250	5207	232	22	58.27	618	100	8987	8936	50.88	176.614		
14,700	5745	5250	5207	234	22	58.27	618	100	9086	9035	50.95	178.348		
14,800	5745	5250	5207	237	22	58.27	618	100	9186	9135	51.01	180.075		
14,900	5746	5250	5207	239	22	58.27	618	100	9285	9234	51.07	181.797		
15,000	5747	5250	5207	242	22	58.27	618	100	9385	9333	51.14	183.512		
15,100	5747	5250	5207	244	22	58.27	618	100	9484	9433	51.20	185.222		
15,200	5748	5250	5207	247	22	58.27	618	100	9584	9532	51.27	186.925		
15,274	5748	5250	5207	249	22	58.25	618	100	9658	9606	51.31	188.202		

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Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0	0	0	0	0	0	122.56	-21	34	40					
100	100	100	100	0	0	122.56	-21	34	40	39	0.46	86.298		
200	200	200	200	1	1	122.56	-21	34	40	39	1.18	33.837		
300	300	300	300	1	1	122.56	-21	34	40	38	1.90	21.044		
350	350	350	350	1	1	122.56	-21	34	40	38	2.25	17.699		
400	400	400	400	1	1	-129.56	-22	33	40	37	2.60	15.333		
500	500	501	501	2	2	-129.39	-23	30	40	37	3.29	12.154		
518	518	519	519	2	2	-129.35	-23	29	40	37	3.42	11.718		
600	600	602	602	2	2	-127.72	-25	23	39	35	4.00	9.865		
700	700	703	702	2	2	-121.53	-29	13	37	32	4.74	7.847		
800	799	803	801	3	3	-109.20	-34	0	34	29	5.51	6.198		
882	881	884	881	3	3	-93.46	-39	-13	33	27	6.18	5.323 CC		
900	899	902	899	3	3	-89.38	-40	-16	33	27	6.32	5.215 ES		
1000	999	1001	995	4	4	-65.96	-47	-35	37	30	7.08	5.242		
1100	1099	1100	1092	4	4	-48.57	-54	-55	47	39	7.77	5.995		
1200	1199	1199	1188	4	5	-37.62	-62	-75	59	50	8.44	6.963		
1300	1299	1297	1285	5	5	-30.58	-69	-95	72	63	9.13	7.928		
1400	1398	1396	1381	5	6	-25.80	-76	-115	87	77	9.83	8.822		
1500	1498	1495	1478	5	6	-22.39	-84	-135	101	91	10.54	9.629		
1600	1598	1594	1574	6	7	-19.85	-91	-155	117	105	11.26	10.351		
1700	1698	1692	1671	6	7	-17.89	-98	-175	132	120	11.98	10.997		
1800	1798	1791	1767	7	8	-16.34	-106	-195	147	134	12.70	11.576		
1900	1898	1890	1863	7	8	-15.08	-113	-215	162	149	13.43	12.097		
2000	1997	1989	1960	7	9	-14.04	-120	-235	178	164	14.16	12.567		
2100	2097	2087	2056	8	9	-13.17	-128	-255	193	179	14.89	12.992		
2200	2197	2186	2153	8	10	-12.42	-135	-274	209	193	15.62	13.379		
2300	2297	2285	2249	8	10	-11.78	-142	-294	225	208	16.35	13.732		
2400	2397	2384	2346	9	11	-11.22	-150	-314	240	223	17.09	14.055		
2500	2497	2482	2442	9	11	-10.73	-157	-334	256	238	17.82	14.353		
2600	2596	2581	2539	10	12	-10.30	-164	-354	271	253	18.56	14.627		
2700	2696	2680	2635	10	13	-9.91	-172	-374	287	268	19.29	14.880		
2800	2796	2779	2731	10	13	-9.57	-179	-394	303	283	20.03	15.115		
2900	2896	2877	2828	11	14	-9.26	-187	-414	318	298	20.77	15.334		
3000	2996	2976	2924	11	14	-8.97	-194	-434	334	313	21.50	15.537		
3100	3095	3075	3021	11	15	-8.72	-201	-454	350	328	22.24	15.727		
3200	3195	3174	3117	12	15	-8.48	-209	-474	365	343	22.98	15.905		
3300	3295	3272	3214	12	16	-8.26	-216	-494	381	357	23.72	16.072		
3400	3395	3371	3310	13	16	-8.07	-223	-514	397	372	24.46	16.229		
3500	3495	3470	3406	13	17	-7.88	-231	-533	413	387	25.19	16.377		
3600	3595	3569	3503	13	17	-7.71	-238	-553	428	402	25.93	16.517		
3700	3694	3667	3599	14	18	-7.55	-245	-573	444	417	26.67	16.648		
3800	3794	3766	3696	14	18	-7.41	-253	-593	460	432	27.41	16.773		
3900	3894	3865	3792	14	19	-7.27	-260	-613	475	447	28.15	16.891		
4000	3994	3964	3889	15	20	-7.14	-267	-633	491	462	28.89	17.003		
4100	4094	4062	3985	15	20	-7.02	-275	-653	507	477	29.63	17.109		
4200	4194	4161	4082	16	21	-6.90	-282	-673	523	492	30.37	17.210		
4300	4293	4260	4178	16	21	-6.80	-289	-693	538	507	31.11	17.307		
4400	4393	4359	4274	16	22	-6.70	-297	-713	554	522	31.85	17.399		
4500	4493	4457	4371	17	22	-6.60	-304	-733	570	537	32.59	17.486		
4600	4593	4556	4467	17	23	-6.51	-311	-753	586	552	33.33	17.570		
4700	4693	4655	4564	17	23	-6.43	-319	-773	601	567	34.07	17.650		
4800	4793	4754	4660	18	24	-6.34	-326	-793	617	582	34.81	17.727		

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Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft	
Survey Program:		0-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0 ft
Measured Depth	Reference Vertical	Measured Depth	Offset Vertical	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Distance Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
4900	4892	4852	4757	18	24	-6.27	-333	-812	633	597	35.55	17.800			
5000	4992	4951	4853	19	25	-6.19	-341	-832	649	612	36.29	17.871			
5100	5092	5050	4949	19	25	-6.12	-348	-852	664	627	37.03	17.939			
5180	5172	5122	5020	19	26	-6.06	-353	-867	677	640	37.57	18.025			
5200	5192	5134	5032	19	26	-27.46	-354	-870	680	643	37.65	18.070			
5250	5241	5167	5063	19	26	-46.31	-355	-878	688	650	37.86	18.177			
5300	5290	5200	5095	20	26	-51.95	-354	-888	695	657	38.07	18.261			
5350	5338	5231	5124	20	27	-54.46	-352	-899	702	663	38.26	18.338			
5400	5384	5263	5154	20	27	-55.88	-349	-912	707	669	38.46	18.383			
5450	5429	5300	5186	20	27	-56.88	-344	-927	712	673	38.73	18.371			
5500	5471	5328	5211	21	27	-57.60	-339	-940	715	676	38.94	18.370			
5550	5510	5361	5238	21	28	-58.31	-332	-956	718	679	39.25	18.296			
5600	5547	5400	5270	21	28	-59.12	-322	-977	720	680	39.73	18.128			
5650	5580	5427	5291	21	28	-59.78	-314	-992	721	681	40.13	17.974			
5661	5586	5434	5296	22	28	-59.95	-312	-996	721	681	40.25	17.925			
5700	5609	5460	5315	22	28	-60.61	-304	-1012	722	681	40.73	17.716			
5740	5630	5486	5334	22	29	-61.33	-294	-1028	721	680	41.31	17.460			
5750	5635	5500	5343	22	29	-61.67	-289	-1037	721	680	41.55	17.357			
5790	5653	5521	5356	23	29	-62.34	-281	-1050	720	678	42.18	17.076			
5800	5657	5527	5360	23	29	-62.54	-278	-1055	720	678	42.36	16.996			
5841	5672	5550	5374	23	29	-63.32	-269	-1070	719	675	43.15	16.653			
5850	5674	5561	5381	23	29	-63.66	-264	-1078	718	675	43.41	16.545			
5891	5686	5590	5397	24	30	-64.67	-251	-1097	716	672	44.40	16.131			
5900	5688	5600	5402	24	30	-65.00	-246	-1104	716	671	44.64	16.032			
5942	5695	5625	5415	24	30	-65.99	-234	-1122	713	668	45.73	15.596			
5950	5696	5631	5418	25	30	-66.22	-231	-1127	713	667	45.97	15.504			
5992	5700	5661	5431	25	30	-67.42	-216	-1148	710	663	47.22	15.036			
6000	5701	5667	5434	25	31	-67.66	-212	-1153	709	662	47.47	14.943			
6015	5701	5678	5438	25	31	-68.13	-206	-1161	708	660	47.96	14.766			
6018	5701	5680	5439	25	31	-68.22	-205	-1162	708	660	48.06	14.733			
6086	5701	5731	5457	26	31	-69.68	-177	-1201	704	654	50.28	14.001			
6100	5701	5741	5461	27	31	-69.95	-171	-1209	703	653	50.74	13.863			
6181	5702	5807	5476	28	32	-71.21	-131	-1259	701	648	53.49	13.107			
6200	5702	5823	5479	28	32	-71.42	-121	-1271	701	647	54.14	12.943			
6254	5702	5870	5484	29	33	-71.83	-92	-1307	700	644	56.08	12.492			
6300	5702	5910	5485	30	34	-71.93	-66	-1337	701	643	57.50	12.185			
6323	5703	5932	5485	30	34	-71.93	-52	-1354	701	643	58.23	12.036			
6400	5703	6010	5485	32	35	-71.94	-1	-1413	702	641	60.97	11.506			
6423	5703	6032	5486	32	35	-71.95	14	-1430	702	640	61.77	11.360			
6500	5703	6109	5486	34	37	-71.96	64	-1489	702	638	64.60	10.871			
6523	5704	6132	5486	34	37	-71.97	79	-1506	703	637	65.45	10.734			
6600	5704	6209	5486	36	38	-71.98	129	-1565	703	635	68.38	10.282			
6623	5704	6232	5487	36	39	-71.98	144	-1582	703	634	69.26	10.155			
6700	5704	6309	5487	38	40	-72.00	195	-1640	704	632	72.29	9.737			
6723	5705	6332	5487	38	41	-72.00	209	-1657	704	631	73.19	9.620			
6800	5705	6409	5487	40	42	-72.01	260	-1716	705	628	76.30	9.236			
6823	5705	6432	5487	40	42	-72.02	275	-1733	705	628	77.23	9.128			
6900	5705	6509	5488	42	44	-72.03	325	-1792	706	625	80.41	8.775			
6923	5706	6532	5488	43	44	-72.04	340	-1809	706	624	81.35	8.675			
7000	5706	6609	5488	44	46	-72.05	390	-1868	706	622	84.59	8.350			
7023	5706	6632	5488	45	46	-72.05	405	-1885	707	621	85.55	8.259			
7100	5706	6709	5489	47	48	-72.07	456	-1943	707	618	88.84	7.960			

