

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. 30-045-38377
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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 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). | 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 an 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 / 2452 FSL / 566 FEL / TWSP: 23N / RANGE: 9W / SECTION: 6 / LAT: 36.255376 / LONG: -107.823128 (TVD: 0 feet, MD: 0 feet)

PPP: NWSW / 1653 FSL / 486 FWL / TWSP: 23N / RANGE: 9W / SECTION: 5 / LAT: 36.253185 / LONG: -107.819553 (TVD: 4743 feet, MD: 5092 feet)

PPP: NENW / 1 FNL / 2123 FWL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.248675 / LONG: -107.81398 (TVD: 4745 feet, MD: 11465 feet)

PPP: NWNW / 524 FNL / 2639 FEL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.24725 / LONG: -107.812219 (TVD: 4745 feet, MD: 11465 feet)

BHL: NESE / 2481 FSL / 335 FEL / TWSP: 23N / RANGE: 9W / SECTION: 8 / LAT: 36.240911 / LONG: -107.804387 (TVD: 4745 feet, MD: 11465 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 30-045-38377	Pool Code 5860	Pool Name BISTI S-GALLUP (O)
Property Code 336270 334695	Property Name PONDEROSA I06 2309 COM	Well Number 127H
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 1	Section 6	Township 23N	Range 9W	Lot	Feet from N/S 2452' SOUTH	Ft from E/W 566' EAST	Latitude 36.255376°N NAD83	Longitude 107.823128°W NAD83	County SAN JUAN
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Bottom Hole Location

UL 1	Section 8	Township 23N	Range 9W	Lot	Feet from N/S 2481' SOUTH	Ft from E/W 335' EAST	Latitude 36.240911°N NAD83	Longitude 107.804387°W NAD83	County SAN JUAN
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Dedicated Acres: SEC 5: NW/SW, S2/SW (120.00 AC.) SEC 8: NE/NW, NW/NE, S2/NE, NE/SE (200.00 AC.)= 320.00 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 L	Section 5	Township 23N	Range 9W	Lot	Feet from N/S 1653' SOUTH	Ft from E/W 486' WEST	Latitude 36.253185°N NAD83	Longitude 107.819553°W NAD83	County SAN JUAN
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First Take Point (FTP)

UL L	Section 5	Township 23N	Range 9W	Lot	Feet from N/S 1653' SOUTH	Ft from E/W 486' WEST	Latitude 36.253185°N NAD83	Longitude 107.819553°W NAD83	County SAN JUAN
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Last Take Point (LTP)

UL 1	Section 8	Township 23N	Range 9W	Lot	Feet from N/S 2481' SOUTH	Ft from E/W 335' EAST	Latitude 36.240911°N NAD83	Longitude 107.804387°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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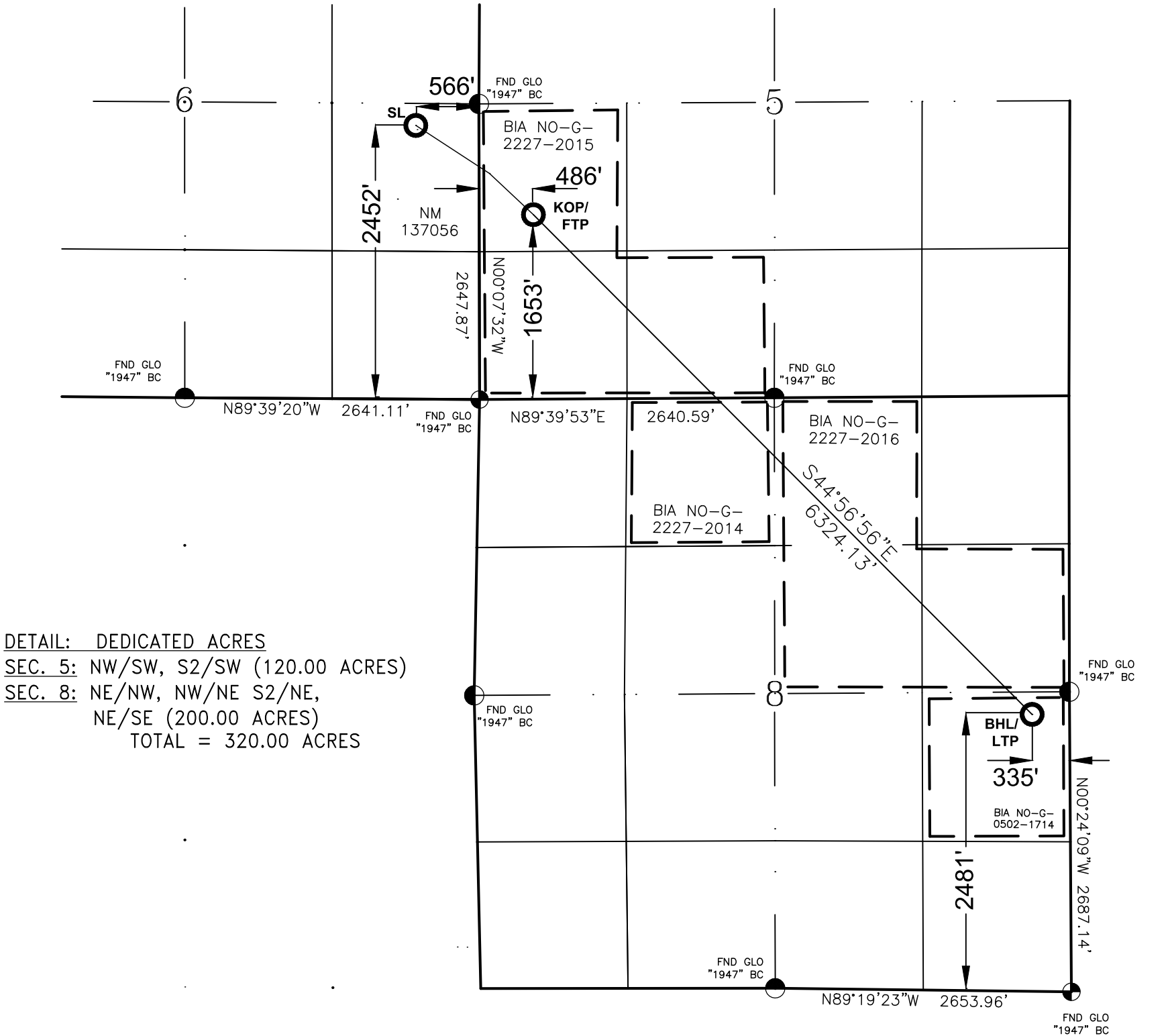
OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed 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 NEW MEXICO 15703 LICENSED PROFESSIONAL SURVEYOR GLEN W. RUSSELL Signature and Seal of Professional Surveyor: Certificate Number 15703 Date of Survey SEPTEMBER 2, 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 COM #127H

P I06 2309 C



SURFACE LOCATION (SL)
2452' FSL, 566' FEL
SEC. 6, T23N, R9W
LAT: 36.255376° N
LONG: 107.823128° W NAD83

FIRST TAKE POINT (FTP)
1653' FSL, 486' FWL
SEC. 5, T23N, R9W
LAT: 36.253185° N
LONG: 107.819553° W NAD83

BOTTOM HOLE LOCATION (BHL)
2481' FSL, 335' FEL
SEC.8, T23N, R9W
LAT: 36.240911° N
LONG: 107.804387° W NAD83

KICK OFF POINT (KOP)
1653' FSL, 486' FWL
SEC. 5, T23N, R9W
LAT: 36.253185° N
LONG: 107.819553° W NAD83

LAST TAKE POINT (LTP)
2481' FSL, 335' FEL
SEC.8, T23N, R9W
LAT: 36.240911° N
LONG: 107.804387° W NAD83

**DJR OPERATING, LLC
PONDEROSA I06 2309 COM #127H
P I06 2309 C**

SURFACE LOCATION NMNM 137056
2452' FSL, 566' 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: 36.255376° N LONG: 107.823128° W NAD83

PPP1(FIRST TAKE POINT) BIA-N0-G-2227-2015
1653' FSL, 486' FWL
LOCATED IN THE NW/SW OF SEC. 5, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.253185° N LONG: 107.819553° W NAD83

PPP2 BIA N0-G-2227-2014
1' FNL, 2123' FWL
LOCATED IN THE NE/NW OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.248675° N LONG: 107.813980° W NAD83

PPP3 BIA-NO-G-2227-2016
524' FNL, 2639' FEL
LOCATED IN THE NW/NE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.247250° N LONG: 107.812219° W NAD83

PPP4 BIA -NO-G-0502-1714
2676' FSL, 531' FEL
LOCATED IN THE NE/SE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.241453° N LONG: 107.805057° W NAD83

PPP5 (LAST TAKE POINT) BOTTOM HOLE LOCATION BIA NO-G-0502-1714
2481' FSL, 335' FEL
LOCATED IN THE NE/SE OF SEC. 8, T-23-N, R-9-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
LAT: 36.240911° N LONG: 107.804387° 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 I06 2309 COM	⁶ Well Number 127H
⁷ OGRID No. 371838	⁸ Operator Name DJR OPERATING, LLC	⁹ Elevation 6692

¹⁰ Surface Location

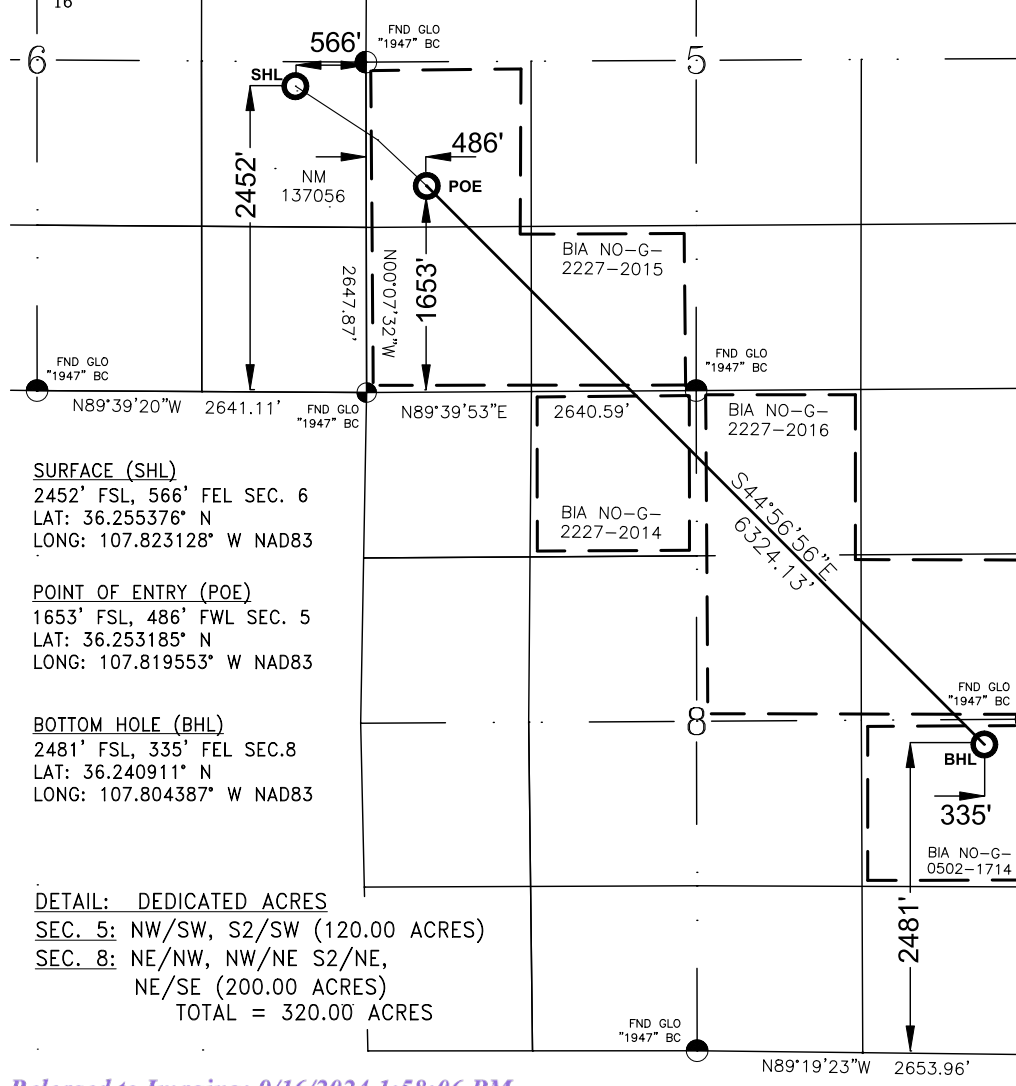
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	6	23-N	9-W		2452	SOUTH	566	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	8	23-N	9-W		2481	SOUTH	335	EAST	SAN JUAN

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

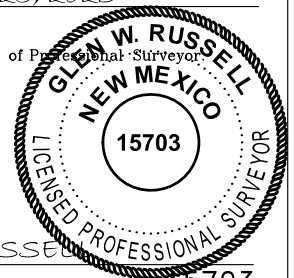
¹⁸ SURVEYOR CERTIFICATION

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.

