Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No. 30 015 48980

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*

12. County or Parish

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

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

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/23/2021

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
	24750	Forty Niner Ridge Delaware

4 Property Code	5 Property Name	6 Well Number
	ROADRUNNER FED 25 PAD	7H

7 OGRID NO.	8 Operator Name	9 Elevation
21712	STRATA PRODUCTION COMPANY	3335'

10 Surface Location

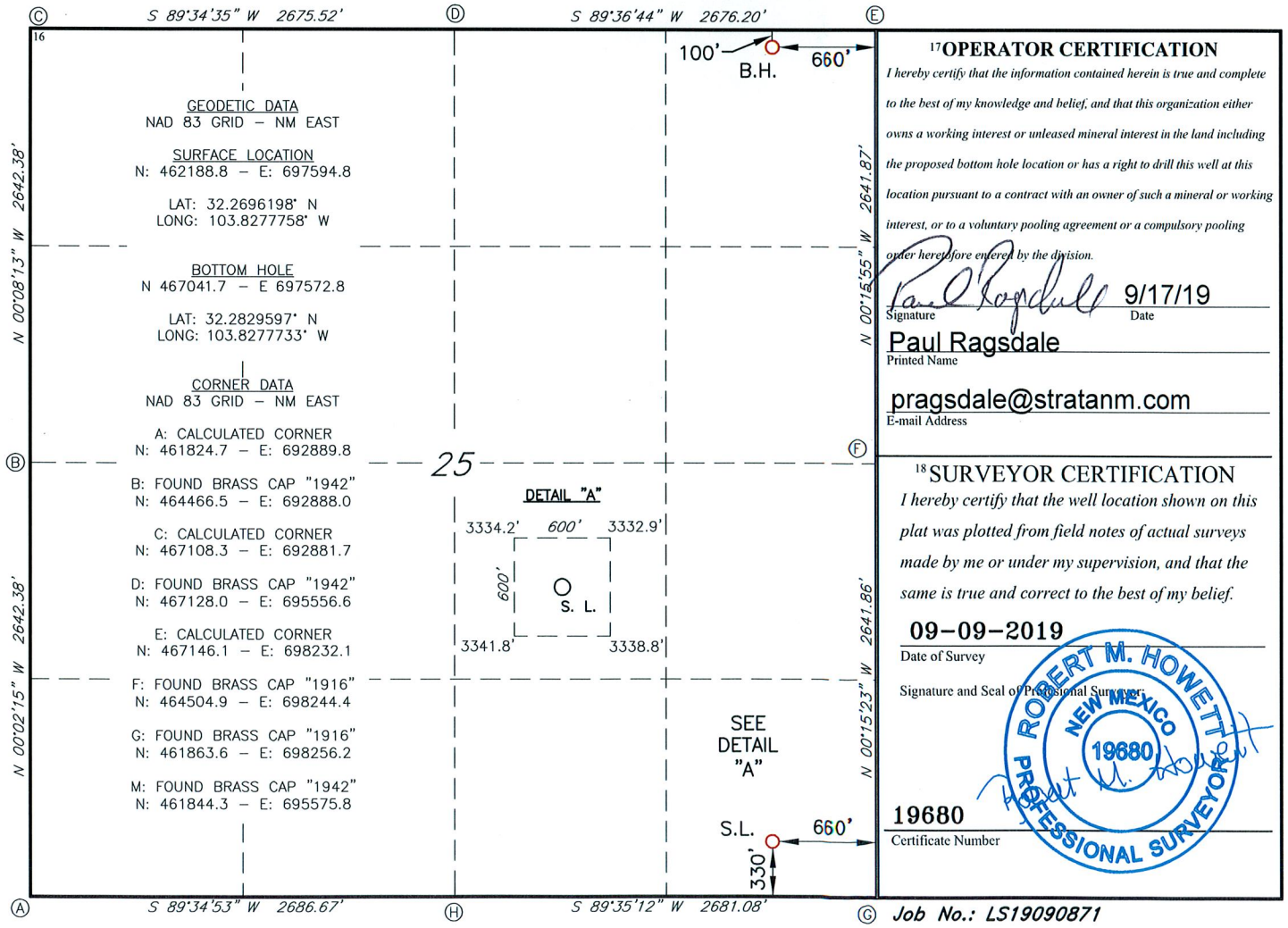
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	25	23S	30E		330	SOUTH	660	EAST	EDDY

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
A	25	23S	30E		100	NORTH	660	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

No allowable will be assigned to this completion until all interest 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 9/17/19 Date

Paul Ragsdale
Printed Name

pragsdale@stratanm.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.

09-09-2019
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

19680
Certificate Number

Job No.: LS19090871

Strata Production Company

Natural Gas Management Plan

Description for Sections:

VI. Separation Equipment

VII. Operational Practices

VIII. Best Management Practices

VI. Separation equipment will be sized by stated manufacture daily throughput capacities and anticipated daily production rates to ensure adequate capacity. Closed vent system piping, compression needs and VRU's will be sized to ensure adequate capacity for anticipated production volumes and conditions.

VII. Strata Production Company (SPC) will take following actions to comply with the regulations listed in 19.15.27.8

A. Venting and flaring of natural gas
SPC will maximize the recovery of natural gas by minimizing the waste, as defined by 19.15.2 NMAC, of natural gas through venting and flaring. SPC will ensure that well(s) will be connected to a natural gas gathering system with sufficient capacity to transport natural gas. If there is not adequate takeaway for the gas, well(s) will be shut in until the natural gas gathering system is available.

B. Venting and flaring during drilling operations
All drilling operations will be equipped with a rig flare located at least 100 ft from the nearest surface hole. Rig flare will be utilized to combust any natural gas that is brought to surface during normal drilling operations. In the case of emergency venting or flaring the volumes will be estimated and reported appropriately.

C. Venting and flaring during completion or recompletion operations
During completion operations any natural gas brought to surface will be flared. Immediately following completions operations, all well flow will be directed to permanent separation equipment. Produced natural gas from separation equipment will be sent to sales. It is not anticipated that gas will not meet pipeline standards. However, if natural gas does not meet gathering pipeline quality specifications, SPC will flare the natural gas for 60 days or until the natural gas meets the pipeline quality specifications, whichever is sooner. SPC will ensure that the flare is sized properly and is equipped with automatic igniter or continuous pilot. The gas

sample will be analyzed twice per week and the gas will be routed into a gathering system as soon as it is confirmed to be within pipeline specifications.

D. Venting and flaring during production operations
Natural gas will not be flared with the exceptions and provisions listed in the 19.15.27.8 D. (1) through (4). If there is not adequate takeaway for the separator gas, well(s) will be shut in until the natural gas gathering system is available with exception of emergency or malfunction situations. Venting and/or flaring volumes will be estimated and reported appropriately.

E. Performance standards
SPC will comply with the performance standards requirements and provisions listed in 19.15.27.8 E. (1) through (8). All equipment will be designed and sized to handle maximum anticipated pressures and throughputs to minimize the waste. Production storage tanks constructed after May 25, 2021, will be equipped with automatic gauging system. Flares constructed after May 25, 2021, will be equipped with automatic igniter or continuous pilot. Flares will be located at least 100' from the well and storage tanks unless otherwise approved by the division. SPC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.

F. Measurement or estimation of vented and flared natural gas
The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared, or beneficially used during production operations, will be measured or estimated. SPC will install equipment to measure the volume of natural gas flared from existing process piping or a flowline piped from equipment such as high-pressure separators, heater treaters, or vapor recovery units associated with a well or facility associated with a well authorized by an APD issued after May 25, 2021, that has an average daily production greater than 60 mcf per day. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, SPC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will 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.

