

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: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> 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. 30-015-55363
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

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

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

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 08/02/2024

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 30-015-55363		² Pool Code 24750	³ Pool Name FORTY NINER RIDGE DELAWARE
⁴ Property Code 21712 28510	⁵ Property Name FORTY NINER RIDGE UNIT		⁶ Well Number 56H
⁷ OGRID NO. 21712	⁸ Operator Name STRATA PRODUCTION COMPANY		⁹ Elevation 3159'

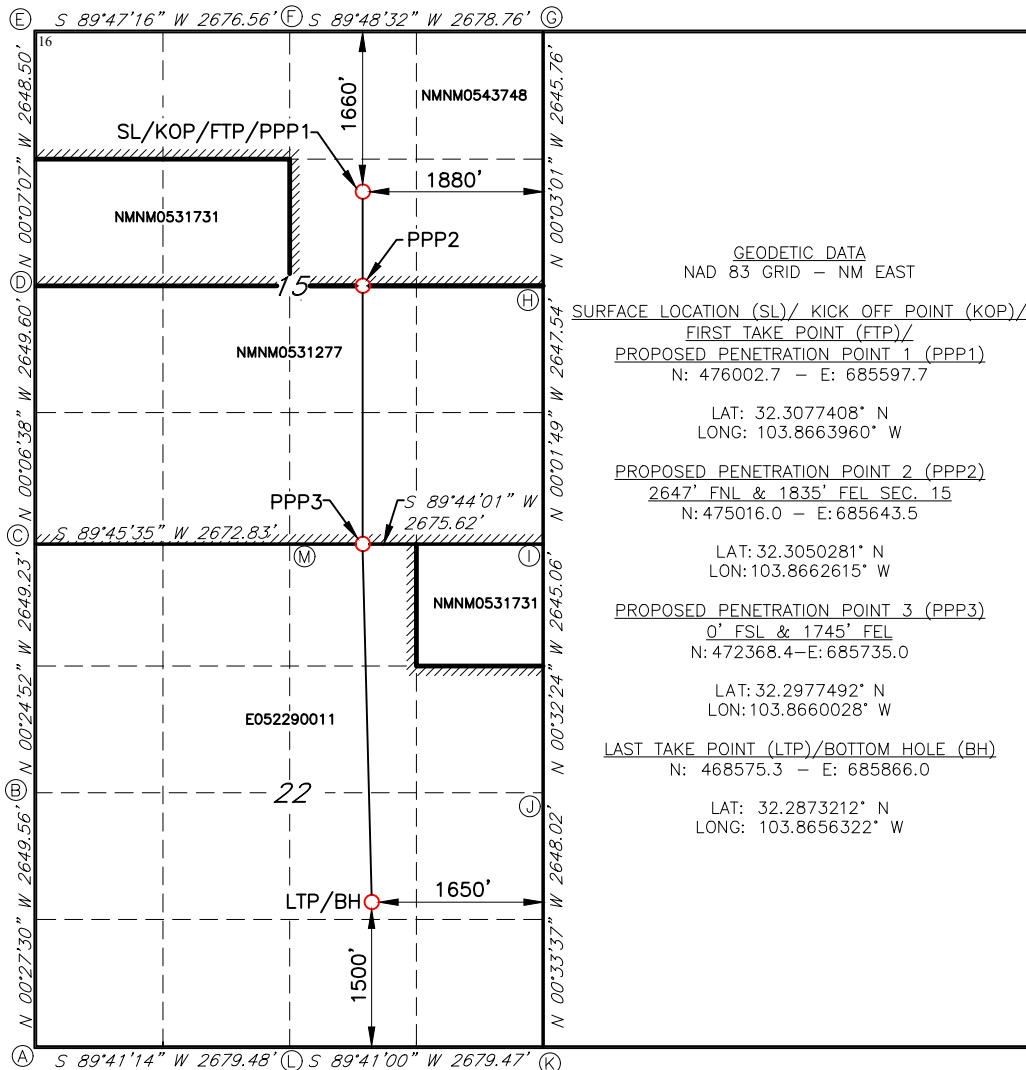
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
G	15	23S	30E		1660	NORTH	1880	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
J	22	23S	30E		1500	SOUTH	1650	EAST	EDDY
¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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: Jerry Elgin Date: 08/14/2023
Printed Name: Jerry Elgin, VP of Operations

jelgin@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.

