

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-045-38376
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 08/16/2024

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to a new evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

0. SHL: NESE / 2433 FSL / 561 FEL / TWSP: 23N / RANGE: 9W / SECTION: 6 / LAT: 36.2553235 / LONG: -107.8231091 (TVD: 0 feet, MD: 0 feet)
PPP: SESE / 1317 FSL / 91 FEL / TWSP: 23N / RANGE: 9W / SECTION: 6 / LAT: 36.2522537 / LONG: -107.8215022 (TVD: 4366 feet, MD: 4710 feet)
PPP: SWSW / 1227 FSL / 1 FWL / TWSP: 23N / RANGE: 9W / SECTION: 5 / LAT: 36.252005 / LONG: -107.82119 (TVD: 4368 feet, MD: 11852 feet)
PPP: NWNW / 1 FNL / 1236 FWL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.248658 / LONG: -107.816988 (TVD: 4368 feet, MD: 11852 feet)
PPP: SWNE / 1397 FNL / 2638 FEL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.244853 / LONG: -107.812211 (TVD: 4368 feet, MD: 11852 feet)
BHL: NESE / 1638 FSL / 334 FEL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.2385968 / LONG: -107.8043587 (TVD: 4368 feet, MD: 11852 feet)

BLM Point of Contact

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

CONFIDENTIAL

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

CONFIDENTIAL

Form 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 30-045-38376	Pool Code 5860	Pool Name BISTI S-GALLUP (O)
Property Code 336270 334695	Property Name PONDEROSA I06 2309 FEDERAL COM	Well Number 126H
OGRID No. 371838	Operator Name DJR OPERATING, LLC	Ground Level Elevation 6692'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☒ Tribal ☒ Federal

Surface Location

UL I	Section 6	Township 23N	Range 9W	Lot	Feet from N/S 2433' SOUTH	Ft fron E/W 561' EAST	Latitude 36.255324°N NAD83	Longitude 107.823091°W NAD83	County SAN JUAN
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Bottom Hole Location

UL I	Section 8	Township 23N	Range 9W	Lot	Feet from N/S 1638' SOUTH	Ft fron E/W 334' EAST	Latitude 36.238597°N NAD83	Longitude 107.804359°W NAD83	County SAN JUAN
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Dedicated Acres: SEC 6: E2/SE (80.00 AC.) SEC 5: NW/SW, S2/SW (120.00 AC.) SEC 8: N2/NW, SE/NW, NW/NE, S2/NE, N2/SE, SE/SE (360.00 AC.)= 560.00 ACRES	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers:	Well setbacks are under Common Ownwerships: ☐ Yes ☐ No			

Kick Off Point (KOP)

UL P	Section 6	Township 23N	Range 9W	Lot	Feet from N/S 1317' SOUTH	Ft fron E/W 91' EAST	Latitude 36.252254°N NAD83	Longitude 107.821502°W NAD83	County SAN JUAN
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First Take Point (FTP)

UL P	Section 6	Township 23N	Range 9W	Lot	Feet from N/S 1317' SOUTH	Ft fron E/W 91' EAST	Latitude 36.252254°N NAD83	Longitude 107.821502°W NAD83	County SAN JUAN
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Last Take Point (LTP)

UL I	Section 8	Township 23N	Range 9W	Lot	Feet from N/S 1638' SOUTH	Ft fron E/W 334' EAST	Latitude 36.238597°N NAD83	Longitude 107.804359°W NAD83	County SAN JUAN
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Unitized Area or Area of Uniform Interest	Spacing Unit Type: ☒ Horizontal ☐ Vertical	Ground Floor Elevation:
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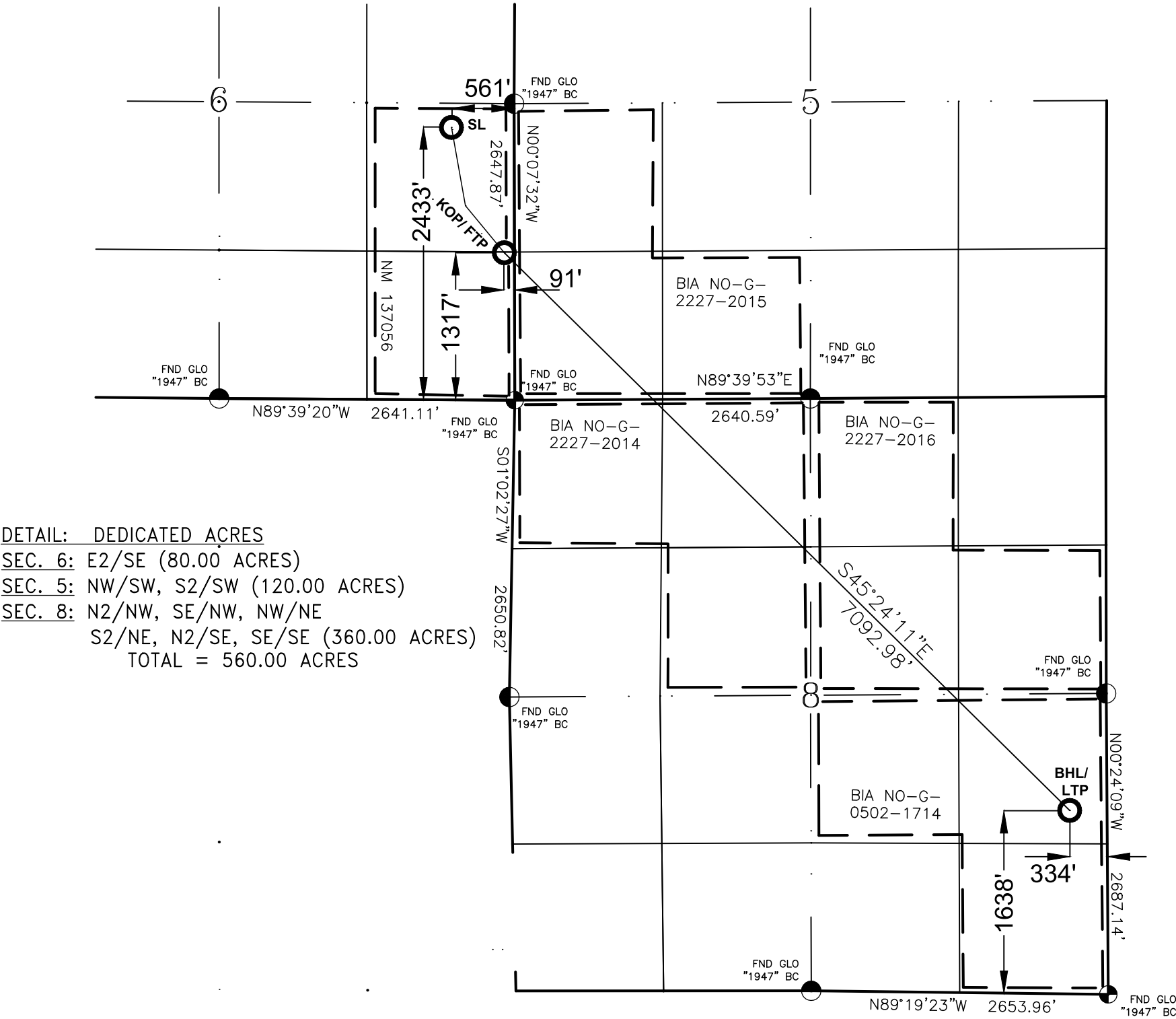
OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed 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 futher certify that this organization has received the concent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool of formation) in which any part of the well's completed interval will be located of obtained a compulsory pooling order from the division. Shaw-Marie Ford Signature 9/5/2024 Date Shaw-Marie Ford Printed Name sford@enduringresources.com E-mail Address	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  GLEN W. RUSSELL Signature and Seal of Professional Surveyor: Certificate Number 15703 Date of Survey SEPTEMBER 1, 2024
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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.

DJR OPERATING , LLC

PONDEROSA I06 2309 FEDERAL COM #126H

P I06 2309 FC



SURFACE LOCATION (SL)
2433' FSL, 561' FEL
SEC. 6, T23N, R9W
LAT: 36.255323° N
LONG: 107.823109° W NAD83

FIRST TAKE POINT (FTP)
1317' FSL, 91' FEL
SEC. 6, T23N, R9W
LAT: 36.252254° N
LONG: 107.821502° W NAD83

BOTTOM HOLE LOCATION (BHL)
1638' FSL, 334' FEL
SEC. 8, T23N, R9W
LAT: 36.238597° N
LONG: 107.804359° W NAD83

KICK OFF POINT (KOP)
1317' FSL, 91' FEL
SEC. 6, T23N, R9W
LAT: 36.252254° N
LONG: 107.821502° W NAD83

LAST TAKE POINT (LTP)
1638' FSL, 334' FEL
SEC. 8, T23N, R9W
LAT: 36.238597° N
LONG: 107.804359° W NAD83

DJR OPERATING, LLC
PONDEROSA I06 2309 FEDERAL COM #126H
P I06 2309 FC

SURFACE LOCATION NMNM 137056
2433' FSL, 561' FEL
LOCATED IN THE NE/SE OF SEC. 6, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.255324° N LONG: 107.823109° W NAD83

PPP1(FIRST TAKE POINT) NMNM 137056
1317' FSL, 91' FEL
LOCATED IN THE SE/SE OF SEC. 6, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.252254° N LONG: 107.821502° W NAD83

PPP2 BIA NO-G-2227-2015
1227' FSL, 1' FWL
LOCATED IN THE SW/SW OF SEC. 5, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.252005° N LONG: 107.821190° W NAD83

PPP3 BIA NO-G-2227-2014
1' FNL, 1236' FWL
LOCATED IN THE NW/NW OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.248658° N LONG: 107.816988° W NAD83

PPP4 BIA NO-G-2227-2016
1397' FNL, 2638' FEL
LOCATED IN THE SW/NE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.244853° N LONG: 107.812211° W NAD83

PPP5 BIA NO-G-0502-1714
2661' FSL, 1376' FEL
LOCATED IN THE NW/SE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.241436° N LONG: 107.807922° W NAD83

PPP6 (LAST TAKE POINT) BOTTOM HOLE LOCATION BIA-NO-G-0502-1714
1638' FSL, 334' FEL
LOCATED IN IN THE NE/SE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.238597° N LONG: 107.804359° W NAD83

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 5860	³ Pool Name BISTI, S-GALLUP (O)
⁴ Property Code 334695	⁵ Property Name PONDEROSA 106 2309 FEDERAL COM	⁶ Well Number 126H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6692

¹⁰ Surface Location

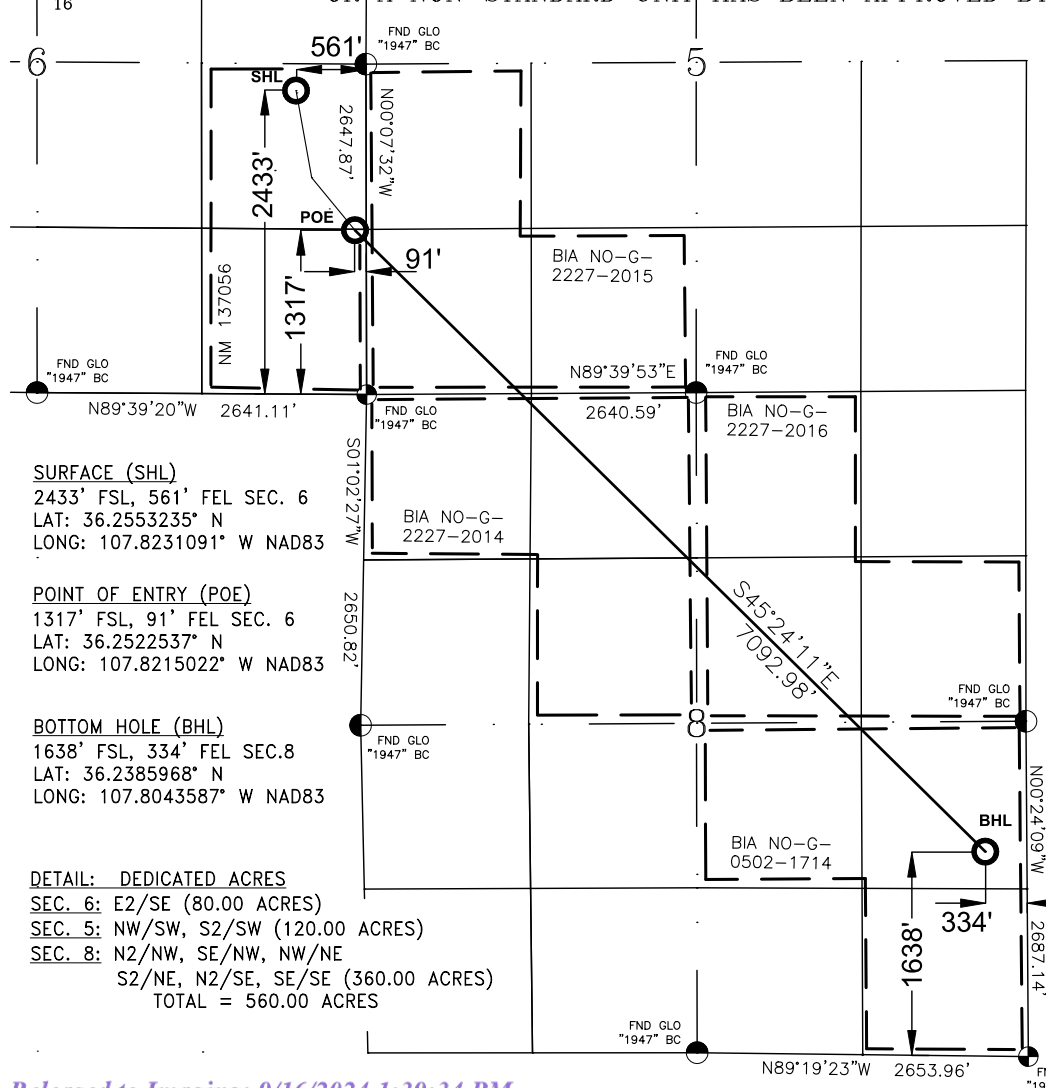
UL or lot no. I	Section 6	Township 23-N	Range 9-W	Lot Idn	Feet from the 2433	North/South line SOUTH	Feet from the 561	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. I	Section 8	Township 23-N	Range 9-W	Lot Idn	Feet from the 1638	North/South line SOUTH	Feet from the 334	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres SEE DETAIL BELOW	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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