VIII. For maintenance activities involving production equipment and compression, venting will be limited to the depressurization of the subject equipment to ensure safe working conditions. For maintenance of production and compression equipment the associated producing wells will be shut in to eliminate venting. For maintenance of VRU's all gas normally routed to the VRU will be routed to flare to eliminate venting.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Strata Production Company **OGRID:** 21712 **Date:** 09 / 14 / 2021

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
Roadrunner Federal 25 PAD	7H	SEC 25 / T23S / R30E	330 FSL/660 FEL	550	300	950

IV. Central Delivery Point Name: Roadrunner Federal PAD 7H [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
Roadrunner Federal 25 PAD	7H	01/05/2022	01/23/2022	02/02/2022	02/08/2022	02/11/2022

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:	Jerry Elgin
Printed Name:	**Jerry Elgin**
Title:	**Vice President Operations**
E-mail Address:	**jelgin@ stratanm. com**
Date:	**09/14/2021**
Phone:	**575-622-127**

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report
07/27/2021

APD ID: 10400047158
Submission Date: 09/30/2019
Operator Name: STRATA PRODUCTION COMPANY
Well Name: ROADRUNNER FEDERAL 25 PAD
Well Number: 7H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
533334	RUSTLER	3335	297	297	OTHER, SANDSTONE : Redbeds	USEABLE WATER	N
533335	TOP SALT	2715	620	620	ANHYDRITE, SALT	NONE	N
533336	BASE OF SALT	-343	3678	3678	ANHYDRITE, SALT	NONE	N
533337	LAMAR	-690	4025	4025	ANHYDRITE, LIMESTONE	NONE	N
533338	BONE SPRING	-4559	7894	7894	LIMESTONE, SANDSTONE, SHALE	NATURAL GAS, OIL	N

Section 2 - Blowout Prevention

Pressure Rating (PSI): 3M
Rating Depth: 7700

Equipment: Annular, Blind Rams, Double Rams, Mud Gas Separator, Remote kill line and other equipment as listed on 3M attachment.
Requesting Variance? NO

Variance request:

Testing Procedure: BOPE will be tested by an independent service company to 250# psi low pressure and 3000# psi high pressure per Onshore Oil and Gas Order 2 requirements.
Choke Diagram Attachment:

RR_Fed_25_PAD_7H___3M_CHOKE_DIAGRAM_20210524171508.pdf

BOP Diagram Attachment:

RR_Fed_25_PAD__7H_BOP_20190930114217.pdf

RR_Fed_25_PAD__7H_BOPE_DESCRIPTION_20190930114240.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: ROADRUNNER FEDERAL 25 PAD **Well Number:** 7H

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	450	0	450	3335	2885	450	H-40	48	ST&C	1.125	1	DRY	1.8	DRY	1.8
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3800	0	3800	3335	-465	3800	J-55	40	ST&C	1.125	1	DRY	1.8	DRY	1.8
3	PRODUCTION	8.75	5.5	NEW	API	N	0	12456	0	7329	3335	-3994	12456	HCP-110	20	BUTT	2.11	1.5	DRY	1.8	DRY	1.8

Casing Attachments

Casing ID: 1 **String Type:** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

RR_Fed_25_PAD_7H___Casing_Worksheet_V3_20210524170601.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: ROADRUNNER FEDERAL 25 PAD **Well Number:** 7H

Casing Attachments

Casing ID: 2 **String Type:** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

RR_Fed_25_PAD_7H___Casing_Worksheet_V3_20210524170630.pdf

Casing ID: 3 **String Type:** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

RR_Fed_25_PAD_7H___Casing_Worksheet_V3_20210524170723.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	450	475	1.32	14.8	627	100	Class C	2% CaCl2
INTERMEDIATE	Lead		0	3800	575	2.06	12.6	1190	100	35/65 Poz/C	5% PF44 (BWOW), 6% PF20, 3#/skPF42, 1% PF1, .125#/skPF29, .25#/skPF46
INTERMEDIATE	Tail		0	3800	100	1.32	14.8	132	100	Class C	.2%PF13

Operator Name: STRATA PRODUCTION COMPANY

Well Name: ROADRUNNER FEDERAL 25 PAD **Well Number:** 7H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	12456	2750	2.2	12	6052	50	50/50 Poz H	4.58% Bentonite, 5% bwoc MPA-5, 0.2% bwoc FL-52, 5% bwow Sodium Chloride, 5 lbs/sack LCM-1, 0.005 lbs/sack Static Free, 1 glas/100 sack FP-6L, 0.125 lbs/sack Cello Flake, 106.5% Fresh Water.
PRODUCTION	Tail		0	12456	900	1.24	15.6	1116	50	50/50 Poz H	0.3% bwoc FL-52, 0.005, lbs/sack Static Free, 1 gals/100 sack FP-6L, 46.2% Fresh Water.

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Kelly cock in the drill string, a full opening drill pipe stabbing valve on rig floor, remote kill line, mud gas separator.

Describe the mud monitoring system utilized: Pason pit level monitors, hourly weight check and viscosity, gel strength and pH, solids control.

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	450	SPUD MUD	8.3	9	7.4		8	10			Spud with fresh water and build mud while drilling
450	3800	SALT SATURATED	10	10			8	25	180000		Drill with brine water with LCM and gel sweeps

Operator Name: STRATA PRODUCTION COMPANY

Well Name: ROADRUNNER FEDERAL 25 PAD **Well Number:** 7H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
3800	7498	WATER-BASED MUD	9	10	15		8		100000	10	Drill with water based mud using sliders and gel sweeps in the lateral.

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None

List of open and cased hole logs run in the well:

CALIPER,CEMENT BOND LOG,COMPENSATED DENSILOG,DUAL LATERAL LOG/MICRO-SPHERICALLY FOCUSED,GAMMA RAY LOG,MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

None

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 2500 **Anticipated Surface Pressure:** 783

Anticipated Bottom Hole Temperature(F): 125

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

RR_Fed_25_PAD_7H___H2S_Plan_20190930120558.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: ROADRUNNER FEDERAL 25 PAD **Well Number:** 7H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Roadrunner_Fed_25_PAD_7H_CHANGES_20190930120847.pdf

RR_Fed_25_PAD_7H___Wellbore_Diagram_20190930144342.pdf

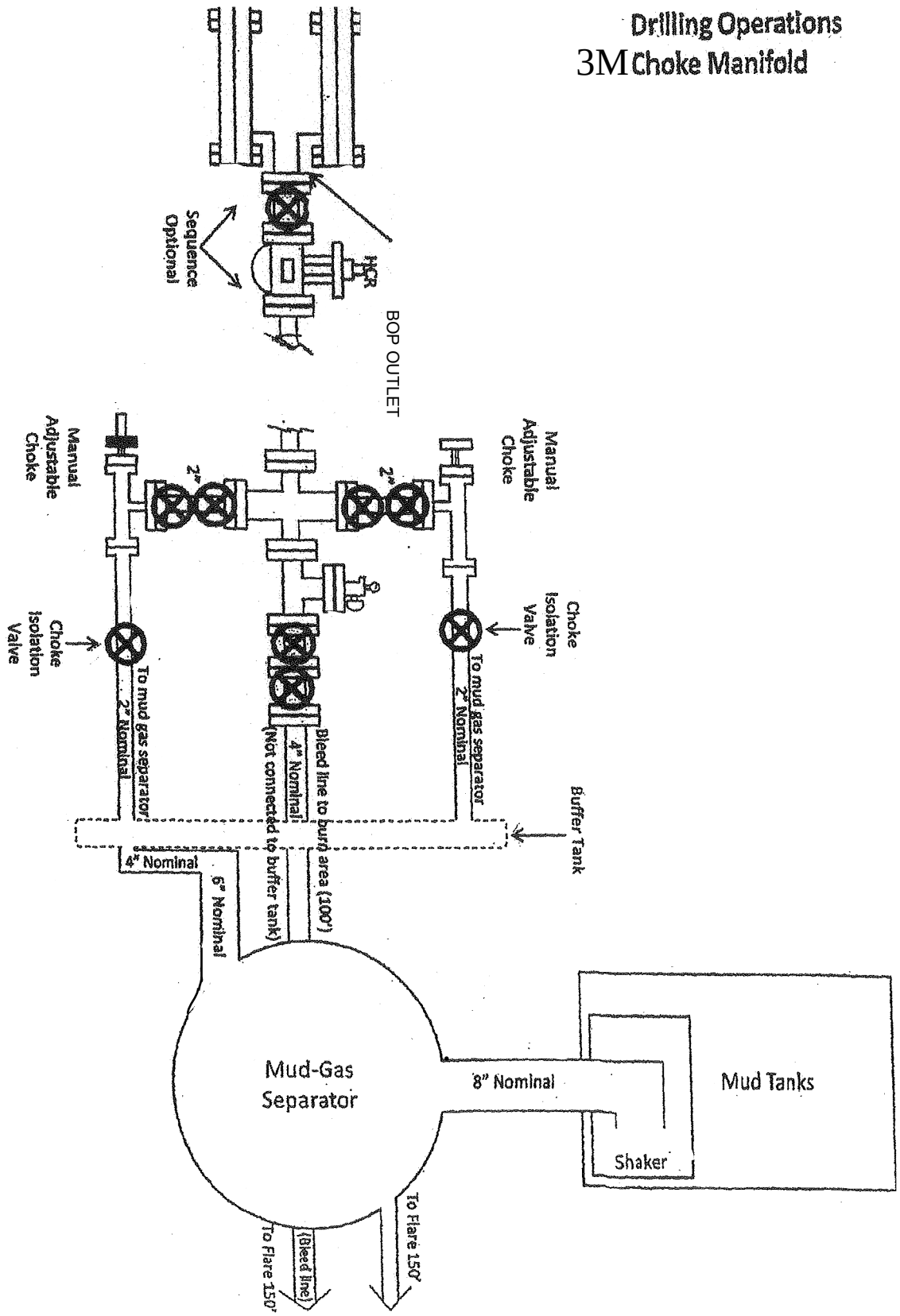
Other proposed operations facets description:

Other proposed operations facets attachment:

RR_Fed_25_PAD_7H__Gas_Capture_Plan_20190930121553.pdf

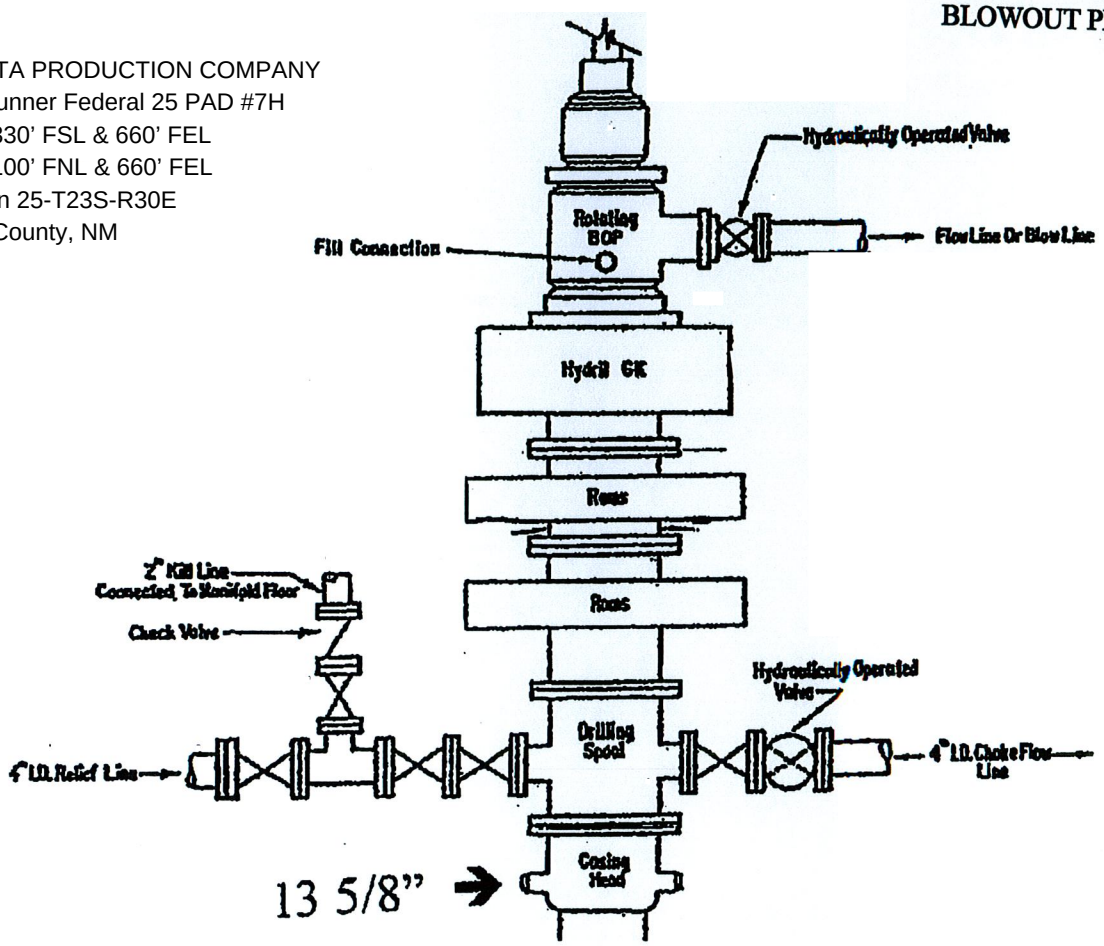
Other Variance attachment:

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330’ FSL & 660’ FEL
BHL: 100’ FNL & 660’ FEL
Section 25-T23S-R30E
Eddy County, NM



3000# PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL & 660' FEL
BHL: 100' FNL & 660' FEL
Section 25-T23S-R30E
Eddy County, NM



The blowout preventer assembly shall consist of one single type blind ram preventer and one single type pipe ram preventer, both hydraulically operated; a Hydril "GK" preventer; a rotating blowout preventer; valves; chokes and connections, as illustrated. If a tapered drill string is used, a ram preventer must be provided for each size of drill pipe. Casing and tubing rams to fit the preventers are to be available as needed. If correct in size, the flanged outlets of the ram preventer may be used for connecting to the 4-inch I.D. choke flow line and 4-inch I.D. relief line, except when air or gas drilling. All preventer connections are to be open-face flanged.

Minimum operating equipment for the preventers and hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a continuous source of power, capable of fluid charging the total accumulator volume from the nitrogen precharge pressure to its rated pressure within____ minutes. Also, the pumps are to be connected to the hydraulic operating system which is to be a closed system. (2) Accumulators with a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the charging pumps shut down, the pressurized fluid volume stored in the accumulators must be sufficient to close all the pressure-operated devices simultaneously within_____ seconds; after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least____ percent of the original. (3) When requested, an additional source of power, remote and equivalent, is to be available to operate the above pumps; or there shall be additional pumps operated by separate power and equal in performance capabilities.

The closing manifold and remote closing manifold shall have a separate control for each pressure-operated device. Controls are to be labeled, with control handles indicating open and closed positions. A pressure reducer and regulator must be provided for operating the Hydril preventer. When requested, a second pressure reducer shall be available to limit operating fluid pressures to ram preventers. Gulf Legion No. 38 hydraulic oil, an equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, relief line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line, relief line, and choke lines shall be constructed as straight as possible and without sharp bends. Easy and safe access is to be maintained to the choke manifold. If deemed necessary, walkways and stairways shall be erected in and around the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves and relief line valves connected to the drilling spool and all ram type preventers must be equipped with stem extensions, universal joints if needed, and hand wheels which are to extend beyond the edge of the derrick substructure. All other valves are to be equipped with handles.

* To include derrick floor mounted controls.

BLOWOUT PREVENTER EQUIPMENT DESCRIPTION

All equipment should be at least 3,000 psi WP or higher unless otherwise specified.

1. Bell Nipple.
2. Hydril bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 3" and one 2" (minimum) outlet.
5. 2" (minimum) flanged plug or gate valve.
6. 2"x 2"x 2" (minimum) flanged.
7. 3" gate valve.
8. Ram type pressure operated blowout preventer with pipe rams.
9. Flanged type casing head with one side outlet.
10. 2" threaded (or flanged) plug or gate valve. Flanged on 5000# WP, threaded on 3000# WP or less.
11. 3" flanged spacer spool.
12. 3"x 2" x 2"x 2" flanged cross.
13. 2" flanged plug or gate valve.
14. 2" flanged adjustable choke.
15. 2" threaded flange.
16. 2" XXH Nipple.
17. 2" forged steel 90 Ell.
18. Cameron (or equal) threaded pressure gauge.
19. Threaded flange.
20. 2" flanged tee.
21. 2" flanged plug or gate valve.
22. 2 ½" pipe, 300' to pit, anchored.
23. 2 ½" SE valve.
24. 2 ½" line to steel pit or separator.

NOTES:

1). Items 3, 4, and 8 may be replaced with double ram type preventer with side outlets between the rams.

2). The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.

3). Kill line is for emergency use only. This connection shall not be used for filling.

4). Replacement pipe rams and blind rams shall always be on location.

5). Only type U, LSW and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.

6). Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL & 660' FEL
BHL: 100' FNL & 660' FEL
Section 25-T23S-R30E
Eddy County, NM

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL 660' FEL
BHL: 100' FNL 660' FEL
Section 25-T23S-R30E
Eddy County, NM

CASING ASSUMPTIONS WORKSHEET

CASING ID	String Type	Hole Size (IN)	Casing Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated Csg Length MD	Grade	Weight	Joint Type	Collapse Safety Factor	Burst Safety Factor	Jt Tensile SF Type	Jt Tensile SF	Body Tensile SF Type	Body Tensile SF
1	SURFACE	17.5	13.375	NEW	API	N	0	450	0	450	3335	2885	450	H-40	48#	STC	1.125	1	DRY	1.8	DRY	1.8
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3800	0	3800	3335	-465	3800	J-55	40#	STC	1.125	1	DRY	1.8	DRY	1.8
3	PRODUCTION	8.75	5.50	NEW	API	N	0	12456	0	7329	3335	-3994	12456	HCP-110	20#	BUTT	2.11	1.5	DRY	1.8	DRY	1.8

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL 660' FEL
BHL: 100' FNL 660' FEL
Section 25-T23S-R30E
Eddy County, NM

CASING ASSUMPTIONS WORKSHEET

CASING ID	String Type	Hole Size (IN)	Casing Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated Csg Length MD	Grade	Weight	Joint Type	Collapse Safety Factor	Burst Safety Factor	Jt Tensile SF Type	Jt Tensile SF	Body Tensile SF Type	Body Tensile SF
1	SURFACE	17.5	13.375	NEW	API	N	0	450	0	450	3335	2885	450	H-40	48#	STC	1.125	1	DRY	1.8	DRY	1.8
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3800	0	3800	3335	-465	3800	J-55	40#	STC	1.125	1	DRY	1.8	DRY	1.8
3	PRODUCTION	8.75	5.50	NEW	API	N	0	12456	0	7329	3335	-3994	12456	HCP-110	20#	BUTT	2.11	1.5	DRY	1.8	DRY	1.8

STRATA PRODUCTION COMPANY
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL 660' FEL
BHL: 100' FNL 660' FEL
Section 25-T23S-R30E
Eddy County, NM

CASING ASSUMPTIONS WORKSHEET

CASING ID	String Type	Hole Size (IN)	Casing Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated Csg Length MD	Grade	Weight	Joint Type	Collapse Safety Factor	Burst Safety Factor	Jt Tensile SF Type	Jt Tensile SF	Body Tensile SF Type	Body Tensile SF
1	SURFACE	17.5	13.375	NEW	API	N	0	450	0	450	3335	2885	450	H-40	48#	STC	1.125	1	DRY	1.8	DRY	1.8
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3800	0	3800	3335	-465	3800	J-55	40#	STC	1.125	1	DRY	1.8	DRY	1.8
3	PRODUCTION	8.75	5.50	NEW	API	N	0	12456	0	7329	3335	-3994	12456	HCP-110	20#	BUTT	2.11	1.5	DRY	1.8	DRY	1.8

Patriot Royalty Company
Project: Eddy County, NM
Site: Sec 25-T23S-R30E
Well: Roadrunner Fed 25 PAL #7H
Wellbore: Wellbore #1
Plan: Plan #1 (Roadrunner Fed 25 PAL #7H/Wellbore #1)

WELL DETAILS: Roadrunner Fed 25 PAL #7H

Ground Elevation:: 3335.0
RKB Elevation: 3335+20 @ 3355.0usft
Rig Name:

Northing	Easting	Latitude	Longitude
462188.80	697594.80	32° 16' 10.632 N	103° 49' 39.993 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL Roadrunner Fed 25 PAL #7H - plan hits target center	7799.0	4852.9	-22.0	467041.70	697572.80	32° 16' 58.655 N	103° 49' 39.983 W

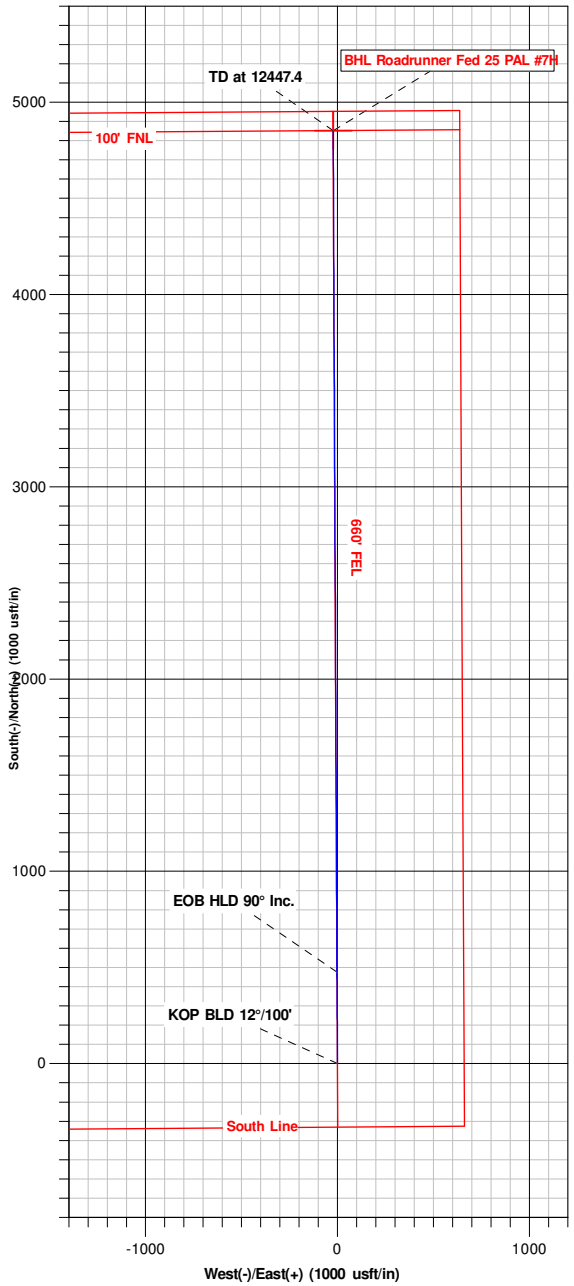
Section Details

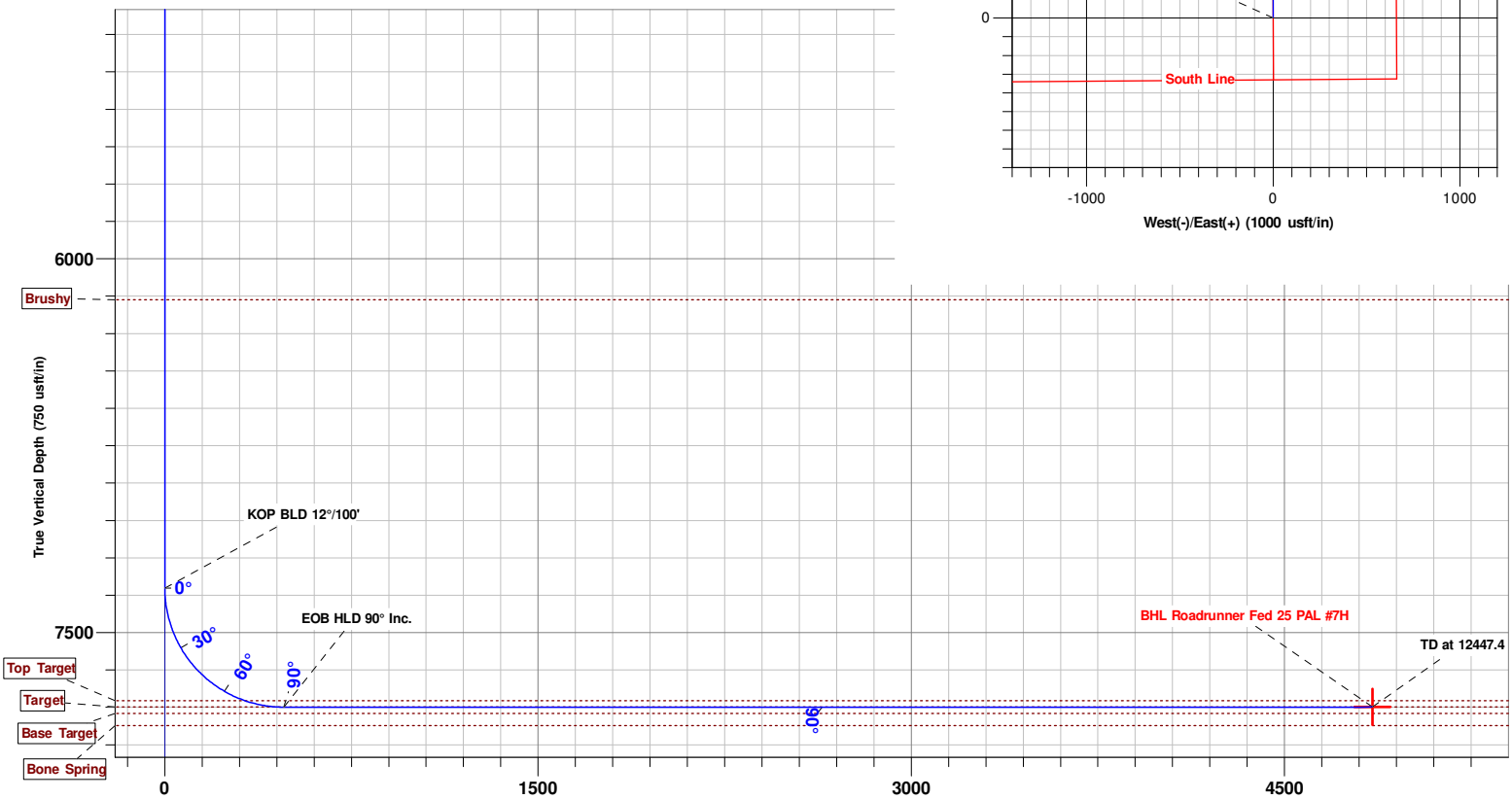
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
7321.9	0.00	0.00	7321.9	0.0	0.0	0.00	0.00	0.0
8071.9	90.00	359.74	7799.4	477.5	-2.2	12.00	359.74	477.5
12447.4	90.00	359.74	7799.0	4852.9	-22.0	0.00	0.00	4852.9