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1													Offset Site Error: 0 ft	
Survey Program: 0-MWD+IGRF		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0 ft	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
7123	5707	6732	5489	47	48	-72.07	470	-1961	707	618	89.81	7.876		
7200	5707	6809	5489	49	50	-72.08	521	-2019	708	615	93.15	7.601		
7223	5707	6832	5489	49	51	-72.09	536	-2036	708	614	94.13	7.523		
7300	5707	6909	5490	51	52	-72.10	586	-2095	709	611	97.50	7.269		
7323	5708	6932	5490	52	53	-72.10	601	-2112	709	610	98.49	7.198		
7400	5708	7009	5490	53	54	-72.12	651	-2171	710	608	101.90	6.963		
7423	5708	7032	5490	54	55	-72.12	666	-2188	710	607	102.90	6.897		
7500	5708	7109	5491	56	57	-72.13	717	-2247	710	604	106.34	6.680		
7523	5709	7132	5491	56	57	-72.14	731	-2264	711	603	107.35	6.619		
7600	5709	7209	5491	58	59	-72.15	782	-2322	711	600	110.82	6.418		
7623	5709	7232	5491	59	59	-72.16	797	-2339	711	600	111.83	6.361		
7700	5710	7309	5491	60	61	-72.17	847	-2398	712	597	115.32	6.174		
7723	5710	7332	5492	61	62	-72.17	862	-2415	712	596	116.34	6.121		
7800	5710	7409	5492	63	63	-72.19	912	-2474	713	593	119.85	5.947		
7823	5710	7432	5492	63	64	-72.19	927	-2491	713	592	120.88	5.898		
7900	5711	7509	5492	65	66	-72.20	978	-2550	714	589	124.41	5.736		
7923	5711	7532	5492	66	66	-72.21	992	-2567	714	588	125.44	5.690		
8000	5711	7609	5493	68	68	-72.22	1043	-2625	714	585	128.98	5.539		
8023	5711	7632	5493	68	68	-72.22	1058	-2643	715	585	130.02	5.496		
8100	5712	7709	5493	70	70	-72.24	1108	-2701	715	582	133.58	5.354		
8123	5712	7732	5493	71	71	-72.24	1123	-2718	715	581	134.62	5.314		
8200	5712	7809	5494	72	73	-72.25	1173	-2777	716	578	138.20	5.181		
8223	5712	7832	5494	73	73	-72.26	1188	-2794	716	577	139.24	5.144		
8300	5713	7909	5494	75	75	-72.27	1239	-2853	717	574	142.82	5.019		
8323	5713	7932	5494	75	75	-72.27	1253	-2870	717	573	143.87	4.984		
8400	5713	8009	5495	77	77	-72.29	1304	-2929	718	570	147.47	4.867		
8423	5713	8032	5495	78	78	-72.29	1319	-2946	718	569	148.52	4.833		
8500	5714	8109	5495	80	80	-72.30	1369	-3004	718	566	152.13	4.723		
8523	5714	8132	5495	80	80	-72.31	1384	-3021	719	565	153.18	4.692		
8600	5714	8209	5496	82	82	-72.32	1434	-3080	719	562	156.80	4.587		
8623	5714	8232	5496	83	83	-72.32	1449	-3097	719	562	157.85	4.558		
8700	5715	8309	5496	85	84	-72.34	1500	-3156	720	559	161.48	4.459		
8723	5715	8332	5496	85	85	-72.34	1514	-3173	720	558	162.54	4.432		
8800	5715	8409	5497	87	87	-72.35	1565	-3232	721	555	166.17	4.338		
8823	5715	8432	5497	88	87	-72.36	1580	-3249	721	554	167.23	4.312		
8900	5716	8509	5497	90	89	-72.37	1630	-3307	722	551	170.87	4.224		
8923	5716	8532	5497	90	90	-72.37	1645	-3325	722	550	171.93	4.199		
9000	5716	8609	5497	92	92	-72.39	1695	-3383	723	547	175.58	4.115		
9023	5716	8632	5498	93	92	-72.39	1710	-3400	723	546	176.64	4.091		
9100	5717	8709	5498	94	94	-72.40	1761	-3459	723	543	180.30	4.012		
9123	5717	8732	5498	95	95	-72.41	1775	-3476	724	542	181.36	3.989		
9200	5717	8809	5498	97	97	-72.42	1826	-3535	724	539	185.02	3.914		
9223	5717	8832	5498	97	97	-72.42	1841	-3552	724	538	186.09	3.892		
9300	5718	8909	5499	99	99	-72.44	1891	-3611	725	535	189.76	3.820		
9323	5718	8932	5499	100	100	-72.44	1906	-3628	725	534	190.82	3.800		
9400	5718	9009	5499	102	101	-72.45	1956	-3686	726	531	194.49	3.731		
9423	5718	9032	5499	102	102	-72.46	1971	-3703	726	530	195.56	3.712		
9500	5719	9109	5500	104	104	-72.47	2022	-3762	727	527	199.24	3.647		
9523	5719	9132	5500	105	104	-72.47	2036	-3779	727	526	200.31	3.628		
9600	5719	9209	5500	107	106	-72.49	2087	-3838	727	523	203.99	3.566		
9623	5719	9232	5500	107	107	-72.49	2101	-3855	728	522	205.06	3.548		
9700	5720	9309	5501	109	109	-72.50	2152	-3914	728	519	208.75	3.488		

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF													Offset Well Error:	0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference	Offset	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
9723	5720	9332	5501	110	109	-72.51	2167	-3931	728	519	209.82	3.471		
9800	5720	9409	5501	112	111	-72.52	2217	-3989	729	515	213.51	3.414		
9823	5720	9432	5501	112	112	-72.52	2232	-4007	729	515	214.58	3.398		
9900	5721	9509	5502	114	114	-72.53	2283	-4065	730	512	218.28	3.343		
9923	5721	9532	5502	115	114	-72.54	2297	-4082	730	511	219.35	3.328		
10,000	5721	9609	5502	117	116	-72.55	2348	-4141	731	508	223.05	3.276		
10,023	5721	9632	5502	117	117	-72.55	2362	-4158	731	507	224.12	3.261		
10,100	5722	9709	5503	119	119	-72.57	2413	-4217	731	504	227.82	3.210		
10,123	5722	9732	5503	120	119	-72.57	2428	-4234	732	503	228.90	3.196		
10,200	5722	9809	5503	122	121	-72.58	2478	-4293	732	500	232.60	3.148		
10,223	5722	9832	5503	122	122	-72.59	2493	-4310	732	499	233.68	3.134		
10,300	5723	9909	5503	124	124	-72.60	2543	-4368	733	496	237.39	3.088		
10,323	5723	9932	5504	125	124	-72.60	2558	-4385	733	495	238.47	3.075		
10,400	5723	10,009	5504	127	126	-72.62	2609	-4444	734	492	242.17	3.030		
10,423	5723	10,032	5504	127	127	-72.62	2623	-4461	734	491	243.25	3.018		
10,500	5724	10,109	5504	129	129	-72.63	2674	-4520	735	488	246.97	2.975		
10,523	5724	10,132	5504	130	129	-72.63	2689	-4537	735	487	248.05	2.963		
10,600	5724	10,209	5505	132	131	-72.65	2739	-4596	735	484	251.76	2.921		
10,623	5724	10,232	5505	132	132	-72.65	2754	-4613	736	483	252.84	2.910		
10,700	5725	10,309	5505	134	133	-72.66	2804	-4671	736	480	256.56	2.870		
10,723	5725	10,332	5505	135	134	-72.67	2819	-4689	736	479	257.64	2.858		
10,800	5725	10,409	5506	137	136	-72.68	2870	-4747	737	476	261.36	2.820		
10,823	5725	10,432	5506	137	136	-72.68	2884	-4764	737	475	262.44	2.809		
10,900	5726	10,509	5506	139	138	-72.69	2935	-4823	738	472	266.16	2.772		
10,923	5726	10,532	5506	140	139	-72.70	2950	-4840	738	471	267.24	2.762		
11,000	5726	10,609	5507	142	141	-72.71	3000	-4899	739	468	270.97	2.726		
11,023	5726	10,632	5507	142	141	-72.71	3015	-4916	739	467	272.05	2.716		
11,100	5727	10,709	5507	144	143	-72.73	3065	-4975	740	464	275.78	2.682		
11,123	5727	10,732	5507	145	144	-72.73	3080	-4992	740	463	276.86	2.672		
11,200	5727	10,809	5508	147	146	-72.74	3131	-5050	740	460	280.59	2.638		
11,223	5727	10,832	5508	147	146	-72.75	3145	-5067	741	459	281.67	2.629		
11,300	5728	10,909	5508	149	148	-72.76	3196	-5126	741	456	285.40	2.597		
11,323	5728	10,932	5508	150	149	-72.76	3211	-5143	741	455	286.49	2.588		
11,400	5728	11,009	5509	152	151	-72.77	3261	-5202	742	452	290.22	2.557		
11,423	5728	11,032	5509	152	151	-72.78	3276	-5219	742	451	291.31	2.548		
11,500	5729	11,109	5509	154	153	-72.79	3326	-5278	743	448	295.04	2.517		
11,523	5729	11,132	5509	155	154	-72.79	3341	-5295	743	447	296.12	2.509		
11,600	5729	11,209	5509	157	156	-72.81	3392	-5353	744	444	299.86	2.480		
11,623	5729	11,232	5510	157	156	-72.81	3406	-5371	744	443	300.95	2.471		
11,700	5730	11,309	5510	159	158	-72.82	3457	-5429	744	440	304.68	2.443		
11,723	5730	11,332	5510	160	159	-72.82	3472	-5446	745	439	305.77	2.435		
11,800	5730	11,409	5510	162	161	-72.84	3522	-5505	745	436	309.51	2.408		
11,823	5730	11,432	5510	162	161	-72.84	3537	-5522	745	435	310.60	2.400		
11,900	5731	11,509	5511	164	163	-72.85	3587	-5581	746	432	314.34	2.373		
11,923	5731	11,532	5511	165	164	-72.86	3602	-5598	746	431	315.42	2.366		
12,000	5731	11,609	5511	167	166	-72.87	3653	-5657	747	428	319.17	2.340		
12,023	5731	11,632	5511	167	166	-72.87	3667	-5674	747	427	320.25	2.333		
12,100	5732	11,709	5512	169	168	-72.88	3718	-5732	748	424	324.00	2.307		
12,123	5732	11,732	5512	170	169	-72.89	3733	-5749	748	423	325.09	2.300		
12,200	5732	11,809	5512	172	171	-72.90	3783	-5808	748	420	328.83	2.276		
12,223	5732	11,832	5512	172	171	-72.90	3798	-5825	749	419	329.92	2.269		
12,300	5733	11,909	5513	174	173	-72.91	3848	-5884	749	416	333.67	2.245		

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	Minimum	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	
12,323	5733	11,932	5513	175	174	-72.92	3863	-5901	749	415	334.76	2.239
12,400	5733	12,009	5513	177	176	-72.93	3914	-5960	750	412	338.50	2.216
12,423	5733	12,032	5513	177	176	-72.93	3928	-5977	750	411	339.59	2.209
12,500	5734	12,109	5514	179	178	-72.94	3979	-6035	751	408	343.34	2.187
12,523	5734	12,132	5514	180	179	-72.95	3994	-6053	751	407	344.43	2.181
12,600	5734	12,209	5514	182	181	-72.96	4044	-6111	752	403	348.18	2.159
12,623	5734	12,232	5514	182	181	-72.96	4059	-6128	752	403	349.27	2.153
12,700	5735	12,309	5515	184	183	-72.97	4109	-6187	752	399	353.02	2.132
12,723	5735	12,332	5515	185	184	-72.98	4124	-6204	753	399	354.11	2.126
12,800	5735	12,409	5515	187	186	-72.99	4175	-6263	753	395	357.87	2.105
12,823	5735	12,432	5515	187	186	-72.99	4189	-6280	753	395	358.96	2.099
12,900	5736	12,509	5515	189	188	-73.01	4240	-6339	754	391	362.71	2.079
12,923	5736	12,532	5516	190	189	-73.01	4254	-6356	754	390	363.80	2.073
13,000	5736	12,609	5516	192	191	-73.02	4305	-6414	755	387	367.56	2.054
13,023	5736	12,632	5516	192	191	-73.02	4320	-6431	755	386	368.65	2.048
13,100	5737	12,709	5516	194	193	-73.04	4370	-6490	756	383	372.40	2.029
13,123	5737	12,732	5516	195	194	-73.04	4385	-6507	756	382	373.50	2.024
13,200	5737	12,809	5517	197	196	-73.05	4436	-6566	757	379	377.25	2.005
13,223	5738	12,832	5517	197	196	-73.05	4450	-6583	757	378	378.35	2.000
13,300	5738	12,909	5517	199	198	-73.07	4501	-6642	757	375	382.10	1.982
13,323	5738	12,932	5517	200	199	-73.07	4515	-6659	758	374	383.20	1.977
13,400	5738	13,009	5518	202	201	-73.08	4566	-6717	758	371	386.96	1.959
13,423	5739	13,032	5518	202	201	-73.08	4581	-6735	758	370	388.05	1.954
13,500	5739	13,109	5518	204	203	-73.10	4631	-6793	759	367	391.81	1.937
13,523	5739	13,132	5518	205	204	-73.10	4646	-6810	759	366	392.90	1.932
13,600	5739	13,209	5519	207	206	-73.11	4697	-6869	760	363	396.66	1.915
13,623	5740	13,232	5519	207	206	-73.11	4711	-6886	760	362	397.76	1.911
13,700	5740	13,309	5519	209	208	-73.13	4762	-6945	761	359	401.52	1.894
13,723	5740	13,332	5519	210	209	-73.13	4776	-6962	761	358	402.61	1.890
13,800	5740	13,409	5520	212	211	-73.14	4827	-7021	761	355	406.38	1.874
13,823	5741	13,432	5520	212	211	-73.14	4842	-7038	762	354	407.47	1.869
13,900	5741	13,509	5520	214	213	-73.16	4892	-7096	762	351	411.23	1.853
13,923	5741	13,532	5520	215	214	-73.16	4907	-7113	762	350	412.33	1.849
14,000	5741	13,609	5521	217	216	-73.17	4957	-7172	763	347	416.09	1.834
14,023	5742	13,632	5521	217	216	-73.17	4972	-7189	763	346	417.19	1.829
14,100	5742	13,709	5521	219	218	-73.19	5023	-7248	764	343	420.95	1.815
14,123	5742	13,732	5521	220	219	-73.19	5037	-7265	764	342	422.05	1.810
14,200	5742	13,809	5521	222	221	-73.20	5088	-7324	765	339	425.82	1.796
14,223	5743	13,832	5522	222	221	-73.20	5103	-7341	765	338	426.91	1.792
14,300	5743	13,909	5522	224	223	-73.21	5153	-7399	765	335	430.68	1.777
14,323	5743	13,932	5522	225	224	-73.22	5168	-7417	766	334	431.77	1.773
14,400	5743	14,009	5522	227	226	-73.23	5218	-7475	766	331	435.54	1.759
14,423	5744	14,032	5522	227	227	-73.23	5233	-7492	766	330	436.64	1.755
14,500	5744	14,109	5523	229	228	-73.24	5284	-7551	767	327	440.41	1.742
14,523	5744	14,132	5523	230	229	-73.25	5298	-7568	767	326	441.50	1.738
14,600	5744	14,209	5523	232	231	-73.26	5349	-7627	768	323	445.27	1.725
14,623	5745	14,232	5523	232	232	-73.26	5364	-7644	768	322	446.37	1.721
14,700	5745	14,309	5524	234	233	-73.27	5414	-7703	769	319	450.14	1.708
14,723	5745	14,332	5524	235	234	-73.28	5429	-7720	769	318	451.24	1.704
14,800	5745	14,409	5524	237	236	-73.29	5479	-7778	770	315	455.01	1.691
14,823	5746	14,432	5524	237	237	-73.29	5494	-7795	770	314	456.10	1.688
14,900	5746	14,509	5525	239	239	-73.30	5545	-7854	770	310	459.88	1.675