¹⁷ OPERATOR CERTIFICATION

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

Shaw-Marie Ford 1/12/2024

Signature Date

Shaw-Marie Ford

Printed Name

sford@djrlc.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

JULY 31, 2023

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL

Certificate Number

15703

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

ACREAGE DEDICATION AND UNIT BOUNDARY PLAT

DJR OPERATING, LLC

☐ AMENDED REPORT

PONDEROSA I06 2309 FEDERAL COM #126H

P I06 2309 FC

1) SE SEC. 6
LAT: 36.248637° N
LONG: 107.821179° W
NAD83

2) S/4 SEC. 6
LAT: 36.248670° N
LONG: 107.830132° W
NAD83

3) E/4 SEC. 6
LAT: 36.255907° N
LONG: 107.821211° W
NAD83

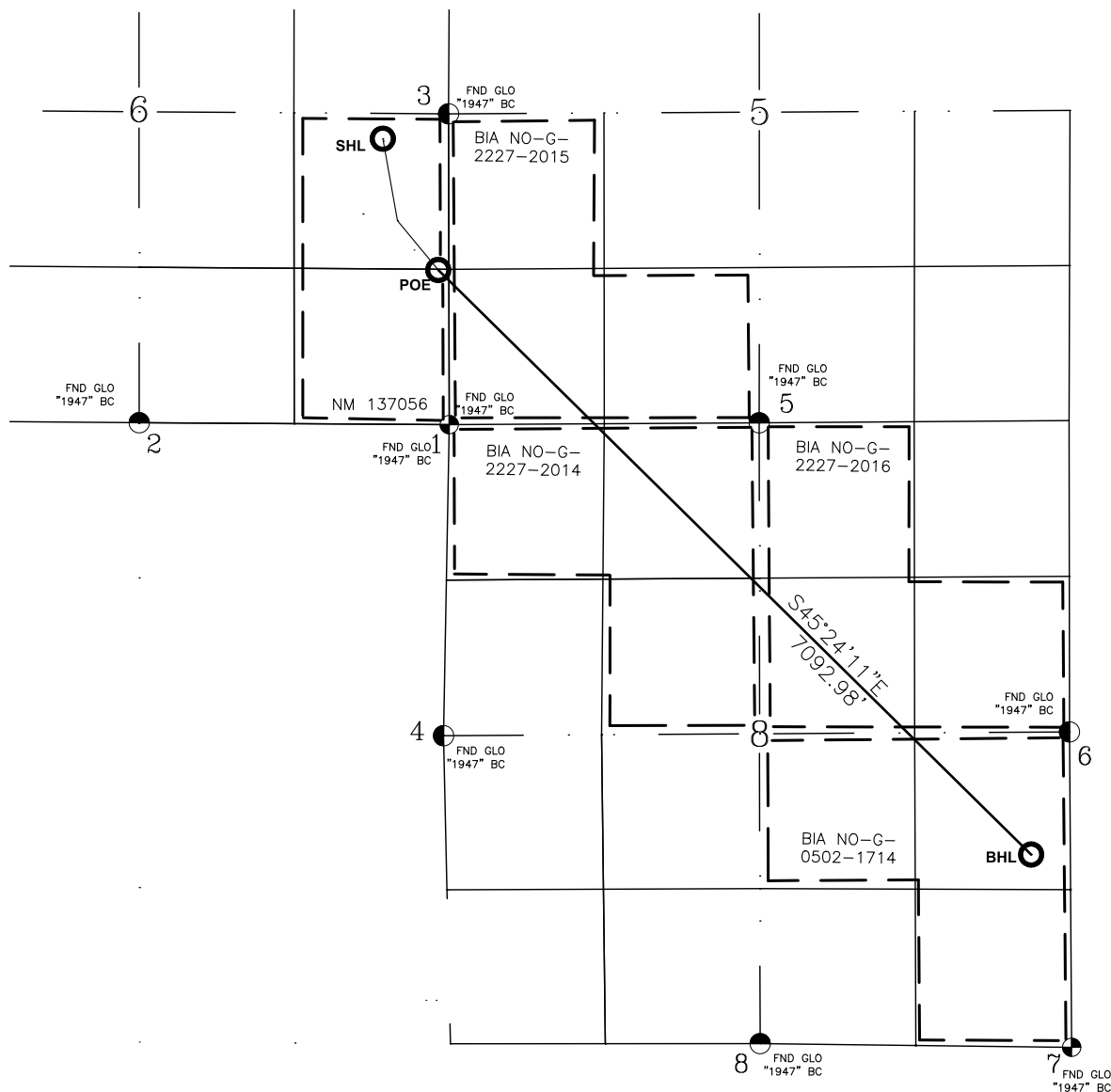
4) W/4 SEC. 8
LAT: 36.241359° N
LONG: 107.821330° W
NAD83

5) N/4 SEC. 8
LAT: 36.248689° N
LONG: 107.812227° W
NAD83

6) E/4 SEC. 8
LAT: 36.241466° N
LONG: 107.803257° W
NAD83

7) SE SEC. 8
LAT: 36.234088° N
LONG: 107.803182° W
NAD83

8) S/4 SEC. 8
LAT: 36.234165° N
LONG: 107.812177° W
NAD83



DETAIL: DEDICATED ACRES

SEC. 6: E2/SE (80.00 ACRES)
SEC. 5: NW/SW, S2/SW (120.00 ACRES)
SEC. 8: N2/NW, SE/NW, NW/NE
S2/NE, N2/SE, SE/SE (360.00 ACRES)
TOTAL = 560.00 ACRES

SURFACE (SHL)

2433' FSL, 561' FEL SEC. 6
LAT: 36.2553235° N
LONG: 107.8231091° W NAD83

POINT OF ENTRY (POE)

1317' FSL, 91' FEL SEC. 6
LAT: 36.2522537° N
LONG: 107.8215022° W NAD83

BOTTOM HOLE (BHL)

1638' FSL, 334' FEL SEC. 8
LAT: 36.2385968° N
LONG: 107.8043587° W NAD83

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSubmit Electronically
Via E-permittingOil 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:** 09 / 05 / 2024**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Ponderosa I06 2309 FED COM 125H	TBD	I-06-23N-09W	2413' FSL x 554' FEL	162	40	65
Ponderosa I06 2309 FED COM 126H	TBD	I-06-23N-09W	2433' FSL x 561' FEL	246	61	98
Ponderosa I06 2309 FED COM 127H	TBD	I-06-23N-09W	2452' FSL x 566' FEL	372	837	149
Ponderosa I06 2309 FED COM 128H	TBD	I-06-23N-09W	2471' FSL x 572' FEL	306	690	123

IV. Central Delivery Point Name: Chaco Processing Plant [See 19.15.27.9(D)(1) NMAC]**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Ponderosa I06 2309 FED COM 125H	TBD	4/24/2025	5/1/2025	6/28/2025	7/10/2025	7/13/2025
Ponderosa I06 2309 FED COM 126H	TBD	5/2/2025	5/9/2025	6/28/2025	7/15/2025	7/18/2025
Ponderosa I06 2309 FED COM 127H	TBD	5/10/2025	5/16/2025	6/28/2025	7/20/2025	7/23/2025
Ponderosa I06 2309 FED COM 128H	TBD	5/17/2025	5/24/2025	6/28/2025	7/25/2025	7/28/2025

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: <i>Shaw-Marie Ford</i>
Printed Name: Shaw-Marie Ford
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 09/05/2024
Phone: 505-716-3297
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Ponderosa I06 2309 FED COM 125H, 126H, 127H, 128H
NESE I-06-23N-09W

SEPARATION EQUIPMENT

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

Separation equipment will be set as follows:

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

Heater treaters will be set as follows:

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

Vapor Recovery Equipment will be set as follows:

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

Production storage tanks will be set as follows:

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



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VENTING and FLARING

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

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

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

DJR will only flare gas during the following times:

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



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NESE I-06-23N-09W

OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

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

19.15.27.8 B. Venting and flaring during drilling operations

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

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, DJR utilizes the following:

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



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 is designed with an auto ignition system.
3. Flare stacks will appropriately sized and designed to ensure proper combustion efficiency.



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

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

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



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NATURAL GAS MANAGEMENT PLAN
Ponderosa I06 2309 FED COM 125H, 126H, 127H, 128H
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BEST MANAGEMENT PRACTICES

DJR Operating, LLC (DJR) utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

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

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

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

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

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

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 1



DRILLING PLAN

Ponderosa I06 2309 Fed Com #126H

San Juan County, New Mexico

Surface Location

561-ft FEL & 2433-ft FSL
 Sec 6 T23 R9
 Graded Elevation 6692' MSL
 RKB Elevation 6706' (14' KB)

SHL Geographical Coordinates (NAD-83)

Latitude 36.2553235° N
 Longitude 107.8231091° W

Kick Off Point for Horizontal Build Curve

3999-ft MD
 3923-ft TVD

Local Coordinates (from SHL)

698-ft South
 129-ft East

Heel Location (Pay zone entry)

91-ft FEL & 1317-ft FSL
 Sec 6 T23 R9

Heel Geographical Coordinates (NAD-83)

Latitude 36.25225369° N
 Longitude 107.82150216° W

Bottom Hole Location (TD)

334-ft FEL & 1638-ft FSL
 Sec 8 T23 R9

BHL Geographical Coordinates (NAD-83)

Latitude 36.23859682° N
 Longitude 107.8043587° W

Well objectives

This well is planned as a 7090-ft lateral in the Mancos Silt sand.

Bottom Hole temperature and pressure

The temperature in the Mancos Silt horizontal objective is 128°F. Bottom hole pressure in the Mancos Silt is forecast to be 1985 psi.

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

Name	MD (ft)	TVD (ft)	Lithology	Pore fluid	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Ojo Alamo	327	327	Sd	W	8.3	8.4 – 8.8
Kirtland	417	417	Sh	-	8.3	8.4 – 8.8
Fruitland	646	646	C	G	8.3	9.0 - 9.5
Pictured Cliffs	1077	1071	Sd	W	8.3	9.0 - 9.5
Lewis	1208	1199	Sh	-		9.0 - 9.5
Chacra	1817	1794	Sd	-	8.3	9.0 - 9.5
Menefee	2563	2522	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	3576	3511	Sd	-	8.3	9.0 - 9.5
Mancos	3721	3652	Sh	-		9.0 - 9.5
Mancos Silt	4098	4018	Slt	O/G	6.6	9.0 - 9.5
Gallup A	NP	NP	Slt	O/G	6.6	9.0 - 9.5
Gallup B	NP	NP	Sd	O/G	6.6	8.8 - 9.0
Gallup C	NP	NP	Sd	O/G	6.6	8.8 - 9.0
Target	4762	4368	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	380	surf	380	surface
7"	8-3/4"	26	K-55	LTC	surf	4710	surf	4366	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	4470	11852	4294	4322	4470

Note: all casing will be new

Rev 1



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	3721-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.32	1.51
Mix water (gal/sx)	13.22	7.13
Volume (sx)	413	104
Volume (bbls)	171	28
Volume (cu.ft.)	958	158
Excess %	78	0



Rev 1

4-1/2" Production Liner

Type	American
Planned top	Poz/G
Density (ppg)	4470-ft
Yield (cf/sx)	13.3
Mix water (gal/sx)	1.52
Volume (sx)	7.52
Volume (bbls)	638
Volume (cu.ft)	173
Excess %	970
	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 – 380	8.4 – 8.8	32 – 44	2 – 12	NC
Intermediate	7% KCl Low solids, non-dispersed	380 – 4710	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	4710 – 11852	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

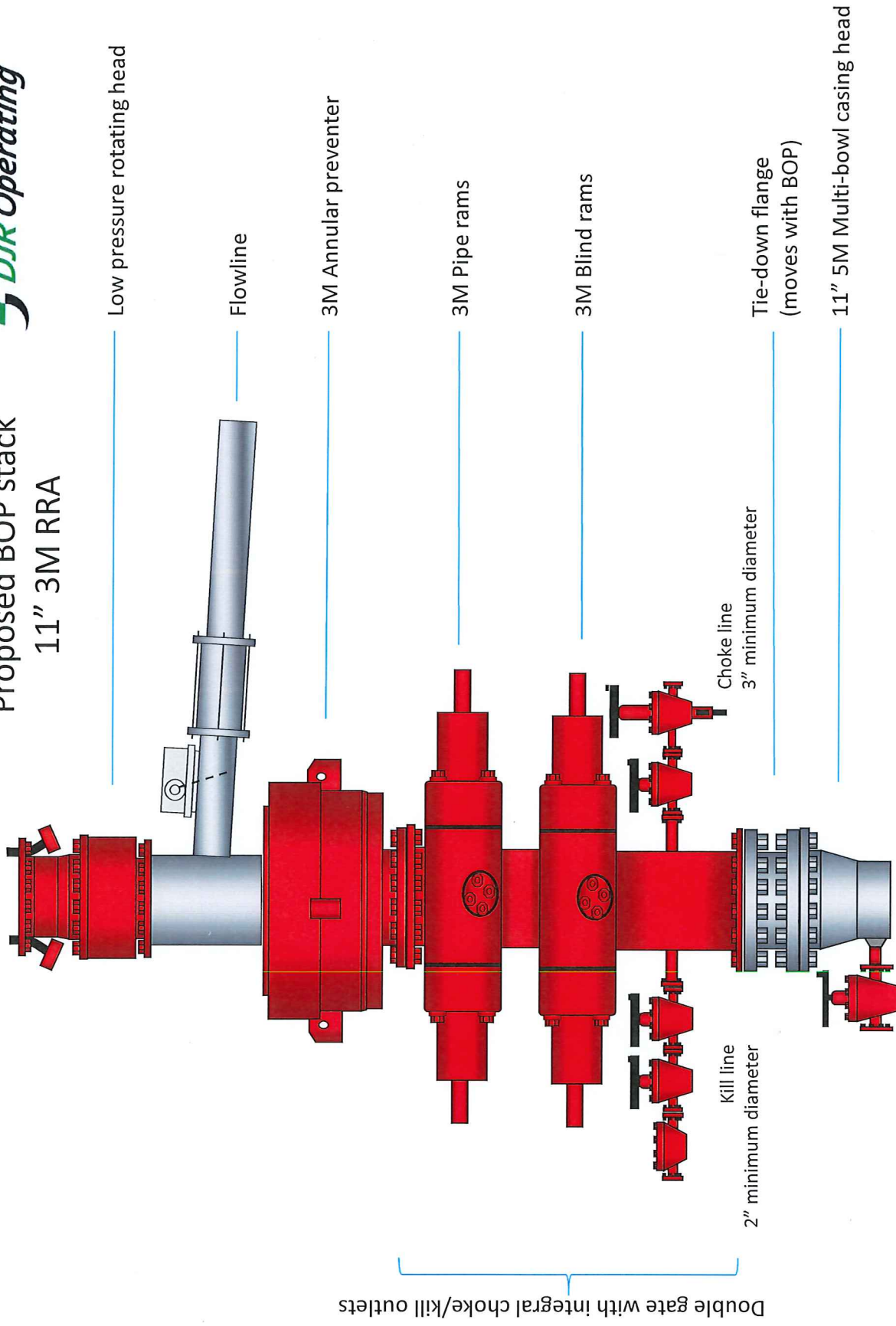
A closed loop, steel tank-based circulating system will be used. In addition to the rig solids control equipment, a dewatering centrifuge and chemical flocculation system will be operational to strip solids from the whole mud. All solids will be collected in 3-sided bins and will then be put into transports 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.