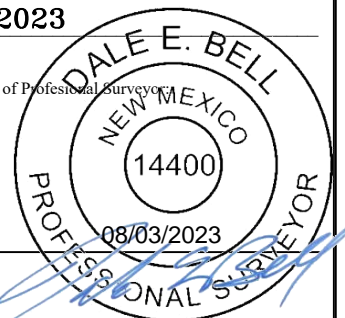
07/11/2023

Date of Survey

Signature and Seal of Professional Surveyor

14400

Certificate Number



Job No.: LS23020166

District I
1625 N. French Dr., Hobbs, NM 88240
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Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 24750		³ Pool Name FORTY NINER RIDGE DELAWARE	
⁴ Property Code		⁵ Property Name FORTY NINER RIDGE UNIT			⁶ Well Number 56H
⁷ OGRID NO. 21712		⁸ Operator Name STRATA PRODUCTION COMPANY			⁹ Elevation 3159'


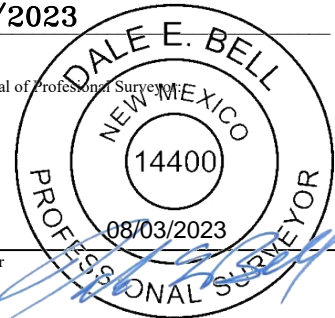
¹⁰ Surface Location

UL or lot no. G	Section 15	Township 23S	Range 30E	Lot Idn	Feet from the 1660	North/South line NORTH	Feet From the 1880	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section 22	Township 23S	Range 30E	Lot Idn	Feet from the 1500	North/South line SOUTH	Feet from the 1650	East/West line EAST	County EDDY
¹² Dedicated Acres 240		¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.				

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.

<p>¹⁶</p> <p style="text-align: center;"><u>CORNER DATA</u> NAD 83 GRID — NM EAST</p> <p>A: FOUND BRASS CAP "1942" N: 467055.4 — E: 682172.6</p> <p>B: FOUND BRASS CAP "1942" N: 469704.3 — E: 682151.4</p> <p>C: FOUND BRASS CAP "1942" N: 472352.8 — E: 682132.3</p> <p>D: FOUND BRASS CAP "1942" N: 475001.9 — E: 682127.2</p> <p>E: FOUND BRASS CAP "1942" N: 477649.8 — E: 682121.7</p> <p>F: FOUND BRASS CAP "1942" N: 477659.7 — E: 684797.6</p> <p>G: FOUND BRASS CAP "1942" N: 477668.6 — E: 687475.8</p> <p>H: FOUND BRASS CAP "1942" N: 475023.4 — E: 687478.1</p> <p>I: FOUND BRASS CAP "1942" N: 472376.5 — E: 687479.5</p> <p>J: FOUND BRASS CAP "1942" N: 469732.1 — E: 687504.4</p> <p>K: FOUND BRASS CAP "1942" N: 467084.8 — E: 687530.3</p> <p>L: FOUND BRASS CAP "1942" N: 467070.0 — E: 684851.5</p> <p>M: FOUND BRASS CAP "1942" N: 472364.0 — E: 684804.5</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;">  08/14/2023 Date Jerry Elgin, VP of Operations Printed Name jelgin@stratanm.com E-mail Address </p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: right;"> 07/11/2023 Date of Survey Signature and Seal of Professional Surveyor  14400 Certificate Number </p>

Job No.: LS23020166

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

Submit Electronically
Via E-permitting

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:** 08 / 25 / 23

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
Forty Niner Ridge Unit		Sec 15-T23S-R30E	1,660' FNL &	800	1,200	2,200
#56H			1,880' FEL			

IV. Central Delivery Point Name: Common Tank Battery #3 [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
Forty Niner Ridge Unit		10/30/2024	11/30/2024	12/7/2024	12/12/2024	12/17/2024
#56H						

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
Forty Niner Ridge Unit #56H		1,200	400,000

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
Strata Production Co.	Forty Niner Ridge	Sec 30-T23S-R30E	12/17/2024	15,000,000

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

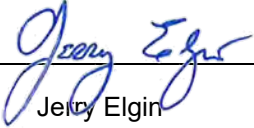
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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:	
Printed Name:	Jerry Elgin
Title:	Vice President Operations
E-mail Address:	jelgin@stratanm.com
Date:	08/25/2023
Phone:	575-622-1127, ext 18
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