AUGUST 25, 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

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

ACREAGE DEDICATION AND UNIT BOUNDARY PLAT

DJR OPERATING, LLC

PONDEROSA I06 2309 COM #127H

P I06 2309 C

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

☐ AMENDED REPORT

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

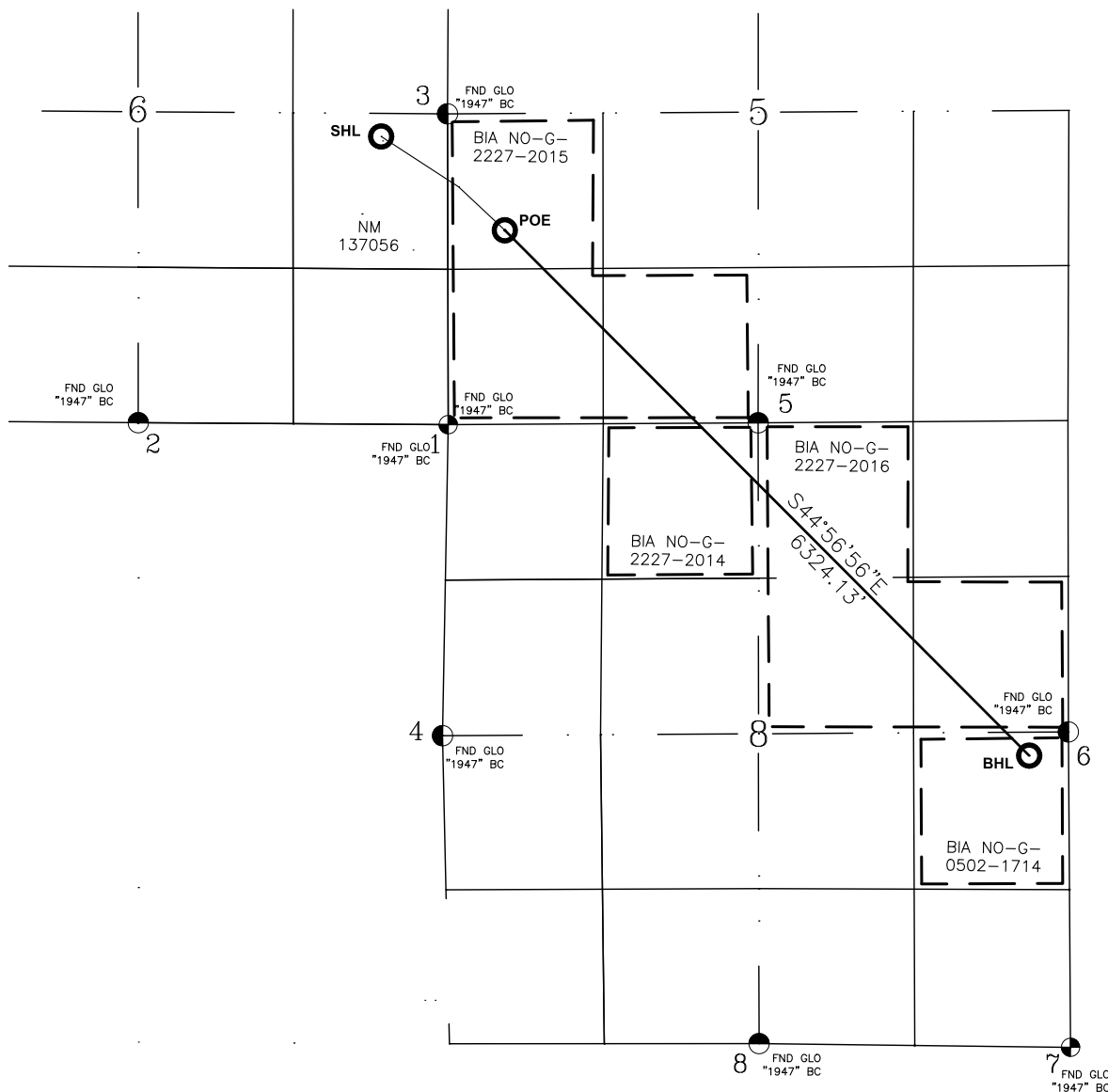
4) W/4 SEC. 8
LAT: 36.241359° N
LONG: 107.821330° W
NAD83

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. 5: NW/SW, S2/SW (120.00 ACRES)
SEC. 8: NE/NW, NW/NE S2/NE,
NE/SE (200.00 ACRES)
TOTAL = 320.00 ACRES

SURFACE (SHL)
2452' FSL, 566' FEL SEC. 6
LAT: 36.255376° N
LONG: 107.823128° W NAD83

POINT OF ENTRY (POE)
1653' FSL, 486' FWL SEC. 5
LAT: 36.253185° N
LONG: 107.819553° W NAD83

BOTTOM HOLE (BHL)
2481' FSL, 335' FEL SEC. 8
LAT: 36.240911° N
LONG: 107.804387° 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.



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

VENTING and FLARING

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

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

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

DJR will only flare gas during the following times:

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



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
Ponderosa I06 2309 FED COM 125H, 126H, 127H, 128H
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.



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

BEST MANAGEMENT PRACTICES

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

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

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

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

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

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

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 Com #127H

San Juan County, New Mexico

Surface Location

566-ft FEL & 2452-ft FSL
 Sec 6 T23 R9
 Graded Elevation 6692' MSL
 RKB Elevation 6706' (14' KB)

SHL Geographical Coordinates (NAD-83)

Latitude 36.2553757° N
 Longitude 107.8231278° W

Kick Off Point for Horizontal Build Curve

4398-ft MD
 4315-ft TVD

Local Coordinates (from SHL)

432-ft South
 660-ft East

Heel Location (Pay zone entry)

486-ft FWL & 1653-ft FSL
 Sec 5 T23 R9

Heel Geographical Coordinates (NAD-83)

Latitude 36.25318507° N
 Longitude 107.81955307° W

Bottom Hole Location (TD)

335-ft FEL & 2481-ft FSL
 Sec 8 T23 R9

BHL Geographical Coordinates (NAD-83)

Latitude 36.24091068° N
 Longitude 107.8043873° W

Well objectives

This well is planned as a 6320-ft lateral in the Gallup C sand.

Bottom Hole temperature and pressure

The temperature in the Gallup C horizontal objective is 134°F. Bottom hole pressure in the Gallup C is forecast to be 1985 psi.

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

Name	MD (ft)	TVD (ft)	Lithology	Pore fluid	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Ojo Alamo	334	334	Sd	W	8.3	8.4 – 8.8
Kirtland	424	424	Sh	-	8.3	8.4 – 8.8
Fruitland	653	653	C	G	8.3	9.0 - 9.5
Pictured Cliffs	1084	1078	Sd	W	8.3	9.0 - 9.5
Lewis	1215	1206	Sh	-		9.0 - 9.5
Chacra	1824	1801	Sd	-	8.3	9.0 - 9.5
Menefee	2570	2529	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	3582	3518	Sd	-	8.3	9.0 - 9.5
Mancos	3727	3659	Sh	-		9.0 - 9.5
Mancos Silt	4102	4025	Slt	O/G	6.6	9.0 - 9.5
Gallup A	4582	4484	Slt	O/G	6.6	9.0 - 9.5
Gallup B	4650	4540	Sd	O/G	6.6	8.8 - 9.0
Gallup C	4816	4652	Sd	O/G	6.6	8.8 - 9.0
Target	5143	4745	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	5092	surf	4743	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	4854	11465	4672	4705	4854

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	3727-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	142
Volume (bbls)	171	38
Volume (cu.ft.)	959	214
Excess %	78	0



Rev 1

4-1/2" Production Liner

Type	American
Planned top	Poz/G
Density (ppg)	4854-ft
Yield (cf/sx)	13.3
Mix water (gal/sx)	1.52
Volume (sx)	7.52
Volume (bbls)	571
Volume (cu.ft)	155
Excess %	869
	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 – 5092	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	5092 – 11465	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

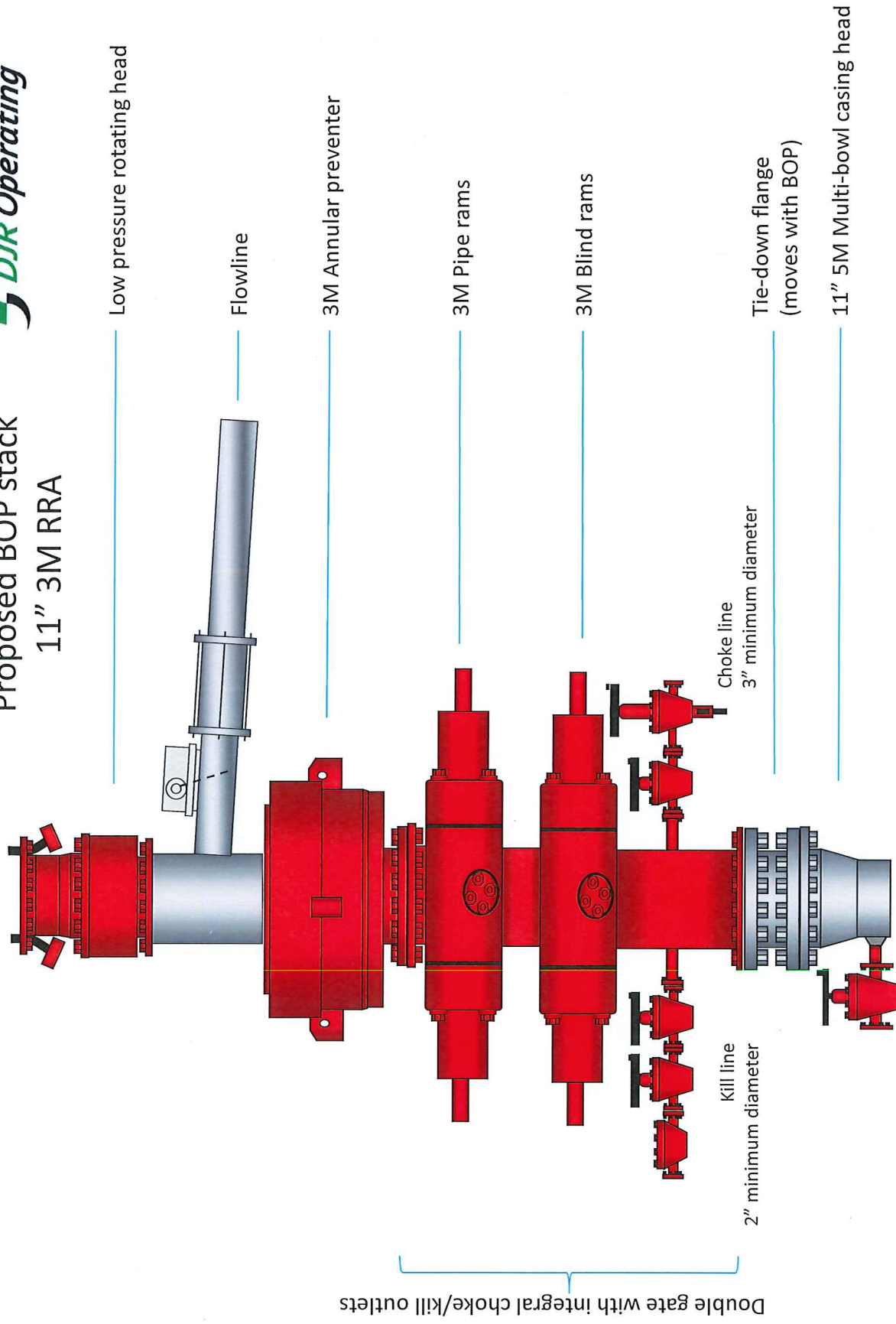
A closed loop, steel tank-based circulating system will be used. In addition to the rig solids control equipment, a dewatering centrifuge and chemical flocculation system will be operational to strip solids from the whole mud. All solids will be collected in 3-sided bins and will then be put into transports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