Azimuths to Grid North
True North: -0.27°
Magnetic North: 6.36°

Magnetic Field
Strength: 47515.2nT
Dip Angle: 60.01°
Date: 08/02/2021
Model: IGRF2015

PANTHER





Strata Production Company
Roadrunner Federal 25 PAD #7H
SHL: 330' FSL & 660' FEL
BHL: 100' FNL & 660' FEL
Section 25-T23S-R30E
Eddy County, NM

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

A. The hazards and characteristics of hydrogen sulfide (H_2S).

B. The proper use and maintenance of personal protective equipment and life support systems.

C. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.

D. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

A. The effects of H_2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.

B. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.

C. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H_2S zone (within 3 days or 500 feet) and weekly H_2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H_2S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All

personnel will be required to carry documentation that they have received the proper training.

II. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H_2S.

A. Well Control Equipment:
All BOP and BOP equipment is shown in the attachments.
Flare line.
Choke manifold with a remotely operated choke as shown in Attachment #5.
Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
Auxiliary equipment to include annular preventer, mud-gas separator, rotating head.

B. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

C. H_2S detection and monitoring equipment:

2 - portable H_2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H_2S levels of 20 ppm are reached.

D. Visual warning systems:

Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate.

Wind Direction indicators as seen in the H2S Well Site Diagram.

E. Mud Program: The mud program has been designed to minimize the volume of H_2S circulated to the surface.

F. Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H_2S service.

G. Communication:

Company vehicles equipped with cellular telephone.

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

1. ***BEARDS OR CONTACT LENSES NOT ALLOWED***
2. ***HARD HATS REQUIRED***
3. ***SMOKING IN DESIGNATED AREAS ONLY***
4. ***BE WIND CONSCIOUS AT ALL TIMES***
5. ***CK WITH STRATA FOREMAN AT MAIN OFFICE***

STRATA PRODUCTION COMPANY

575-622-1127 EXT 18
575-626-7909

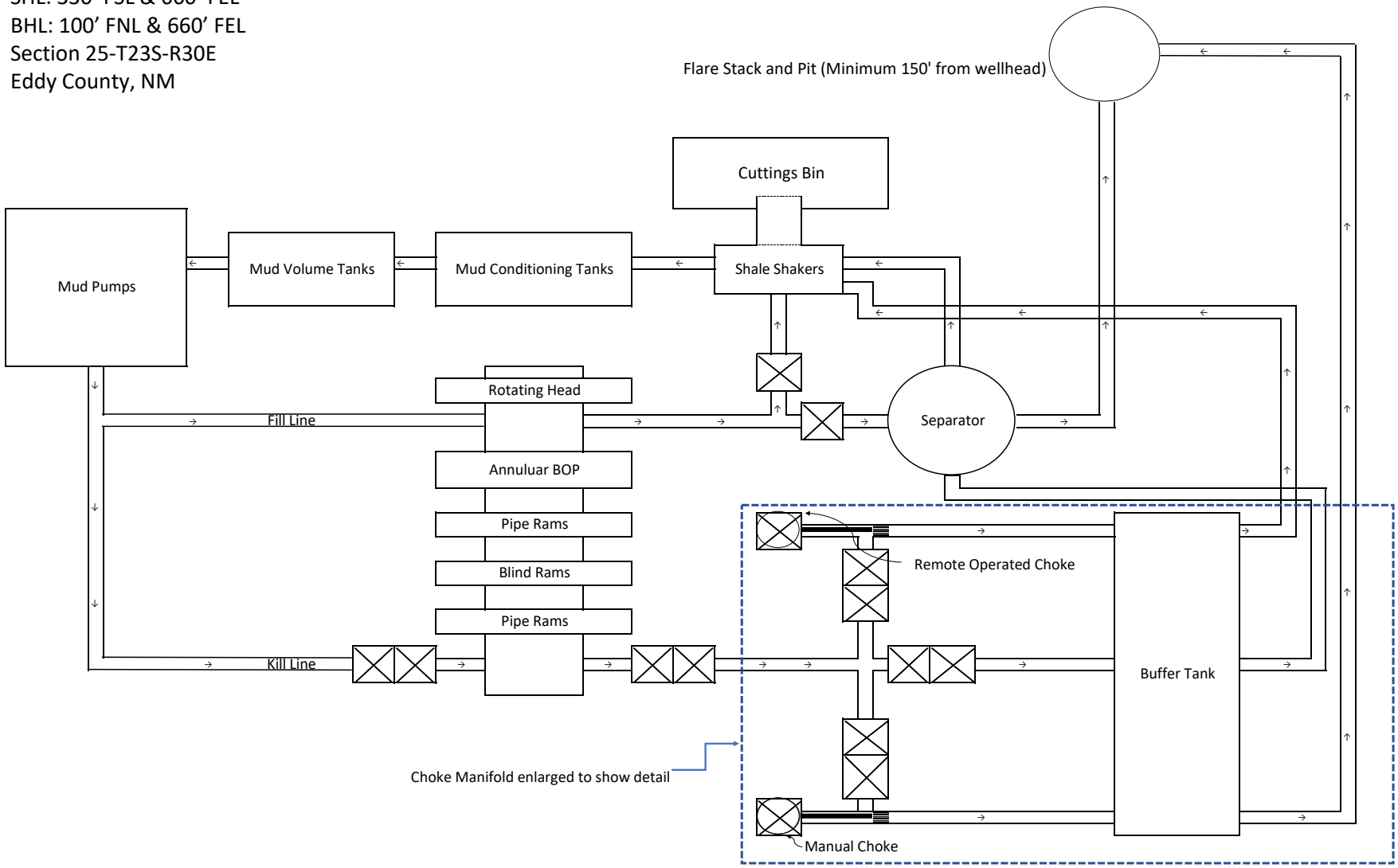
EMERGENCY NUMBERS

911 Must have Correct County & State & Directions to your location

Eddy County Sheriff's Office	**575-887-7551**
Lea County Sherrif's Office (Lovington)	**575-396-3611**
New Mexico State Police (Roswell)	**575-622-7200**
Eastern NM Medical Center (Roswell)	**575-622-8170**
Lea Regional Hospital (Hobbs)	**575-492-5000**
Carlsbad Hospital	**575-887-4100**
Carlsbad Fire Department	**575-885-3125**
Ambulance Service	**575-885-2111**

BLM Carlsbad	**575-234-5972**
BLM Hobbs	**575-393-3612**
NMOCD Hobbs	**575-393-6161**
Mosaic Potash Carlsbad	**575-887-2871**
Strata Office	**575-622-1127**
Paul Ragsdale	**575-626-7903**
Dwight Adamson	**575-626-8657**
	575-840-3126 personal
Mitch Krakauskas	**575-420-1181**
Richard Marr	**575-626-1479**
Perry Nichols	**575-626-7220**

Roadrunner Federal 25 PAD #7H
SHL: 330’ FSL & 660’ FEL
BHL: 100’ FNL & 660’ FEL
Section 25-T23S-R30E
Eddy County, NM