**Strata Production Company
Natural Gas Management Plan**

**Forty Niner Ridge Unit #56H
Section 15-T23S-R30E
Eddy County, New Mexico**

Attachment to NMOCD Form NGMP

VI. Separation Equipment

Well site separation equipment consists of a 4' X 15' X 500 psi WP 2 phase separator at the well site in Section 30-T23S-R31E to separate the gas from the oil and water and a 6' X 20' X 250 psi 3 phase separator that separates any residual gas, water, and oil. The gas is routed to a gas gathering line that connects to Strata's corridor through the field to Common Tank Battery 2 in the SWNW of Section 23-T23S-R30E where the gas goes through a 2 phase separator to remove any residual liquids, then through a compressor and into an interconnect with Enterprise GD LLC located in the NENE of Section 22-T23S-R30E (all in Eddy County, NM).

The oil and water are routed to Common Tank Battery 3 in the NENE of Section 22-T23S-R30E where the oil goes through a separator to remove any residual gas then through a heater treater to remove any residual water. The oil is then stored in 500 bbl steel tanks at the battery. The facility separator, heater treater, and tanks are tied into a vapor recover system so any liberated gas is routed into the gas gathering line.

VII. Strata Production Company will take the following actions to comply with regulations outlined in 19.15.27.8.

A. Venting and Flaring of Natural Gas

Strata will maximize recovery of natural gas by minimizing the waste, as defined in 19.15.2 NMAC, of natural gas through venting and flaring. Strata will be connected to natural gas gathering systems with sufficient capacity to transport its produced natural gas. If there is inadequate capacity to transport the gas, the well(s) will be shut in until there is adequate capacity or other arrangements can be made to avoid waste.

B. Venting and Flaring During Drilling Operations

Drilling rigs shall be equipped with a rig flare located at least 100 ft from the well. The flare will be utilized to combust any natural gas produced through drilling operations. Should gas be flared, an estimated volume will be reported as required by statutes. Gas will not be flared during normal drilling operations.

C. Venting and Flaring During Completion Operations

Natural gas produced during completion operations will be flared. All gas produced will be directed to permanent separation equipment and into sales as soon as practical. If natural gas does not meet pipeline specifications, Strata may flare the gas for up to 60 days or until the gas meets pipeline specifications, whichever is sooner. Strata will properly size the flare which will be equipped with automatic ignition source. The gas will be sampled no less than twice per week and the gas will be routed through Strata's gathering system as soon as it meets pipeline specifications.

D. Venting and Flaring During Production Operations

Natural gas will not be flared during normal production operations except as is allowed under 19.15.27.8 D (1)-(4). If capacity is inadequate, well(s) will be shut in until there is adequate capacity or other arrangements can be made to avoid waste except during emergency or malfunction situations. Flared volumes will be reported as required by statutes.

E. Performance Standards

Strata will comply with the performance standards per 19.15.27.8 E (1)-(8). All equipment will be designed to accommodate anticipated volumes and pressures. Storage tanks will be equipped with automatic gauging equipment connected to Strata's SCADA system. Flares will be located at least 100 ft from wells and storage tanks and will be equipped with automatic ignition sources. Strata will conduct AVO inspections to comply with 19.15.27.8 E (5) (a) and 19.15.27.8 E (5) (b)-(c). Any emergency situations resulting in flaring will be resolved to minimize waste.