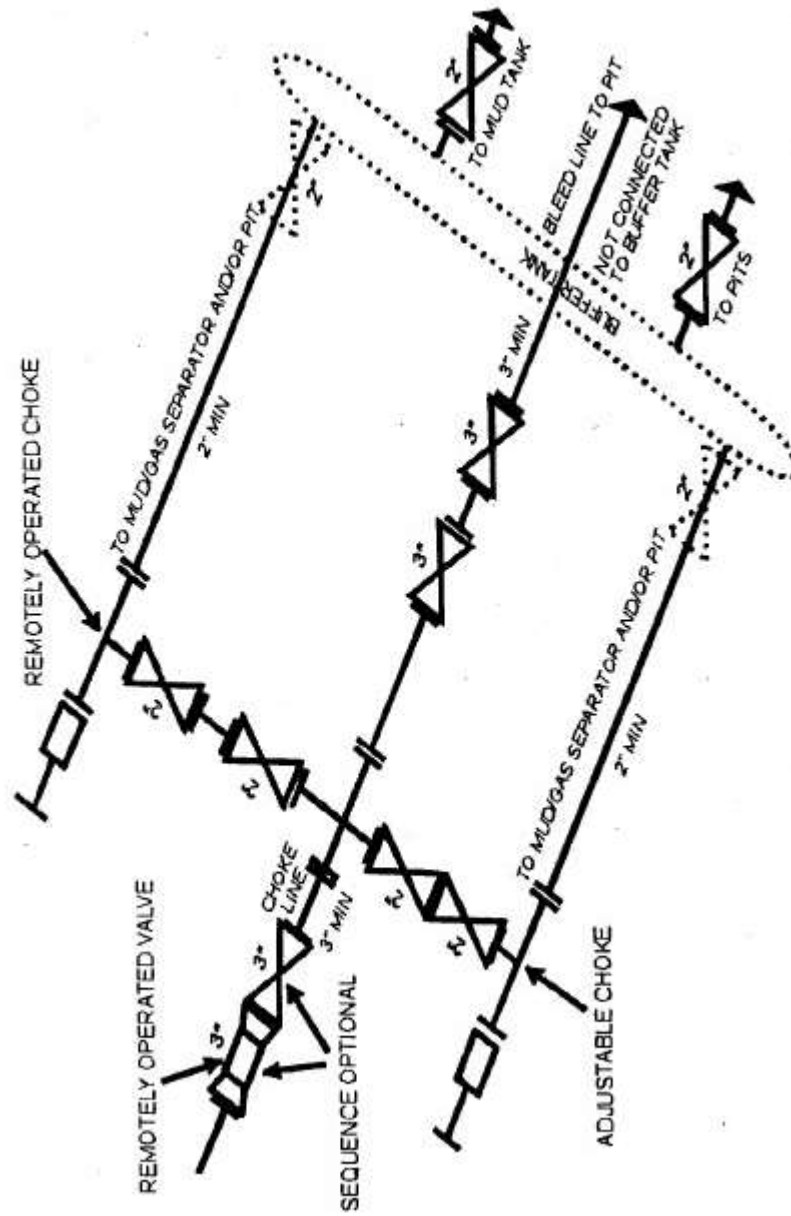
Proposed BOP stack 11" 3M RRA





Choke Manifold

Actual system to conform with Onshore Order 2





Company: DJR Operating
Project: Ponderosa Unit
Site: I06 2309
Well: Ponderosa I06 2309 Com #127H
Wellbore: Original Drilling
Design: APD Rev 1

WELL DETAILS: Ponderosa I06 2309 Com #127H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0	0	1912255.55	2726100.57	36.25537570	-107.82312780

Plan: APD Rev 1 (Ponderosa I06 2309 Com #127H/Original Drilling)

Created By: Janie Collins Date: 16:42, August 08 2023

PROJECT DETAILS: Ponderosa Unit

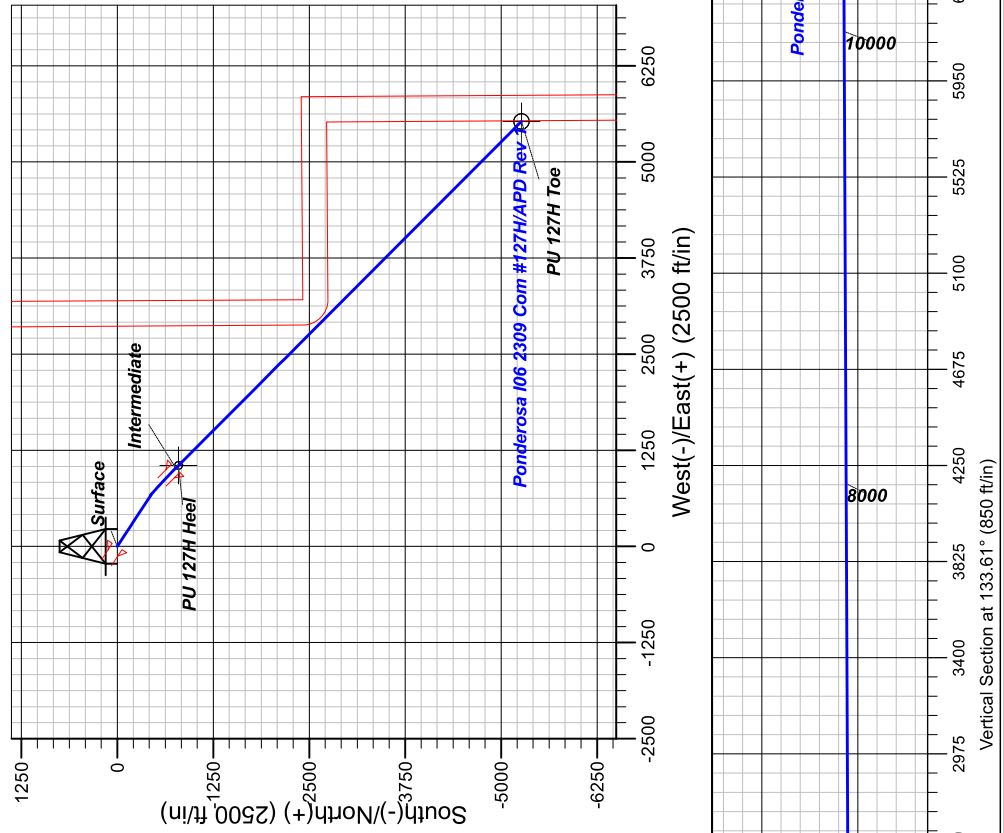
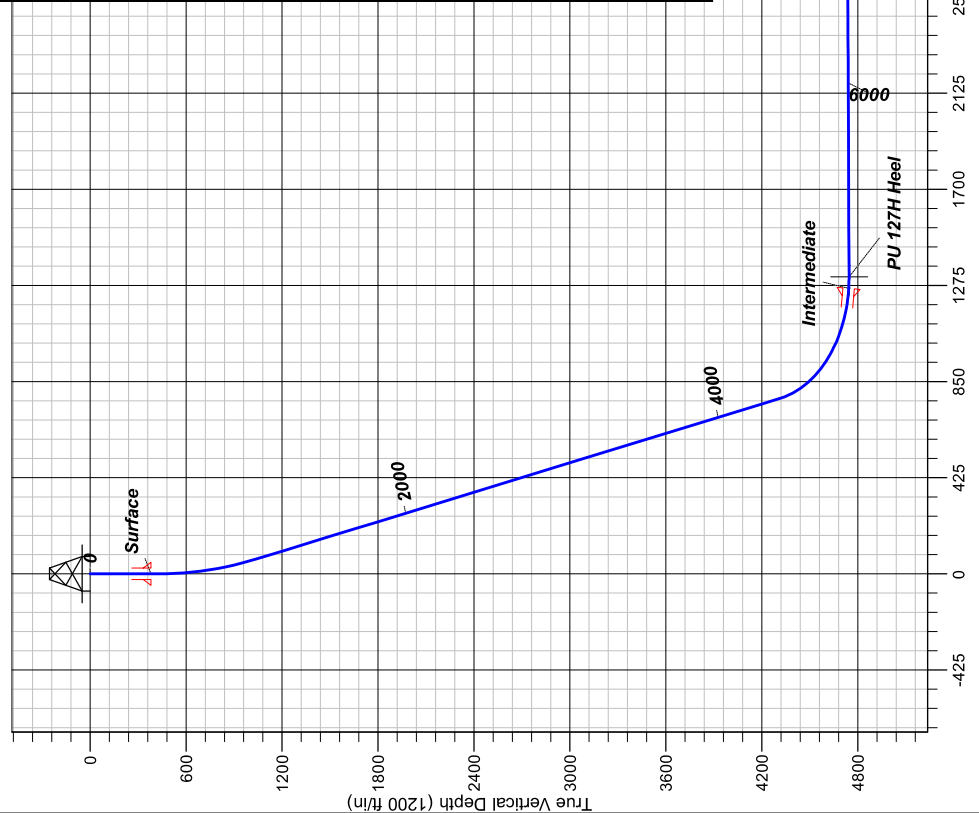
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Western Zone
System Datum: Mean Sea Level
Local North: True

DESIGN TARGET DETAILS

Time	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
Time	425	0.00	0.00	425	0	0	0.00	0.00	0
PU 127H Heel	1047	12.44	123.18	1042	37	56	0.00	123.18	66
PU 127H Toe	5396	17.44	133.16	4745	-432	650	0.00	0.00	715
	5143	90.36	134.97	4745	-797	1050	10.50	10.50	1313
	11463	90.36	134.97	4705	-5265	5526	0.00	0.00	7633

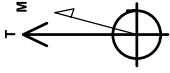
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
425	0.00	0.00	425	0	0	0.00	0.00	0
1047	12.44	123.18	1042	37	56	0.00	123.18	66
5396	17.44	133.16	4745	-432	650	0.00	0.00	715
5143	90.36	134.97	4745	-797	1050	10.50	10.50	1313
11463	90.36	134.97	4705	-5265	5526	0.00	0.00	7633



FORMATION DETAILS

MDPath	Formation
334	Ojo Alamo
424	Kirtland
653	Fruitland
1078	Pictured Cliffs
1206	Lewis
1801	Chacra
2570	Menefee
3518	Point Lookout
3659	Mancos
4102	Mancos Silt
4484	Gallup A
4540	Gallup B
4816	Gallup C



Azimuths to True North
Magnetic North: 10.1°
Magnetic Field
Strength: 50617.8 nT
Dip Angle: 63.83°
Date: 12/31/2019
Model: IGRF2000.0

CASING DETAILS

TVD	MD	Name
380	380	Surface
4743	5092	Intermediate

Ponderosa I06 2309 Com #127H/APD Rev 1



DJR Operating

Ponderosa Unit

I06 2309

Ponderosa I06 2309 Com #127H - Slot 3

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 Com #127H - Slot 3
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 Com #127H	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 Com #127H - Slot 3					
Well Position	+N/-S	0 ft	Northing:	1,912,255.55 usft	Latitude:	36.25537570
	+E/-W	0 ft	Easting:	2,726,100.57 usft	Longitude:	-107.82312780
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	50,617.64337094

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	133.61

Plan Survey Tool Program			Date	8/8/2023	
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks	
1	0	11,465	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	
1047	12.44	123.18	1042	-37	56	2.00	2.00	0.00	123.18	
4398	12.44	123.18	4315	-432	660	0.00	0.00	0.00	0.00	
5143	90.36	134.97	4745	-797	1054	10.50	10.46	1.58	12.05	PU 127H Heel
11,465	90.36	134.97	4705	-5265	5526	0.00	0.00	0.00	0.00	PU 127H Toe