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



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 543H - Original Drilling - APD Rev 1												Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF												Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Distance		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,923	5746	14,532	5525	240	239	-73.31	5559	-7871	771	310	460.97	1.672	
15,000	5747	14,609	5525	242	241	-73.32	5610	-7930	771	306	464.75	1.659	
15,023	5747	14,632	5525	242	242	-73.32	5625	-7947	771	305	465.84	1.656	
15,100	5747	14,709	5526	244	244	-73.33	5675	-8006	772	302	469.62	1.644	
15,123	5747	14,732	5526	245	244	-73.33	5690	-8023	772	301	470.72	1.640	
15,200	5748	14,809	5526	247	246	-73.35	5740	-8081	773	298	474.49	1.629	
15,216	5748	14,826	5526	247	246	-73.35	5751	-8094	773	298	475.29	1.626	
15,274	5748	14,883	5526	249	248	-73.36	5789	-8138	774	296	478.11	1.618 SF	

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 544H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0	0	0	0	0	0	-56.14	11	-17	20					
100	100	100	100	0	0	-56.14	11	-17	20	20	0.46	43.796		
200	200	200	200	1	1	-56.14	11	-17	20	19	1.18	17.172		
300	300	300	300	1	1	-56.14	11	-17	20	18	1.90	10.680		
350	350	350	350	1	1	-56.14	11	-17	20	18	2.25	8.982		
400	400	400	400	1	1	53.71	12	-17	20	18	2.61	7.762		
406	406	406	406	1	1	54.22	12	-17	20	18	2.65	7.638 CC, ES		
500	500	499	499	2	2	69.21	15	-17	21	18	3.31	6.337		
518	518	517	517	2	2	73.25	16	-17	21	18	3.43	6.241		
600	600	598	598	2	2	90.90	22	-17	26	22	4.02	6.514		
700	700	696	695	2	2	104.58	32	-17	37	33	4.73	7.878		
800	799	795	793	3	3	111.71	44	-17	52	46	5.44	9.477		
900	899	893	891	3	3	115.71	57	-16	66	60	6.16	10.772		
1000	999	992	989	4	4	118.25	69	-16	81	74	6.88	11.820		
1100	1099	1091	1087	4	4	120.00	82	-16	96	89	7.61	12.680		
1200	1199	1190	1185	4	4	121.27	94	-16	112	103	8.34	13.393		
1300	1299	1289	1283	5	5	122.24	106	-16	127	118	9.06	13.993		
1400	1398	1387	1381	5	5	123.00	119	-16	142	132	9.79	14.506		
1500	1498	1486	1479	5	6	123.61	131	-16	157	147	10.53	14.947		
1600	1598	1585	1577	6	6	124.12	143	-16	173	161	11.26	15.332		
1700	1698	1684	1675	6	6	124.54	156	-16	188	176	11.99	15.669		
1800	1798	1783	1773	7	7	124.90	168	-16	203	190	12.72	15.968		
1900	1898	1882	1871	7	7	125.21	180	-16	218	205	13.46	16.233		
2000	1997	1980	1969	7	8	125.48	193	-16	234	220	14.19	16.472		
2100	2097	2079	2068	8	8	125.71	205	-15	249	234	14.93	16.686		
2200	2197	2178	2166	8	8	125.92	217	-15	264	249	15.66	16.881		
2300	2297	2277	2264	8	9	126.11	230	-15	280	263	16.40	17.058		
2400	2397	2376	2362	9	9	126.27	242	-15	295	278	17.13	17.220		
2500	2497	2474	2460	9	10	126.42	254	-15	310	292	17.87	17.368		
2600	2596	2573	2558	10	10	126.56	267	-15	326	307	18.61	17.504		
2700	2696	2672	2656	10	11	126.68	279	-15	341	322	19.34	17.630		
2800	2796	2771	2754	10	11	126.80	291	-15	356	336	20.08	17.747		
2900	2896	2870	2852	11	11	126.90	304	-15	372	351	20.81	17.856		
3000	2996	2969	2950	11	12	126.99	316	-15	387	365	21.55	17.956		
3100	3095	3067	3048	11	12	127.08	329	-15	402	380	22.29	18.051		
3200	3195	3166	3146	12	13	127.16	341	-14	418	395	23.02	18.139		
3300	3295	3265	3244	12	13	127.24	353	-14	433	409	23.76	18.222		
3400	3395	3364	3342	13	13	127.31	366	-14	448	424	24.50	18.299		
3500	3495	3463	3440	13	14	127.38	378	-14	464	438	25.23	18.372		
3600	3595	3561	3538	13	14	127.44	390	-14	479	453	25.97	18.441		
3700	3694	3660	3636	14	15	127.50	403	-14	494	468	26.71	18.506		
3800	3794	3759	3734	14	15	127.55	415	-14	510	482	27.45	18.568		
3900	3894	3858	3832	14	16	127.60	427	-14	525	497	28.18	18.626		
4000	3994	3957	3930	15	16	127.65	440	-14	540	511	28.92	18.681		
4100	4094	4056	4028	15	16	127.70	452	-14	556	526	29.66	18.734		
4200	4194	4154	4126	16	17	127.74	464	-14	571	541	30.40	18.784		
4300	4293	4253	4224	16	17	127.78	477	-13	586	555	31.13	18.831		
4400	4393	4352	4322	16	18	127.82	489	-13	602	570	31.87	18.877		
4500	4493	4451	4421	17	18	127.86	501	-13	617	584	32.61	18.920		
4600	4593	4550	4519	17	18	127.89	514	-13	632	599	33.35	18.961		
4700	4693	4648	4617	17	19	127.92	526	-13	648	614	34.08	19.001		
4800	4793	4747	4715	18	19	127.96	538	-13	663	628	34.82	19.039		

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 544H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
4900	4892	4846	4813	18	20	127.99	551	-13	678	643	35.56	19.075
5000	4992	4945	4911	19	20	128.02	563	-13	694	657	36.30	19.110
5100	5092	5042	5007	19	21	128.04	575	-13	709	672	37.02	19.149
5180	5172	5100	5064	19	21	127.83	585	-15	723	685	37.45	19.300
5200	5192	5110	5074	19	21	105.65	587	-16	726	689	37.52	19.362
5250	5241	5150	5113	19	21	84.97	596	-21	735	698	37.82	19.443
5300	5290	5176	5138	20	21	77.85	603	-25	744	706	38.00	19.569
5350	5338	5209	5168	20	21	74.14	612	-32	751	713	38.25	19.636
5400	5384	5250	5205	20	22	71.85	626	-42	758	719	38.62	19.623
5450	5429	5275	5227	20	22	70.29	636	-50	764	725	38.82	19.674
5500	5471	5300	5249	21	22	69.18	645	-58	769	730	39.03	19.699
5550	5510	5341	5283	21	22	68.54	663	-73	773	733	39.53	19.553
5600	5547	5374	5309	21	23	68.14	678	-87	776	736	39.98	19.419
5650	5580	5400	5328	21	23	67.88	691	-98	779	738	40.36	19.293
5700	5609	5441	5357	22	23	68.03	712	-118	780	739	41.09	18.986
5710	5615	5450	5363	22	23	68.09	716	-122	780	739	41.26	18.914
5750	5635	5475	5380	22	23	68.28	730	-135	781	739	41.79	18.682
5790	5653	5500	5395	23	24	68.59	744	-149	781	738	42.39	18.417
5800	5657	5509	5401	23	24	68.73	749	-154	780	738	42.60	18.323
5841	5671	5537	5417	23	24	69.22	765	-170	780	736	43.34	17.989
5850	5674	5550	5424	23	24	69.47	773	-178	779	736	43.63	17.867
5891	5686	5572	5435	24	24	69.99	786	-192	778	734	44.37	17.534
5900	5688	5578	5438	24	24	70.14	790	-195	778	733	44.56	17.450
5942	5695	5607	5451	24	25	70.93	808	-214	775	730	45.52	17.036
5950	5696	5613	5454	25	25	71.10	812	-218	775	729	45.72	16.953
5992	5700	5643	5466	25	25	72.03	831	-238	772	726	46.78	16.510
6000	5701	5650	5468	25	25	72.25	835	-243	772	725	47.00	16.421
6016	5701	5660	5472	25	25	72.60	841	-249	771	723	47.40	16.260
6018	5701	5662	5472	25	25	72.67	843	-250	771	723	47.48	16.230
6087	5701	5712	5488	26	26	73.78	876	-286	766	717	49.39	15.517
6100	5701	5722	5490	27	26	73.95	882	-293	766	716	49.76	15.388
6181	5702	5786	5502	28	27	74.79	924	-339	763	711	52.17	14.631
6200	5702	5800	5503	28	27	74.90	933	-350	763	710	52.70	14.476
6262	5702	5852	5506	29	28	75.09	968	-388	762	708	54.59	13.967
6300	5702	5890	5506	30	29	75.09	993	-417	763	707	55.86	13.651
6323	5703	5913	5506	30	29	75.09	1008	-434	763	706	56.65	13.460
6400	5703	5990	5507	32	30	75.09	1059	-492	763	703	59.33	12.852
6423	5703	6013	5507	32	31	75.09	1074	-509	763	702	60.17	12.673
6500	5703	6090	5507	34	32	75.09	1124	-567	763	700	63.00	12.106
6523	5704	6113	5507	34	33	75.10	1140	-585	763	699	63.88	11.939
6600	5704	6190	5508	36	34	75.10	1190	-642	763	696	66.82	11.414
6623	5704	6213	5508	36	34	75.10	1206	-660	763	695	67.74	11.260
6700	5704	6290	5508	38	36	75.10	1256	-717	763	692	70.78	10.777
6723	5705	6313	5508	38	36	75.10	1272	-735	763	691	71.72	10.636
6800	5705	6390	5509	40	38	75.11	1322	-793	763	688	74.85	10.192
6823	5705	6413	5509	40	38	75.11	1338	-810	763	687	75.81	10.063
6900	5705	6490	5509	42	40	75.11	1388	-868	763	684	79.01	9.656
6923	5706	6513	5510	43	40	75.11	1404	-885	763	683	79.99	9.538
7000	5706	6590	5510	44	42	75.11	1454	-943	763	680	83.26	9.165
7023	5706	6613	5510	45	43	75.11	1469	-960	763	679	84.25	9.056
7100	5706	6690	5510	47	44	75.12	1520	-1018	763	676	87.57	8.714
7123	5707	6713	5511	47	45	75.12	1535	-1036	763	675	88.58	8.615