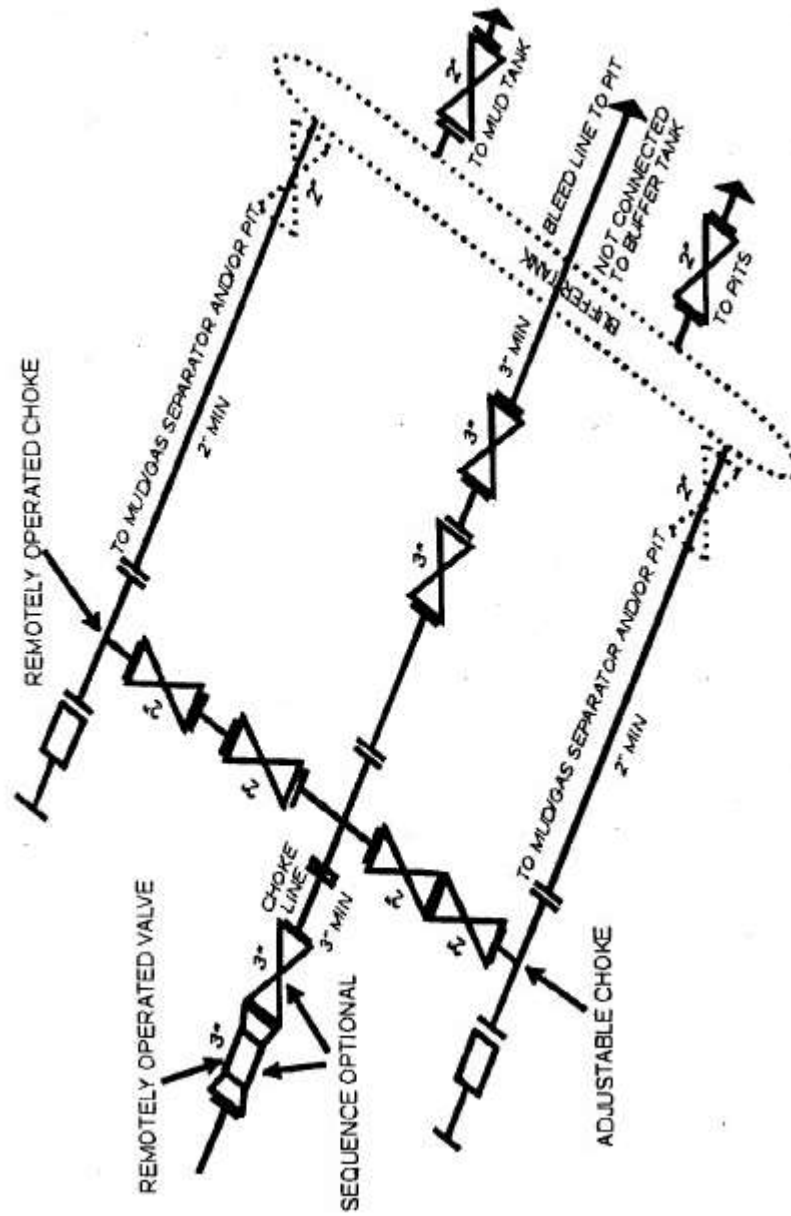
Proposed BOP stack 11" 3M RRA





Choke Manifold

Actual system to conform with Onshore Order 2





Company: DJR Operating
Project: Ponderosa Unit
Site: I06 2309
Well: Ponderosa I06 2309 Fed Com #126H
Wellbore: Original Drilling
Design: APD Rev 1

WELL DETAILS: Ponderosa I06 2309 Fed Com #126H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0	0	1912236.55	2726106.09	36.25532350	-107.82310910

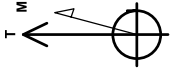
Plan: APD Rev 1 (Ponderosa I06 2309 Fed Com #126H/Original Drilling)

Created By: Janie Collins Date: 17:07, August 08 2023

PROJECT DETAILS: Ponderosa 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

Azimuths to True North
Magnetic North: 10.3°



Magnetic Field
Strength: 50617.8 nT
Dip Angle: 63.83°
Date: 12/31/2019
Model: IGRF2005.10

CASING DETAILS

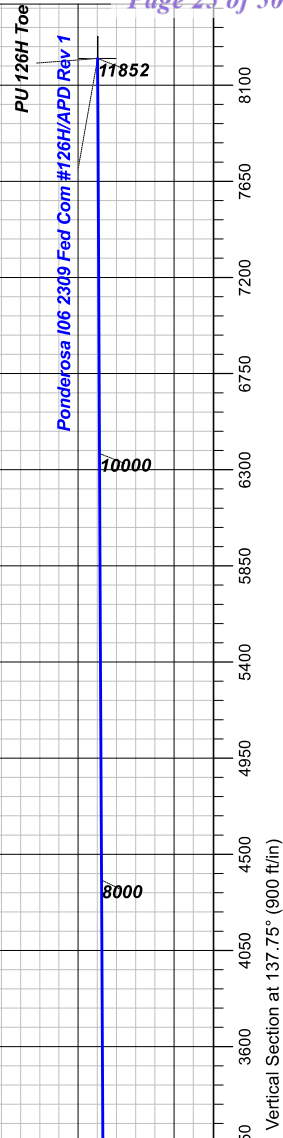
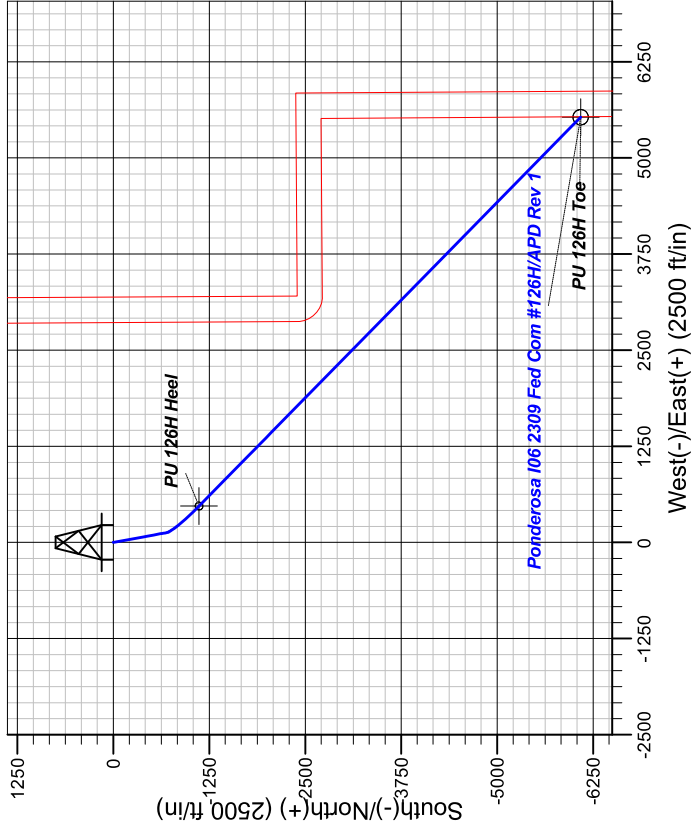
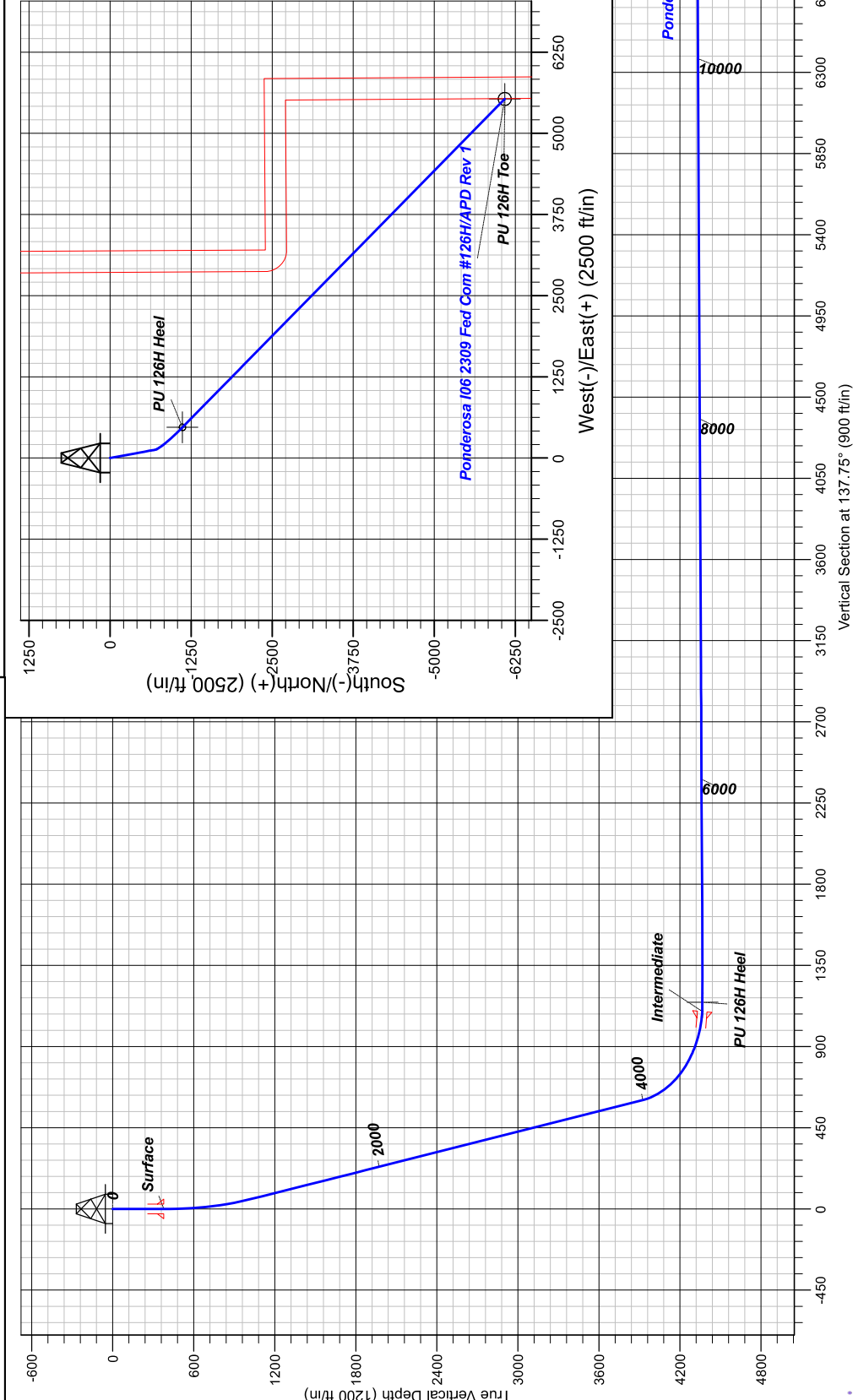
TVD	MD	Surface	Intermediate
380	380	4366	4710

FORMATION DETAILS

TVDPath	MDPath	Formation
327	327	Ojo Alamo
417	417	Kirtland
646	646	Fruitland
1071	1077	Pictured Cliffs
1199	1208	Lewis
1794	1817	Chacra
2522	2563	Menefee
3511	3576	Point Lookout
3652	3721	Mancos
4018	4098	Mancos Silt

DESIGN TARGET DETAILS

Time	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PU 126H Heel	4368	-1117	474	1911119.12	2726580.00	36.25225369	-107.82150216
PU 126H Toe	4322	-6088	5529	1906148.78	2731636.11	36.23859682	-107.80435668





DJR Operating

Ponderosa Unit

I06 2309

Ponderosa I06 2309 Fed Com #126H - Slot 2

Original Drilling

Plan: APD Rev 1

Standard Planning Report

08 August, 2023





Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	I06 2309	North Reference:	True
Well:	Ponderosa I06 2309 Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Project	Ponderosa 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	I06 2309				
Site Position:		Northing:	1,912,217.22 usft	Latitude:	36.25527040
From:	Lat/Long	Easting:	2,726,112.72 usft	Longitude:	-107.82308660
Position Uncertainty:	0 ft	Slot Radius:	13.20 in		