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	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	123.18	500	-1	1	1	2.00	2.00	0.00
600	3.50	123.18	600	-3	4	5	2.00	2.00	0.00
700	5.50	123.18	700	-7	11	13	2.00	2.00	0.00
800	7.50	123.18	799	-13	21	24	2.00	2.00	0.00
900	9.50	123.18	898	-22	33	39	2.00	2.00	0.00
1000	11.50	123.18	996	-31	48	57	2.00	2.00	0.00
1047	12.44	123.18	1042	-37	56	66	2.00	2.00	0.00
1100	12.44	123.18	1094	-43	66	77	0.00	0.00	0.00
1200	12.44	123.18	1192	-55	84	99	0.00	0.00	0.00
1300	12.44	123.18	1289	-67	102	120	0.00	0.00	0.00
1400	12.44	123.18	1387	-78	120	141	0.00	0.00	0.00
1500	12.44	123.18	1484	-90	138	162	0.00	0.00	0.00
1600	12.44	123.18	1582	-102	156	183	0.00	0.00	0.00
1700	12.44	123.18	1680	-114	174	204	0.00	0.00	0.00
1800	12.44	123.18	1777	-126	192	226	0.00	0.00	0.00
1900	12.44	123.18	1875	-137	210	247	0.00	0.00	0.00
2000	12.44	123.18	1973	-149	228	268	0.00	0.00	0.00
2100	12.44	123.18	2070	-161	246	289	0.00	0.00	0.00
2200	12.44	123.18	2168	-173	264	310	0.00	0.00	0.00
2300	12.44	123.18	2266	-184	282	332	0.00	0.00	0.00
2400	12.44	123.18	2363	-196	300	353	0.00	0.00	0.00
2500	12.44	123.18	2461	-208	318	374	0.00	0.00	0.00
2600	12.44	123.18	2559	-220	336	395	0.00	0.00	0.00
2700	12.44	123.18	2656	-232	354	416	0.00	0.00	0.00
2800	12.44	123.18	2754	-243	372	437	0.00	0.00	0.00
2900	12.44	123.18	2852	-255	390	459	0.00	0.00	0.00
3000	12.44	123.18	2949	-267	408	480	0.00	0.00	0.00
3100	12.44	123.18	3047	-279	426	501	0.00	0.00	0.00
3200	12.44	123.18	3145	-291	444	522	0.00	0.00	0.00
3300	12.44	123.18	3242	-302	462	543	0.00	0.00	0.00
3400	12.44	123.18	3340	-314	480	565	0.00	0.00	0.00
3500	12.44	123.18	3438	-326	498	586	0.00	0.00	0.00
3600	12.44	123.18	3535	-338	516	607	0.00	0.00	0.00
3700	12.44	123.18	3633	-349	534	628	0.00	0.00	0.00
3800	12.44	123.18	3731	-361	553	649	0.00	0.00	0.00
3900	12.44	123.18	3828	-373	571	670	0.00	0.00	0.00
4000	12.44	123.18	3926	-385	589	692	0.00	0.00	0.00
4100	12.44	123.18	4023	-397	607	713	0.00	0.00	0.00
4200	12.44	123.18	4121	-408	625	734	0.00	0.00	0.00
4300	12.44	123.18	4219	-420	643	755	0.00	0.00	0.00
4398	12.44	123.18	4315	-432	660	776	0.00	0.00	0.00
4400	12.60	123.34	4316	-432	661	776	10.50	10.27	10.05
4500	22.97	128.86	4412	-450	685	807	10.50	10.38	5.52
4600	33.43	131.04	4500	-481	721	854	10.50	10.45	2.18
4700	43.90	132.27	4578	-522	768	916	10.50	10.47	1.23
4800	54.38	133.11	4643	-573	823	992	10.50	10.48	0.83
4900	64.86	133.74	4693	-633	886	1078	10.50	10.49	0.64
5000	75.35	134.28	4727	-698	953	1172	10.50	10.49	0.54



Lonestar Consulting, LLC

Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa 106 2309 Com #127H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Project:	Ponderosa Unit	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site:	106 2309	North Reference:	True
Well:	Ponderosa 106 2309 Com #127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5100	85.84	134.77	4744	-767	1023	1270	10.50	10.49	0.49	
5143	90.36	134.97	4745	-797	1054	1313	10.50	10.49	0.47	
5200	90.36	134.97	4745	-838	1094	1370	0.00	0.00	0.00	
5300	90.36	134.97	4744	-908	1165	1470	0.00	0.00	0.00	
5400	90.36	134.97	4743	-979	1236	1570	0.00	0.00	0.00	
5500	90.36	134.97	4743	-1050	1306	1670	0.00	0.00	0.00	
5600	90.36	134.97	4742	-1120	1377	1770	0.00	0.00	0.00	
5700	90.36	134.97	4742	-1191	1448	1870	0.00	0.00	0.00	
5800	90.36	134.97	4741	-1262	1519	1970	0.00	0.00	0.00	
5900	90.36	134.97	4740	-1332	1589	2070	0.00	0.00	0.00	
6000	90.36	134.97	4740	-1403	1660	2170	0.00	0.00	0.00	
6100	90.36	134.97	4739	-1474	1731	2270	0.00	0.00	0.00	
6200	90.36	134.97	4738	-1544	1802	2370	0.00	0.00	0.00	
6300	90.36	134.97	4738	-1615	1872	2470	0.00	0.00	0.00	
6400	90.36	134.97	4737	-1686	1943	2570	0.00	0.00	0.00	
6500	90.36	134.97	4736	-1756	2014	2670	0.00	0.00	0.00	
6600	90.36	134.97	4736	-1827	2085	2770	0.00	0.00	0.00	
6700	90.36	134.97	4735	-1898	2155	2870	0.00	0.00	0.00	
6800	90.36	134.97	4735	-1968	2226	2970	0.00	0.00	0.00	
6900	90.36	134.97	4734	-2039	2297	3070	0.00	0.00	0.00	
7000	90.36	134.97	4733	-2110	2368	3169	0.00	0.00	0.00	
7100	90.36	134.97	4733	-2180	2438	3269	0.00	0.00	0.00	
7200	90.36	134.97	4732	-2251	2509	3369	0.00	0.00	0.00	
7300	90.36	134.97	4731	-2322	2580	3469	0.00	0.00	0.00	
7400	90.36	134.97	4731	-2392	2651	3569	0.00	0.00	0.00	
7500	90.36	134.97	4730	-2463	2721	3669	0.00	0.00	0.00	
7600	90.36	134.97	4730	-2534	2792	3769	0.00	0.00	0.00	
7700	90.36	134.97	4729	-2604	2863	3869	0.00	0.00	0.00	
7800	90.36	134.97	4728	-2675	2934	3969	0.00	0.00	0.00	
7900	90.36	134.97	4728	-2746	3004	4069	0.00	0.00	0.00	
8000	90.36	134.97	4727	-2816	3075	4169	0.00	0.00	0.00	
8100	90.36	134.97	4726	-2887	3146	4269	0.00	0.00	0.00	
8200	90.36	134.97	4726	-2958	3217	4369	0.00	0.00	0.00	
8300	90.36	134.97	4725	-3028	3287	4469	0.00	0.00	0.00	
8400	90.36	134.97	4724	-3099	3358	4569	0.00	0.00	0.00	
8500	90.36	134.97	4724	-3170	3429	4669	0.00	0.00	0.00	
8600	90.36	134.97	4723	-3240	3500	4769	0.00	0.00	0.00	
8700	90.36	134.97	4723	-3311	3570	4869	0.00	0.00	0.00	
8800	90.36	134.97	4722	-3382	3641	4969	0.00	0.00	0.00	
8900	90.36	134.97	4721	-3452	3712	5069	0.00	0.00	0.00	
9000	90.36	134.97	4721	-3523	3783	5169	0.00	0.00	0.00	
9100	90.36	134.97	4720	-3594	3853	5269	0.00	0.00	0.00	
9200	90.36	134.97	4719	-3665	3924	5369	0.00	0.00	0.00	
9300	90.36	134.97	4719	-3735	3995	5469	0.00	0.00	0.00	
9400	90.36	134.97	4718	-3806	4066	5569	0.00	0.00	0.00	
9500	90.36	134.97	4717	-3877	4136	5669	0.00	0.00	0.00	
9600	90.36	134.97	4717	-3947	4207	5769	0.00	0.00	0.00	
9700	90.36	134.97	4716	-4018	4278	5869	0.00	0.00	0.00	
9800	90.36	134.97	4716	-4089	4349	5969	0.00	0.00	0.00	
9900	90.36	134.97	4715	-4159	4419	6069	0.00	0.00	0.00	
10,000	90.36	134.97	4714	-4230	4490	6169	0.00	0.00	0.00	
10,100	90.36	134.97	4714	-4301	4561	6269	0.00	0.00	0.00	
10,200	90.36	134.97	4713	-4371	4632	6369	0.00	0.00	0.00	
10,300	90.36	134.97	4712	-4442	4702	6468	0.00	0.00	0.00	



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,400	90.36	134.97	4712	-4513	4773	6568	0.00	0.00	0.00	
10,500	90.36	134.97	4711	-4583	4844	6668	0.00	0.00	0.00	
10,600	90.36	134.97	4710	-4654	4915	6768	0.00	0.00	0.00	
10,700	90.36	134.97	4710	-4725	4985	6868	0.00	0.00	0.00	
10,800	90.36	134.97	4709	-4795	5056	6968	0.00	0.00	0.00	
10,900	90.36	134.97	4709	-4866	5127	7068	0.00	0.00	0.00	
11,000	90.36	134.97	4708	-4937	5198	7168	0.00	0.00	0.00	
11,100	90.36	134.97	4707	-5007	5268	7268	0.00	0.00	0.00	
11,200	90.36	134.97	4707	-5078	5339	7368	0.00	0.00	0.00	
11,300	90.36	134.97	4706	-5149	5410	7468	0.00	0.00	0.00	
11,400	90.36	134.97	4705	-5219	5480	7568	0.00	0.00	0.00	
11,465	90.36	134.97	4705	-5265	5526	7633	0.00	0.00	0.00	

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PU 127H Toe - plan hits target center - Circle (radius 100)	0.00	0.00	4705	-5265	5526	1,906,991.07	2,731,627.43	36.24091068	-107.80438729
PU 127H Heel - plan hits target center - Circle (radius 50)	0.00	0.00	4745	-797	1054	1,911,458.24	2,727,154.63	36.25318507	-107.81955306

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
380	380	Surface	9.63	12.25	
5092	4743	Intermediate	7.00	8.75	



Database:	Grand Junction	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
334	334	Ojo Alamo		0.00	0.00	
424	424	Kirtland		0.00	0.00	
653	653	Fruitland		0.00	0.00	
1084	1078	Pictured Cliffs		0.00	0.00	
1215	1206	Lewis		0.00	0.00	
1824	1801	Chacra		0.00	0.00	
2570	2529	Menefee		0.00	0.00	
3582	3518	Point Lookout		0.00	0.00	
3727	3659	Mancos		0.00	0.00	
4102	4025	Mancos Silt		0.00	0.00	
4582	4484	Gallup A		0.00	0.00	
4650	4540	Gallup B		0.00	0.00	
4816	4652	Gallup C		0.00	0.00	



DJR Operating

Ponderosa Unit

I06 2309

Ponderosa I06 2309 Com #127H

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 Com #127H - Slot 3
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 Com #127H	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	11,465	APD Rev 1 (Original Drilling)	MWD+IGRF	OWSG MWD + IGRF or WMM

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
I06 2309						
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	425	425	40	37	14.399	CC
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	500	499	40	37	12.233	ES
Ponderosa I06 2309 Fed Com #125H - Original Drilling -	800	794	48	43	8.981	SF
Ponderosa I06 2309 Fed Com #126H - Original Drilling -	425	425	20	17	7.085	CC
Ponderosa I06 2309 Fed Com #126H - Original Drilling -	500	499	20	17	6.057	ES
Ponderosa I06 2309 Fed Com #126H - Original Drilling -	11,465	11,253	705	391	2.244	SF
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	425	425	20	17	7.157	CC
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	700	701	21	16	4.433	ES
Ponderosa I06 2309 Fed Com #128H - Original Drilling -	900	902	23	17	3.774	SF

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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0 ft	
Measured Reference	Vertical	Measured	Vertical	Reference	Offset	Highside				Between	Between	Minimum	Separation	Warning	
Depth	Depth	Depth	Depth	(ft)	(ft)	Toolface	+N/-S	+E/-W		Centres	Ellipses	Separation	Factor		
(ft)	(ft)	(ft)	(ft)			(°)	(ft)	(ft)		(ft)	(ft)	(ft)			
0	0	0	0	0	0	162.42	-38	12		40					
100	100	100	100	0	0	162.42	-38	12		40	40	0.46	86.955		
200	200	200	200	1	1	162.42	-38	12		40	39	1.18	34.095		
300	300	300	300	1	1	162.42	-38	12		40	38	1.90	21.205		
400	400	400	400	1	1	162.42	-38	12		40	38	2.61	15.387		
425	425	425	425	1	1	162.42	-38	12		40	37	2.79	14.399	CC	
500	500	499	499	2	2	40.14	-39	12		40	37	3.30	12.233	ES	
600	600	598	597	2	2	44.00	-43	14		41	38	3.97	10.447		
700	700	696	695	2	2	50.41	-51	16		44	39	4.65	9.423		
800	799	794	793	3	3	58.35	-61	19		48	43	5.36	8.981	SF	
900	898	892	890	3	3	66.61	-75	23		55	49	6.10	8.988		
1000	996	989	986	4	3	74.17	-92	28		64	57	6.90	9.320		
1047	1042	1035	1030	4	4	77.31	-100	30		70	62	7.31	9.552		
1100	1094	1086	1081	4	4	80.32	-111	33		77	69	7.77	9.877		
1200	1192	1183	1174	5	4	83.58	-134	40		92	84	8.68	10.622		
1300	1289	1279	1266	5	5	84.66	-160	47		110	101	9.62	11.464		
1400	1387	1374	1357	6	5	84.42	-188	56		131	120	10.56	12.365		
1500	1484	1472	1449	6	6	83.79	-218	64		152	140	11.56	13.154		