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 544H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft	
Survey Program:		0-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0 ft
Measured Depth	Reference Vertical	Measured Depth	Offset Vertical	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Distance Between Ellipses	Minimum Separation	Separation Factor	Warning		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
7200	5707	6790	5511	49	46	75.12	1586	-1093	763	671	91.94	8.301			
7223	5707	6813	5511	49	47	75.12	1601	-1111	763	670	92.96	8.209			
7300	5707	6890	5512	51	49	75.12	1652	-1169	763	667	96.36	7.920			
7323	5708	6913	5512	52	49	75.12	1667	-1186	763	666	97.40	7.836			
7400	5708	6990	5512	53	51	75.13	1718	-1244	763	662	100.83	7.570			
7423	5708	7013	5512	54	51	75.13	1733	-1261	763	661	101.87	7.493			
7500	5708	7090	5513	56	53	75.13	1784	-1319	763	658	105.33	7.247			
7523	5709	7113	5513	56	54	75.13	1799	-1336	763	657	106.39	7.175			
7600	5709	7190	5513	58	56	75.13	1850	-1394	763	654	109.87	6.948			
7623	5709	7213	5513	59	56	75.14	1865	-1412	763	653	110.93	6.882			
7700	5710	7290	5514	60	58	75.14	1916	-1469	763	649	114.44	6.672			
7723	5710	7313	5514	61	58	75.14	1931	-1487	764	648	115.51	6.610			
7800	5710	7390	5514	63	60	75.14	1982	-1544	764	645	119.04	6.415			
7823	5710	7413	5514	63	61	75.14	1997	-1562	764	643	120.11	6.357			
7900	5711	7490	5515	65	63	75.15	2048	-1620	764	640	123.66	6.176			
7923	5711	7513	5515	66	63	75.15	2063	-1637	764	639	124.73	6.122			
8000	5711	7590	5515	68	65	75.15	2113	-1695	764	635	128.30	5.953			
8023	5711	7613	5515	68	65	75.15	2129	-1712	764	634	129.38	5.903			
8100	5712	7690	5516	70	67	75.15	2179	-1770	764	631	132.95	5.745			
8123	5712	7713	5516	71	68	75.15	2195	-1787	764	630	134.04	5.698			
8200	5712	7790	5516	72	70	75.16	2245	-1845	764	626	137.63	5.550			
8223	5712	7813	5516	73	70	75.16	2261	-1863	764	625	138.72	5.507			
8300	5713	7890	5517	75	72	75.16	2311	-1920	764	622	142.32	5.368			
8323	5713	7913	5517	75	73	75.16	2327	-1938	764	621	143.41	5.327			
8400	5713	7990	5517	77	75	75.16	2377	-1996	764	617	147.03	5.196			
8423	5713	8013	5518	78	75	75.16	2393	-2013	764	616	148.12	5.158			
8500	5714	8090	5518	80	77	75.17	2443	-2071	764	612	151.74	5.035			
8523	5714	8113	5518	80	77	75.17	2458	-2088	764	611	152.84	4.999			
8600	5714	8190	5519	82	79	75.17	2509	-2146	764	608	156.47	4.883			
8623	5714	8213	5519	83	80	75.17	2524	-2163	764	607	157.57	4.849			
8700	5715	8290	5519	85	82	75.17	2575	-2221	764	603	161.21	4.740			
8723	5715	8313	5519	85	82	75.18	2590	-2239	764	602	162.31	4.708			
8800	5715	8390	5520	87	84	75.18	2641	-2296	764	598	165.96	4.605			
8823	5715	8413	5520	88	85	75.18	2656	-2314	764	597	167.07	4.575			
8900	5716	8490	5520	90	87	75.18	2707	-2371	764	594	170.72	4.477			
8923	5716	8513	5520	90	87	75.18	2722	-2389	764	593	171.83	4.448			
9000	5716	8590	5521	92	89	75.19	2773	-2447	764	589	175.48	4.356			
9023	5716	8613	5521	93	90	75.19	2788	-2464	764	588	176.59	4.329			
9100	5717	8690	5521	94	92	75.19	2839	-2522	764	584	180.26	4.241			
9123	5717	8713	5521	95	92	75.19	2854	-2539	765	583	181.37	4.215			
9200	5717	8790	5522	97	94	75.19	2905	-2597	765	580	185.04	4.132			
9223	5717	8813	5522	97	95	75.19	2920	-2614	765	578	186.15	4.107			
9300	5718	8890	5522	99	96	75.20	2971	-2672	765	575	189.82	4.028			
9323	5718	8913	5522	100	97	75.20	2986	-2690	765	574	190.94	4.005			
9400	5718	8990	5523	102	99	75.20	3037	-2747	765	570	194.62	3.929			
9423	5718	9013	5523	102	99	75.20	3052	-2765	765	569	195.73	3.907			
9500	5719	9090	5523	104	101	75.20	3103	-2823	765	565	199.41	3.835			
9523	5719	9113	5523	105	102	75.20	3118	-2840	765	564	200.53	3.814			
9600	5719	9190	5524	107	104	75.21	3168	-2898	765	561	204.22	3.745			
9623	5719	9213	5524	107	104	75.21	3184	-2915	765	560	205.33	3.725			
9700	5720	9290	5524	109	106	75.21	3234	-2973	765	556	209.02	3.659			
9723	5720	9313	5525	110	107	75.21	3250	-2990	765	555	210.14	3.640			

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 544H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
9800	5720	9390	5525	112	109	75.21	3300	-3048	765	551	213.84	3.577
9823	5720	9413	5525	112	109	75.21	3316	-3066	765	550	214.95	3.559
9900	5721	9490	5525	114	111	75.22	3366	-3123	765	546	218.65	3.499
9923	5721	9513	5526	115	112	75.22	3382	-3141	765	545	219.77	3.481
10,000	5721	9590	5526	117	114	75.22	3432	-3198	765	542	223.47	3.424
10,023	5721	9613	5526	117	114	75.22	3448	-3216	765	541	224.59	3.407
10,100	5722	9690	5527	119	116	75.22	3498	-3274	765	537	228.30	3.352
10,123	5722	9713	5527	120	117	75.23	3513	-3291	765	536	229.42	3.335
10,200	5722	9790	5527	122	119	75.23	3564	-3349	765	532	233.12	3.283
10,223	5722	9813	5527	122	119	75.23	3579	-3366	765	531	234.25	3.267
10,300	5723	9890	5528	124	121	75.23	3630	-3424	765	527	237.95	3.216
10,323	5723	9913	5528	125	122	75.23	3645	-3441	765	526	239.08	3.201
10,400	5723	9990	5528	127	124	75.24	3696	-3499	765	523	242.79	3.153
10,423	5723	10,013	5528	127	124	75.24	3711	-3517	765	522	243.91	3.138
10,500	5724	10,090	5529	129	126	75.24	3762	-3574	765	518	247.62	3.091
10,523	5724	10,113	5529	130	127	75.24	3777	-3592	765	517	248.75	3.077
10,600	5724	10,190	5529	132	129	75.24	3828	-3650	766	513	252.46	3.032
10,623	5724	10,213	5529	132	129	75.24	3843	-3667	766	512	253.59	3.019
10,700	5725	10,290	5530	134	131	75.25	3894	-3725	766	508	257.30	2.976
10,723	5725	10,313	5530	135	132	75.25	3909	-3742	766	507	258.43	2.963
10,800	5725	10,390	5530	137	134	75.25	3960	-3800	766	504	262.15	2.921
10,823	5725	10,413	5530	137	134	75.25	3975	-3817	766	502	263.27	2.908
10,900	5726	10,490	5531	139	136	75.25	4026	-3875	766	499	266.99	2.868
10,923	5726	10,513	5531	140	137	75.25	4041	-3893	766	498	268.12	2.856
11,000	5726	10,590	5531	142	139	75.26	4092	-3950	766	494	271.84	2.817
11,023	5726	10,613	5531	142	139	75.26	4107	-3968	766	493	272.97	2.806
11,100	5727	10,690	5532	144	141	75.26	4157	-4025	766	489	276.69	2.768
11,123	5727	10,713	5532	145	142	75.26	4173	-4043	766	488	277.82	2.757
11,200	5727	10,790	5532	147	144	75.26	4223	-4101	766	484	281.55	2.721
11,223	5727	10,813	5533	147	144	75.27	4239	-4118	766	483	282.68	2.710
11,300	5728	10,890	5533	149	146	75.27	4289	-4176	766	480	286.40	2.675
11,323	5728	10,913	5533	150	147	75.27	4305	-4193	766	479	287.53	2.664
11,400	5728	10,990	5533	152	149	75.27	4355	-4251	766	475	291.26	2.630
11,423	5728	11,013	5534	152	149	75.27	4371	-4268	766	474	292.39	2.620
11,500	5729	11,090	5534	154	151	75.28	4421	-4326	766	470	296.12	2.587
11,523	5729	11,113	5534	155	152	75.28	4437	-4344	766	469	297.25	2.578
11,600	5729	11,190	5535	157	154	75.28	4487	-4401	766	465	300.98	2.546
11,623	5729	11,213	5535	157	154	75.28	4502	-4419	766	464	302.11	2.536
11,700	5730	11,290	5535	159	156	75.28	4553	-4477	766	460	305.84	2.506
11,723	5730	11,313	5535	160	157	75.28	4568	-4494	766	459	306.97	2.496
11,800	5730	11,390	5536	162	159	75.29	4619	-4552	766	456	310.70	2.467
11,823	5730	11,413	5536	162	159	75.29	4634	-4569	766	455	311.83	2.458
11,900	5731	11,490	5536	164	161	75.29	4685	-4627	766	451	315.57	2.429
11,923	5731	11,513	5536	165	162	75.29	4700	-4644	766	450	316.70	2.420
12,000	5731	11,590	5537	167	164	75.29	4751	-4702	767	446	320.43	2.392
12,023	5731	11,613	5537	167	164	75.29	4766	-4720	767	445	321.56	2.384
12,100	5732	11,690	5537	169	166	75.30	4817	-4777	767	441	325.30	2.357
12,123	5732	11,713	5537	170	167	75.30	4832	-4795	767	440	326.43	2.349
12,200	5732	11,790	5538	172	169	75.30	4883	-4852	767	437	330.17	2.322
12,223	5732	11,813	5538	172	169	75.30	4898	-4870	767	435	331.30	2.314
12,300	5733	11,890	5538	174	171	75.30	4949	-4928	767	432	335.04	2.289
12,323	5733	11,913	5538	175	172	75.30	4964	-4945	767	431	336.17	2.281