Strata Production Company

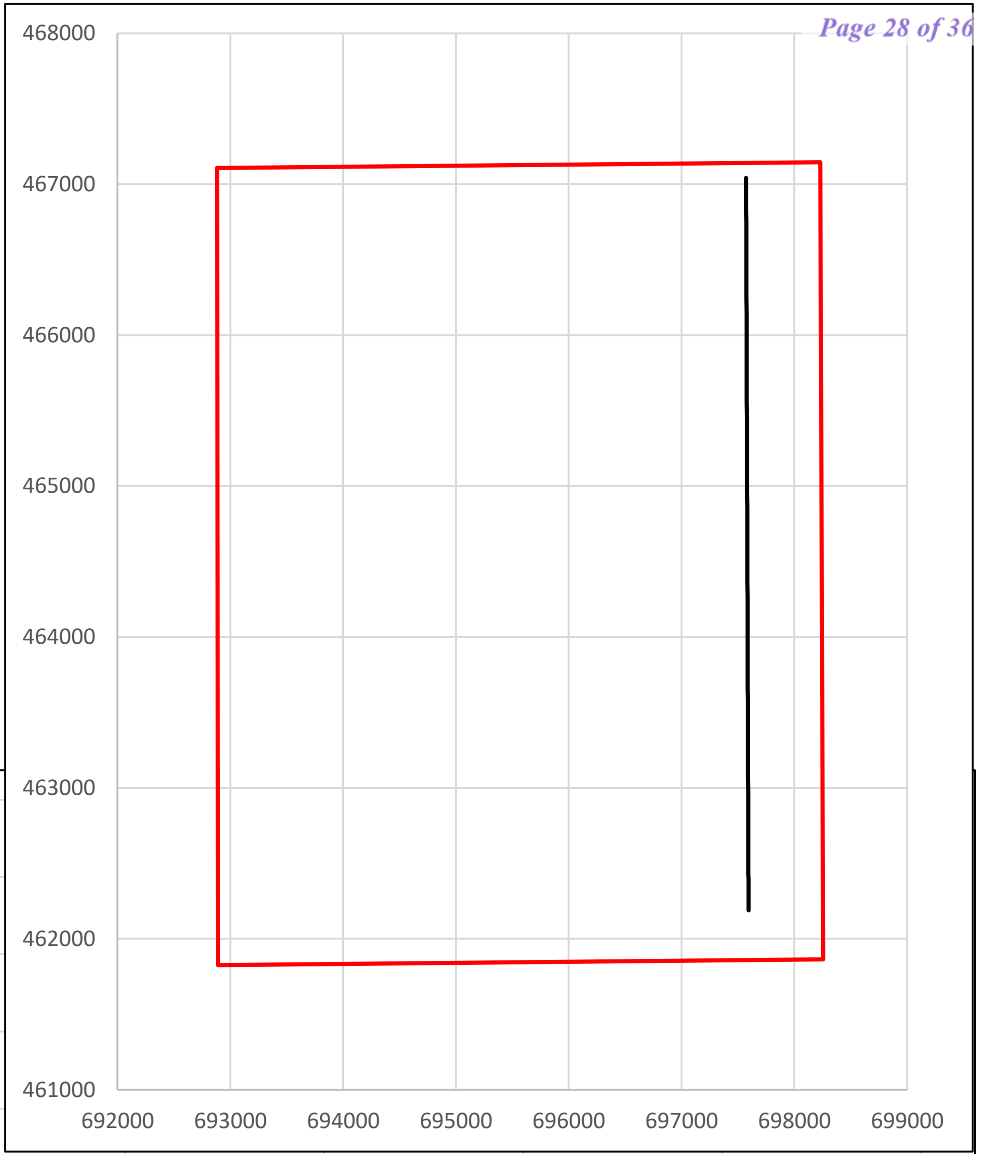
Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

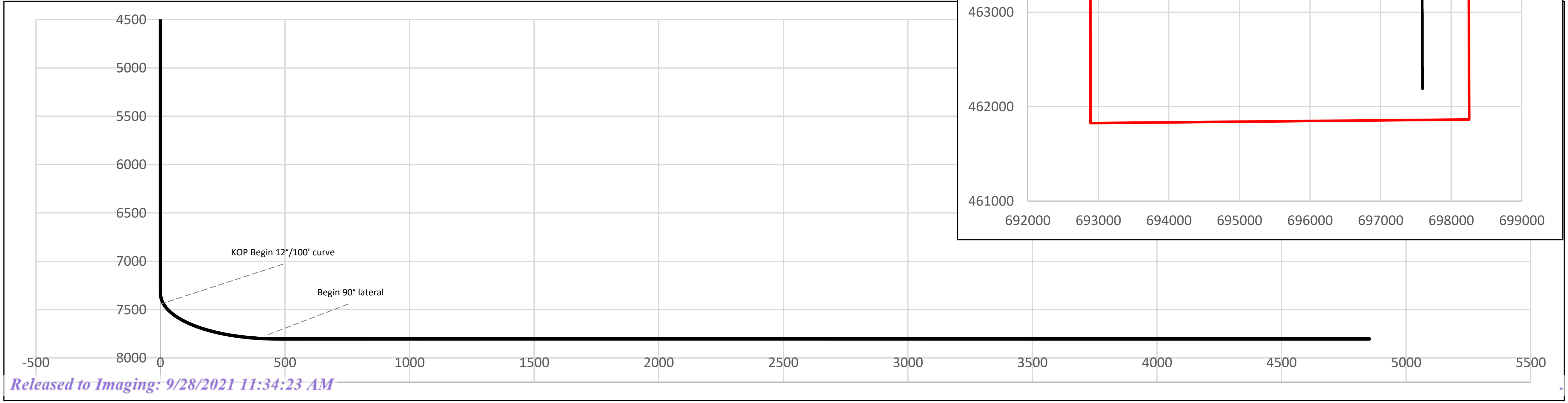
MD	INC	AZ	TVD	+N/-S	+E/-W	DLEG	VSEC
0	0	0	0	0	0	0	0
7329	0	0	7329	0	0	0	0
8077	90	359.74	7804	474	-2.2	12	474
12456	90	359.74	7804	4852.9	-22	0	4852.95

Geodetic System: US state Plane 1983
Datum: North American Datum 1983
Ellipsoid GRS 1980
Zone: New Mexico East

System Datum: Mean Seal Level
Depth Reference: GL @ 3335.00 ft
Surface Location

Northing	Easting	Latitude	Longitude
462188.8	697594.8	32.2696198° N	103.8277758° W





Strata Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

MD	INC	AZ	TVD (FT)	DX (FT)	DY(FT)	X	Y	SUBSEA	SEG LENGTH	SEG INC	OFFSET
0	0	0	0	0	0	697594.8	462188.8	3335	0	0	0
99.04	0	0	99.04	0	0	697594.8	462188.8	3235.96	99.04	0	0
198.08	0	0	198.08	0	0	697594.8	462188.8	3136.92	99.04	0	0
297.12	0	0	297.12	0	0	697594.8	462188.8	3037.88	99.04	0	0
396.16	0	0	396.16	0	0	697594.8	462188.8	2938.84	99.04	0	0
495.2	0	0	495.2	0	0	697594.8	462188.8	2839.8	99.04	0	0
594.24	0	0	594.24	0	0	697594.8	462188.8	2740.76	99.04	0	0
693.28	0	0	693.28	0	0	697594.8	462188.8	2641.72	99.04	0	0
792.32	0	0	792.32	0	0	697594.8	462188.8	2542.68	99.04	0	0
891.36	0	0	891.36	0	0	697594.8	462188.8	2443.64	99.04	0	0
990.41	0	0	990.41	0	0	697594.8	462188.8	2344.59	99.04	0	0
1089.45	0	0	1089.45	0	0	697594.8	462188.8	2245.55	99.04	0	0
1188.49	0	0	1188.49	0	0	697594.8	462188.8	2146.51	99.04	0	0
1287.53	0	0	1287.53	0	0	697594.8	462188.8	2047.47	99.04	0	0
1386.57	0	0	1386.57	0	0	697594.8	462188.8	1948.43	99.04	0	0
1485.61	0	0	1485.61	0	0	697594.8	462188.8	1849.39	99.04	0	0
1584.65	0	0	1584.65	0	0	697594.8	462188.8	1750.35	99.04	0	0
1683.69	0	0	1683.69	0	0	697594.8	462188.8	1651.31	99.04	0	0
1782.73	0	0	1782.73	0	0	697594.8	462188.8	1552.27	99.04	0	0
1881.77	0	0	1881.77	0	0	697594.8	462188.8	1453.23	99.04	0	0
1980.81	0	0	1980.81	0	0	697594.8	462188.8	1354.19	99.04	0	0
2079.85	0	0	2079.85	0	0	697594.8	462188.8	1255.15	99.04	0	0
2178.89	0	0	2178.89	0	0	697594.8	462188.8	1156.11	99.04	0	0
2277.93	0	0	2277.93	0	0	697594.8	462188.8	1057.07	99.04	0	0
2376.97	0	0	2376.97	0	0	697594.8	462188.8	958.03	99.04	0	0
2476.01	0	0	2476.01	0	0	697594.8	462188.8	858.99	99.04	0	0
2575.05	0	0	2575.05	0	0	697594.8	462188.8	759.95	99.04	0	0
2674.09	0	0	2674.1	0	0	697594.8	462188.8	660.91	99.04	0	0
2773.14	0	0	2773.14	0	0	697594.8	462188.8	561.86	99.04	0	0
2872.18	0	0	2872.18	0	0	697594.8	462188.8	462.82	99.04	0	0
2971.22	0	0	2971.22	0	0	697594.8	462188.8	363.78	99.04	0	0
3070.26	0	0	3070.26	0	0	697594.8	462188.8	264.74	99.04	0	0