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 Com #127H - Slot 3
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 Com #127H	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		Distance		Rule Assigned:		Warning					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1600	1582	1569	1542	7	7	83.32	-249	73	173	161	12.57	13.799	
1700	1680	1667	1634	7	7	82.95	-279	82	195	181	13.60	14.336	
1800	1777	1765	1726	8	8	82.65	-310	91	216	202	14.64	14.789	
1900	1875	1862	1819	8	9	82.41	-341	100	238	222	15.68	15.175	
2000	1973	1960	1911	9	9	82.21	-371	109	259	243	16.73	15.508	
2100	2070	2058	2003	9	10	82.04	-402	118	281	263	17.78	15.798	
2200	2168	2155	2096	10	11	81.89	-432	126	302	284	18.84	16.052	
2300	2266	2253	2188	10	11	81.77	-463	135	324	304	19.90	16.277	
2400	2363	2351	2280	11	12	81.66	-493	144	345	324	20.97	16.476	
2500	2461	2448	2373	11	13	81.56	-524	153	367	345	22.03	16.655	
2600	2559	2546	2465	12	14	81.47	-554	162	388	365	23.10	16.815	
2700	2656	2644	2557	13	14	81.39	-585	171	410	386	24.17	16.961	
2800	2754	2741	2650	13	15	81.32	-615	180	432	406	25.25	17.092	
2900	2852	2839	2742	14	16	81.26	-646	188	453	427	26.32	17.213	
3000	2949	2937	2834	14	16	81.20	-676	197	475	447	27.39	17.323	
3100	3047	3034	2927	15	17	81.15	-707	206	496	468	28.47	17.424	
3200	3145	3132	3019	15	18	81.10	-737	215	518	488	29.55	17.517	
3300	3242	3230	3111	16	18	81.05	-768	224	539	508	30.62	17.604	
3400	3340	3327	3204	16	19	81.01	-798	233	561	529	31.70	17.683	
3500	3438	3425	3296	17	20	80.97	-829	242	582	549	32.78	17.758	
3600	3535	3523	3388	17	20	80.94	-859	250	604	570	33.86	17.827	
3700	3633	3620	3481	18	21	80.91	-890	259	625	590	34.94	17.892	
3800	3731	3718	3573	19	22	80.87	-920	268	647	611	36.02	17.952	
3900	3828	3816	3665	19	23	80.85	-951	277	668	631	37.10	18.009	
4000	3926	3913	3757	20	23	82.21	-987	278	686	647	38.74	17.711	
4100	4023	4118	3960	20	24	86.54	-992	251	697	656	40.15	17.350	
4200	4121	4235	4069	21	24	91.89	-976	211	704	663	41.29	17.056	
4300	4219	4324	4144	21	23	96.84	-953	172	715	673	42.16	16.953	
4398	4315	4388	4194	22	23	100.88	-929	138	732	689	42.63	17.158	
4400	4316	4389	4194	22	23	100.75	-929	137	732	689	42.64	17.165	
4450	4365	4413	4212	22	23	97.71	-919	124	744	701	42.73	17.401	
4500	4412	4431	4224	22	23	95.58	-911	114	758	715	42.75	17.721	
4550	4457	4443	4232	23	23	93.46	-906	107	774	732	42.71	18.130	
4600	4500	4450	4237	23	23	91.07	-903	102	794	751	42.61	18.625	
4650	4540	4450	4237	24	23	88.02	-903	102	815	773	42.43	19.209	
4700	4578	4450	4237	25	23	84.83	-903	102	839	796	42.26	19.844	
4750	4612	4450	4237	25	23	81.52	-903	102	864	822	42.11	20.513	
4800	4643	4450	4237	26	23	78.09	-903	102	890	848	41.99	21.200	
4850	4670	4437	4228	27	23	73.67	-909	110	918	876	41.79	21.954	
4900	4693	4428	4222	27	23	69.65	-913	116	945	904	41.69	22.678	
4950	4713	4417	4215	28	23	65.68	-917	121	973	932	41.62	23.384	
5000	4727	4400	4202	29	23	61.54	-924	131	1001	960	41.54	24.100	
5050	4738	4400	4202	30	23	58.61	-924	131	1028	987	41.72	24.651	
5100	4744	4380	4188	31	23	54.97	-932	142	1055	1013	41.72	25.281	
5143	4745	4368	4179	32	23	52.36	-937	149	1077	1035	41.83	25.742	
5200	4745	4350	4165	33	23	51.61	-944	158	1106	1064	41.96	26.361	
5300	4744	4327	4147	35	23	50.66	-951	170	1161	1119	42.22	27.509	
5400	4743	4300	4125	37	24	49.51	-960	183	1221	1179	42.33	28.851	
5500	4743	4300	4125	39	24	49.51	-960	183	1285	1243	42.71	30.098	
5600	4742	4267	4097	41	24	48.13	-969	198	1353	1310	42.61	31.752	
5700	4742	4250	4082	43	24	47.38	-973	205	1424	1381	42.64	33.385	
5800	4741	4250	4082	46	24	47.38	-973	205	1498	1455	42.85	34.947	

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 Com #127H - Slot 3
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 Com #127H	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		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5900	4740	4224	4059	48	24	46.28	-979	216	1574	1531	42.70	36.853		
6000	4740	4200	4037	50	24	45.25	-983	225	1652	1610	42.54	38.838		
6100	4739	4200	4037	52	24	45.25	-983	225	1732	1690	42.66	40.609		
6200	4738	4200	4037	55	24	45.25	-983	225	1815	1772	42.75	42.444		
6300	4738	4200	4037	57	24	45.25	-983	225	1898	1856	42.82	44.333		
6400	4737	4174	4014	59	24	44.18	-987	234	1983	1941	42.59	46.563		
6500	4736	4150	3991	62	24	43.15	-990	242	2070	2027	42.36	48.855		
6600	4736	4150	3991	64	24	43.15	-990	242	2157	2114	42.41	50.851		
6700	4735	4150	3991	66	24	43.15	-990	242	2245	2203	42.45	52.881		
6800	4735	4150	3991	69	24	43.15	-990	242	2334	2292	42.48	54.940		
6900	4734	4150	3991	71	24	43.15	-990	242	2424	2382	42.51	57.025		
7000	4733	4150	3991	74	24	43.15	-990	242	2515	2472	42.53	59.131		
7100	4733	4150	3991	76	24	43.15	-990	242	2606	2564	42.55	61.257		
7200	4732	4126	3968	78	24	42.18	-992	249	2698	2655	42.32	63.738		
7300	4731	4122	3964	81	24	42.00	-992	250	2790	2748	42.30	65.961		
7400	4731	4100	3943	83	24	41.11	-993	256	2883	2841	42.10	68.490		
7500	4730	4100	3943	86	24	41.11	-993	256	2976	2934	42.11	70.669		
7600	4730	4100	3943	88	24	41.11	-993	256	3070	3028	42.13	72.860		
7700	4729	4100	3943	90	24	41.11	-993	256	3164	3122	42.15	75.059		
7800	4728	4100	3943	93	24	41.11	-993	256	3258	3216	42.17	77.266		
7900	4728	4100	3943	95	24	41.11	-993	256	3353	3310	42.18	79.480		
8000	4727	4100	3943	98	24	41.11	-993	256	3448	3405	42.20	81.700		
8100	4726	4100	3943	100	24	41.11	-993	256	3543	3501	42.21	83.924		
8200	4726	4100	3943	102	24	41.11	-993	256	3638	3596	42.23	86.152		
8300	4725	4100	3943	105	24	41.11	-993	256	3734	3692	42.25	88.384		
8400	4724	4100	3943	107	24	41.11	-993	256	3830	3788	42.26	90.617		
8500	4724	4100	3943	110	24	41.11	-993	256	3926	3884	42.28	92.852		
8600	4723	4100	3943	112	24	41.11	-993	256	4022	3980	42.30	95.088		
8700	4723	4100	3943	115	24	41.11	-993	256	4119	4077	42.32	97.325		
8800	4722	4100	3943	117	24	41.11	-993	256	4215	4173	42.34	99.562		
8900	4721	4076	3920	120	24	40.16	-994	262	4312	4270	42.16	102.268		
9000	4721	4074	3918	122	24	40.09	-994	262	4409	4366	42.17	104.546		
9100	4720	4073	3916	124	24	40.02	-994	263	4506	4463	42.18	106.821		
9200	4719	4050	3894	127	24	39.14	-993	267	4603	4561	42.01	109.559		
9300	4719	4050	3894	129	24	39.14	-993	267	4700	4658	42.04	111.797		
9400	4718	4050	3894	132	24	39.14	-993	267	4798	4755	42.07	114.031		
9500	4717	4050	3894	134	24	39.14	-993	267	4895	4853	42.10	116.264		
9600	4717	4050	3894	137	24	39.14	-993	267	4992	4950	42.13	118.493		
9700	4716	4050	3894	139	24	39.14	-993	267	5090	5048	42.16	120.719		
9800	4716	4050	3894	142	24	39.14	-993	267	5188	5146	42.20	122.942		
9900	4715	4050	3894	144	24	39.14	-993	267	5285	5243	42.23	125.161		
10,000	4714	4050	3894	147	24	39.14	-993	267	5383	5341	42.26	127.376		
10,100	4714	4050	3894	149	24	39.14	-993	267	5481	5439	42.30	129.587		
10,200	4713	4050	3894	152	24	39.14	-993	267	5579	5537	42.33	131.793		
10,300	4712	4050	3894	154	24	39.14	-993	267	5677	5635	42.37	133.995		
10,400	4712	4050	3894	156	24	39.14	-993	267	5775	5733	42.41	136.192		
10,500	4711	4050	3894	159	24	39.14	-993	267	5874	5831	42.44	138.384		
10,600	4710	4050	3894	161	24	39.14	-993	267	5972	5929	42.48	140.570		
10,700	4710	4050	3894	164	24	39.14	-993	267	6070	6028	42.52	142.752		
10,800	4709	4050	3894	166	24	39.14	-993	267	6169	6126	42.56	144.927		
10,900	4709	4050	3894	169	24	39.14	-993	267	6267	6224	42.60	147.097		
11,000	4708	4050	3894	171	24	39.14	-993	267	6365	6323	42.65	149.262		

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 Com #127H - Slot 3
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 Com #127H	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		Offset Wellbore Centre		Distance		Rule Assigned:		Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
11,100	4707	4050	3894	174	24	39.14	-993	267	6464	6421	42.69	151.420		
11,200	4707	4050	3894	176	24	39.14	-993	267	6563	6520	42.73	153.572		
11,300	4706	4050	3894	179	24	39.14	-993	267	6661	6618	42.78	155.718		
11,400	4705	4050	3894	181	24	39.14	-993	267	6760	6717	42.82	157.858		
11,465	4705	4050	3894	183	24	39.14	-993	267	6824	6781	42.85	159.241		