Well	Ponderosa I06 2309 Fed Com #126H - Slot 2					
Well Position	+N/-S	0 ft	Northing:	1,912,236.55 usft	Latitude:	36.25532350
	+E/-W	0 ft	Easting:	2,726,106.09 usft	Longitude:	-107.82310910
Position Uncertainty		0 ft	Wellhead Elevation:	ft	Ground Level:	6692 ft
Grid Convergence:		0.01 °				

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	10.02	63.08	50,617.58793809

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	137.75

Plan Survey Tool Program			Date	8/8/2023	
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks	
1	0	11,852	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	
425	0.00	0.00	425	0	0	0.00	0.00	0.00	0.00	
1053	12.57	169.56	1048	-67	12	2.00	2.00	0.00	169.56	
3999	12.57	169.56	3923	-698	129	0.00	0.00	0.00	0.00	
4762	90.37	134.52	4368	-1117	474	10.50	10.20	-4.59	-35.65	PU 126H Heel
11,852	90.37	134.52	4322	-6088	5529	0.00	0.00	0.00	0.00	PU 126H Toe



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	I06 2309	North Reference:	True
Well:	Ponderosa I06 2309 Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00
100	0.00	0.00	100	0	0	0	0.00	0.00	0.00
200	0.00	0.00	200	0	0	0	0.00	0.00	0.00
300	0.00	0.00	300	0	0	0	0.00	0.00	0.00
400	0.00	0.00	400	0	0	0	0.00	0.00	0.00
425	0.00	0.00	425	0	0	0	0.00	0.00	0.00
500	1.50	169.56	500	-1	0	1	2.00	2.00	0.00
600	3.50	169.56	600	-5	1	5	2.00	2.00	0.00
700	5.50	169.56	700	-13	2	11	2.00	2.00	0.00
800	7.50	169.56	799	-24	4	21	2.00	2.00	0.00
900	9.50	169.56	898	-39	7	33	2.00	2.00	0.00
1000	11.50	169.56	996	-57	10	49	2.00	2.00	0.00
1053	12.57	169.56	1048	-67	12	58	2.00	2.00	0.00
1100	12.57	169.56	1094	-77	14	67	0.00	0.00	0.00
1200	12.57	169.56	1191	-99	18	85	0.00	0.00	0.00
1300	12.57	169.56	1289	-120	22	104	0.00	0.00	0.00
1400	12.57	169.56	1387	-142	26	122	0.00	0.00	0.00
1500	12.57	169.56	1484	-163	30	141	0.00	0.00	0.00
1600	12.57	169.56	1582	-184	34	159	0.00	0.00	0.00
1700	12.57	169.56	1679	-206	38	178	0.00	0.00	0.00
1800	12.57	169.56	1777	-227	42	196	0.00	0.00	0.00
1900	12.57	169.56	1875	-249	46	215	0.00	0.00	0.00
2000	12.57	169.56	1972	-270	50	233	0.00	0.00	0.00
2100	12.57	169.56	2070	-291	54	252	0.00	0.00	0.00
2200	12.57	169.56	2168	-313	58	270	0.00	0.00	0.00
2300	12.57	169.56	2265	-334	62	289	0.00	0.00	0.00
2400	12.57	169.56	2363	-356	66	307	0.00	0.00	0.00
2500	12.57	169.56	2460	-377	69	326	0.00	0.00	0.00
2600	12.57	169.56	2558	-398	73	344	0.00	0.00	0.00
2700	12.57	169.56	2656	-420	77	363	0.00	0.00	0.00
2800	12.57	169.56	2753	-441	81	381	0.00	0.00	0.00
2900	12.57	169.56	2851	-463	85	400	0.00	0.00	0.00
3000	12.57	169.56	2948	-484	89	418	0.00	0.00	0.00
3100	12.57	169.56	3046	-505	93	437	0.00	0.00	0.00
3200	12.57	169.56	3144	-527	97	455	0.00	0.00	0.00
3300	12.57	169.56	3241	-548	101	474	0.00	0.00	0.00
3400	12.57	169.56	3339	-570	105	492	0.00	0.00	0.00
3500	12.57	169.56	3436	-591	109	511	0.00	0.00	0.00
3600	12.57	169.56	3534	-612	113	529	0.00	0.00	0.00
3700	12.57	169.56	3632	-634	117	548	0.00	0.00	0.00
3800	12.57	169.56	3729	-655	121	566	0.00	0.00	0.00
3900	12.57	169.56	3827	-677	125	585	0.00	0.00	0.00
3999	12.57	169.56	3923	-698	129	603	0.00	0.00	0.00
4000	12.67	169.22	3924	-698	129	603	10.50	8.55	-27.90
4100	22.07	152.94	4020	-726	139	631	10.50	9.40	-16.28
4200	32.14	146.30	4109	-765	163	675	10.50	10.07	-6.64
4300	42.41	142.61	4188	-814	198	735	10.50	10.26	-3.69
4400	52.75	140.14	4256	-871	244	809	10.50	10.34	-2.47
4500	63.13	138.28	4309	-935	299	894	10.50	10.38	-1.86
4600	73.53	136.73	4345	-1004	362	986	10.50	10.40	-1.55
4700	83.94	135.34	4365	-1074	430	1084	10.50	10.41	-1.39
4762	90.37	134.52	4368	-1117	474	1146	10.50	10.41	-1.34
4800	90.37	134.52	4368	-1144	501	1184	0.00	0.00	0.00



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	I06 2309	North Reference:	True
Well:	Ponderosa I06 2309 Fed Com #126H	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)	
4900	90.37	134.52	4367	-1214	572	1284	0.00	0.00	0.00	
5000	90.37	134.52	4366	-1285	644	1384	0.00	0.00	0.00	
5100	90.37	134.52	4366	-1355	715	1484	0.00	0.00	0.00	
5200	90.37	134.52	4365	-1425	786	1583	0.00	0.00	0.00	
5300	90.37	134.52	4364	-1495	858	1683	0.00	0.00	0.00	
5400	90.37	134.52	4364	-1565	929	1783	0.00	0.00	0.00	
5500	90.37	134.52	4363	-1635	1000	1883	0.00	0.00	0.00	
5600	90.37	134.52	4363	-1705	1072	1983	0.00	0.00	0.00	
5700	90.37	134.52	4362	-1775	1143	2083	0.00	0.00	0.00	
5800	90.37	134.52	4361	-1845	1214	2182	0.00	0.00	0.00	
5900	90.37	134.52	4361	-1916	1285	2282	0.00	0.00	0.00	
6000	90.37	134.52	4360	-1986	1357	2382	0.00	0.00	0.00	
6100	90.37	134.52	4359	-2056	1428	2482	0.00	0.00	0.00	
6200	90.37	134.52	4359	-2126	1499	2582	0.00	0.00	0.00	
6300	90.37	134.52	4358	-2196	1571	2682	0.00	0.00	0.00	
6400	90.37	134.52	4357	-2266	1642	2781	0.00	0.00	0.00	
6500	90.37	134.52	4357	-2336	1713	2881	0.00	0.00	0.00	
6600	90.37	134.52	4356	-2406	1785	2981	0.00	0.00	0.00	
6700	90.37	134.52	4355	-2476	1856	3081	0.00	0.00	0.00	
6800	90.37	134.52	4355	-2547	1927	3181	0.00	0.00	0.00	
6900	90.37	134.52	4354	-2617	1998	3281	0.00	0.00	0.00	
7000	90.37	134.52	4353	-2687	2070	3380	0.00	0.00	0.00	
7100	90.37	134.52	4353	-2757	2141	3480	0.00	0.00	0.00	
7200	90.37	134.52	4352	-2827	2212	3580	0.00	0.00	0.00	
7300	90.37	134.52	4352	-2897	2284	3680	0.00	0.00	0.00	
7400	90.37	134.52	4351	-2967	2355	3780	0.00	0.00	0.00	
7500	90.37	134.52	4350	-3037	2426	3880	0.00	0.00	0.00	
7600	90.37	134.52	4350	-3107	2498	3979	0.00	0.00	0.00	
7700	90.37	134.52	4349	-3177	2569	4079	0.00	0.00	0.00	
7800	90.37	134.52	4348	-3248	2640	4179	0.00	0.00	0.00	
7900	90.37	134.52	4348	-3318	2712	4279	0.00	0.00	0.00	
8000	90.37	134.52	4347	-3388	2783	4379	0.00	0.00	0.00	
8100	90.37	134.52	4346	-3458	2854	4479	0.00	0.00	0.00	
8200	90.37	134.52	4346	-3528	2925	4579	0.00	0.00	0.00	
8300	90.37	134.52	4345	-3598	2997	4678	0.00	0.00	0.00	
8400	90.37	134.52	4344	-3668	3068	4778	0.00	0.00	0.00	
8500	90.37	134.52	4344	-3738	3139	4878	0.00	0.00	0.00	
8600	90.37	134.52	4343	-3808	3211	4978	0.00	0.00	0.00	
8700	90.37	134.52	4342	-3879	3282	5078	0.00	0.00	0.00	
8800	90.37	134.52	4342	-3949	3353	5178	0.00	0.00	0.00	
8900	90.37	134.52	4341	-4019	3425	5277	0.00	0.00	0.00	
9000	90.37	134.52	4340	-4089	3496	5377	0.00	0.00	0.00	
9100	90.37	134.52	4340	-4159	3567	5477	0.00	0.00	0.00	
9200	90.37	134.52	4339	-4229	3638	5577	0.00	0.00	0.00	
9300	90.37	134.52	4339	-4299	3710	5677	0.00	0.00	0.00	
9400	90.37	134.52	4338	-4369	3781	5777	0.00	0.00	0.00	
9500	90.37	134.52	4337	-4439	3852	5876	0.00	0.00	0.00	
9600	90.37	134.52	4337	-4510	3924	5976	0.00	0.00	0.00	
9700	90.37	134.52	4336	-4580	3995	6076	0.00	0.00	0.00	
9800	90.37	134.52	4335	-4650	4066	6176	0.00	0.00	0.00	
9900	90.37	134.52	4335	-4720	4138	6276	0.00	0.00	0.00	
10,000	90.37	134.52	4334	-4790	4209	6376	0.00	0.00	0.00	
10,100	90.37	134.52	4333	-4860	4280	6475	0.00	0.00	0.00	



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	I06 2309	North Reference:	True
Well:	Ponderosa I06 2309 Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,200	90.37	134.52	4333	-4930	4352	6575	0.00	0.00	0.00	
10,300	90.37	134.52	4332	-5000	4423	6675	0.00	0.00	0.00	
10,400	90.37	134.52	4331	-5070	4494	6775	0.00	0.00	0.00	
10,500	90.37	134.52	4331	-5141	4565	6875	0.00	0.00	0.00	
10,600	90.37	134.52	4330	-5211	4637	6975	0.00	0.00	0.00	
10,700	90.37	134.52	4329	-5281	4708	7074	0.00	0.00	0.00	
10,800	90.37	134.52	4329	-5351	4779	7174	0.00	0.00	0.00	
10,900	90.37	134.52	4328	-5421	4851	7274	0.00	0.00	0.00	
11,000	90.37	134.52	4328	-5491	4922	7374	0.00	0.00	0.00	
11,100	90.37	134.52	4327	-5561	4993	7474	0.00	0.00	0.00	
11,200	90.37	134.52	4326	-5631	5065	7574	0.00	0.00	0.00	
11,300	90.37	134.52	4326	-5701	5136	7673	0.00	0.00	0.00	
11,400	90.37	134.52	4325	-5772	5207	7773	0.00	0.00	0.00	
11,500	90.37	134.52	4324	-5842	5278	7873	0.00	0.00	0.00	
11,600	90.37	134.52	4324	-5912	5350	7973	0.00	0.00	0.00	
11,700	90.37	134.52	4323	-5982	5421	8073	0.00	0.00	0.00	
11,800	90.37	134.52	4322	-6052	5492	8173	0.00	0.00	0.00	
11,852	90.37	134.52	4322	-6088	5529	8225	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PU 126H Toe	0.00	0.00	4322	-6088	5529	1,906,148.78	2,731,636.11	36.23859682	-107.80435868
- plan hits target center									
- Circle (radius 100)									
PU 126H Heel	0.00	0.00	4368	-1117	474	1,911,119.12	2,726,580.00	36.25225369	-107.82150216
- plan hits target center									
- Circle (radius 50)									

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)		
380	380	Surface	9.62	12.25		
4710	4366	Intermediate	7.00	8.75		



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	I06 2309	North Reference:	True
Well:	Ponderosa I06 2309 Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
327	327	Ojo Alamo		0.00	0.00	
417	417	Kirtland		0.00	0.00	
646	646	Fruitland		0.00	0.00	
1077	1071	Pictured Cliffs		0.00	0.00	
1208	1199	Lewis		0.00	0.00	
1817	1794	Chacra		0.00	0.00	
2563	2522	Menefee		0.00	0.00	
3576	3511	Point Lookout		0.00	0.00	
3721	3652	Mancos		0.00	0.00	
4098	4018	Mancos Silt		0.00	0.00	



DJR Operating

Ponderosa Unit

I06 2309

Ponderosa I06 2309 Fed Com #126H

Original Drilling

APD Rev 1

Anticollision Report

08 August, 2023





Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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	8/8/2023		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0	11,852	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)	Separation Between Ellipses (ft)	Warning	
Offset Well - Wellbore - Design						
I06 2309						
Ponderosa I06 2309 Com #127H - Original Drilling - APD	425	425	20	17	7.085 CC	
Ponderosa I06 2309 Com #127H - Original Drilling - APD	500	500	20	17	6.052 ES	
Ponderosa I06 2309 Com #127H - Original Drilling - APD	11,253	11,465	705	391	2.244 SF	
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	425	425	20	18	7.318 CC	
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	1053	1049	22	15	3.040 ES	
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	4350	4389	115	72	2.679 SF	
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	425	425	40	37	14.242 CC	
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	500	501	40	37	12.102 ES	
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	800	802	51	46	9.452 SF	