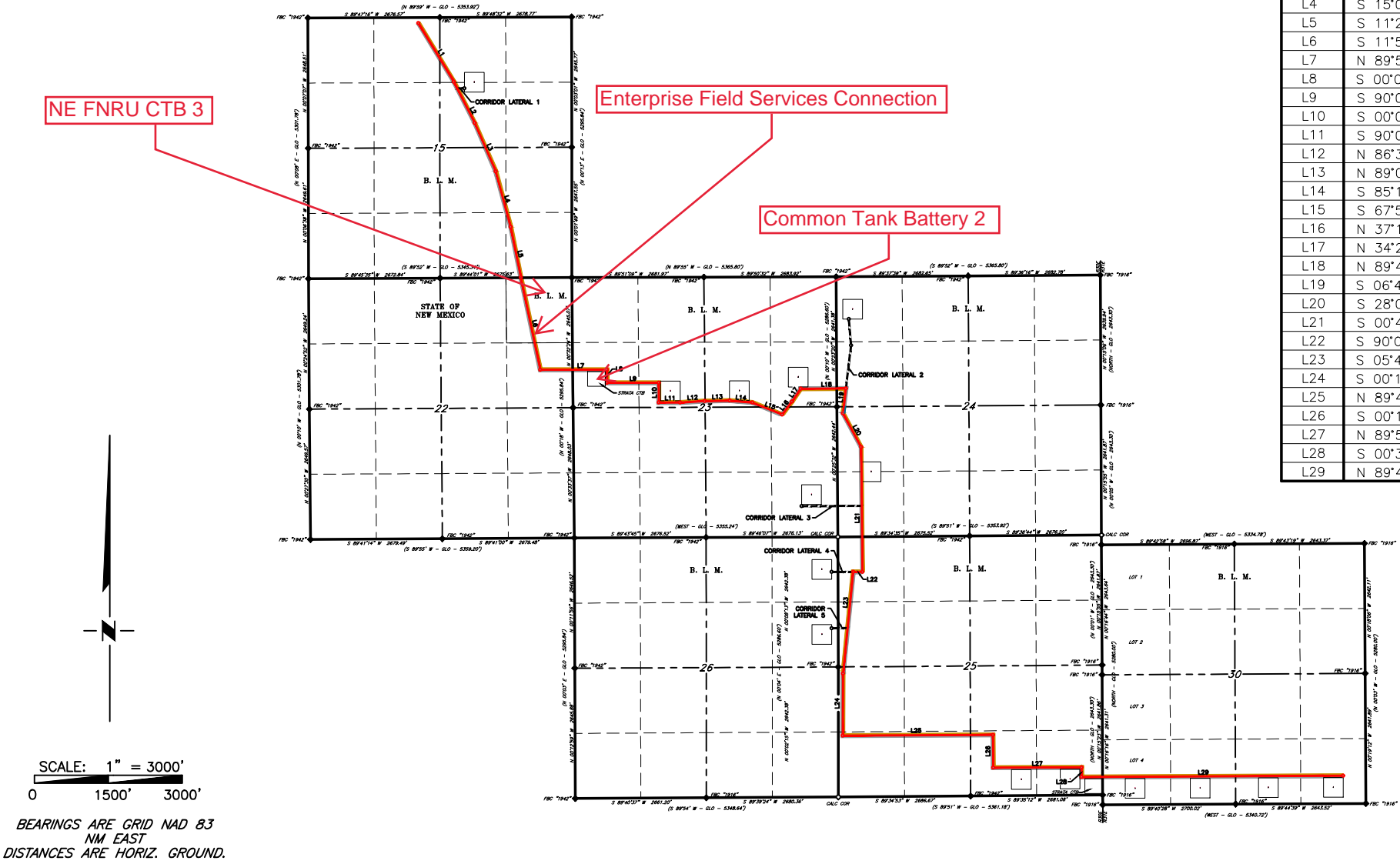
F. Measurement of Vented and Flared Natural Gas

Gas flared as the result of emergency or malfunction will be metered. Gas used beneficially during production operations will be metered or estimated. Should metering be impractical due to equipment malfunction or low flow, Strata will estimate the volume of gas vented or flared. All metering equipment will conform to industry standards and will not be equipped with a bypass around metering equipment except for the sole purpose of inspecting or servicing the metering equipment.

VIII. Maintenance Activities

For maintenance activities involving production equipment and compression, venting will be limited to depressurization of the equipment to provide safe working conditions. In the event maintenance is required on pressurized equipment, associated producing wells will be shut in to minimize waste. Gas normally routed through a vapor recovery unit may be routed to flares to avoid venting for the maintenance of VRU's and associated equipment.