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	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 #126H - Original Drilling - APD Rev 1														Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF														Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0	0	0	0	0	0	163.82	-19	6	20						
100	100	100	100	0	0	163.82	-19	6	20	19	0.46	42.787			
200	200	200	200	1	1	163.82	-19	6	20	19	1.18	16.777			
300	300	300	300	1	1	163.82	-19	6	20	18	1.90	10.434			
400	400	400	400	1	1	163.82	-19	6	20	17	2.61	7.571			
425	425	425	425	1	1	163.82	-19	6	20	17	2.79	7.085 CC			
500	500	499	499	2	2	42.73	-20	6	20	17	3.31	6.057 ES			
600	600	599	599	2	2	51.34	-24	6	21	17	3.98	5.380			
700	700	698	697	2	2	63.84	-32	8	25	20	4.66	5.329			
800	799	796	795	3	3	76.11	-43	10	31	26	5.38	5.817			
900	898	895	893	3	3	85.70	-57	12	41	35	6.15	6.683			
1000	996	993	989	4	3	92.47	-74	16	54	47	6.97	7.756			
1047	1042	1038	1034	4	4	94.86	-83	17	61	54	7.38	8.294			
1100	1094	1090	1084	4	4	97.06	-94	19	70	62	7.86	8.889			
1200	1192	1189	1181	5	4	99.96	-116	23	86	78	8.80	9.825			
1300	1289	1288	1277	5	5	101.93	-137	27	103	93	9.75	10.571			
1400	1387	1386	1373	6	5	103.35	-158	31	120	109	10.73	11.176			
1500	1484	1485	1469	6	6	104.42	-179	35	137	125	11.71	11.672			
1600	1582	1583	1565	7	6	105.25	-200	39	154	141	12.70	12.085			
1700	1680	1682	1662	7	7	105.92	-221	43	170	157	13.71	12.434			
1800	1777	1780	1758	8	7	106.47	-242	47	187	173	14.71	12.731			
1900	1875	1879	1854	8	8	106.93	-263	51	204	189	15.73	12.987			
2000	1973	1977	1950	9	8	107.32	-284	54	221	204	16.74	13.210			
2100	2070	2076	2046	9	9	107.65	-305	58	238	220	17.76	13.405			
2200	2168	2174	2143	10	10	107.94	-326	62	255	236	18.78	13.577			
2300	2266	2273	2239	10	10	108.20	-347	66	272	252	19.81	13.730			
2400	2363	2372	2335	11	11	108.42	-369	70	289	268	20.84	13.867			
2500	2461	2470	2431	11	11	108.62	-390	74	306	284	21.86	13.991			
2600	2559	2569	2527	12	12	108.80	-411	78	323	300	22.89	14.102			
2700	2656	2667	2623	13	12	108.96	-432	82	340	316	23.93	14.203			
2800	2754	2766	2720	13	13	109.10	-453	85	357	332	24.96	14.296			
2900	2852	2864	2816	14	13	109.23	-474	89	374	348	25.99	14.380			
3000	2949	2963	2912	14	14	109.35	-495	93	391	364	27.02	14.458			
3100	3047	3061	3008	15	14	109.46	-516	97	408	380	28.06	14.529			
3200	3145	3160	3104	15	15	109.56	-537	101	425	396	29.09	14.595			
3300	3242	3258	3201	16	15	109.66	-558	105	442	411	30.13	14.657			
3400	3340	3357	3297	16	16	109.74	-579	109	459	427	31.17	14.714			
3500	3438	3456	3393	17	17	109.82	-600	113	476	443	32.20	14.767			
3600	3535	3554	3489	17	17	109.90	-622	117	493	459	33.24	14.817			
3700	3633	3653	3585	18	18	109.97	-643	120	510	475	34.28	14.863			
3800	3731	3751	3682	19	18	110.03	-664	124	526	491	35.32	14.907			
3900	3828	3850	3778	19	19	110.10	-685	128	543	507	36.36	14.948			
4000	3926	3948	3874	20	19	110.15	-706	132	560	523	37.40	14.986			
4100	4023	4058	3980	20	20	109.90	-732	139	577	538	38.58	14.953			
4200	4121	4175	4088	21	21	107.55	-773	161	590	550	40.02	14.755			
4300	4219	4280	4173	21	22	103.64	-822	195	603	561	41.43	14.551			
4398	4315	4366	4234	22	23	99.29	-869	233	617	575	42.60	14.493			
4400	4316	4367	4235	22	23	99.04	-870	233	618	575	42.61	14.493			
4450	4365	4406	4259	22	23	92.55	-893	252	627	584	43.12	14.533			
4500	4412	4443	4280	22	24	87.70	-917	272	637	593	43.65	14.586			
4550	4457	4479	4299	23	24	83.65	-941	293	647	603	44.20	14.645			
4600	4500	4515	4315	23	25	80.10	-964	314	658	614	44.77	14.705			

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 Com #127H - Slot 3
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 Com #127H	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 #126H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
4650	4540	4550	4329	24	25	76.91	-988	336	670	624	45.38	14.760
4700	4578	4584	4341	25	26	74.03	-1011	357	681	635	46.01	14.800
4750	4612	4618	4350	25	26	71.42	-1035	379	692	645	46.69	14.824
4800	4643	4650	4357	26	27	69.08	-1058	401	703	655	47.39	14.831
4850	4670	4684	4363	27	27	66.92	-1082	424	713	665	48.17	14.800
4900	4693	4716	4366	27	28	65.03	-1105	447	722	673	48.99	14.746
4950	4713	4750	4368	28	29	63.32	-1128	471	731	681	49.87	14.657
5000	4727	4790	4368	29	29	61.75	-1156	499	738	687	50.92	14.502
5050	4738	4839	4367	30	30	60.50	-1190	534	744	692	52.23	14.239
5100	4744	4888	4367	31	31	59.79	-1225	570	747	693	53.71	13.905
5110	4744	4898	4367	31	31	59.71	-1232	576	747	693	54.01	13.832
5143	4745	4931	4367	32	32	59.60	-1255	600	747	692	55.12	13.561
5188	4745	4976	4367	33	33	59.59	-1287	632	747	690	56.66	13.185
5200	4745	4988	4367	33	33	59.59	-1295	641	747	690	57.07	13.090
5279	4744	5067	4366	35	35	59.56	-1351	697	747	687	59.87	12.470
5300	4744	5088	4366	35	35	59.55	-1365	712	746	686	60.60	12.316
5379	4744	5167	4365	37	37	59.53	-1421	769	746	682	63.47	11.750
5400	4743	5188	4365	37	37	59.52	-1435	783	746	681	64.23	11.610
5479	4743	5267	4365	39	39	59.50	-1491	840	745	678	67.17	11.094
5500	4743	5288	4365	39	39	59.49	-1506	855	745	677	67.94	10.966
5579	4742	5367	4364	41	41	59.46	-1561	911	744	674	70.93	10.496
5600	4742	5388	4364	41	41	59.46	-1576	926	744	673	71.72	10.379
5679	4742	5467	4363	43	43	59.43	-1631	982	744	669	74.75	9.950
5700	4742	5488	4363	43	44	59.43	-1646	997	744	668	75.55	9.843
5779	4741	5567	4363	45	45	59.40	-1701	1054	743	664	78.63	9.451
5800	4741	5588	4363	46	46	59.39	-1716	1069	743	664	79.44	9.353
5879	4740	5667	4362	47	48	59.37	-1771	1125	742	660	82.55	8.994
5900	4740	5688	4362	48	48	59.36	-1786	1140	742	659	83.36	8.905
5979	4740	5767	4361	50	50	59.34	-1842	1196	742	655	86.50	8.575
6000	4740	5788	4361	50	50	59.33	-1856	1211	742	654	87.32	8.493
6079	4739	5867	4361	52	52	59.30	-1912	1268	741	651	90.49	8.190
6100	4739	5888	4361	52	53	59.30	-1926	1283	741	650	91.32	8.114
6179	4739	5967	4360	54	54	59.27	-1982	1339	740	646	94.50	7.835
6200	4738	5988	4360	55	55	59.26	-1996	1354	740	645	95.33	7.765
6279	4738	6067	4360	57	57	59.24	-2052	1410	740	641	98.53	7.508
6300	4738	6088	4359	57	57	59.23	-2066	1425	740	640	99.37	7.443
6379	4737	6167	4359	59	59	59.21	-2122	1482	739	636	102.59	7.204
6400	4737	6188	4359	59	60	59.20	-2137	1496	739	636	103.44	7.144
6479	4737	6267	4358	61	61	59.17	-2192	1553	738	632	106.67	6.923
6500	4736	6288	4358	62	62	59.17	-2207	1568	738	631	107.51	6.867
6579	4736	6367	4358	64	64	59.14	-2262	1624	738	627	110.76	6.661
6600	4736	6388	4357	64	64	59.14	-2277	1639	738	626	111.61	6.609
6679	4735	6467	4357	66	66	59.11	-2332	1696	737	622	114.86	6.417
6700	4735	6488	4357	66	67	59.10	-2347	1710	737	621	115.71	6.369
6779	4735	6567	4356	68	69	59.08	-2402	1767	736	617	118.97	6.190
6800	4735	6588	4356	69	69	59.07	-2417	1782	736	616	119.83	6.144
6879	4734	6667	4356	71	71	59.04	-2473	1838	736	613	123.10	5.977
6900	4734	6688	4355	71	71	59.04	-2487	1853	736	612	123.96	5.934
6979	4733	6767	4355	73	73	59.01	-2543	1909	735	608	127.23	5.777
7000	4733	6788	4355	74	74	59.00	-2557	1924	735	607	128.09	5.737
7079	4733	6867	4354	75	76	58.98	-2613	1981	734	603	131.38	5.590
7100	4733	6888	4354	76	76	58.97	-2627	1996	734	602	132.24	5.552

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 Com #127H - Slot 3
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 Com #127H	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 #126H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:						
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
7179	4732	6967	4354	78	78	58.95	-2683	2052	734	598	135.53	5.414
7200	4732	6988	4354	78	79	58.94	-2697	2067	734	597	136.39	5.378
7279	4732	7067	4353	80	81	58.91	-2753	2123	733	593	139.68	5.248
7300	4731	7088	4353	81	81	58.91	-2768	2138	733	592	140.55	5.215
7379	4731	7167	4352	83	83	58.88	-2823	2195	732	589	143.84	5.091
7400	4731	7188	4352	83	83	58.87	-2838	2209	732	588	144.71	5.060
7479	4730	7267	4352	85	85	58.85	-2893	2266	732	584	148.01	4.944
7500	4730	7288	4352	86	86	58.84	-2908	2281	732	583	148.87	4.914
7579	4730	7367	4351	87	88	58.81	-2963	2337	731	579	152.18	4.804
7600	4730	7388	4351	88	88	58.81	-2978	2352	731	578	153.04	4.776
7679	4729	7467	4350	90	90	58.78	-3033	2409	730	574	156.35	4.671
7700	4729	7488	4350	90	91	58.77	-3048	2423	730	573	157.22	4.645
7779	4728	7567	4350	92	93	58.75	-3103	2480	730	569	160.53	4.546
7800	4728	7588	4350	93	93	58.74	-3118	2495	730	568	161.39	4.520
7879	4728	7667	4349	95	95	58.71	-3174	2551	729	564	164.70	4.426
7900	4728	7688	4349	95	96	58.71	-3188	2566	729	563	165.57	4.402
7979	4727	7767	4348	97	98	58.68	-3244	2622	728	559	168.88	4.313
8000	4727	7788	4348	98	98	58.67	-3258	2637	728	558	169.75	4.290
8079	4726	7867	4348	100	100	58.65	-3314	2694	728	555	173.06	4.205
8100	4726	7888	4348	100	100	58.64	-3328	2709	728	554	173.93	4.183
8179	4726	7967	4347	102	102	58.61	-3384	2765	727	550	177.25	4.102
8200	4726	7988	4347	102	103	58.61	-3398	2780	727	549	178.12	4.081
8279	4725	8067	4347	104	105	58.58	-3454	2836	726	545	181.43	4.003
8300	4725	8088	4346	105	105	58.57	-3469	2851	726	544	182.30	3.983
8379	4725	8167	4346	107	107	58.55	-3524	2908	726	540	185.62	3.909
8400	4724	8188	4346	107	108	58.54	-3539	2922	726	539	186.49	3.890
8479	4724	8267	4345	109	110	58.51	-3594	2979	725	535	189.80	3.820
8500	4724	8288	4345	110	110	58.51	-3609	2994	725	534	190.67	3.802
8579	4723	8367	4345	112	112	58.48	-3664	3050	724	530	193.99	3.734
8600	4723	8388	4344	112	113	58.47	-3679	3065	724	529	194.86	3.717
8679	4723	8467	4344	114	115	58.45	-3734	3122	724	525	198.17	3.652
8700	4723	8488	4344	115	115	58.44	-3749	3136	724	524	199.04	3.635
8779	4722	8567	4343	117	117	58.41	-3805	3193	723	521	202.36	3.573
8800	4722	8588	4343	117	118	58.40	-3819	3208	723	520	203.23	3.557
8879	4721	8667	4343	119	120	58.38	-3875	3264	722	516	206.54	3.497
8900	4721	8688	4343	120	120	58.37	-3889	3279	722	515	207.41	3.482
8979	4721	8767	4342	122	122	58.34	-3945	3335	722	511	210.73	3.425
9000	4721	8788	4342	122	123	58.34	-3959	3350	722	510	211.60	3.410
9079	4720	8867	4341	124	124	58.31	-4015	3407	721	506	214.91	3.355
9100	4720	8888	4341	124	125	58.30	-4029	3422	721	505	215.78	3.341
9179	4719	8967	4341	126	127	58.28	-4085	3478	720	501	219.10	3.288
9200	4719	8988	4341	127	127	58.27	-4100	3493	720	500	219.97	3.274
9279	4719	9067	4340	129	129	58.24	-4155	3549	720	496	223.28	3.223
9300	4719	9088	4340	129	130	58.23	-4170	3564	720	495	224.15	3.210
9379	4718	9167	4339	131	132	58.21	-4225	3621	719	492	227.46	3.161
9400	4718	9188	4339	132	132	58.20	-4240	3635	719	491	228.33	3.148
9479	4718	9267	4339	134	134	58.17	-4295	3692	718	487	231.64	3.101
9500	4717	9288	4339	134	135	58.17	-4310	3707	718	486	232.51	3.089
9579	4717	9367	4338	136	137	58.14	-4365	3763	718	482	235.82	3.043
9600	4717	9388	4338	137	137	58.13	-4380	3778	718	481	236.69	3.032
9679	4716	9467	4337	139	139	58.10	-4435	3835	717	477	240.00	2.988
9700	4716	9488	4337	139	140	58.10	-4450	3849	717	476	240.87	2.976