Offset Design:		I06 2309 - Ponderosa I06 2309 Com #127H - Original Drilling - APD Rev 1											Offset Site Error:		0 ft	
Survey Program:		0-MWD+IGRF						Rule Assigned:						Offset Well Error:		0 ft
Reference	Offset	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance						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)	Minimum Separation (ft)	Separation Factor				
0	0	0	0	0	0	-16.18	19	-6	20							
100	100	100	100	0	0	-16.18	19	-6	20	19	0.46	42.787				
200	200	200	200	1	1	-16.18	19	-6	20	19	1.18	16.777				
300	300	300	300	1	1	-16.18	19	-6	20	18	1.90	10.434				
400	400	400	400	1	1	-16.18	19	-6	20	17	2.61	7.571				
425	425	425	425	1	1	-16.18	19	-6	20	17	2.79	7.085 CC				
500	500	500	500	2	2	176.39	18	-5	20	17	3.31	6.052 ES				
600	600	601	601	2	2	-174.84	16	-1	21	17	3.98	5.375				
700	700	701	701	2	2	-162.13	12	6	25	20	4.68	5.324				
800	799	801	800	3	3	-149.66	6	15	31	26	5.42	5.814				
900	898	900	898	3	3	-139.87	-3	27	41	35	6.20	6.681				
1000	996	999	996	4	3	-132.87	-12	43	55	48	7.04	7.756				
1053	1048	1052	1047	4	4	-130.04	-18	52	63	55	7.51	8.369				
1100	1094	1098	1092	4	4	-128.19	-24	60	71	63	7.93	8.886				
1200	1191	1197	1188	5	4	-125.34	-35	78	87	78	8.86	9.821				
1300	1289	1295	1284	5	5	-123.40	-47	95	104	94	9.82	10.568				
1400	1387	1394	1381	6	5	-122.00	-59	113	121	110	10.79	11.173				

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Com #127H - 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)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1500	1484	1492	1477	6	6	-120.94	-70	131	137	126	11.77	11.670	
1600	1582	1591	1573	7	6	-120.11	-82	149	154	141	12.76	12.083	
1700	1679	1689	1669	7	7	-119.44	-94	167	171	157	13.76	12.432	
1800	1777	1788	1766	8	8	-118.90	-105	184	188	173	14.77	12.729	
1900	1875	1886	1862	8	8	-118.44	-117	202	205	189	15.78	12.986	
2000	1972	1985	1958	9	9	-118.06	-128	220	222	205	16.79	13.208	
2100	2070	2083	2054	9	9	-117.72	-140	238	239	221	17.81	13.404	
2200	2168	2182	2150	10	10	-117.44	-152	255	256	237	18.83	13.576	
2300	2265	2281	2247	10	10	-117.18	-163	273	273	253	19.86	13.729	
2400	2363	2379	2343	11	11	-116.96	-175	291	290	269	20.88	13.867	
2500	2460	2478	2439	11	11	-116.77	-186	309	307	285	21.91	13.990	
2600	2558	2576	2535	12	12	-116.59	-198	326	324	301	22.94	14.102	
2700	2656	2675	2632	13	12	-116.43	-210	344	340	316	23.97	14.203	
2800	2753	2773	2728	13	13	-116.28	-221	362	357	332	25.00	14.295	
2900	2851	2872	2824	14	13	-116.15	-233	380	374	348	26.04	14.380	
3000	2948	2970	2920	14	14	-116.03	-244	397	391	364	27.07	14.457	
3100	3046	3069	3017	15	14	-115.92	-256	415	408	380	28.10	14.529	
3200	3144	3167	3113	15	15	-115.82	-268	433	425	396	29.14	14.595	
3300	3241	3266	3209	16	16	-115.73	-279	451	442	412	30.18	14.657	
3400	3339	3365	3305	16	16	-115.64	-291	469	459	428	31.21	14.714	
3500	3436	3463	3402	17	17	-115.56	-303	486	476	444	32.25	14.767	
3600	3534	3562	3498	17	17	-115.49	-314	504	493	460	33.29	14.817	
3700	3632	3660	3594	18	18	-115.42	-326	522	510	476	34.32	14.863	
3800	3729	3759	3690	19	18	-115.35	-337	540	527	492	35.36	14.907	
3900	3827	3857	3786	19	19	-115.29	-349	557	544	508	36.40	14.948	
3999	3923	3955	3882	20	19	-115.24	-360	575	561	523	37.43	14.986	
4000	3924	3956	3883	20	19	-114.88	-361	575	561	524	37.44	14.986	
4050	3973	4005	3931	20	20	-104.30	-366	584	569	531	37.98	14.984	
4100	4020	4054	3979	20	20	-98.55	-372	593	576	538	38.57	14.942	
4150	4065	4102	4026	21	20	-95.39	-378	602	583	544	39.20	14.870	
4200	4109	4150	4072	21	20	-93.80	-383	610	589	549	39.85	14.775	
4250	4150	4196	4117	22	21	-93.24	-389	618	594	554	40.52	14.671	
4300	4188	4240	4160	22	21	-93.36	-394	626	600	559	41.19	14.570	
4350	4224	4281	4201	23	21	-93.92	-399	634	606	564	41.85	14.488	
4400	4256	4320	4239	23	21	-94.73	-404	641	613	571	42.47	14.440	
4450	4284	4357	4274	24	21	-95.59	-408	647	622	579	43.05	14.440	
4500	4309	4390	4306	25	22	-96.35	-412	653	632	588	43.56	14.502	
4550	4329	4428	4344	25	22	-97.50	-417	661	644	600	44.10	14.595	
4600	4345	4473	4386	26	22	-98.99	-425	672	657	613	44.71	14.701	
4650	4357	4523	4432	27	23	-100.70	-437	687	672	627	45.38	14.816	
4700	4365	4580	4483	28	23	-102.76	-455	708	689	643	46.13	14.929	
4750	4368	4650	4540	29	24	-105.39	-481	738	706	659	47.00	15.018	
4762	4368	4668	4554	29	24	-106.11	-489	746	710	663	47.23	15.030	
4800	4368	4740	4606	30	25	-110.24	-523	784	723	675	48.14	15.016	
4804	4368	4750	4612	30	25	-110.74	-528	789	724	676	48.27	15.007	
4900	4367	5041	4736	31	30	-119.75	-707	976	746	693	52.91	14.105	
4918	4367	5085	4742	32	31	-120.15	-737	1007	747	693	53.89	13.866	
5000	4366	5217	4745	33	33	-120.42	-831	1101	747	689	57.58	12.973	
5021	4366	5238	4744	34	34	-120.43	-846	1116	747	688	58.33	12.802	
5100	4366	5317	4744	35	35	-120.45	-901	1171	746	685	61.12	12.210	
5121	4366	5338	4744	36	36	-120.46	-916	1187	746	684	61.90	12.053	

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Com #127H - 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		Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (ft)	Vertical Depth (ft)	Reference Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)	
5200	4365	5417	4743	37	37	-120.49	-972	1242	746	681	64.76	11.513
5221	4365	5438	4743	38	38	-120.49	-987	1257	745	680	65.56	11.370
5300	4364	5517	4743	40	39	-120.52	-1043	1313	745	676	68.48	10.877
5321	4364	5538	4743	40	40	-120.52	-1058	1328	745	675	69.30	10.748
5400	4364	5617	4742	42	42	-120.55	-1113	1384	744	672	72.27	10.298
5421	4364	5638	4742	42	42	-120.56	-1128	1399	744	671	73.10	10.180
5500	4363	5717	4741	44	44	-120.58	-1184	1454	744	667	76.11	9.769
5521	4363	5738	4741	44	44	-120.59	-1199	1470	743	666	76.95	9.661
5600	4363	5817	4741	46	46	-120.61	-1255	1525	743	663	80.00	9.286
5621	4362	5838	4741	47	46	-120.62	-1270	1540	743	662	80.85	9.187
5700	4362	5917	4740	48	48	-120.65	-1325	1596	742	658	83.94	8.843
5721	4362	5938	4740	49	49	-120.65	-1340	1611	742	657	84.79	8.752
5800	4361	6017	4740	51	50	-120.68	-1396	1667	742	654	87.90	8.436
5821	4361	6038	4739	51	51	-120.69	-1411	1682	741	653	88.76	8.353
5900	4361	6117	4739	53	53	-120.71	-1467	1737	741	649	91.90	8.062
5921	4360	6138	4739	53	53	-120.72	-1482	1753	741	648	92.76	7.985
6000	4360	6217	4738	55	55	-120.74	-1537	1808	740	644	95.92	7.717
6021	4360	6238	4738	56	56	-120.75	-1552	1823	740	643	96.79	7.646
6100	4359	6317	4738	58	57	-120.77	-1608	1879	740	640	99.96	7.398
6121	4359	6338	4738	58	58	-120.78	-1623	1894	739	639	100.84	7.332
6200	4359	6417	4737	60	60	-120.81	-1679	1950	739	635	104.03	7.102
6221	4359	6438	4737	60	60	-120.81	-1694	1965	739	634	104.90	7.042
6300	4358	6517	4736	62	62	-120.84	-1749	2020	738	630	108.11	6.828
6321	4358	6538	4736	63	63	-120.85	-1764	2035	738	629	108.99	6.772
6400	4357	6617	4736	65	64	-120.87	-1820	2091	738	625	112.20	6.573
6421	4357	6638	4736	65	65	-120.88	-1835	2106	737	624	113.09	6.520
6500	4357	6717	4735	67	67	-120.90	-1891	2162	737	621	116.31	6.335
6521	4357	6738	4735	68	67	-120.91	-1906	2177	737	619	117.20	6.286
6600	4356	6817	4734	69	69	-120.94	-1961	2233	736	616	120.43	6.113
6621	4356	6838	4734	70	70	-120.94	-1976	2248	736	615	121.32	6.067
6700	4355	6917	4734	72	72	-120.97	-2032	2303	735	611	124.56	5.905
6721	4355	6938	4734	72	72	-120.98	-2047	2318	735	610	125.45	5.862
6800	4355	7017	4733	74	74	-121.00	-2103	2374	735	606	128.70	5.710
6821	4355	7038	4733	75	74	-121.01	-2118	2389	735	605	129.59	5.669
6900	4354	7117	4733	77	76	-121.04	-2173	2445	734	601	132.84	5.526
6921	4354	7138	4732	77	77	-121.04	-2188	2460	734	600	133.73	5.488
7000	4353	7217	4732	79	79	-121.07	-2244	2516	733	596	136.99	5.354
7021	4353	7238	4732	79	79	-121.08	-2259	2531	733	595	137.89	5.318
7100	4353	7317	4731	81	81	-121.10	-2315	2586	733	592	141.15	5.192
7121	4353	7338	4731	82	82	-121.11	-2330	2601	733	591	142.05	5.158
7200	4352	7417	4731	84	83	-121.13	-2385	2657	732	587	145.31	5.038
7221	4352	7438	4731	84	84	-121.14	-2400	2672	732	586	146.21	5.006
7300	4352	7517	4730	86	86	-121.17	-2456	2728	731	582	149.48	4.893
7321	4351	7538	4730	87	86	-121.17	-2471	2743	731	581	150.38	4.863
7400	4351	7617	4729	89	88	-121.20	-2527	2798	731	577	153.65	4.756
7421	4351	7638	4729	89	89	-121.21	-2542	2814	731	576	154.55	4.728
7500	4350	7717	4729	91	91	-121.23	-2597	2869	730	572	157.83	4.626
7521	4350	7738	4729	92	91	-121.24	-2612	2884	730	571	158.72	4.599
7600	4350	7817	4728	93	93	-121.27	-2668	2940	729	567	162.00	4.503
7621	4349	7838	4728	94	94	-121.27	-2683	2955	729	566	162.90	4.477
7700	4349	7917	4727	96	96	-121.30	-2739	3011	729	563	166.18	4.385