Strata Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

MD	INC	AZ	TVD (FT)	DX (FT)	DY(FT)	X	Y	SUBSEA	SEG LENGTH	SEG INC	OFFSET
3169.3	0	0	3169.3	0	0	697594.8	462188.8	165.7	99.04	0	0
3268.34	0	0	3268.34	0	0	697594.8	462188.8	66.66	99.04	0	0
3367.38	0	0	3367.38	0	0	697594.8	462188.8	-32.38	99.04	0	0
3466.42	0	0	3466.42	0	0	697594.8	462188.8	-131.42	99.04	0	0
3565.46	0	0	3565.46	0	0	697594.8	462188.8	-230.46	99.04	0	0
3664.5	0	0	3664.5	0	0	697594.8	462188.8	-329.5	99.04	0	0
3763.54	0	0	3763.54	0	0	697594.8	462188.8	-428.54	99.04	0	0
3862.58	0	0	3862.58	0	0	697594.8	462188.8	-527.58	99.04	0	0
3961.62	0	0	3961.62	0	0	697594.8	462188.8	-626.62	99.04	0	0
4060.66	0	0	4060.66	0	0	697594.8	462188.8	-725.66	99.04	0	0
4159.7	0	0	4159.7	0	0	697594.8	462188.8	-824.7	99.04	0	0
4258.74	0	0	4258.74	0	0	697594.8	462188.8	-923.74	99.04	0	0
4357.78	0	0	4357.78	0	0	697594.8	462188.8	-1022.78	99.04	0	0
4456.82	0	0	4456.82	0	0	697594.8	462188.8	-1121.82	99.04	0	0
4555.87	0	0	4555.87	0	0	697594.8	462188.8	-1220.87	99.04	0	0
4654.91	0	0	4654.91	0	0	697594.8	462188.8	-1319.91	99.04	0	0
4753.95	0	0	4753.95	0	0	697594.8	462188.8	-1418.95	99.04	0	0
4852.99	0	0	4852.99	0	0	697594.8	462188.8	-1517.99	99.04	0	0
4952.03	0	0	4952.03	0	0	697594.8	462188.8	-1617.03	99.04	0	0
5051.07	0	0	5051.07	0	0	697594.8	462188.8	-1716.07	99.04	0	0
5150.11	0	0	5150.11	0	0	697594.8	462188.8	-1815.11	99.04	0	0
5249.15	0	0	5249.15	0	0	697594.8	462188.8	-1914.15	99.04	0	0
5348.19	0	0	5348.19	0	0	697594.8	462188.8	-2013.19	99.04	0	0
5447.23	0	0	5447.23	0	0	697594.8	462188.8	-2112.23	99.04	0	0
5546.27	0	0	5546.27	0	0	697594.8	462188.8	-2211.27	99.04	0	0
5645.31	0	0	5645.31	0	0	697594.8	462188.8	-2310.31	99.04	0	0
5744.35	0	0	5744.35	0	0	697594.8	462188.8	-2409.35	99.04	0	0
5843.39	0	0	5843.39	0	0	697594.8	462188.8	-2508.39	99.04	0	0
5942.43	0	0	5942.43	0	0	697594.8	462188.8	-2607.43	99.04	0	0
6041.47	0	0	6041.47	0	0	697594.8	462188.8	-2706.47	99.04	0	0
6140.51	0	0	6140.51	0	0	697594.8	462188.8	-2805.51	99.04	0	0

Strata Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

MD	INC	AZ	TVD (FT)	DX (FT)	DY(FT)	X	Y	SUBSEA	SEG LENGTH	SEG INC	OFFSET
6239.55	0	0	6239.55	0	0	697594.8	462188.8	-2904.55	99.04	0	0
6338.6	0	0	6338.6	0	0	697594.8	462188.8	-3003.6	99.04	0	0
6437.64	0	0	6437.64	0	0	697594.8	462188.8	-3102.64	99.04	0	0
6536.68	0	0	6536.68	0	0	697594.8	462188.8	-3201.68	99.04	0	0
6635.72	0	0	6635.72	0	0	697594.8	462188.8	-3300.72	99.04	0	0
6734.76	0	0	6734.76	0	0	697594.8	462188.8	-3399.76	99.04	0	0
6833.8	0	0	6833.8	0	0	697594.8	462188.8	-3498.8	99.04	0	0
6932.84	0	0	6932.84	0	0	697594.8	462188.8	-3597.84	99.04	0	0
7031.88	0	0	7031.88	0	0	697594.8	462188.8	-3696.88	99.04	0	0
7130.92	0	0	7130.92	0	0	697594.8	462188.8	-3795.92	99.04	0	0
7229.96	0	0	7229.96	0	0	697594.8	462188.8	-3894.96	99.04	0	0
7329	0	0	7329	0	0	697594.8	462188.8	-3994	99.04	0	0
7360.92	3.51045	359.7254	7360.9	0	0.98	697594.8	462189.8	-4025.9	31.92	1.75522	0.98
7392.32	7.0788	359.726	7392.16	-0.02	3.87	697594.8	462192.7	-4057.16	31.39	5.29465	3.87
7423.24	10.63494	359.7264	7422.71	-0.04	8.63	697594.8	462197.4	-4087.71	30.92	8.85684	8.63
7453.75	14.2382	359.7269	7452.5	-0.07	15.2	697594.7	462204	-4117.5	30.51	12.43667	15.2
7485.78	18.04396	359.7273	7483.26	-0.12	24.11	697594.7	462212.9	-4148.26	32.02	16.14107	24.11
7516.53	21.77966	359.7279	7512.16	-0.16	34.58	697594.6	462223.4	-4177.16	30.75	19.91178	34.58
7547.93	25.59683	359.7284	7540.91	-0.22	47.19	697594.6	462236	-4205.91	31.4	23.68815	47.19
7579.08	29.45264	359.7289	7568.54	-0.29	61.58	697594.5	462250.4	-4233.54	31.16	27.52458	61.59
7610.06	33.2734	359.7295	7594.98	-0.37	77.7	697594.4	462266.5	-4259.98	30.97	31.363	77.7
7640.89	37.13094	359.7301	7620.17	-0.45	95.47	697594.4	462284.3	-4285.17	30.83	35.20257	95.47
7672.53	41.06576	359.7307	7644.72	-0.55	115.42	697594.3	462304.2	-4309.72	31.64	39.09807	115.42
7703.22	44.92521	359.7314	7667.16	-0.64	136.34	697594.2	462325.1	-4332.16	30.69	42.99563	136.35
7734.8	48.86287	359.732	7688.74	-0.75	159.4	697594.1	462348.2	-4353.74	31.59	46.8941	159.4
7765.53	52.72638	359.7327	7708.16	-0.86	183.21	697593.9	462372	-4373.16	30.73	50.79419	183.21
7797.26	56.66927	359.7334	7726.49	-0.98	209.09	697593.8	462397.9	-4391.49	31.73	54.69841	209.1
7828.21	60.53764	359.7342	7742.61	-1.11	235.51	697593.7	462424.3	-4407.61	30.96	58.60285	235.52
7859.36	64.37139	359.7349	7757.01	-1.24	263.12	697593.6	462451.9	-4422.01	31.14	62.4547	263.12
7890.74	68.241	359.7357	7769.62	-1.37	291.85	697593.4	462480.7	-4434.62	31.38	66.30597	291.85
7921.47	71.95799	359.7365	7780.08	-1.5	320.74	697593.3	462509.5	-4445.08	30.73	70.1002	320.75
7952.53	75.70559	359.7374	7788.73	-1.64	350.57	697593.2	462539.4	-4453.73	31.06	73.83138	350.57