STRATA PRODUCTION COMPANY
PROPOSED MAIN CORRIDOR FOR THE STRATA WELL LOCATIONS
SECTIONS 15, 22, 23, 24, 26 & 25, T23S, R30E, &
SECTION 30, T23S, R31E
N. M. P. M., EDDY CO., NEW MEXICO



LINE TABLE		
LINE	BEARING	LENGTH
L1	S 31°10'54" E	1,393.05'
L2	S 26°50'18" E	940.07'
L3	S 23°25'43" E	1,068.15'
L4	S 15°04'07" E	1,172.60'
L5	S 11°23'46" E	1,045.11'
L6	S 11°50'29" E	1,917.56'
L7	N 89°59'28" E	1,355.67'
L8	S 00°03'54" W	266.11'
L9	S 90°00'00" E	1,052.12'
L10	S 00°00'00" E	400.00'
L11	S 90°00'00" E	435.01'
L12	N 86°35'57" E	501.54'
L13	N 89°05'05" E	505.83'
L14	S 85°11'20" E	461.01'
L15	S 67°54'39" E	648.93'
L16	N 37°19'53" E	334.18'
L17	N 34°24'00" E	314.74'
L18	N 89°48'35" E	916.97'
L19	S 06°40'55" W	505.50'
L20	S 28°02'19" E	779.64'
L21	S 00°40'33" E	2,533.37'
L22	S 90°00'00" W	188.59'
L23	S 05°46'06" W	2,078.49'
L24	S 00°18'48" W	1,259.84'
L25	N 89°42'50" E	3,053.28'
L26	S 00°16'48" E	664.28'
L27	N 89°57'10" E	1,796.25'
L28	S 00°39'28" E	195.02'
L29	N 89°42'06" E	5,307.92'

LEGEND

() RECORD DATA - GLO
◇ CALCULATED CORNER
◆ FOUND MONUMENT AS NOTED

PROPOSED MAIN CORRIDOR
ACCESS ROAD
ELECTRIC LINE

Copyright 2016 - All Rights Reserved

SCALE: 1" = 3000'

DATE: 5/22/2019

SURVEYED BY: BK/AS

DRAWN BY: GA

APPROVED BY: RMH

SHEET: 1 OF 12

701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

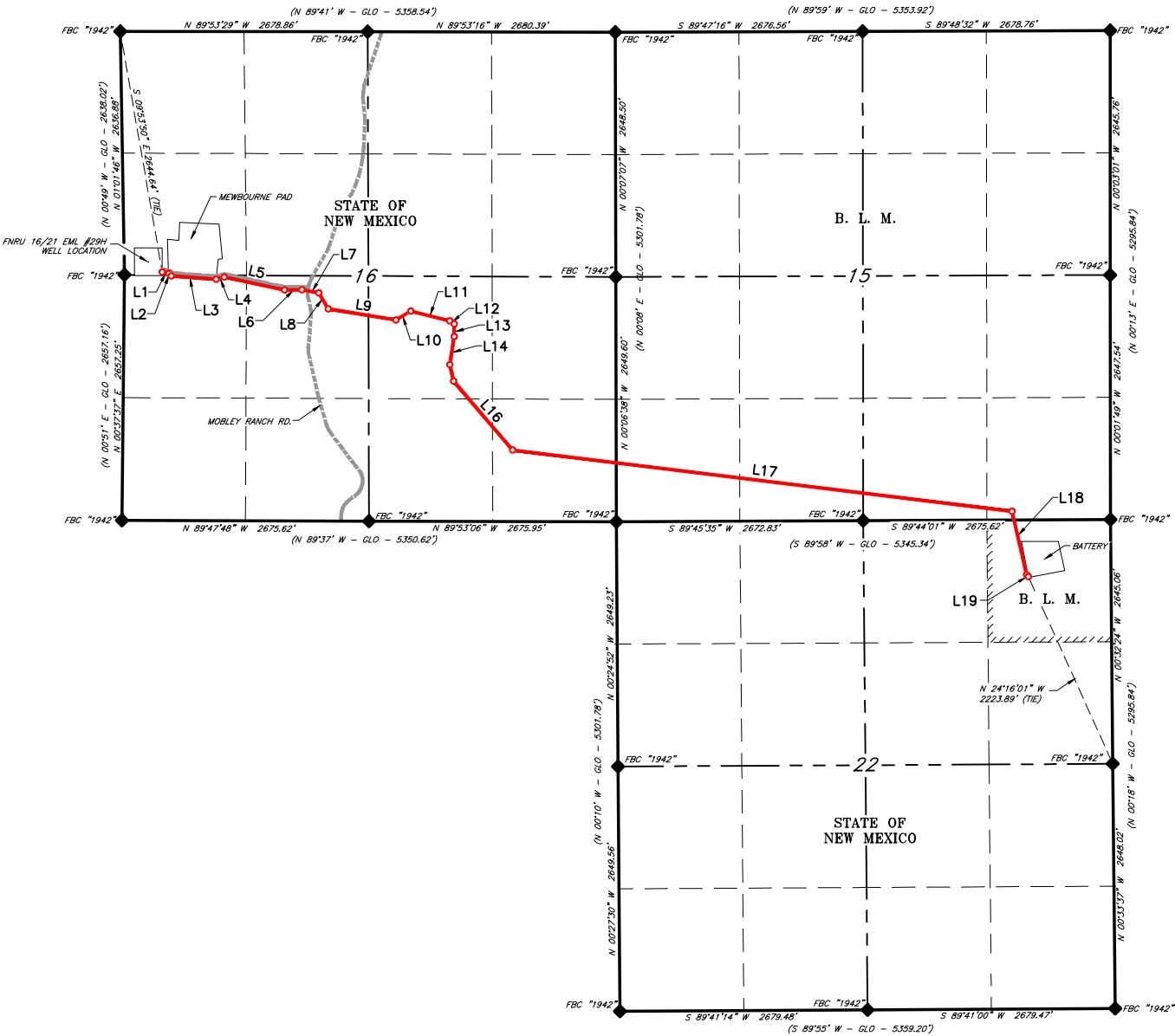
NO.	REVISION	DATE
JOB NO.: LS19050633		
DWG. NO.: 19050633-1		