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Com #127H - 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 (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	Warning
7721	4349	7938	4727	96	96	-121.31	-2754	3026	729	562	167.08	4.361	
7800	4348	8017	4727	98	98	-121.33	-2809	3081	728	558	170.36	4.274	
7821	4348	8038	4727	99	99	-121.34	-2824	3097	728	557	171.26	4.251	
7900	4348	8117	4726	101	100	-121.37	-2880	3152	727	553	174.54	4.168	
7921	4347	8138	4726	101	101	-121.37	-2895	3167	727	552	175.44	4.145	
8000	4347	8217	4726	103	103	-121.40	-2951	3223	727	548	178.73	4.066	
8021	4347	8238	4725	104	103	-121.41	-2966	3238	727	547	179.63	4.045	
8100	4346	8317	4725	106	105	-121.43	-3021	3294	726	543	182.91	3.970	
8121	4346	8338	4725	106	106	-121.44	-3036	3309	726	542	183.81	3.949	
8200	4346	8417	4724	108	108	-121.47	-3092	3364	725	538	187.10	3.877	
8221	4346	8438	4724	109	108	-121.48	-3107	3380	725	537	188.00	3.858	
8300	4345	8517	4724	111	110	-121.50	-3163	3435	725	533	191.28	3.789	
8321	4345	8538	4724	111	111	-121.51	-3178	3450	725	532	192.18	3.770	
8400	4344	8617	4723	113	113	-121.54	-3233	3506	724	529	195.47	3.704	
8421	4344	8638	4723	114	113	-121.54	-3248	3521	724	528	196.37	3.687	
8500	4344	8717	4722	115	115	-121.57	-3304	3577	723	524	199.65	3.623	
8521	4344	8738	4722	116	116	-121.58	-3319	3592	723	523	200.55	3.606	
8600	4343	8817	4722	118	118	-121.60	-3375	3647	723	519	203.84	3.546	
8621	4343	8838	4722	118	118	-121.61	-3390	3663	723	518	204.74	3.529	
8700	4342	8917	4721	120	120	-121.64	-3445	3718	722	514	208.02	3.471	
8721	4342	8938	4721	121	121	-121.64	-3460	3733	722	513	208.92	3.456	
8800	4342	9017	4721	123	122	-121.67	-3516	3789	721	509	212.21	3.400	
8821	4342	9038	4720	123	123	-121.68	-3531	3804	721	508	213.11	3.385	
8900	4341	9117	4720	125	125	-121.71	-3587	3860	721	504	216.39	3.331	
8921	4341	9138	4720	126	125	-121.71	-3602	3875	721	503	217.29	3.316	
9000	4340	9217	4719	128	127	-121.74	-3657	3930	720	500	220.58	3.265	
9021	4340	9238	4719	128	128	-121.75	-3672	3946	720	498	221.47	3.251	
9100	4340	9317	4719	130	130	-121.77	-3728	4001	719	495	224.76	3.201	
9121	4340	9338	4718	131	130	-121.78	-3743	4016	719	494	225.66	3.188	
9200	4339	9417	4718	133	132	-121.81	-3799	4072	719	490	228.94	3.140	
9221	4339	9438	4718	133	133	-121.81	-3814	4087	719	489	229.84	3.127	
9300	4339	9517	4717	135	135	-121.84	-3869	4143	718	485	233.12	3.080	
9321	4338	9538	4717	136	135	-121.85	-3885	4158	718	484	234.02	3.068	
9400	4338	9617	4717	138	137	-121.88	-3940	4213	717	480	237.30	3.023	
9421	4338	9638	4717	138	138	-121.88	-3955	4229	717	479	238.19	3.011	
9500	4337	9717	4716	140	140	-121.91	-4011	4284	717	475	241.47	2.968	
9521	4337	9738	4716	141	140	-121.92	-4026	4299	717	474	242.37	2.957	
9600	4337	9817	4715	143	142	-121.95	-4081	4355	716	470	245.65	2.915	
9621	4336	9838	4715	143	143	-121.95	-4097	4370	716	469	246.55	2.904	
9700	4336	9917	4715	145	145	-121.98	-4152	4426	715	466	249.82	2.864	
9721	4336	9938	4715	146	145	-121.99	-4167	4441	715	465	250.72	2.853	
9800	4335	10,017	4714	147	147	-122.01	-4223	4496	715	461	254.00	2.814	
9821	4335	10,038	4714	148	148	-122.02	-4238	4512	715	460	254.89	2.804	
9900	4335	10,117	4714	150	149	-122.05	-4293	4567	714	456	258.17	2.766	
9921	4335	10,138	4713	150	150	-122.06	-4309	4582	714	455	259.06	2.756	
10,000	4334	10,217	4713	152	152	-122.08	-4364	4638	713	451	262.34	2.720	
10,021	4334	10,238	4713	153	152	-122.09	-4379	4653	713	450	263.23	2.710	
10,100	4333	10,317	4712	155	154	-122.12	-4435	4709	713	446	266.50	2.675	
10,121	4333	10,338	4712	155	155	-122.13	-4450	4724	713	445	267.40	2.665	
10,200	4333	10,417	4712	157	157	-122.15	-4505	4779	712	441	270.67	2.631	
10,221	4333	10,438	4711	158	157	-122.16	-4521	4794	712	440	271.56	2.622	

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Com #127H - Original Drilling - APD Rev 1												Offset Site Error: 0 ft	
Survey Program: 0-MWD+IGRF				Rule Assigned:								Offset Well Error: 0 ft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			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	
10,300	4332	10,517	4711	160	159	-122.19	-4576	4850	711	437	274.83	2.589	
10,321	4332	10,538	4711	160	160	-122.20	-4591	4865	711	436	275.72	2.580	
10,400	4331	10,617	4710	162	162	-122.22	-4647	4921	711	432	278.99	2.548	
10,421	4331	10,638	4710	163	162	-122.23	-4662	4936	711	431	279.88	2.539	
10,500	4331	10,717	4710	165	164	-122.26	-4717	4992	710	427	283.15	2.508	
10,521	4331	10,738	4710	165	165	-122.27	-4733	5007	710	426	284.04	2.500	
10,600	4330	10,817	4709	167	167	-122.29	-4788	5062	709	422	287.31	2.469	
10,621	4330	10,838	4709	168	167	-122.30	-4803	5077	709	421	288.20	2.461	
10,700	4329	10,917	4708	170	169	-122.33	-4859	5133	709	417	291.46	2.432	
10,721	4329	10,938	4708	170	170	-122.34	-4874	5148	709	416	292.35	2.424	
10,800	4329	11,017	4708	172	172	-122.36	-4929	5204	708	413	295.61	2.396	
10,821	4329	11,038	4708	173	172	-122.37	-4945	5219	708	411	296.50	2.388	
10,900	4328	11,117	4707	175	174	-122.40	-5000	5275	707	408	299.76	2.360	
10,921	4328	11,138	4707	175	175	-122.41	-5015	5290	707	407	300.65	2.353	
11,000	4328	11,217	4707	177	177	-122.43	-5071	5345	707	403	303.91	2.326	
11,021	4327	11,238	4706	178	177	-122.44	-5086	5360	707	402	304.80	2.319	
11,100	4327	11,317	4706	180	179	-122.47	-5141	5416	706	398	308.05	2.292	
11,121	4327	11,338	4706	180	180	-122.48	-5157	5431	706	397	308.94	2.285	
11,200	4326	11,417	4705	182	181	-122.51	-5212	5487	705	393	312.19	2.260	
11,253	4326	11,465	4705	183	183	-122.52	-5246	5521	705	391	314.27	2.244 SF	
11,300	4326	11,465	4705	185	183	-122.52	-5246	5521	707	392	314.38	2.248	
11,304	4326	11,465	4705	185	183	-122.52	-5246	5521	707	393	314.32	2.249	
11,400	4325	11,465	4705	187	183	-122.52	-5246	5521	720	410	310.19	2.322	
11,404	4325	11,465	4705	187	183	-122.52	-5246	5521	721	411	309.87	2.328	
11,500	4324	11,465	4705	189	183	-122.52	-5246	5521	747	446	300.83	2.484	
11,504	4324	11,465	4705	190	183	-122.52	-5246	5521	749	448	300.31	2.493	
11,600	4324	11,465	4705	192	183	-122.52	-5246	5521	786	498	287.80	2.731	
11,604	4324	11,465	4705	192	183	-122.52	-5246	5521	788	501	287.15	2.744	
11,700	4323	11,465	4705	194	183	-122.52	-5246	5521	835	562	272.70	3.062	
11,800	4322	11,465	4705	197	183	-122.52	-5246	5521	893	636	256.87	3.475	
11,852	4322	11,465	4705	198	183	-122.52	-5246	5521	925	677	248.68	3.721	

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #125H - 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		Offset Wellbore Centre		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 (ft)			
0	0	0	0	0	0	161.06	-19	7	20					
100	100	100	100	0	0	161.06	-19	7	20	20	0.46	44.193		
200	200	200	200	1	1	161.06	-19	7	20	19	1.18	17.328		
300	300	300	300	1	1	161.06	-19	7	20	19	1.90	10.777		
400	400	400	400	1	1	161.06	-19	7	20	18	2.61	7.820		
425	425	425	425	1	1	161.06	-19	7	20	18	2.79	7.318 CC		
500	500	499	499	2	2	-8.77	-20	7	20	17	3.30	6.188		
600	600	599	599	2	2	-9.98	-24	8	20	16	3.96	5.160		
700	700	698	698	2	2	-12.16	-32	10	21	16	4.64	4.423		
800	799	797	796	3	3	-15.26	-43	13	21	15	5.32	3.880		
900	898	897	894	3	3	-19.24	-57	17	21	15	6.02	3.475		
1000	996	996	992	4	3	-23.98	-74	22	21	15	6.74	3.171		
1053	1048	1049	1044	4	4	-26.76	-84	25	22	15	7.15	3.040 ES		
1100	1094	1095	1089	4	4	-28.84	-94	28	22	15	7.51	2.989		
1200	1191	1194	1185	5	4	-30.35	-118	35	26	18	8.29	3.178		
1300	1289	1293	1280	5	5	-28.89	-145	43	33	24	9.04	3.692		
1400	1387	1392	1373	6	6	-26.27	-174	52	44	34	9.78	4.459		
1500	1484	1491	1467	6	6	-24.22	-205	61	55	44	10.56	5.205		
1600	1582	1590	1561	7	7	-22.88	-236	70	66	55	11.35	5.846		
1700	1679	1690	1655	7	8	-21.93	-268	79	78	66	12.15	6.401		
1800	1777	1789	1749	8	8	-21.22	-299	88	89	76	12.96	6.885		
1900	1875	1888	1843	8	9	-20.68	-330	97	101	87	13.77	7.311		
2000	1972	1988	1937	9	10	-20.25	-361	106	112	98	14.59	7.687		
2100	2070	2087	2031	9	10	-19.89	-392	115	124	108	15.41	8.023		
2200	2168	2186	2125	10	11	-19.60	-423	124	135	119	16.23	8.323		
2300	2265	2286	2219	10	12	-19.35	-454	133	147	130	17.06	8.594		
2400	2363	2385	2313	11	12	-19.14	-485	142	158	140	17.88	8.839		
2500	2460	2484	2407	11	13	-18.96	-516	151	170	151	18.71	9.062		
2600	2558	2584	2501	12	14	-18.80	-547	160	181	161	19.54	9.265		
2700	2656	2683	2595	13	15	-18.66	-578	169	192	172	20.37	9.451		
2800	2753	2782	2688	13	15	-18.53	-609	178	204	183	21.20	9.623		
2900	2851	2882	2782	14	16	-18.42	-640	187	215	193	22.03	9.781		
3000	2948	2981	2876	14	17	-18.32	-671	196	227	204	22.86	9.927		
3100	3046	3080	2970	15	17	-18.23	-702	205	238	215	23.70	10.063		
3200	3144	3180	3064	15	18	-18.15	-733	214	250	225	24.53	10.189		
3300	3241	3279	3158	16	19	-18.07	-764	223	261	236	25.36	10.306		
3400	3339	3378	3252	16	19	-18.01	-795	232	273	247	26.20	10.416		
3500	3436	3478	3346	17	20	-17.94	-826	241	284	257	27.03	10.519		
3600	3534	3577	3440	17	21	-17.88	-857	250	296	268	27.87	10.616		
3700	3632	3676	3534	18	22	-17.83	-888	259	307	279	28.71	10.707		
3800	3729	3776	3628	19	22	-17.78	-919	268	319	289	29.54	10.793		
3900	3827	3935	3781	19	23	-17.19	-962	275	326	296	30.60	10.661		
3999	3923	4146	3987	20	24	-12.16	-971	238	301	273	28.68	10.504		
4000	3924	4148	3989	20	24	-11.71	-971	237	301	272	28.64	10.500		
4050	3973	4230	4064	20	24	4.83	-958	208	275	248	27.11	10.149		
4100	4020	4290	4116	20	24	20.73	-944	182	242	216	26.17	9.261		
4150	4065	4332	4151	21	23	38.04	-931	162	206	180	26.40	7.807		
4200	4109	4360	4173	21	23	55.26	-921	147	170	141	28.40	5.977		
4250	4150	4377	4186	22	23	68.94	-915	138	138	105	32.86	4.193		
4300	4188	4386	4192	22	23	77.10	-911	133	117	78	39.13	2.989		
4329	4209	4389	4194	22	23	79.29	-910	132	113	71	42.02	2.696		

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #125H - Original Drilling - APD Rev 1													Offset Site Error: 0 ft	
Survey Program: Reference		0-MWD+IGRF Offset		Semi Major Axis		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)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4350	4224	4389	4195	23	23	79.77	-910	132	115	72	42.99	2.679 SF		
4400	4256	4388	4194	23	23	77.61	-910	133	133	92	41.86	3.189		
4450	4284	4383	4190	24	23	71.34	-912	135	165	126	38.90	4.246		
4500	4309	4375	4184	25	23	62.03	-915	140	204	167	36.41	5.592		
4550	4329	4365	4176	25	23	51.36	-919	145	245	210	34.74	7.052		
4600	4345	4350	4165	26	23	40.29	-925	153	287	254	33.49	8.586		
4650	4357	4340	4157	27	23	32.37	-928	158	330	297	33.18	9.946		
4700	4365	4325	4145	28	23	25.42	-933	165	372	339	32.94	11.289		
4750	4368	4300	4125	29	24	19.13	-941	177	413	381	32.35	12.766		
4762	4368	4300	4125	29	24	18.43	-941	177	422	390	32.59	12.955		
4800	4368	4300	4125	30	24	18.43	-941	177	453	420	33.33	13.594		
4900	4367	4267	4096	31	24	15.86	-950	193	536	503	33.32	16.093		
5000	4366	4250	4082	33	24	14.70	-954	200	622	588	33.85	18.383		
5100	4366	4223	4058	35	24	13.01	-960	211	711	677	33.87	20.978		
5200	4365	4200	4037	37	24	11.70	-964	219	801	767	33.95	23.586		
5300	4364	4200	4037	40	24	11.70	-964	219	892	858	34.57	25.812		
5400	4364	4177	4016	42	24	10.53	-968	228	985	950	34.52	28.526		
5500	4363	4150	3991	44	24	9.26	-971	236	1079	1044	34.36	31.396		
5600	4363	4150	3991	46	24	9.26	-971	236	1173	1138	34.74	33.756		
5700	4362	4150	3991	48	24	9.26	-971	236	1268	1232	35.05	36.165		
5800	4361	4150	3991	51	24	9.26	-971	236	1363	1328	35.30	38.612		
5900	4361	4130	3971	53	24	8.41	-973	242	1459	1424	35.20	41.446		
6000	4360	4123	3965	55	24	8.13	-973	244	1555	1520	35.30	44.059		
6100	4359	4100	3943	58	24	7.27	-974	251	1652	1617	35.15	47.008		
6200	4359	4100	3943	60	24	7.27	-974	251	1749	1714	35.32	49.513		
6300	4358	4100	3943	62	24	7.27	-974	251	1846	1810	35.48	52.034		
6400	4357	4100	3943	65	24	7.27	-974	251	1943	1908	35.61	54.566		
6500	4357	4100	3943	67	24	7.27	-974	251	2041	2005	35.74	57.107		
6600	4356	4100	3943	69	24	7.27	-974	251	2139	2103	35.85	59.655		
6700	4355	4100	3943	72	24	7.27	-974	251	2237	2201	35.96	62.208		
6800	4355	4100	3943	74	24	7.27	-974	251	2335	2299	36.05	64.765		
6900	4354	4100	3943	77	24	7.27	-974	251	2433	2397	36.15	67.324		
7000	4353	4078	3921	79	24	6.51	-975	256	2531	2495	35.99	70.327		
7100	4353	4075	3919	81	24	6.41	-975	256	2630	2594	36.05	72.951		
7200	4352	4072	3916	84	24	6.32	-975	257	2728	2692	36.10	75.571		
7300	4352	4050	3894	86	24	5.62	-974	262	2827	2791	35.96	78.633		
7400	4351	4050	3894	89	24	5.62	-974	262	2926	2890	36.04	81.193		
7500	4350	4050	3894	91	24	5.62	-974	262	3025	2989	36.12	83.752		
7600	4350	4050	3894	93	24	5.62	-974	262	3124	3087	36.19	86.308		
7700	4349	4050	3894	96	24	5.62	-974	262	3222	3186	36.26	88.862		
7800	4348	4050	3894	98	24	5.62	-974	262	3321	3285	36.33	91.412		
7900	4348	4050	3894	101	24	5.62	-974	262	3420	3384	36.40	93.959		
8000	4347	4050	3894	103	24	5.62	-974	262	3519	3483	36.47	96.501		
8100	4346	4050	3894	106	24	5.62	-974	262	3618	3582	36.54	99.039		
8200	4346	4050	3894	108	24	5.62	-974	262	3718	3681	36.60	101.572		
8300	4345	4050	3894	111	24	5.62	-974	262	3817	3780	36.66	104.100		
8400	4344	4050	3894	113	24	5.62	-974	262	3916	3879	36.73	106.622		
8500	4344	4050	3894	115	24	5.62	-974	262	4015	3979	36.79	109.138		
8600	4343	4050	3894	118	24	5.62	-974	262	4115	4078	36.85	111.648		
8700	4342	4050	3894	120	24	5.62	-974	262	4214	4177	36.92	114.152		
8800	4342	4050	3894	123	24	5.62	-974	262	4313	4276	36.98	116.650		