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 Com #127H - Slot 3
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 Com #127H	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 #126H - Original Drilling - APD Rev 1											Offset Site Error:	0 ft
Survey Program: 0-MWD+IGRF											Offset Well Error:	0 ft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
9779	4716	9567	4337	141	142	58.07	-4506	3906	716	472	244.17	2.934
9800	4716	9588	4337	142	142	58.06	-4520	3921	716	471	245.04	2.923
9879	4715	9667	4336	144	144	58.04	-4576	3977	716	467	248.35	2.882
9900	4715	9688	4336	144	145	58.03	-4590	3992	716	466	249.22	2.871
9979	4714	9767	4336	146	147	58.00	-4646	4048	715	462	252.52	2.831
10,000	4714	9788	4335	147	147	57.99	-4660	4063	715	461	253.39	2.821
10,079	4714	9867	4335	149	149	57.97	-4716	4120	714	458	256.69	2.783
10,100	4714	9888	4335	149	150	57.96	-4731	4135	714	457	257.56	2.773
10,179	4713	9967	4334	151	152	57.93	-4786	4191	714	453	260.86	2.736
10,200	4713	9988	4334	152	152	57.92	-4801	4206	714	452	261.73	2.726
10,279	4713	10,067	4334	153	154	57.90	-4856	4262	713	448	265.03	2.690
10,300	4712	10,088	4333	154	155	57.89	-4871	4277	713	447	265.90	2.681
10,379	4712	10,167	4333	156	157	57.86	-4926	4334	712	443	269.19	2.646
10,400	4712	10,188	4333	156	157	57.85	-4941	4348	712	442	270.06	2.637
10,479	4711	10,267	4332	158	159	57.83	-4996	4405	712	438	273.36	2.603
10,500	4711	10,288	4332	159	159	57.82	-5011	4420	712	437	274.22	2.595
10,579	4711	10,367	4332	161	161	57.79	-5066	4476	711	434	277.52	2.562
10,600	4710	10,388	4331	161	162	57.78	-5081	4491	711	432	278.38	2.554
10,679	4710	10,467	4331	163	164	57.76	-5137	4548	710	429	281.68	2.522
10,700	4710	10,488	4331	164	164	57.75	-5151	4562	710	428	282.54	2.514
10,779	4709	10,567	4330	166	166	57.72	-5207	4619	710	424	285.83	2.483
10,800	4709	10,588	4330	166	167	57.71	-5221	4634	710	423	286.70	2.475
10,879	4709	10,667	4330	168	169	57.69	-5277	4690	709	419	289.99	2.445
10,900	4709	10,688	4330	169	169	57.68	-5291	4705	709	418	290.85	2.437
10,979	4708	10,767	4329	171	171	57.65	-5347	4761	708	414	294.14	2.408
11,000	4708	10,788	4329	171	172	57.64	-5361	4776	708	413	295.01	2.401
11,079	4707	10,867	4328	173	174	57.62	-5417	4833	708	409	298.29	2.373
11,100	4707	10,888	4328	174	174	57.61	-5432	4848	708	408	299.16	2.365
11,179	4707	10,967	4328	176	176	57.58	-5487	4904	707	405	302.44	2.338
11,200	4707	10,988	4328	176	177	57.57	-5502	4919	707	404	303.30	2.331
11,279	4706	11,067	4327	178	179	57.55	-5557	4975	706	400	306.59	2.304
11,300	4706	11,088	4327	179	179	57.54	-5572	4990	706	399	307.45	2.297
11,379	4706	11,167	4326	181	181	57.51	-5627	5047	706	395	310.73	2.271
11,400	4705	11,188	4326	181	182	57.50	-5642	5062	706	394	311.59	2.264
11,451	4705	11,239	4326	182	183	57.48	-5678	5098	705	392	313.71	2.248
11,465	4705	11,253	4326	183	183	57.48	-5687	5108	705	391	314.27	2.244 SF

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



Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	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	Offset	Semi Major Axis		Distance		Rule Assigned:		Warning						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0	0	0	0	0	0	-16.28	19	-6	20					
100	100	100	100	0	0	-16.28	19	-6	20	20	0.46	43.218		
200	200	200	200	1	1	-16.28	19	-6	20	19	1.18	16.946		
300	300	300	300	1	1	-16.28	19	-6	20	18	1.90	10.539		
400	400	400	400	1	1	-16.28	19	-6	20	17	2.61	7.648		
425	425	425	425	1	1	-16.28	19	-6	20	17	2.79	7.157 CC		
500	500	500	500	2	2	-139.25	19	-5	20	17	3.31	6.051		
600	600	601	601	2	2	-138.35	17	-1	20	16	3.99	5.086		
700	700	701	701	2	2	-136.80	13	6	21	16	4.70	4.433 ES		
800	799	802	801	3	3	-134.68	8	16	22	16	5.42	3.977		
900	898	902	900	3	3	-134.50	1	28	23	17	6.18	3.774 SF		
1000	996	1002	999	4	3	-139.41	-5	41	28	21	6.94	3.977		
1047	1042	1048	1045	4	4	-142.60	-8	46	31	23	7.29	4.197		
1100	1094	1101	1098	4	4	-145.99	-11	53	34	27	7.69	4.485		
1200	1192	1201	1196	5	4	-150.63	-18	65	42	34	8.43	4.980		
1300	1289	1301	1295	5	5	-153.85	-24	77	50	40	9.17	5.414		
1400	1387	1400	1394	6	5	-156.20	-31	89	57	48	9.92	5.794		
1500	1484	1500	1492	6	6	-157.99	-37	101	65	55	10.67	6.125		
1600	1582	1600	1591	7	6	-159.39	-43	113	73	62	11.42	6.417		
1700	1680	1699	1690	7	6	-160.52	-50	125	81	69	12.17	6.674		
1800	1777	1799	1789	8	7	-161.44	-56	137	89	76	12.93	6.902		
1900	1875	1899	1887	8	7	-162.22	-62	149	97	84	13.68	7.106		
2000	1973	1998	1986	9	8	-162.87	-69	162	105	91	14.44	7.289		
2100	2070	2098	2085	9	8	-163.44	-75	174	113	98	15.20	7.455		
2200	2168	2198	2184	10	9	-163.92	-81	186	121	105	15.96	7.604		
2300	2266	2297	2282	10	9	-164.35	-88	198	129	113	16.72	7.741		
2400	2363	2397	2381	11	10	-164.73	-94	210	137	120	17.48	7.865		
2500	2461	2497	2480	11	10	-165.06	-100	222	146	127	18.24	7.979		
2600	2559	2597	2578	12	10	-165.36	-107	234	154	135	19.00	8.084		
2700	2656	2696	2677	13	11	-165.64	-113	246	162	142	19.76	8.181		
2800	2754	2796	2776	13	11	-165.88	-120	258	170	149	20.52	8.271		
2900	2852	2896	2875	14	12	-166.10	-126	270	178	157	21.28	8.355		
3000	2949	2995	2973	14	12	-166.31	-132	282	186	164	22.04	8.432		
3100	3047	3095	3072	15	13	-166.49	-139	295	194	171	22.81	8.505		
3200	3145	3195	3171	15	13	-166.66	-145	307	202	178	23.57	8.572		
3300	3242	3294	3270	16	13	-166.82	-151	319	210	186	24.33	8.636		
3400	3340	3394	3368	16	14	-166.97	-158	331	218	193	25.10	8.695		
3500	3438	3494	3467	17	14	-167.10	-164	343	226	200	25.86	8.751		
3600	3535	3593	3566	17	15	-167.23	-170	355	234	208	26.62	8.804		
3700	3633	3693	3664	18	15	-167.35	-177	367	242	215	27.39	8.854		
3800	3731	3793	3763	19	16	-167.46	-183	379	251	222	28.15	8.901		
3900	3828	3892	3862	19	16	-167.56	-190	391	259	230	28.92	8.946		
4000	3926	3992	3961	20	17	-167.66	-196	403	267	237	29.68	8.988		
4100	4023	4092	4059	20	17	-167.75	-202	416	275	244	30.44	9.029		
4200	4121	4184	4151	21	17	-167.83	-208	427	283	252	31.16	9.089		
4300	4219	4250	4217	21	18	-167.89	-208	431	300	268	31.48	9.521		
4398	4315	4300	4267	22	18	-167.94	-205	430	327	296	31.13	10.505		
4400	4316	4309	4276	22	18	-168.11	-204	429	327	296	31.36	10.441		
4450	4365	4338	4304	22	18	-171.56	-200	427	347	316	31.21	11.131		
4500	4412	4363	4329	22	18	-173.44	-196	424	374	343	31.03	12.041		
4550	4457	4386	4351	23	18	-174.62	-191	421	405	374	30.83	13.147		
4600	4500	4400	4365	23	18	-175.42	-188	419	442	411	30.47	14.499		

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 Com #127H - Slot 3
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 Com #127H	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		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0 ft
Measured Depth (ft)	Reference Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
4650	4540	4421	4385	24	18	-176.01	-183	415	482	452	30.46	15.831			
4700	4578	4434	4397	25	18	-176.46	-180	412	526	495	30.31	17.347			
4750	4612	4450	4412	25	18	-176.82	-175	408	572	542	30.37	18.830			
4800	4643	4450	4412	26	18	-177.14	-175	408	620	590	30.10	20.587			
4850	4670	4450	4412	27	18	-177.53	-175	408	669	639	29.94	22.335			
4900	4693	4450	4412	27	18	-178.94	-175	408	719	689	29.89	24.043			
4950	4713	4450	4412	28	18	3.83	-175	408	769	739	29.92	25.691			
5000	4727	4450	4412	29	18	3.07	-175	408	818	788	30.01	27.265			
5050	4738	4450	4412	30	18	2.85	-175	408	867	837	30.17	28.755			
5100	4744	4450	4412	31	18	2.75	-175	408	916	885	30.37	30.157			
5143	4745	4450	4412	32	18	2.71	-175	408	957	926	30.57	31.294			
5200	4745	4450	4412	33	18	2.71	-175	408	1010	979	30.83	32.755			
5300	4744	4423	4386	35	18	2.68	-183	414	1104	1073	30.78	35.852			
5400	4743	4400	4365	37	18	2.65	-188	419	1198	1168	30.80	38.912			
5500	4743	4400	4365	39	18	2.65	-188	419	1294	1262	31.12	41.563			
5600	4742	4400	4365	41	18	2.65	-188	419	1389	1358	31.39	44.256			
5700	4742	4400	4365	43	18	2.65	-188	419	1486	1454	31.62	46.981			
5800	4741	4380	4345	46	18	2.63	-192	422	1582	1550	31.59	50.082			
5900	4740	4374	4339	48	18	2.63	-194	423	1679	1647	31.70	52.955			
6000	4740	4350	4316	50	18	2.61	-198	426	1776	1745	31.61	56.185			
6100	4739	4350	4316	52	18	2.61	-198	426	1873	1841	31.77	58.959			
6200	4738	4350	4316	55	18	2.61	-198	426	1971	1939	31.92	61.746			
6300	4738	4350	4316	57	18	2.61	-198	426	2068	2036	32.05	64.542			
6400	4737	4350	4316	59	18	2.61	-198	426	2166	2134	32.16	67.346			
6500	4736	4350	4316	62	18	2.61	-198	426	2264	2232	32.27	70.155			
6600	4736	4350	4316	64	18	2.61	-198	426	2362	2330	32.38	72.968			
6700	4735	4350	4316	66	18	2.61	-198	426	2461	2428	32.47	75.782			
6800	4735	4350	4316	69	18	2.61	-198	426	2559	2527	32.56	78.597			
6900	4734	4350	4316	71	18	2.61	-198	426	2658	2625	32.65	81.412			
7000	4733	4329	4296	74	18	2.59	-201	428	2756	2724	32.57	84.634			
7100	4733	4326	4293	76	18	2.59	-202	428	2855	2822	32.63	87.499			
7200	4732	4324	4290	78	18	2.59	-202	428	2954	2921	32.69	90.360			
7300	4731	4322	4288	81	18	2.58	-202	429	3052	3020	32.75	93.215			
7400	4731	4300	4267	83	18	2.57	-205	430	3152	3119	32.66	96.490			
7500	4730	4300	4267	86	18	2.57	-205	430	3250	3218	32.74	99.289			
7600	4730	4300	4267	88	18	2.57	-205	430	3349	3317	32.81	102.082			
7700	4729	4300	4267	90	18	2.57	-205	430	3448	3415	32.88	104.871			
7800	4728	4300	4267	93	18	2.57	-205	430	3547	3514	32.95	107.654			
7900	4728	4300	4267	95	18	2.57	-205	430	3646	3613	33.02	110.430			
8000	4727	4300	4267	98	18	2.57	-205	430	3746	3713	33.09	113.200			
8100	4726	4300	4267	100	18	2.57	-205	430	3845	3812	33.16	115.963			
8200	4726	4300	4267	102	18	2.57	-205	430	3944	3911	33.22	118.718			
8300	4725	4300	4267	105	18	2.57	-205	430	4043	4010	33.29	121.466			
8400	4724	4300	4267	107	18	2.57	-205	430	4143	4109	33.35	124.206			
8500	4724	4300	4267	110	18	2.57	-205	430	4242	4208	33.42	126.937			
8600	4723	4300	4267	112	18	2.57	-205	430	4341	4308	33.48	129.659			
8700	4723	4300	4267	115	18	2.57	-205	430	4441	4407	33.55	132.373			
8800	4722	4300	4267	117	18	2.57	-205	430	4540	4506	33.61	135.078			
8900	4721	4300	4267	120	18	2.57	-205	430	4640	4606	33.68	137.773			
9000	4721	4300	4267	122	18	2.57	-205	430	4739	4705	33.74	140.459			
9100	4720	4300	4267	124	18	2.57	-205	430	4838	4805	33.80	143.134			
9200	4719	4300	4267	127	18	2.57	-205	430	4938	4904	33.87	145.800			