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - # 544H - Original Drilling - APD Rev 1													Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,400	5733	11,990	5539	177	174	75.31	5015	-5003	767	427	339.91	2.256		
12,423	5733	12,013	5539	177	174	75.31	5030	-5020	767	426	341.04	2.249		
12,500	5734	12,090	5539	179	176	75.31	5081	-5078	767	422	344.78	2.224		
12,523	5734	12,113	5540	180	177	75.31	5096	-5095	767	421	345.91	2.217		
12,600	5734	12,190	5540	182	179	75.31	5147	-5153	767	417	349.65	2.193		
12,623	5734	12,213	5540	182	179	75.32	5162	-5171	767	416	350.79	2.186		
12,700	5735	12,290	5540	184	181	75.32	5212	-5228	767	413	354.53	2.164		
12,723	5735	12,313	5541	185	182	75.32	5228	-5246	767	411	355.66	2.157		
12,800	5735	12,390	5541	187	184	75.32	5278	-5304	767	408	359.40	2.134		
12,823	5735	12,413	5541	187	184	75.32	5294	-5321	767	407	360.54	2.128		
12,900	5736	12,490	5542	189	186	75.33	5344	-5379	767	403	364.28	2.106		
12,923	5736	12,513	5542	190	187	75.33	5360	-5396	767	402	365.41	2.100		
13,000	5736	12,590	5542	192	189	75.33	5410	-5454	767	398	369.16	2.078		
13,023	5736	12,613	5542	192	189	75.33	5426	-5471	767	397	370.29	2.072		
13,100	5737	12,690	5543	194	191	75.33	5476	-5529	767	393	374.03	2.051		
13,123	5737	12,713	5543	195	192	75.33	5492	-5547	767	392	375.17	2.045		
13,200	5737	12,790	5543	197	194	75.34	5542	-5604	767	388	378.91	2.025		
13,223	5738	12,813	5543	197	194	75.34	5557	-5622	767	387	380.05	2.019		
13,300	5738	12,890	5544	199	196	75.34	5608	-5679	767	384	383.79	2.000		
13,323	5738	12,913	5544	200	197	75.34	5623	-5697	767	383	384.93	1.994		
13,400	5738	12,990	5544	202	199	75.34	5674	-5755	768	379	388.67	1.975		
13,423	5739	13,013	5544	202	199	75.34	5689	-5772	768	378	389.81	1.969		
13,500	5739	13,090	5545	204	201	75.35	5740	-5830	768	374	393.56	1.950		
13,523	5739	13,113	5545	205	202	75.35	5755	-5847	768	373	394.69	1.945		
13,600	5739	13,190	5545	207	204	75.35	5806	-5905	768	369	398.44	1.927		
13,623	5740	13,213	5545	207	204	75.35	5821	-5922	768	368	399.57	1.921		
13,700	5740	13,290	5546	209	206	75.35	5872	-5980	768	364	403.32	1.904		
13,723	5740	13,313	5546	210	207	75.35	5887	-5998	768	363	404.46	1.898		
13,800	5740	13,390	5546	212	209	75.36	5938	-6055	768	360	408.20	1.881		
13,823	5741	13,413	5546	212	209	75.36	5953	-6073	768	358	409.34	1.876		
13,900	5741	13,490	5547	214	211	75.36	6004	-6131	768	355	413.09	1.859		
13,923	5741	13,513	5547	215	212	75.36	6019	-6148	768	354	414.22	1.854		
14,000	5741	13,590	5547	217	214	75.36	6070	-6206	768	350	417.97	1.837		
14,023	5742	13,613	5548	217	214	75.37	6085	-6223	768	349	419.11	1.832		
14,100	5742	13,690	5548	219	216	75.37	6136	-6281	768	345	422.86	1.816		
14,123	5742	13,713	5548	220	217	75.37	6151	-6298	768	344	424.00	1.811		
14,200	5742	13,790	5548	222	219	75.37	6201	-6356	768	340	427.75	1.796		
14,222	5743	13,809	5549	222	219	75.37	6215	-6371	768	339	428.78	1.791		
14,300	5743	13,877	5549	224	221	75.38	6259	-6421	769	336	432.31	1.778 SF		
14,400	5743	13,877	5549	227	221	75.38	6259	-6421	777	346	430.56	1.804		
14,500	5744	13,877	5549	229	221	75.38	6259	-6421	798	375	422.19	1.889		
14,600	5744	13,877	5549	232	221	75.38	6259	-6421	830	421	408.53	2.032		
14,700	5745	13,877	5549	234	221	75.38	6259	-6421	873	481	391.29	2.230		
14,800	5745	13,877	5549	237	221	75.38	6259	-6421	924	552	372.12	2.484		
14,900	5746	13,877	5549	239	221	75.38	6259	-6421	983	631	352.35	2.791		
15,000	5747	13,877	5549	242	221	75.38	6259	-6421	1049	716	332.89	3.150		
15,100	5747	13,877	5549	244	221	75.38	6259	-6421	1119	805	314.33	3.560		
15,200	5748	13,877	5549	247	221	75.38	6259	-6421	1194	897	296.96	4.020		
15,274	5748	13,877	5549	249	221	75.37	6259	-6421	1251	967	284.84	4.393		

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-22 - OH - OH													Offset Site Error:	0 ft
Survey Program: 202-INCLINOMETER													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0	0	0	0	0	0	-56.44	3326	-5012	6017					
100	100	0	0	0	0	-56.44	3326	-5012	6015	6015	0.31	N/A		
162	162	16	16	1	0	-56.44	3326	-5012	6015	6014	1.01	5,970.834		
200	200	54	54	1	2	-56.44	3326	-5012	6015	6013	2.31	2,607.508		
300	300	154	154	1	5	-56.44	3326	-5012	6015	6009	5.70	1,054.891		
350	350	204	204	1	6	-56.44	3326	-5012	6015	6008	7.40	812.848		
400	400	254	254	1	8	51.43	3326	-5012	6015	6006	9.09	661.544		
500	500	354	354	2	11	51.49	3326	-5012	6013	6000	12.47	482.144		
518	518	372	372	2	11	51.51	3326	-5012	6012	5999	13.07	460.009		
600	600	454	454	2	14	51.55	3326	-5012	6009	5993	15.86	378.990		
700	700	563	563	2	17	51.60	3327	-5012	6006	5986	19.53	307.460		
800	799	675	675	3	20	51.65	3326	-5012	6002	5979	23.29	257.705		
900	899	753	753	3	23	51.68	3326	-5012	5998	5972	26.03	230.399		
1000	999	853	853	4	26	51.72	3326	-5012	5994	5965	29.43	203.686		
1100	1099	953	953	4	29	51.77	3326	-5012	5991	5958	32.83	182.494		
1200	1199	1059	1059	4	32	51.82	3326	-5012	5988	5951	36.42	164.406		
1300	1299	1169	1169	5	35	51.86	3326	-5012	5984	5944	40.12	149.149		
1400	1398	1253	1252	5	38	51.90	3326	-5012	5980	5937	43.03	138.983		
1500	1498	1352	1352	5	41	51.94	3326	-5012	5976	5930	46.43	128.727		
1600	1598	1468	1468	6	45	52.00	3326	-5012	5973	5923	50.30	118.750		
1700	1698	1552	1552	6	47	52.03	3326	-5012	5969	5916	53.23	112.140		
1800	1798	1652	1652	7	50	52.07	3326	-5012	5966	5909	56.63	105.342		
1900	1898	1752	1752	7	53	52.12	3326	-5012	5962	5902	60.03	99.314		
2000	1997	1854	1854	7	56	52.17	3327	-5012	5959	5896	63.51	93.834		
2100	2097	1965	1965	8	60	52.22	3327	-5012	5955	5888	67.25	88.557		
2200	2197	2076	2076	8	63	52.27	3326	-5012	5951	5880	70.99	83.834		
2300	2297	2151	2151	8	65	52.30	3326	-5012	5948	5874	73.64	80.762		
2400	2397	2251	2251	9	68	52.34	3326	-5012	5944	5867	77.04	77.150		
2500	2497	2351	2351	9	71	52.38	3326	-5012	5940	5860	80.45	73.843		
2600	2596	2451	2450	10	74	52.43	3326	-5012	5937	5853	83.85	70.805		
2700	2696	2569	2568	10	78	52.50	3328	-5012	5935	5847	87.81	67.590		
2800	2796	2690	2689	10	82	52.55	3327	-5012	5931	5839	91.84	64.578		
2900	2896	2810	2810	11	85	52.59	3325	-5012	5926	5831	95.87	61.816		
3000	2996	2850	2850	11	87	52.61	3326	-5012	5923	5825	97.47	60.765		
3100	3095	2950	2949	11	90	52.65	3326	-5012	5919	5818	100.87	58.680		
3200	3195	3080	3080	12	94	52.72	3326	-5012	5916	5811	105.19	56.241		
3300	3295	3150	3149	12	96	52.74	3326	-5012	5912	5804	107.68	54.904		
3400	3395	3250	3249	13	99	52.79	3326	-5012	5908	5797	111.08	53.191		
3500	3495	3350	3349	13	102	52.83	3326	-5012	5905	5790	114.48	51.579		
3600	3595	3450	3449	13	105	52.89	3327	-5012	5902	5784	117.90	50.061		
3700	3694	3563	3562	14	108	52.94	3327	-5012	5899	5777	121.71	48.464		
3800	3794	3676	3676	14	112	52.99	3326	-5012	5895	5769	125.52	46.963		
3900	3894	3790	3789	14	115	53.03	3325	-5012	5891	5761	129.33	45.548		
4000	3994	3849	3848	15	117	53.06	3326	-5012	5887	5756	131.50	44.769		
4100	4094	3949	3948	15	120	53.11	3326	-5012	5884	5749	134.91	43.613		
4200	4194	4072	4071	16	124	53.18	3327	-5012	5881	5742	139.02	42.304		
4300	4293	4208	4207	16	128	53.22	3326	-5012	5877	5733	143.51	40.952		
4400	4393	4249	4247	16	129	53.24	3326	-5012	5873	5728	145.12	40.470		
4500	4493	4348	4347	17	132	53.29	3326	-5012	5870	5721	148.53	39.520		
4600	4593	4463	4462	17	136	53.35	3327	-5012	5867	5715	152.39	38.501		
4700	4693	4605	4603	17	140	53.41	3326	-5012	5863	5706	157.04	37.335		
4800	4793	4648	4647	18	141	53.43	3326	-5012	5859	5700	158.74	36.910		

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-22 - OH - OH												Offset Site Error:	0 ft
Survey Program: 202-INCLINOMETER												Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
4900	4892	4748	4746	18	144	53.47	3326	-5012	5856	5694	162.15	36.114	
5000	4992	4848	4846	19	147	53.52	3326	-5012	5852	5687	165.55	35.350	
5100	5092	4965	4964	19	151	53.60	3328	-5012	5850	5681	169.49	34.519	
5180	5172	5075	5073	19	154	53.64	3327	-5012	5847	5674	173.09	33.781	
5200	5192	5101	5099	19	155	31.89	3327	-5012	5846	5672	173.97	33.604	
5250	5241	5168	5167	19	157	12.23	3326	-5012	5840	5664	176.19	33.144	
5300	5290	5235	5233	20	159	5.88	3324	-5012	5829	5650	178.38	32.677	
5350	5338	5194	5192	20	158	2.75	3326	-5012	5814	5637	177.35	32.783	
5400	5384	5240	5238	20	159	0.81	3326	-5012	5795	5616	178.93	32.388	
5450	5429	5285	5283	20	160	-0.58	3326	-5012	5772	5592	180.43	31.990	
5500	5471	5327	5325	21	162	-1.73	3326	-5012	5745	5563	181.86	31.591	
5550	5510	5366	5364	21	163	-2.79	3326	-5012	5714	5531	183.19	31.193	
5600	5547	5403	5401	21	164	-3.87	3326	-5012	5680	5496	184.42	30.800	
5650	5580	5436	5434	21	165	-5.07	3326	-5012	5643	5457	185.53	30.414	
5700	5609	5465	5463	22	166	-6.51	3326	-5012	5603	5416	186.52	30.038	
5750	5635	5491	5489	22	167	-8.38	3326	-5012	5560	5372	187.37	29.673	
5800	5657	5513	5511	23	167	-10.98	3326	-5012	5515	5327	188.09	29.321	
5850	5674	5530	5528	23	168	-14.97	3326	-5012	5468	5280	188.66	28.985	
5900	5688	5544	5542	24	168	-21.83	3326	-5012	5420	5231	189.09	28.666	
5950	5696	5552	5550	25	169	-35.81	3326	-5012	5371	5182	189.36	28.365	
6000	5701	5557	5555	25	169	-68.66	3326	-5012	5322	5132	189.49	28.084	
6018	5701	5557	5555	25	169	-87.14	3326	-5012	5303	5114	189.50	27.986	
6100	5701	5557	5555	27	169	-87.18	3326	-5012	5222	5033	189.50	27.558	
6200	5702	5558	5556	28	169	-87.24	3326	-5012	5123	4933	189.50	27.034	
6300	5702	5559	5556	30	169	-87.29	3326	-5012	5023	4834	189.50	26.508	
6400	5703	5559	5557	32	169	-87.35	3326	-5012	4924	4734	189.51	25.982	
6500	5703	5560	5557	34	169	-87.40	3326	-5012	4824	4635	189.52	25.456	
6600	5704	5560	5558	36	169	-87.45	3326	-5012	4725	4536	189.54	24.929	
6700	5704	5561	5558	38	169	-87.51	3326	-5012	4626	4436	189.57	24.401	
6800	5705	5561	5559	40	169	-87.56	3326	-5012	4526	4337	189.61	23.873	
6900	5705	5562	5559	42	169	-87.62	3326	-5012	4427	4238	189.65	23.344	
7000	5706	5562	5560	44	169	-87.67	3326	-5012	4328	4138	189.71	22.814	
7100	5706	5563	5560	47	169	-87.72	3326	-5012	4229	4039	189.77	22.283	
7200	5707	5563	5561	49	169	-87.78	3326	-5012	4130	3940	189.85	21.752	
7300	5707	5564	5561	51	169	-87.83	3326	-5012	4030	3840	189.94	21.220	
7400	5708	5564	5562	53	169	-87.89	3326	-5012	3931	3741	190.04	20.687	
7500	5708	5565	5562	56	169	-87.94	3326	-5012	3832	3642	190.16	20.153	
7600	5709	5565	5563	58	169	-88.00	3326	-5012	3733	3543	190.30	19.618	
7700	5710	5566	5564	60	169	-88.05	3326	-5012	3634	3444	190.46	19.082	
7800	5710	5566	5564	63	169	-88.10	3326	-5012	3535	3345	190.65	18.544	
7900	5711	5567	5565	65	169	-88.16	3326	-5012	3437	3246	190.86	18.006	
8000	5711	5567	5565	68	169	-88.21	3326	-5012	3338	3147	191.10	17.467	
8100	5712	5568	5566	70	169	-88.27	3326	-5012	3239	3048	191.38	16.926	
8200	5712	5568	5566	72	169	-88.32	3326	-5012	3141	2949	191.69	16.384	
8300	5713	5569	5567	75	169	-88.38	3326	-5012	3042	2850	192.05	15.840	
8400	5713	5569	5567	77	169	-88.43	3326	-5012	2944	2751	192.46	15.296	
8500	5714	5570	5568	80	169	-88.48	3326	-5012	2846	2653	192.92	14.750	
8600	5714	5570	5568	82	169	-88.54	3326	-5012	2747	2554	193.45	14.202	
8700	5715	5571	5569	85	169	-88.59	3326	-5012	2649	2455	194.04	13.654	
8800	5715	5571	5569	87	169	-88.65	3326	-5012	2551	2357	194.71	13.104	
8900	5716	5572	5570	90	169	-88.70	3326	-5012	2454	2258	195.48	12.553	
9000	5716	5572	5570	92	169	-88.75	3326	-5012	2356	2160	196.35	12.001	