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #125H - Original Drilling - APD Rev 1													Offset Site Error: 0 ft		
Survey Program: Reference		0-MWD+IGRF Offset		Semi Major Axis		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)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8900	4341	4050	3894	125	24	5.62	-974	262	4413	4376	37.04	119.140			
9000	4340	4050	3894	128	24	5.62	-974	262	4512	4475	37.10	121.623			
9100	4340	4050	3894	130	24	5.62	-974	262	4612	4574	37.16	124.100			
9200	4339	4050	3894	133	24	5.62	-974	262	4711	4674	37.22	126.569			
9300	4339	4050	3894	135	24	5.62	-974	262	4811	4773	37.28	129.030			
9400	4338	4050	3894	138	24	5.62	-974	262	4910	4873	37.34	131.484			
9500	4337	4050	3894	140	24	5.62	-974	262	5010	4972	37.40	133.929			
9600	4337	4050	3894	143	24	5.62	-974	262	5109	5072	37.47	136.367			
9700	4336	4050	3894	145	24	5.62	-974	262	5209	5171	37.53	138.797			
9800	4335	4050	3894	147	24	5.62	-974	262	5308	5271	37.59	141.218			
9900	4335	4050	3894	150	24	5.62	-974	262	5408	5370	37.65	143.631			
10,000	4334	4050	3894	152	24	5.62	-974	262	5508	5470	37.71	146.036			
10,100	4333	4050	3894	155	24	5.62	-974	262	5607	5569	37.78	148.432			
10,200	4333	4050	3894	157	24	5.62	-974	262	5707	5669	37.84	150.819			
10,300	4332	4050	3894	160	24	5.62	-974	262	5806	5769	37.90	153.197			
10,400	4331	4050	3894	162	24	5.62	-974	262	5906	5868	37.97	155.566			
10,500	4331	4050	3894	165	24	5.62	-974	262	6006	5968	38.03	157.927			
10,600	4330	4050	3894	167	24	5.62	-974	262	6105	6067	38.09	160.278			
10,700	4329	4026	3871	170	24	4.94	-973	266	6205	6167	37.98	163.360			
10,800	4329	4026	3870	172	24	4.93	-973	266	6304	6266	38.04	165.718			
10,900	4328	4025	3870	175	24	4.91	-973	266	6404	6366	38.10	168.066			
11,000	4328	4025	3869	177	24	4.89	-973	266	6504	6466	38.17	170.405			
11,100	4327	4024	3869	180	24	4.88	-973	266	6603	6565	38.23	172.733			
11,200	4326	4024	3868	182	24	4.86	-973	266	6703	6665	38.29	175.052			
11,300	4326	4000	3845	185	24	4.25	-971	270	6803	6765	38.19	178.149			
11,400	4325	4000	3845	187	24	4.25	-971	270	6903	6865	38.26	180.435			
11,500	4324	4000	3845	189	24	4.25	-971	270	7003	6964	38.33	182.711			
11,600	4324	4000	3845	192	24	4.25	-971	270	7102	7064	38.40	184.977			
11,700	4323	4000	3845	194	24	4.25	-971	270	7202	7164	38.47	187.234			
11,800	4322	4000	3845	197	24	4.25	-971	270	7302	7263	38.54	189.480			
11,852	4322	4000	3845	198	24	4.25	-971	270	7354	7315	38.57	190.643			

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #128H - Original Drilling - APD Rev 1												Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF												Offset Well Error:	0 ft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Measured Depth (ft)	Depth (ft)	Measured Depth (ft)	Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation (ft)	Factor	
0	0	0	0	0	0	-16.23	38	-11	40				
100	100	100	100	0	0	-16.23	38	-11	40	39	0.46	86.005	
200	200	200	200	1	1	-16.23	38	-11	40	39	1.18	33.722	
300	300	300	300	1	1	-16.23	38	-11	40	38	1.90	20.973	
400	400	400	400	1	1	-16.23	38	-11	40	37	2.61	15.219	
425	425	425	425	1	1	-16.23	38	-11	40	37	2.79	14.242 CC	
500	500	501	501	2	2	175.39	38	-10	40	37	3.31	12.102 ES	
600	600	602	601	2	2	-179.63	36	-6	42	38	3.99	10.426	
700	700	702	702	2	2	-171.66	32	1	45	40	4.69	9.602	
800	799	802	801	3	3	-162.32	27	11	51	46	5.42	9.452 SF	
900	898	902	900	3	3	-154.42	20	23	61	55	6.18	9.876	
1000	996	1001	998	4	3	-150.06	14	35	75	68	6.97	10.715	
1053	1048	1053	1050	4	4	-148.82	11	41	83	76	7.40	11.253	
1100	1094	1099	1095	4	4	-148.13	8	47	91	83	7.78	11.725	
1200	1191	1198	1193	5	4	-146.99	1	59	108	100	8.60	12.585	
1300	1289	1296	1291	5	5	-146.17	-5	71	125	116	9.43	13.282	
1400	1387	1395	1388	6	5	-145.54	-11	83	142	132	10.27	13.854	
1500	1484	1493	1486	6	6	-145.04	-17	95	159	148	11.12	14.330	
1600	1582	1592	1583	7	6	-144.64	-24	107	176	164	11.97	14.733	
1700	1679	1690	1681	7	6	-144.32	-30	119	193	181	12.83	15.076	
1800	1777	1789	1779	8	7	-144.04	-36	131	211	197	13.69	15.373	
1900	1875	1887	1876	8	7	-143.81	-43	143	228	213	14.56	15.631	
2000	1972	1986	1974	9	8	-143.60	-49	154	245	229	15.43	15.857	
2100	2070	2085	2071	9	8	-143.43	-55	166	262	245	16.30	16.057	
2200	2168	2183	2169	10	9	-143.28	-61	178	279	262	17.18	16.235	
2300	2265	2282	2267	10	9	-143.14	-68	190	296	278	18.05	16.395	
2400	2363	2380	2364	11	9	-143.02	-74	202	313	294	18.93	16.538	
2500	2460	2479	2462	11	10	-142.91	-80	214	330	310	19.81	16.668	
2600	2558	2577	2559	12	10	-142.81	-87	226	347	327	20.69	16.786	
2700	2656	2676	2657	13	11	-142.73	-93	238	364	343	21.57	16.894	
2800	2753	2774	2754	13	11	-142.64	-99	250	381	359	22.45	16.992	
2900	2851	2873	2852	14	12	-142.57	-105	262	399	375	23.33	17.083	
3000	2948	2971	2950	14	12	-142.50	-112	274	416	391	24.21	17.166	
3100	3046	3070	3047	15	12	-142.44	-118	286	433	408	25.09	17.244	
3200	3144	3168	3145	15	13	-142.38	-124	298	450	424	25.98	17.315	
3300	3241	3267	3242	16	13	-142.33	-131	310	467	440	26.86	17.382	
3400	3339	3365	3340	16	14	-142.28	-137	322	484	456	27.75	17.444	
3500	3436	3464	3438	17	14	-142.23	-143	334	501	472	28.63	17.502	
3600	3534	3562	3535	17	15	-142.19	-150	346	518	489	29.52	17.557	
3700	3632	3661	3633	18	15	-142.15	-156	358	535	505	30.40	17.608	
3800	3729	3759	3730	19	16	-142.11	-162	370	552	521	31.29	17.656	
3900	3827	3858	3828	19	16	-142.08	-168	382	569	537	32.17	17.701	
3999	3923	3955	3924	20	16	-142.04	-175	394	586	553	33.05	17.743	
4000	3924	3957	3926	20	16	-141.69	-175	394	587	554	33.06	17.743	
4050	3973	4006	3974	20	17	-131.00	-178	400	596	562	33.50	17.782	
4100	4020	4054	4022	20	17	-124.89	-181	405	606	572	33.95	17.856	
4150	4065	4101	4069	21	17	-121.12	-184	411	618	584	34.39	17.969	
4200	4109	4147	4115	21	17	-118.66	-187	417	631	596	34.82	18.125	
4250	4150	4185	4152	22	17	-116.73	-189	421	646	611	35.17	18.365	
4300	4188	4212	4179	22	18	-114.87	-190	424	663	628	35.40	18.737	
4350	4224	4236	4203	23	18	-113.01	-190	425	683	648	35.56	19.220	

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #128H - 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 (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4400	4256	4250	4217	23	18	-110.53	-189	425	706	671	35.61	19.840	
4450	4284	4271	4238	24	18	-108.40	-188	425	732	696	35.69	20.514	
4500	4309	4284	4250	25	18	-105.37	-187	425	761	725	35.69	21.309	
4550	4329	4300	4267	25	18	-102.39	-186	424	791	756	35.73	22.145	
4600	4345	4300	4267	26	18	-97.63	-186	424	824	788	35.62	23.129	
4650	4357	4300	4267	27	18	-92.52	-186	424	858	823	35.52	24.157	
4700	4365	4300	4267	28	18	-87.17	-186	424	894	858	35.45	25.211	
4750	4368	4300	4267	29	18	-81.74	-186	424	930	895	35.39	26.274	
4762	4368	4300	4267	29	18	-80.47	-186	424	939	903	35.38	26.524	
4800	4368	4300	4267	30	18	-80.47	-186	424	967	932	35.36	27.346	
4900	4367	4300	4267	31	18	-80.47	-186	424	1044	1009	35.31	29.573	
5000	4366	4300	4267	33	18	-80.47	-186	424	1125	1090	35.26	31.902	
5100	4366	4300	4267	35	18	-80.47	-186	424	1209	1173	35.22	34.310	
5200	4365	4300	4267	37	18	-80.47	-186	424	1295	1259	35.19	36.782	
5300	4364	4282	4249	40	18	-78.89	-187	425	1382	1347	35.01	39.477	
5400	4364	4280	4247	42	18	-78.69	-188	425	1471	1436	34.97	42.069	
5500	4363	4278	4245	44	18	-78.50	-188	425	1562	1527	34.95	44.694	
5600	4363	4276	4243	46	18	-78.34	-188	425	1654	1619	34.93	47.344	
5700	4362	4274	4241	48	18	-78.19	-188	425	1746	1711	34.91	50.015	
5800	4361	4273	4239	51	18	-78.05	-188	425	1840	1805	34.90	52.704	
5900	4361	4271	4238	53	18	-77.92	-188	425	1934	1899	34.90	55.406	
6000	4360	4270	4237	55	18	-77.81	-188	425	2028	1993	34.90	58.119	
6100	4359	4250	4217	58	18	-76.08	-189	425	2124	2089	34.75	61.115	
6200	4359	4250	4217	60	18	-76.08	-189	425	2219	2184	34.76	63.833	
6300	4358	4250	4217	62	18	-76.08	-189	425	2315	2280	34.78	66.557	
6400	4357	4250	4217	65	18	-76.08	-189	425	2411	2376	34.80	69.285	
6500	4357	4250	4217	67	18	-76.08	-189	425	2508	2473	34.82	72.015	
6600	4356	4250	4217	69	18	-76.08	-189	425	2604	2569	34.84	74.748	
6700	4355	4250	4217	72	18	-76.08	-189	425	2701	2666	34.86	77.481	
6800	4355	4250	4217	74	18	-76.08	-189	425	2798	2764	34.89	80.214	
6900	4354	4250	4217	77	18	-76.08	-189	425	2896	2861	34.91	82.946	
7000	4353	4250	4217	79	18	-76.08	-189	425	2993	2958	34.94	85.676	
7100	4353	4250	4217	81	18	-76.08	-189	425	3091	3056	34.97	88.404	
7200	4352	4250	4217	84	18	-76.08	-189	425	3189	3154	34.99	91.129	
7300	4352	4250	4217	86	18	-76.08	-189	425	3287	3252	35.02	93.851	
7400	4351	4250	4217	89	18	-76.08	-189	425	3385	3350	35.05	96.568	
7500	4350	4250	4217	91	18	-76.08	-189	425	3483	3448	35.08	99.282	
7600	4350	4250	4217	93	18	-76.08	-189	425	3582	3546	35.12	101.990	
7700	4349	4250	4217	96	18	-76.08	-189	425	3680	3645	35.15	104.694	
7800	4348	4250	4217	98	18	-76.08	-189	425	3778	3743	35.18	107.392	
7900	4348	4250	4217	101	18	-76.08	-189	425	3877	3842	35.22	110.084	
8000	4347	4250	4217	103	18	-76.08	-189	425	3976	3940	35.25	112.771	
8100	4346	4250	4217	106	18	-76.08	-189	425	4074	4039	35.29	115.450	
8200	4346	4250	4217	108	18	-76.08	-189	425	4173	4138	35.33	118.124	
8300	4345	4250	4217	111	18	-76.08	-189	425	4272	4237	35.37	120.790	
8400	4344	4250	4217	113	18	-76.08	-189	425	4371	4335	35.41	123.449	
8500	4344	4250	4217	115	18	-76.08	-189	425	4470	4434	35.45	126.101	
8600	4343	4250	4217	118	18	-76.08	-189	425	4569	4533	35.49	128.745	
8700	4342	4250	4217	120	18	-76.08	-189	425	4668	4632	35.53	131.381	
8800	4342	4250	4217	123	18	-76.08	-189	425	4767	4731	35.57	134.010	
8900	4341	4250	4217	125	18	-76.08	-189	425	4866	4830	35.61	136.630	