Strata Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

MD	INC	AZ	TVD (FT)	DX (FT)	DY(FT)	X	Y	SUBSEA	SEG LENGTH	SEG INC	OFFSET
7983.98	79.4057	359.7382	7795.5	-1.78	381.27	697593	462570.1	-4460.5	31.45	77.55599	381.28
8014.9	83.01408	359.7391	7800.23	-1.92	411.83	697592.9	462600.6	-4465.23	30.92	81.20928	411.83
8046.3	86.56639	359.74	7803.08	-2.06	443.09	697592.7	462631.9	-4468.08	31.4	84.79101	443.09
8077.23	90.01619	359.7409	7804	-2.2	474	697592.6	462662.8	-4469	30.93	88.29092	474.01
8186.7	90.0146	359.7409	7803.97	-2.69	583.47	697592.1	462772.3	-4468.97	109.47	90.01533	583.48
8286.23	90.01321	359.7409	7803.95	-3.14	682.99	697591.7	462871.8	-4468.95	99.52	90.01406	683
8385.75	90.01186	359.7409	7803.93	-3.59	782.51	697591.2	462971.3	-4468.93	99.52	90.01237	782.52
8485.27	90.01058	359.7409	7803.91	-4.04	882.03	697590.8	463070.8	-4468.91	99.52	90.01124	882.04
8584.79	90.00933	359.7409	7803.89	-4.49	981.55	697590.3	463170.4	-4468.89	99.52	90.01012	981.56
8684.31	90.00815	359.7409	7803.87	-4.94	1081.07	697589.9	463269.9	-4468.87	99.52	90.00871	1081.09
8783.83	90.007	359.7409	7803.86	-5.39	1180.6	697589.4	463369.4	-4468.86	99.52	90.00759	1180.61
8883.35	90.00591	359.7409	7803.85	-5.84	1280.12	697589	463468.9	-4468.85	99.52	90.00647	1280.13
8982.88	90.00486	359.7409	7803.84	-6.29	1379.64	697588.5	463568.4	-4468.84	99.52	90.00534	1379.65
9082.4	90.00388	359.7409	7803.83	-6.74	1479.16	697588.1	463668	-4468.83	99.52	90.00422	1479.17
9181.92	90.00293	359.7409	7803.83	-7.19	1578.68	697587.6	463767.5	-4468.83	99.52	90.00337	1578.69
9281.44	90.00205	359.7409	7803.82	-7.64	1678.2	697587.2	463867	-4468.82	99.52	90.00253	1678.21
9380.96	90.00121	359.7409	7803.82	-8.09	1777.72	697586.7	463966.5	-4468.82	99.52	90.00169	1777.74
9480.48	90.00043	359.7409	7803.82	-8.54	1877.24	697586.3	464066	-4468.82	99.52	90.00084	1877.26
9580	89.99967	359.7409	7803.82	-8.99	1976.76	697585.8	464165.6	-4468.82	99.52	90	1976.78
9679.53	89.999	359.7409	7803.82	-9.44	2076.28	697585.4	464265.1	-4468.82	99.52	89.99944	2076.3
9779.05	89.99834	359.7409	7803.82	-9.89	2175.8	697584.9	464364.6	-4468.82	99.52	89.99859	2175.82
9878.57	89.99777	359.7409	7803.82	-10.34	2275.32	697584.5	464464.1	-4468.82	99.52	89.99803	2275.34
9978.09	89.99722	359.7409	7803.83	-10.79	2374.84	697584	464563.6	-4468.83	99.52	89.99747	2374.87
10077.61	89.99674	359.7409	7803.83	-11.24	2474.36	697583.6	464663.2	-4468.83	99.52	89.99719	2474.39
10177.13	89.99629	359.7409	7803.84	-11.69	2573.88	697583.1	464762.7	-4468.84	99.52	89.99635	2573.91
10276.65	89.99592	359.7409	7803.85	-12.14	2673.4	697582.7	464862.2	-4468.85	99.52	89.99606	2673.43
10376.18	89.99557	359.7409	7803.85	-12.59	2772.92	697582.2	464961.7	-4468.85	99.52	89.99578	2772.95
10475.7	89.99529	359.7409	7803.86	-13.04	2872.44	697581.8	465061.2	-4468.86	99.52	89.9955	2872.47
10575.22	89.99504	359.7409	7803.87	-13.49	2971.96	697581.3	465160.8	-4468.87	99.52	89.99522	2971.99
10674.74	89.99487	359.7409	7803.88	-13.94	3071.48	697580.9	465260.3	-4468.88	99.52	89.99494	3071.52
10774.26	89.99471	359.7409	7803.89	-14.39	3171	697580.4	465359.8	-4468.89	99.52	89.99466	3171.04
10873.78	89.99464	359.7409	7803.9	-14.84	3270.52	697580	465459.3	-4468.9	99.52	89.99466	3270.56

Silverback Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

MD	INC	AZ	TVD (FT)	DX (FT)	DY(FT)	X	Y	SUBSEA	SEG LENGTH	SEG INC	OFFSET
10973.3	89.99459	359.7409	7803.91	-15.29	3370.05	697579.5	465558.9	-4468.91	99.52	89.99466	3370.08
11072.83	89.99461	359.7409	7803.92	-15.74	3469.57	697579.1	465658.4	-4468.92	99.52	89.99466	3469.6
11172.35	89.99467	359.7409	7803.93	-16.19	3569.09	697578.6	465757.9	-4468.93	99.52	89.99466	3569.12
11271.87	89.9948	359.7409	7803.93	-16.64	3668.61	697578.2	465857.4	-4468.93	99.52	89.99466	3668.64
11371.39	89.99495	359.7409	7803.94	-17.09	3768.13	697577.7	465956.9	-4468.94	99.52	89.99494	3768.17
11460.96	89.99515	359.7409	7803.95	-17.5	3857.7	697577.3	466046.5	-4468.95	89.57	89.995	3857.74
11560.48	89.99539	359.7409	7803.96	-17.95	3957.22	697576.9	466146	-4468.96	99.52	89.99522	3957.26
11660	89.99572	359.7409	7803.97	-18.4	4056.74	697576.4	466245.5	-4468.97	99.52	89.9955	4056.78
11759.52	89.99606	359.7409	7803.97	-18.85	4156.26	697576	466345.1	-4468.97	99.52	89.99606	4156.3
11859.05	89.99649	359.7409	7803.98	-19.3	4255.78	697575.5	466444.6	-4468.98	99.52	89.99635	4255.82
11958.57	89.99693	359.7409	7803.99	-19.75	4355.3	697575.1	466544.1	-4468.99	99.52	89.99663	4355.34
12058.09	89.99746	359.7409	7803.99	-20.2	4454.82	697574.6	466643.6	-4468.99	99.52	89.99719	4454.86
12157.61	89.998	359.7409	7804	-20.65	4554.34	697574.2	466743.1	-4469	99.52	89.99775	4554.39
12257.13	89.99863	359.7409	7804	-21.1	4653.86	697573.7	466842.7	-4469	99.52	89.99831	4653.91
12356.65	89.99928	359.7409	7804	-21.55	4753.38	697573.3	466942.2	-4469	99.52	89.99888	4753.43
12456.17	90	359.7409	7804	-22	4852.9	697572.8	467041.7	-4469	99.52	89.99972	4852.95

Strata Production Company

Well: Roadrunner Fed 25 PAD #7h
Site: Sec 25 T23 S R 30E
Project: Eddy County New Mexico NAD83 NM E
Design:Plan 1 Rev0

Geologic Prognosis

Formation Name	SubSea	TVD
Rustler	3038	297
Top of Salt	2418	620
Castille	594	2444
Base Salt	-640	3678
Lamar	-987	4025
Trap	-903	3941
Bell Canyon (top DMG)	-1015	4053
Ramsey	-1042	4080
Ford	-1077	4115
Olds	-1087	4125
Cherry Canyon	-1918	4956
Manzanita	-2094	5132
Brushy Canyon	-3241	6279
Target FM	-4766	7804
Bone Spring	-4856	7894

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

COMMENTS

Action 48721

COMMENTS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 48721
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 9/27/2021	9/27/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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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 48721

CONDITIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 48721
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify OCD 24 hours prior to casing & cement	9/27/2021
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104	9/27/2021
kpickford	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	9/27/2021
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing	9/27/2021
kpickford	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	9/27/2021