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-22 - OH - OH												Offset Site Error:	0 ft
Survey Program: 202-INCLINOMETER												Offset Well Error:	0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
9100	5717	5573	5571	94	169	-88.81	3326	-5012	2259	2062	197.33	11.448	
9200	5717	5573	5571	97	169	-88.86	3326	-5012	2162	1964	198.45	10.895	
9300	5718	5574	5572	99	169	-88.92	3326	-5012	2065	1866	199.71	10.341	
9400	5718	5574	5572	102	169	-88.97	3326	-5012	1969	1768	201.16	9.788	
9500	5719	5575	5573	104	169	-89.03	3326	-5012	1873	1670	202.80	9.235	
9600	5719	5575	5573	107	169	-89.08	3326	-5012	1777	1573	204.67	8.684	
9700	5720	5576	5574	109	169	-89.13	3326	-5012	1682	1475	206.80	8.134	
9800	5720	5576	5574	112	169	-89.19	3326	-5012	1588	1378	209.24	7.588	
9900	5721	5577	5575	114	169	-89.24	3326	-5012	1494	1282	212.05	7.045	
10,000	5721	5577	5575	117	169	-89.30	3326	-5012	1401	1186	215.28	6.508	
10,100	5722	5578	5576	119	169	-89.35	3326	-5012	1309	1090	219.00	5.978	
10,200	5722	5578	5576	122	169	-89.41	3326	-5012	1219	995	223.31	5.457	
10,300	5723	5579	5577	124	169	-89.46	3326	-5012	1130	901	228.32	4.947	
10,400	5723	5579	5577	127	169	-89.51	3326	-5012	1043	808	234.15	4.453	
10,500	5724	5580	5578	129	169	-89.57	3326	-5012	958	717	240.95	3.976	
10,600	5724	5580	5578	132	169	-89.62	3326	-5012	877	628	248.87	3.524	
10,700	5725	5581	5579	134	169	-89.68	3326	-5012	800	542	258.04	3.101	
10,800	5725	5581	5579	137	169	-89.73	3326	-5012	729	460	268.49	2.715	
10,900	5726	5582	5580	139	170	-89.79	3326	-5012	665	385	280.08	2.374	
11,000	5726	5582	5580	142	170	-89.84	3326	-5012	611	319	292.25	2.091	
11,100	5727	5583	5581	144	170	-89.89	3326	-5012	570	266	303.89	1.874	
11,200	5727	5583	5581	147	170	-89.95	3326	-5012	543	230	313.28	1.735	
11,295	5728	5584	5582	149	170	-90.00	3326	-5012	535	217	318.47	1.680 CC	
11,300	5728	5584	5582	149	170	-90.00	3326	-5012	535	217	318.63	1.680 ES, SF	
11,400	5728	5584	5582	152	170	-90.06	3326	-5012	545	226	319.02	1.710	
11,500	5729	5585	5583	154	170	-90.11	3326	-5012	573	258	314.92	1.820	
11,600	5729	5585	5583	157	170	-90.17	3326	-5012	616	308	307.80	2.002	
11,700	5730	5586	5584	159	170	-90.22	3326	-5012	671	372	299.29	2.243	
11,800	5730	5586	5584	162	170	-90.27	3326	-5012	736	445	290.56	2.533	
11,900	5731	5587	5585	164	170	-90.33	3326	-5012	808	526	282.29	2.862	
12,000	5731	5587	5585	167	170	-90.38	3326	-5012	885	611	274.77	3.222	
12,100	5732	5588	5586	169	170	-90.44	3326	-5012	967	699	268.09	3.606	
12,200	5732	5588	5586	172	170	-90.49	3326	-5012	1052	789	262.21	4.010	
12,300	5733	5589	5587	174	170	-90.55	3326	-5012	1139	882	257.05	4.430	
12,400	5733	5589	5587	177	170	-90.60	3326	-5012	1228	975	252.53	4.863	
12,500	5734	5590	5588	179	170	-90.65	3326	-5012	1319	1070	248.57	5.305	
12,600	5734	5590	5588	182	170	-90.71	3326	-5012	1411	1166	245.07	5.756	
12,700	5735	5591	5589	184	170	-90.76	3326	-5012	1504	1262	241.98	6.214	
12,800	5735	5591	5589	187	170	-90.82	3326	-5012	1598	1358	239.23	6.678	
12,900	5736	5592	5590	189	170	-90.87	3326	-5012	1692	1455	236.78	7.146	
13,000	5736	5592	5590	192	170	-90.93	3326	-5012	1787	1553	234.59	7.618	
13,100	5737	5593	5591	194	170	-90.98	3326	-5012	1883	1650	232.62	8.094	
13,200	5737	5593	5591	197	170	-91.03	3326	-5012	1979	1748	230.85	8.572	
13,300	5738	5594	5592	199	170	-91.09	3326	-5012	2075	1846	229.24	9.053	
13,400	5738	5594	5592	202	170	-91.14	3326	-5012	2172	1944	227.79	9.536	
13,500	5739	5595	5593	204	170	-91.20	3326	-5012	2269	2043	226.46	10.020	
13,600	5739	5596	5593	207	170	-91.25	3326	-5012	2367	2141	225.25	10.506	
13,700	5740	5596	5594	209	170	-91.30	3326	-5012	2464	2240	224.14	10.993	
13,800	5740	5597	5594	212	170	-91.36	3326	-5012	2562	2339	223.13	11.481	
13,900	5741	5597	5595	214	170	-91.41	3326	-5012	2660	2437	222.19	11.970	
14,000	5741	5598	5595	217	170	-91.47	3326	-5012	2758	2536	221.33	12.459	
14,100	5742	5598	5596	219	170	-91.52	3326	-5012	2856	2635	220.54	12.949	

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



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-22 - OH - OH												Offset Site Error:	0 ft
Survey Program: 202-INCLINOMETER												Offset Well Error:	0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
14,200	5742	5599	5596	222	170	-91.58	3326	-5012	2954	2734	219.80	13.440	
14,300	5743	5599	5597	224	170	-91.63	3326	-5012	3052	2833	219.12	13.930	
14,400	5743	5600	5597	227	170	-91.68	3326	-5012	3151	2932	218.49	14.421	
14,500	5744	5600	5598	229	170	-91.74	3326	-5012	3250	3032	217.91	14.913	
14,600	5744	5601	5598	232	170	-91.79	3326	-5012	3348	3131	217.36	15.404	
14,700	5745	5601	5599	234	170	-91.85	3326	-5012	3447	3230	216.86	15.895	
14,800	5745	5602	5599	237	170	-91.90	3326	-5012	3546	3329	216.38	16.387	
14,900	5746	5602	5600	239	170	-91.96	3326	-5012	3645	3429	215.94	16.878	
15,000	5747	5603	5601	242	170	-92.01	3326	-5012	3744	3528	215.53	17.369	
15,100	5747	5603	5601	244	170	-92.06	3326	-5012	3843	3627	215.15	17.861	
15,200	5748	5604	5602	247	170	-92.12	3326	-5012	3942	3727	214.79	18.352	
15,274	5748	5604	5602	249	170	-92.16	3326	-5012	4015	3801	214.55	18.715	

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-8 - OH - OH													Offset Site Error:	0 ft
Survey Program: 238-INCLINOMETER													Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Reference		Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)	Factor	
0	0	68	68	0	2	-53.29		5917	-7935	9899				
100	100	168	168	0	5	-53.29		5917	-7935	9899	9893	5.41	1,829.576	
200	200	268	268	1	8	-53.29		5917	-7935	9899	9890	8.81	1,124.124	
300	300	368	368	1	11	-53.29		5917	-7935	9899	9886	12.20	811.301	
350	350	418	418	1	13	-53.29		5917	-7935	9899	9885	13.90	712.206	
400	400	468	468	1	14	54.58		5917	-7935	9898	9883	15.59	634.895	
500	500	568	568	2	17	54.63		5917	-7935	9896	9877	18.97	521.710	
518	518	586	586	2	18	54.64		5917	-7935	9896	9876	19.57	505.721	
600	600	668	668	2	20	54.67		5917	-7935	9893	9871	22.35	442.560	
700	700	768	768	2	23	54.69		5917	-7935	9890	9864	25.74	384.154	
800	799	867	867	3	26	54.72		5917	-7935	9886	9857	29.14	339.303	
900	899	967	967	3	29	54.75		5917	-7935	9883	9850	32.53	303.786	
1000	999	1082	1082	4	33	54.78		5918	-7935	9880	9843	36.39	271.515	
1100	1099	1201	1200	4	36	54.82		5918	-7935	9876	9836	40.35	244.779	
1200	1199	1267	1267	4	38	54.83		5917	-7935	9873	9830	42.73	231.057	
1300	1299	1367	1367	5	42	54.86		5917	-7935	9869	9823	46.13	213.955	
1400	1398	1466	1466	5	45	54.89		5917	-7935	9866	9816	49.53	199.199	
1500	1498	1588	1588	5	48	54.93		5918	-7935	9863	9809	53.59	184.034	
1600	1598	1714	1714	6	52	54.96		5918	-7935	9859	9802	57.79	170.601	
1700	1698	1766	1766	6	54	54.97		5917	-7935	9856	9796	59.73	164.994	
1800	1798	1866	1866	7	57	55.00		5917	-7935	9852	9789	63.14	156.051	
1900	1898	2029	2029	7	62	55.05		5918	-7935	9849	9781	68.45	143.894	
2000	1997	2066	2065	7	63	55.06		5917	-7935	9846	9776	69.94	140.771	
2100	2097	2165	2165	8	66	55.08		5917	-7935	9842	9769	73.34	134.195	
2200	2197	2265	2265	8	69	55.11		5917	-7935	9839	9762	76.75	128.202	
2300	2297	2375	2375	8	72	55.15		5918	-7935	9836	9756	80.44	122.274	
2400	2397	2493	2493	9	76	55.18		5918	-7935	9833	9748	84.40	116.500	
2500	2497	2565	2565	9	78	55.19		5917	-7935	9829	9742	86.96	113.035	
2600	2596	2665	2664	10	81	55.22		5917	-7935	9826	9735	90.36	108.741	
2700	2696	2764	2764	10	84	55.25		5917	-7935	9822	9729	93.76	104.759	
2800	2796	2873	2873	10	87	55.28		5918	-7935	9819	9722	97.44	100.772	
2900	2896	2992	2991	11	91	55.32		5918	-7935	9816	9714	101.40	96.800	
3000	2996	3110	3110	11	94	55.35		5917	-7935	9812	9707	105.37	93.125	
3100	3095	3164	3163	11	96	55.36		5917	-7935	9809	9702	107.37	91.353	
3200	3195	3264	3263	12	99	55.39		5917	-7935	9806	9695	110.78	88.517	
3300	3295	3363	3363	12	102	55.42		5917	-7935	9802	9688	114.18	85.849	
3400	3395	3474	3473	13	105	55.45		5918	-7935	9799	9682	117.90	83.119	
3500	3495	3592	3592	13	109	55.49		5918	-7935	9796	9674	121.86	80.385	
3600	3595	3663	3663	13	111	55.50		5917	-7935	9792	9668	124.39	78.722	
3700	3694	3763	3762	14	114	55.53		5917	-7935	9789	9661	127.79	76.600	
3800	3794	3863	3862	14	117	55.56		5917	-7935	9786	9655	131.20	74.587	
3900	3894	3973	3972	14	121	55.59		5918	-7935	9783	9648	134.91	72.512	
4000	3994	4091	4091	15	124	55.63		5918	-7935	9779	9640	138.88	70.416	
4100	4094	4162	4162	15	126	55.64		5917	-7935	9776	9634	141.41	69.131	
4200	4194	4262	4262	16	129	55.67		5917	-7935	9772	9628	144.81	67.484	
4300	4293	4362	4361	16	132	55.70		5917	-7935	9769	9621	148.22	65.912	
4400	4393	4472	4472	16	136	55.74		5918	-7935	9766	9614	151.93	64.280	
4500	4493	4591	4590	17	139	55.77		5918	-7935	9763	9607	155.90	62.621	
4600	4593	4662	4661	17	142	55.79		5917	-7935	9759	9601	158.43	61.600	
4700	4693	4761	4761	17	145	55.81		5917	-7935	9756	9594	161.83	60.284	
4800	4793	4872	4871	18	148	55.85		5917	-7935	9753	9587	165.56	58.906	
4900	4892	4961	4960	18	151	55.87		5917	-7935	9749	9581	168.64	57.811	