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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: I06 2309 - Ponderosa I06 2309 Fed Com #128H - Original Drilling - APD Rev 1													Offset Site Error: 0 ft	
Survey Program: 0-MWD+IGRF				Offset					Rule Assigned:				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	
9000	4340	4250	4217	128	18	-76.08	-189	425	4965	4929	35.66	139.242		
9100	4340	4250	4217	130	18	-76.08	-189	425	5064	5028	35.70	141.845		
9200	4339	4250	4217	133	18	-76.08	-189	425	5163	5128	35.75	144.440		
9300	4339	4250	4217	135	18	-76.08	-189	425	5263	5227	35.79	147.026		
9400	4338	4250	4217	138	18	-76.08	-189	425	5362	5326	35.84	149.603		
9500	4337	4250	4217	140	18	-76.08	-189	425	5461	5425	35.89	152.171		
9600	4337	4250	4217	143	18	-76.08	-189	425	5560	5525	35.94	154.729		
9700	4336	4250	4217	145	18	-76.08	-189	425	5660	5624	35.99	157.278		
9800	4335	4250	4217	147	18	-76.08	-189	425	5759	5723	36.04	159.818		
9900	4335	4250	4217	150	18	-76.08	-189	425	5859	5822	36.09	162.348		
10,000	4334	4250	4217	152	18	-76.08	-189	425	5958	5922	36.14	164.869		
10,100	4333	4250	4217	155	18	-76.08	-189	425	6057	6021	36.19	167.379		
10,200	4333	4250	4217	157	18	-76.08	-189	425	6157	6121	36.24	169.880		
10,300	4332	4250	4217	160	18	-76.08	-189	425	6256	6220	36.30	172.371		
10,400	4331	4250	4217	162	18	-76.08	-189	425	6356	6319	36.35	174.851		
10,500	4331	4250	4217	165	18	-76.08	-189	425	6455	6419	36.40	177.322		
10,600	4330	4250	4217	167	18	-76.08	-189	425	6555	6518	36.46	179.782		
10,700	4329	4250	4217	170	18	-76.08	-189	425	6654	6618	36.52	182.232		
10,800	4329	4250	4217	172	18	-76.08	-189	425	6754	6717	36.57	184.671		
10,900	4328	4250	4217	175	18	-76.08	-189	425	6853	6817	36.63	187.100		
11,000	4328	4250	4217	177	18	-76.08	-189	425	6953	6916	36.69	189.519		
11,100	4327	4250	4217	180	18	-76.08	-189	425	7052	7016	36.75	191.926		
11,200	4326	4250	4217	182	18	-76.08	-189	425	7152	7115	36.80	194.324		
11,300	4326	4250	4217	185	18	-76.08	-189	425	7252	7215	36.86	196.710		
11,400	4325	4250	4217	187	18	-76.08	-189	425	7351	7314	36.92	199.086		
11,500	4324	4250	4217	189	18	-76.08	-189	425	7451	7414	36.99	201.451		
11,600	4324	4250	4217	192	18	-76.08	-189	425	7550	7513	37.05	203.805		
11,700	4323	4250	4217	194	18	-76.08	-189	425	7650	7613	37.11	206.148		
11,800	4322	4250	4217	197	18	-76.08	-189	425	7750	7713	37.17	208.480		
11,852	4322	4250	4217	198	18	-76.08	-189	425	7801	7764	37.21	209.687		

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



Lonestar Consulting, LLC

Anticollision Report

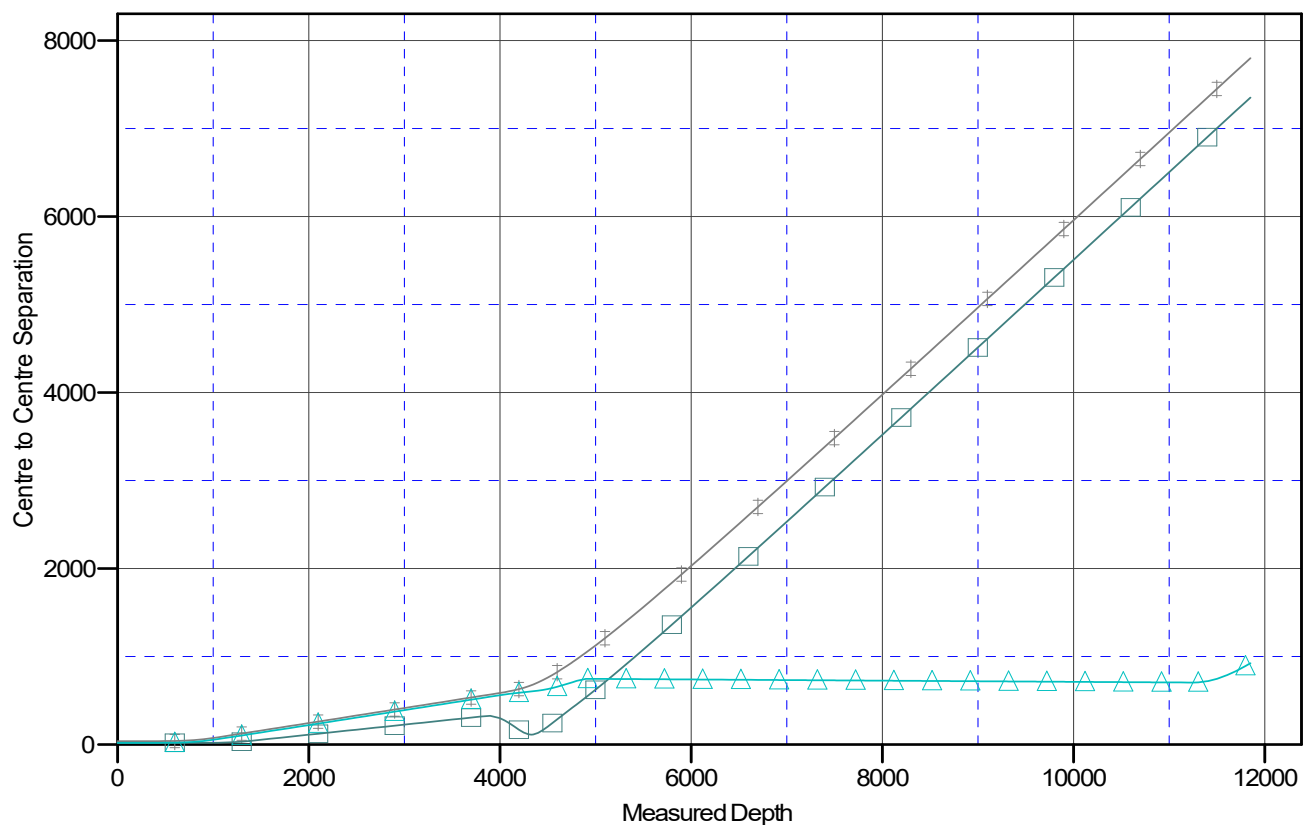


Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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 6692' & RKB 14' @ 6706ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.8333333

Coordinates are relative to: Ponderosa I06 2309 Fed Com #126H - Slot 2
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: 0.01°

Ladder Plot



LEGEND

Ponderosa I06 2309 Fed Com #126H Original Drilling, APD Rev 1 V0
 Ponderosa I06 2309 Fed Com #125H Original Drilling, APD Rev 1 V0
 Ponderosa I06 2309 Fed Com #127H Original Drilling, APD Rev 1 V0

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 Ponderosa I06 2309 Fed Com #126H - Slot 2
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Fed Com #126H	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 6692' & RKB 14' @ 6706ft

Offset Depths are relative to Offset Datum

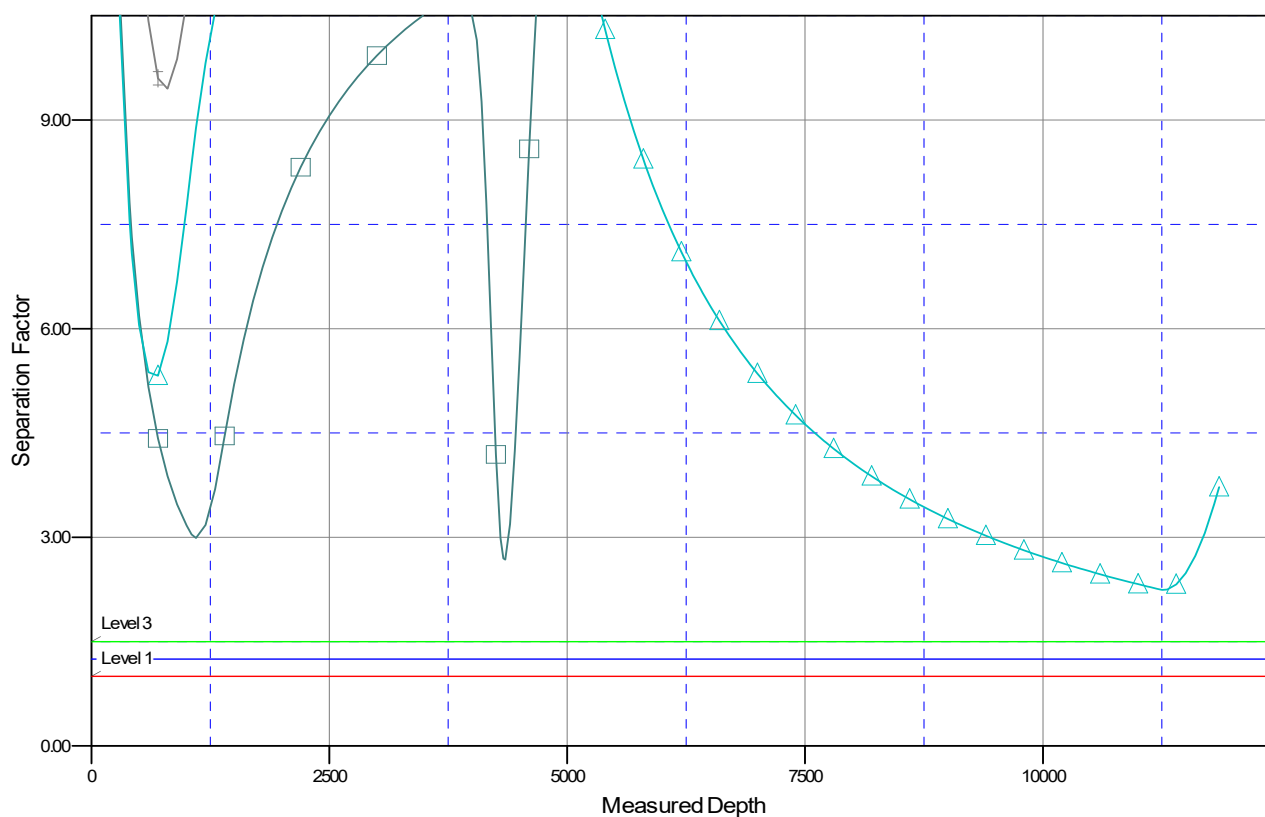
Central Meridian is -107.83333333

Coordinates are relative to: Ponderosa I06 2309 Fed Com #126H - Slot 2

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

Grid Convergence at Surface is: 0.01°

Separation Factor Plot



LEGEND

Ponderosa D6 2309 Fed Com #126H Original Drilling, APD Rev 1 V0
 Ponderosa D6 2309 Fed Com #125H Original Drilling, APD Rev 1 V0
 Ponderosa D6 2309 Com #127H Original Drilling, APD Rev 1 V0

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



United States Department of the Interior

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



In Reply Refer To:
3162.3-1(NMF0110)

* DJR OPERATING LLC
#126H PONDEROSA I06 2309 FEDERAL COM
Lease: NMNM137056 Agreement: TBD
SH: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 6, T. 24N., R. 9W.
San Juan County, New Mexico
BH: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 8, T. 23N., R. 9W.
San Juan County, New Mexico
***Above Data Required on Well Sign**

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

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

- A. ☒ Note all surface/drilling conditions of approval attached.
- B. ☒ The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated
- C. ☒ Test 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. Unless drilling operations are commenced within three years according to 43 CFR 3171.14, approval of the Application for Permit to Drill will expire. No extensions will be granted.

- L. 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.
- M. 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.
- N. **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.

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

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

CONDITIONS

Action 380937

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID:
	371838
	Action Number:
	380937
Action Type:	
[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)	

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Notify OCD 24 hours prior to casing & cement	9/16/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/16/2024
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	9/16/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	9/16/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	9/16/2024
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	9/16/2024
ward.rikala	This well can not be produced until operator is in compliance with Rule 5.9.	9/16/2024