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Lonestar Consulting, LLC

Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
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 Com #127H	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9300	4719	4300	4267	129	18	2.57	-205	430	5038	5004	33.93	148.456		
9400	4718	4300	4267	132	18	2.57	-205	430	5137	5103	34.00	151.101		
9500	4717	4300	4267	134	18	2.57	-205	430	5237	5203	34.06	153.736		
9600	4717	4300	4267	137	18	2.57	-205	430	5336	5302	34.13	156.360		
9700	4716	4300	4267	139	18	2.57	-205	430	5436	5402	34.19	158.974		
9800	4716	4300	4267	142	18	2.57	-205	430	5535	5501	34.26	161.576		
9900	4715	4300	4267	144	18	2.57	-205	430	5635	5601	34.32	164.167		
10,000	4714	4300	4267	147	18	2.57	-205	430	5735	5700	34.39	166.747		
10,100	4714	4300	4267	149	18	2.57	-205	430	5834	5800	34.46	169.316		
10,200	4713	4300	4267	152	18	2.57	-205	430	5934	5899	34.53	171.874		
10,300	4712	4300	4267	154	18	2.57	-205	430	6034	5999	34.59	174.420		
10,400	4712	4300	4267	156	18	2.57	-205	430	6133	6099	34.66	176.954		
10,500	4711	4300	4267	159	18	2.57	-205	430	6233	6198	34.73	179.477		
10,600	4710	4300	4267	161	18	2.57	-205	430	6333	6298	34.80	181.987		
10,700	4710	4300	4267	164	18	2.57	-205	430	6432	6398	34.87	184.486		
10,800	4709	4300	4267	166	18	2.57	-205	430	6532	6497	34.94	186.973		
10,900	4709	4300	4267	169	18	2.57	-205	430	6632	6597	35.01	189.448		
11,000	4708	4300	4267	171	18	2.57	-205	430	6732	6697	35.08	191.911		
11,100	4707	4300	4267	174	18	2.57	-205	430	6831	6796	35.15	194.362		
11,200	4707	4300	4267	176	18	2.57	-205	430	6931	6896	35.22	196.801		
11,300	4706	4300	4267	179	18	2.57	-205	430	7031	6996	35.29	199.227		
11,400	4705	4300	4267	181	18	2.57	-205	430	7131	7095	35.36	201.642		
11,465	4705	4300	4267	183	18	2.57	-205	430	7195	7160	35.41	203.199		

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Lonestar Consulting, LLC

Anticollision Report

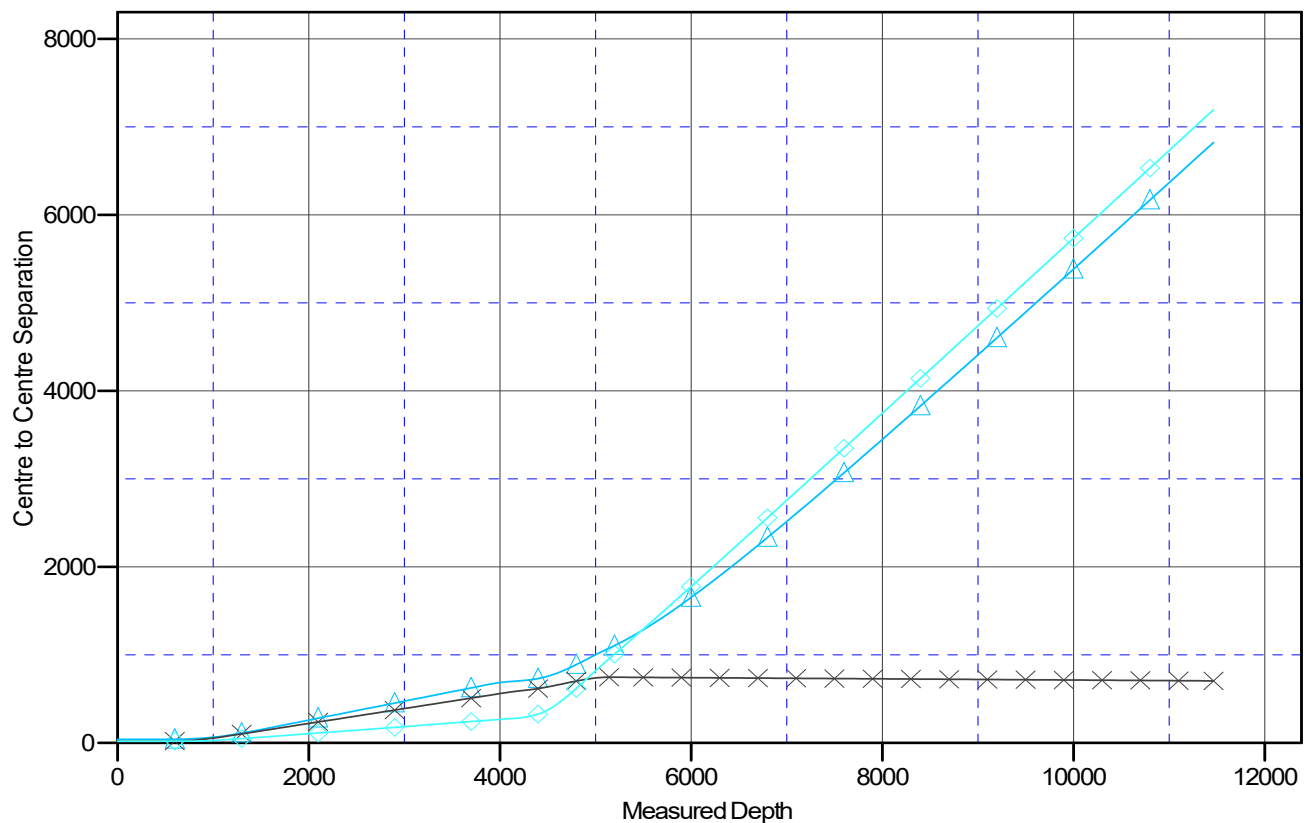


Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Com #127H	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 Com #127H - Slot 3
 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 Qcm#125H Original Drilling APD Rev1 V0
 ✕ Ponderosa I06 2309 Fed Qcm#126H Original Drilling APD Rev1 V0
 ◆ Ponderosa I06 2309 Fed Qcm#128H Original Drilling APD Rev1 V0

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Lonestar Consulting, LLC

Anticollision Report

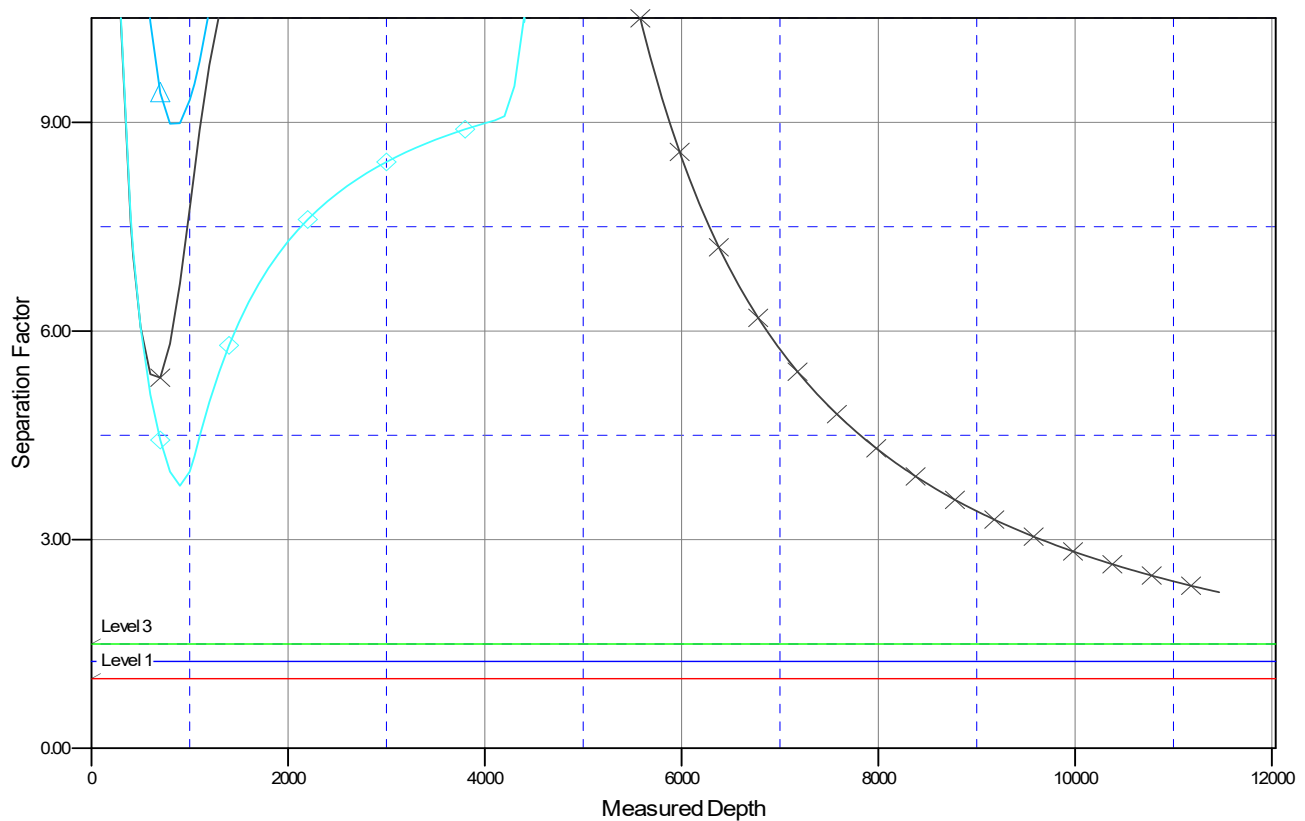


Company:	DJR Operating	Local Co-ordinate Reference:	Well Ponderosa I06 2309 Com #127H - Slot 3
Project:	Ponderosa Unit	TVD Reference:	GL 6692' & RKB 14' @ 6706ft
Reference Site:	I06 2309	MD Reference:	GL 6692' & RKB 14' @ 6706ft
Site Error:	0 ft	North Reference:	True
Reference Well:	Ponderosa I06 2309 Com #127H	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 Com #127H - Slot 3
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: 0.01°

Separation Factor Plot



LEGEND

Ponderosa I06 2309 Fed Qm#125H Original Drilling APD Rev1 V0
 Ponderosa I06 2309 Fed Qm#126H Original Drilling APD Rev1 V0
 Ponderosa I06 2309 Fed Qm#128H Original Drilling APD Rev1 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
#127H PONDEROSA I06 2309 FEDERAL COM
Lease: N0G22272015 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 380942

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID:
	371838
	Action Number:
	380942
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