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-8 - OH - OH													Offset Site Error: 0 ft	
Survey Program: Reference		238-INCLINOMETER Offset						Rule Assigned: Distance				Offset Well Error: 0 ft		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5000	4992	5061	5060	19	154	55.90	5917	-7935	9746	9574	172.05	56.648		
5100	5092	5180	5179	19	157	55.94	5919	-7935	9744	9568	176.02	55.355		
5180	5172	5297	5297	19	161	55.97	5918	-7935	9741	9561	179.89	54.148		
5200	5192	5326	5325	19	162	34.22	5918	-7935	9740	9559	180.83	53.861		
5250	5241	5399	5398	19	164	14.60	5917	-7935	9734	9550	183.22	53.126		
5300	5290	5470	5469	20	166	8.30	5916	-7935	9723	9537	185.57	52.396		
5350	5338	5407	5406	20	164	5.23	5917	-7935	9709	9525	183.85	52.809		
5400	5384	5453	5452	20	166	3.40	5917	-7935	9690	9504	185.42	52.258		
5450	5429	5498	5497	20	167	2.13	5917	-7935	9667	9480	186.93	51.712		
5500	5471	5540	5539	21	168	1.15	5917	-7935	9640	9451	188.36	51.176		
5550	5510	5579	5578	21	169	0.32	5917	-7935	9609	9419	189.70	50.654		
5600	5547	5615	5615	21	171	-0.46	5917	-7935	9575	9384	190.93	50.148		
5650	5580	5656	5656	21	172	-1.26	5918	-7935	9538	9346	192.28	49.603		
5700	5609	5694	5693	22	173	-2.17	5918	-7935	9498	9304	193.51	49.081		
5750	5635	5726	5725	22	174	-3.30	5918	-7935	9455	9260	194.56	48.594		
5800	5657	5753	5752	23	175	-4.85	5918	-7935	9410	9214	195.45	48.144		
5850	5674	5775	5774	23	175	-7.22	5918	-7935	9363	9167	196.16	47.732		
5900	5688	5791	5790	24	176	-11.45	5918	-7935	9315	9118	196.68	47.359		
5950	5696	5802	5801	25	176	-21.18	5918	-7935	9265	9068	197.02	47.028		
6000	5701	5807	5806	25	176	-57.13	5918	-7935	9216	9019	197.18	46.738		
6018	5701	5807	5806	25	176	-88.98	5918	-7935	9197	9000	197.19	46.642		
6100	5701	5807	5807	27	176	-88.99	5918	-7935	9116	8919	197.18	46.231		
6200	5702	5807	5807	28	176	-89.00	5918	-7935	9016	8819	197.17	45.726		
6300	5702	5808	5807	30	176	-89.01	5918	-7935	8916	8719	197.17	45.221		
6400	5703	5808	5807	32	176	-89.02	5918	-7935	8816	8619	197.16	44.716		
6500	5703	5808	5807	34	176	-89.03	5918	-7935	8717	8519	197.16	44.210		
6600	5704	5808	5807	36	176	-89.04	5918	-7935	8617	8420	197.16	43.703		
6700	5704	5808	5807	38	176	-89.05	5918	-7935	8517	8320	197.17	43.197		
6800	5705	5808	5807	40	176	-89.06	5918	-7935	8417	8220	197.17	42.689		
6900	5705	5808	5807	42	176	-89.07	5918	-7935	8317	8120	197.18	42.182		
7000	5706	5808	5807	44	176	-89.08	5918	-7935	8217	8020	197.18	41.674		
7100	5706	5808	5807	47	176	-89.08	5918	-7935	8118	7920	197.20	41.165		
7200	5707	5808	5807	49	176	-89.09	5918	-7935	8018	7821	197.21	40.656		
7300	5707	5808	5808	51	176	-89.10	5918	-7935	7918	7721	197.23	40.147		
7400	5708	5808	5808	53	176	-89.11	5918	-7935	7818	7621	197.24	39.637		
7500	5708	5809	5808	56	176	-89.12	5918	-7935	7718	7521	197.27	39.127		
7600	5709	5809	5808	58	176	-89.13	5918	-7935	7619	7421	197.29	38.617		
7700	5710	5809	5808	60	176	-89.14	5918	-7935	7519	7322	197.32	38.105		
7800	5710	5809	5808	63	176	-89.15	5918	-7935	7419	7222	197.35	37.594		
7900	5711	5809	5808	65	176	-89.16	5918	-7935	7319	7122	197.38	37.082		
8000	5711	5809	5808	68	176	-89.17	5918	-7935	7220	7022	197.42	36.569		
8100	5712	5809	5808	70	176	-89.18	5918	-7935	7120	6922	197.47	36.056		
8200	5712	5809	5808	72	176	-89.19	5918	-7935	7020	6823	197.51	35.543		
8300	5713	5809	5808	75	176	-89.19	5918	-7935	6920	6723	197.56	35.029		
8400	5713	5809	5808	77	176	-89.20	5918	-7935	6821	6623	197.62	34.514		
8500	5714	5809	5809	80	176	-89.21	5918	-7935	6721	6523	197.68	33.999		
8600	5714	5809	5809	82	176	-89.22	5918	-7935	6621	6424	197.75	33.484		
8700	5715	5810	5809	85	176	-89.23	5918	-7935	6522	6324	197.82	32.967		
8800	5715	5810	5809	87	176	-89.24	5918	-7935	6422	6224	197.90	32.451		
8900	5716	5810	5809	90	176	-89.25	5918	-7935	6322	6124	197.98	31.933		
9000	5716	5810	5809	92	176	-89.25	5918	-7935	6223	6024	198.07	31.416		
9100	5717	5810	5809	94	176	-89.26	5918	-7935	6123	5925	198.17	30.897		

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-8 - OH - OH											Offset Site Error:	0 ft
Survey Program: 238-INCLINOMETER											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
9200	5717	5810	5809	97	176	-89.27	5918	-7935	6023	5825	198.27	30.378
9300	5718	5810	5809	99	176	-89.28	5918	-7935	5924	5725	198.39	29.858
9400	5718	5810	5809	102	176	-89.29	5918	-7935	5824	5625	198.51	29.338
9500	5719	5810	5809	104	176	-89.30	5918	-7935	5724	5526	198.64	28.817
9600	5719	5810	5809	107	176	-89.31	5918	-7935	5625	5426	198.79	28.296
9700	5720	5810	5809	109	176	-89.31	5918	-7935	5525	5326	198.94	27.773
9800	5720	5810	5809	112	176	-89.32	5918	-7935	5426	5227	199.10	27.250
9900	5721	5810	5810	114	176	-89.33	5918	-7935	5326	5127	199.28	26.727
10,000	5721	5810	5810	117	176	-89.34	5918	-7935	5227	5027	199.47	26.202
10,100	5722	5811	5810	119	176	-89.35	5918	-7935	5127	4927	199.67	25.677
10,200	5722	5811	5810	122	176	-89.35	5918	-7935	5028	4828	199.89	25.151
10,300	5723	5811	5810	124	176	-89.36	5918	-7935	4928	4728	200.13	24.624
10,400	5723	5811	5810	127	176	-89.37	5918	-7935	4829	4628	200.38	24.097
10,500	5724	5811	5810	129	176	-89.38	5918	-7935	4729	4529	200.66	23.569
10,600	5724	5811	5810	132	176	-89.39	5918	-7935	4630	4429	200.95	23.040
10,700	5725	5811	5810	134	176	-89.39	5918	-7935	4530	4329	201.26	22.510
10,800	5725	5811	5810	137	176	-89.40	5918	-7935	4431	4229	201.60	21.979
10,900	5726	5811	5810	139	176	-89.41	5918	-7935	4332	4130	201.97	21.448
11,000	5726	5811	5810	142	176	-89.42	5918	-7935	4232	4030	202.36	20.915
11,100	5727	5811	5810	144	176	-89.42	5918	-7935	4133	3930	202.78	20.382
11,200	5727	5811	5810	147	176	-89.43	5918	-7935	4034	3831	203.24	19.848
11,300	5728	5811	5811	149	176	-89.44	5918	-7935	3935	3731	203.73	19.314
11,400	5728	5811	5811	152	176	-89.45	5918	-7935	3836	3631	204.26	18.778
11,500	5729	5812	5811	154	176	-89.45	5918	-7935	3737	3532	204.83	18.242
11,600	5729	5812	5811	157	176	-89.46	5918	-7935	3638	3432	205.45	17.705
11,700	5730	5812	5811	159	176	-89.47	5918	-7935	3539	3332	206.12	17.167
11,800	5730	5812	5811	162	176	-89.48	5918	-7935	3440	3233	206.84	16.629
11,900	5731	5812	5811	164	176	-89.48	5918	-7935	3341	3133	207.62	16.091
12,000	5731	5812	5811	167	176	-89.49	5918	-7935	3242	3034	208.47	15.551
12,100	5732	5812	5811	169	176	-89.50	5918	-7935	3143	2934	209.39	15.012
12,200	5732	5812	5811	172	176	-89.51	5918	-7935	3045	2834	210.38	14.472
12,300	5733	5812	5811	174	176	-89.51	5918	-7935	2946	2735	211.47	13.932
12,400	5733	5812	5811	177	177	-89.52	5918	-7935	2848	2635	212.64	13.392
12,500	5734	5812	5811	179	177	-89.53	5918	-7935	2749	2535	213.93	12.852
12,600	5734	5812	5811	182	177	-89.53	5918	-7935	2651	2436	215.33	12.312
12,700	5735	5812	5811	184	177	-89.54	5918	-7935	2553	2336	216.86	11.773
12,800	5735	5812	5812	187	177	-89.55	5918	-7935	2455	2237	218.54	11.234
12,900	5736	5812	5812	189	177	-89.56	5918	-7935	2357	2137	220.38	10.697
13,000	5736	5812	5812	192	177	-89.56	5918	-7935	2260	2038	222.41	10.161
13,100	5737	5813	5812	194	177	-89.57	5918	-7935	2163	1938	224.64	9.627
13,200	5737	5813	5812	197	177	-89.58	5918	-7935	2066	1838	227.11	9.095
13,300	5738	5813	5812	199	177	-89.58	5918	-7935	1969	1739	229.85	8.566
13,400	5738	5813	5812	202	177	-89.59	5918	-7935	1872	1640	232.89	8.040
13,500	5739	5813	5812	204	177	-89.60	5918	-7935	1776	1540	236.29	7.518
13,600	5739	5813	5812	207	177	-89.60	5918	-7935	1681	1441	240.10	7.001
13,700	5740	5813	5812	209	177	-89.61	5918	-7935	1586	1342	244.38	6.490
13,800	5740	5813	5812	212	177	-89.62	5918	-7935	1492	1242	249.22	5.985
13,900	5741	5813	5812	214	177	-89.62	5918	-7935	1398	1143	254.71	5.489
14,000	5741	5813	5812	217	177	-89.63	5918	-7935	1305	1044	260.97	5.002
14,100	5742	5813	5812	219	177	-89.64	5918	-7935	1214	946	268.15	4.527
14,200	5742	5813	5812	222	177	-89.64	5918	-7935	1124	848	276.43	4.066
14,300	5743	5813	5812	224	177	-89.65	5918	-7935	1036	750	286.01	3.622

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Offset Design: A26 2307 Pad - Federal B-8 - OH - OH												Offset Site Error:	0 ft
Survey Program: 238-INCLINOMETER												Offset Well Error:	0 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
14,400	5743	5813	5812	227	177	-89.66	5918	-7935	950	653	297.12	3.198	
14,500	5744	5813	5813	229	177	-89.66	5918	-7935	868	558	310.04	2.798	
14,600	5744	5813	5813	232	177	-89.67	5918	-7935	789	464	325.00	2.427	
14,700	5745	5813	5813	234	177	-89.68	5918	-7935	716	373	342.09	2.092	
14,800	5745	5814	5813	237	177	-89.68	5918	-7935	649	288	361.12	1.798	
14,900	5746	5814	5813	239	177	-89.69	5918	-7935	593	212	381.21	1.555	
15,000	5747	5814	5813	242	177	-89.70	5918	-7935	549	148	400.40	1.370	Level 3
15,100	5747	5814	5813	244	177	-89.70	5918	-7935	520	105	415.60	1.252	Level 3
15,199	5748	5814	5813	247	177	-89.71	5918	-7935	510	87	423.41	1.205	Level 3
15,200	5748	5814	5813	247	177	-89.71	5918	-7935	510	87	423.44	1.205	Level 3, CC, ES, SF
15,274	5748	5814	5813	249	177	-89.71	5918	-7935	516	92	423.37	1.218	Level 3

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	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:	Offset Datum

Reference Depths are relative to GL 7307' & RKB 14' @ 7321ft

Offset Depths are relative to Offset Datum

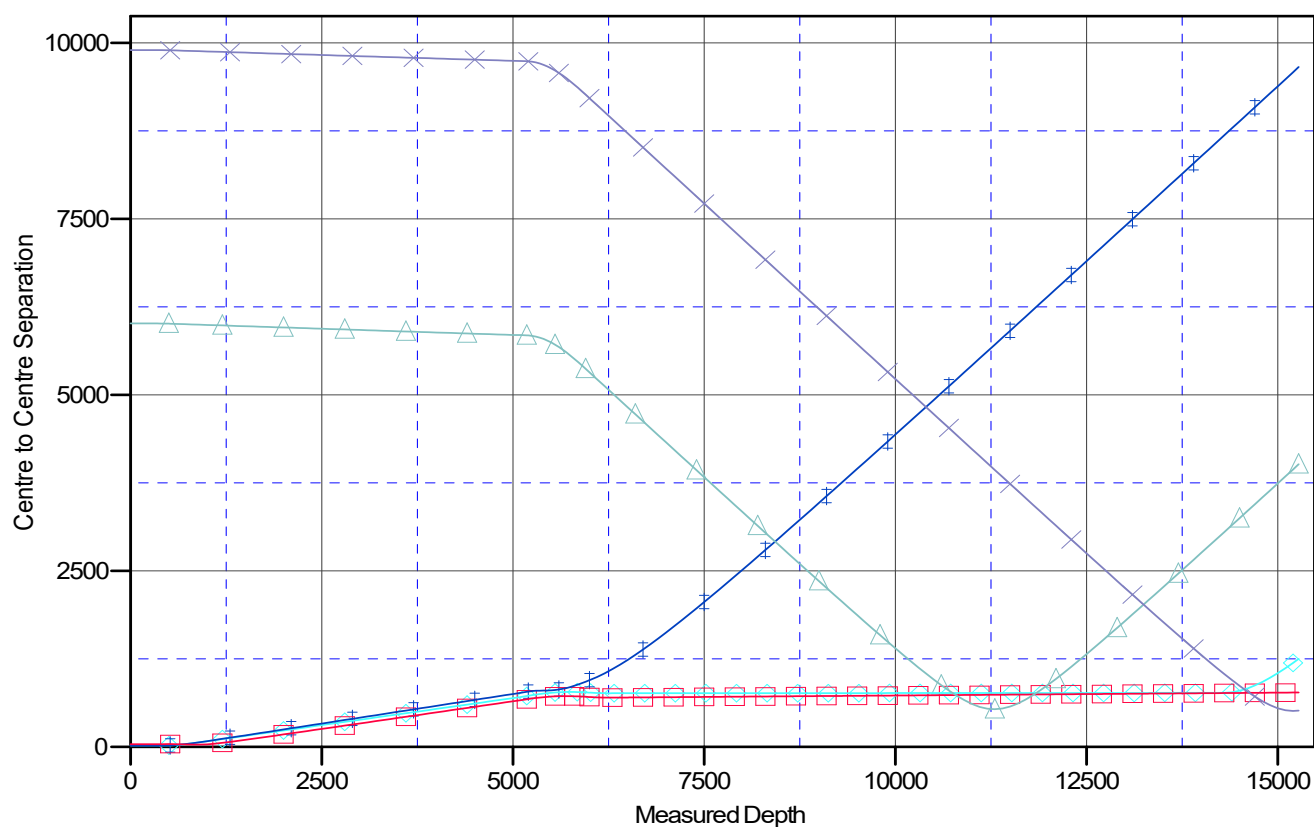
Central Meridian is -107.8333333

Coordinates are relative to: # 206H - Slot 3

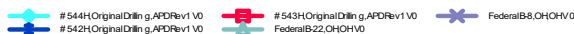
Coordinate System is US State Plane 1983, New Mexico Western Zone

Grid Convergence at Surface is: 0.17°

Ladder Plot



LEGEND



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



Lonestar Consulting, LLC
Anticollision Report

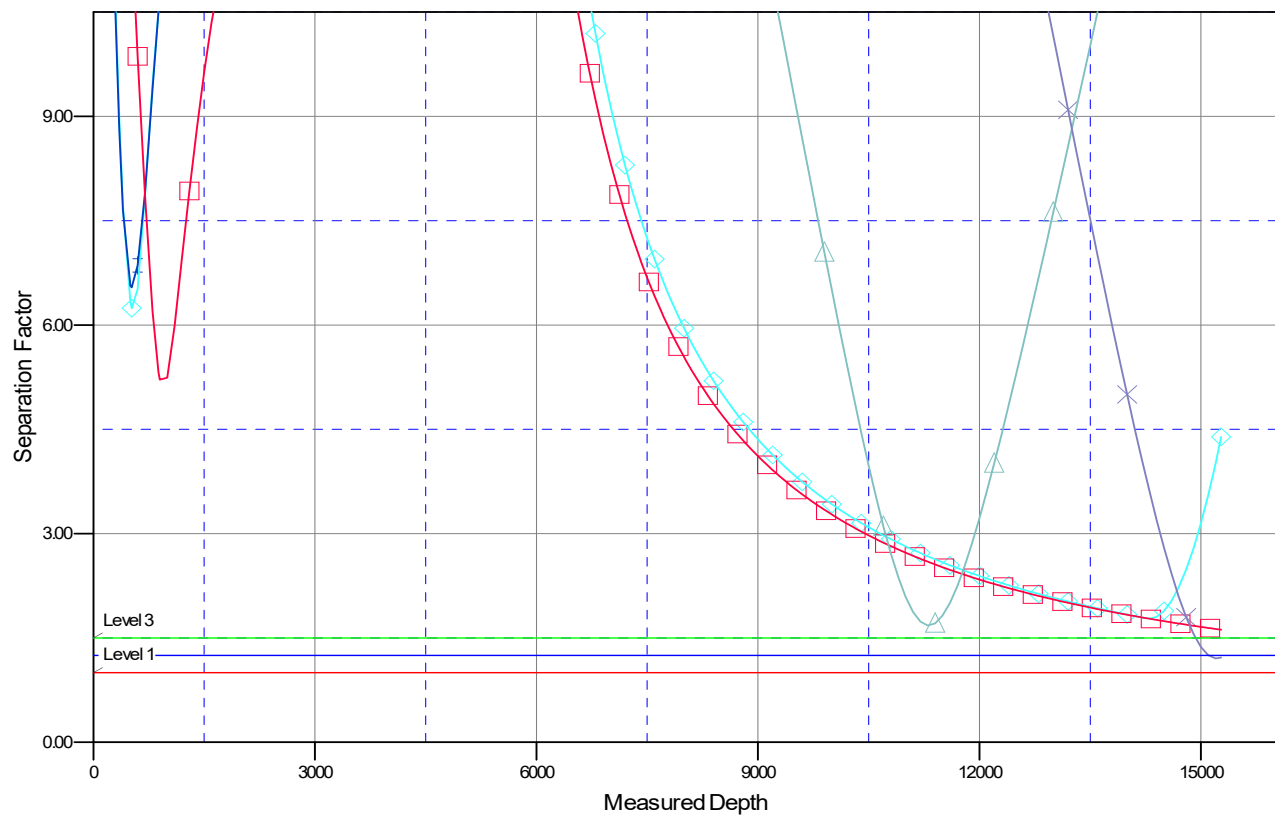


Company:	DJR Operating	Local Co-ordinate Reference:	Well # 206H - Slot 3
Project:	North Alamito Unit	TVD Reference:	GL 7307' & RKB 14' @ 7321ft
Reference Site:	A26 2307 Pad	MD Reference:	GL 7307' & RKB 14' @ 7321ft
Site Error:	0 ft	North Reference:	True
Reference Well:	# 206H	Survey Calculation Method:	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:	Offset Datum

Reference Depths are relative to GL 7307' & RKB 14' @ 7321ft
Offset Depths are relative to Offset Datum
Central Meridian is -107.8333333

Coordinates are relative to: # 206H - Slot 3
Coordinate System is US State Plane 1983, New Mexico Western Zone
Grid Convergence at Surface is: 0.17°

Separation Factor Plot



LEGEND

◆ # 544HOriginalDrilling.APDRev1 V0
 ■ # 543HOriginalDrilling.APDRev1 V0
 ✕ FederalB&C/OH/OV0
◆ # 542HOriginalDrilling.APDRev1 V0
 ◆ FederalB22/OH/OV0



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
#206H NORTH ALAMITO UNIT
Lease: NMNM 028748 Agreement: NMNM 135229A
SH: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 26, T. 23N., R. 7W.
Sandoval County, New Mexico
BH: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 22, T. 23N., R. 7W.
Sandoval County, New Mexico
***Above Data Required on Well Sign**

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

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

- A. ☒ Note all surface/drilling conditions of approval attached.
- B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated
- C. ☒ Test all casing strings below the conductor casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield (burst) for a minimum of 30 minutes. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- D. ☐ Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508.
The effective date of the agreement must be **prior** to any sales.
- E. ☐ The use of co-flex hose is authorized contingent upon the following:
 1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
 2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
 3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

I. GENERAL

- A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).
- F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).
- G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).
- H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).
- I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.**
- J. **The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.**

- K. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.
- L. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.
- M. **Commingling:** No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

- A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.
- B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.
 - 1. Provide complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.
 - c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
 - 2. Well Completion Report will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.
 - 3. Submit a cement evaluation log if cement is not circulated to surface.
- C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

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

IV. GAS FLARING

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

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

V. SAFETY

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

- A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.
- B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.
- C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 504752

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 504752
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☒	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 504752

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 504752
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
scrues76	Cement is required to circulate on both surface and intermediate1 strings of casing.	9/10/2025
scrues76	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	9/10/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	9/18/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	9/18/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	9/18/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	9/18/2025