STRATA PRODUCTION COMPANY

FNRU 16-21 EML #29H PIPELINE & ELECTRIC LINE

SECTIONS 15, 16 & 22, T23S, R30E


N. M. P. M., EDDY CO., NEW MEXICO



LINE TABLE		
LINE	BEARING	LENGTH
L1	S 76°53'01" E	71.90'
L2	S 48°02'23" E	38.69'
L3	S 85°40'26" E	487.02'
L4	N 74°43'52" E	90.73'
L5	S 77°58'08" E	667.50'
L6	N 89°09'42" E	187.18'
L7	S 79°18'09" E	186.64'
L8	S 30°23'57" E	200.40'
L9	S 80°39'54" E	743.03'
L10	N 59°03'16" E	187.49'
L11	S 75°56'28" E	434.59'
L12	S 55°28'08" E	59.57'
L13	S 00°01'28" E	136.55'
L14	S 08°58'43" W	308.42'
L15	S 12°58'10" E	182.16'
L16	S 40°32'54" E	982.04'
L17	S 83°00'39" E	5,446.36'
L18	S 12°50'37" E	704.53'
L19	S 44°05'06" E	28.02'



- LEGEND
- () RECORD DATA - GLO
 - ◆ FOUND MONUMENT AS NOTED
 - PROPOSED UTILITY EASEMENT
 - EXISTING ACCESS ROAD
 - MOBLEY RANCH RD.



SCALE: 1" = 1800'

0 900' 1800'

BEARINGS ARE GRID NAD 83
NM EAST

DISTANCES ARE HORIZ. GROUND.

1	REROUTE	3/23/23
NO.	REVISION	DATE
JOB NO.: LS23030268R		
DWG. NO.: 23030268R-1		



701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE: 1" = 1800'
DATE: 03/08/2023
SURVEYED BY: JF/GA
DRAWN BY: LM
APPROVED BY: DEB
SHEET: 1 OF 5



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

Drilling Plan Data Report

07/25/2024

APD ID: 10400093933

Submission Date: 10/24/2023

Operator Name: STRATA PRODUCTION COMPANY

Well Name: FORTY NINER RIDGE UNIT

Well Number: 56H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
12224565	RUSTLER	3159	80	80	SALT	NONE	N
12224566	SALADO	2641	518	518	SALT	NONE	N
12224567	BASE OF SALT	-430	3589	3589	SALT	NONE	N
12224568	LAMAR	-470	3629	3629	LIMESTONE, SHALE	NATURAL GAS, OIL	Y
12224569	BELL CANYON	-498	3657	3657	LIMESTONE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Y
12224570	CHERRY CANYON	-1424	4583	4583	LIMESTONE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Y
12224571	BRUSHY CANYON	-2701	5860	5860	LIMESTONE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Y
12224572	BONE SPRING	-4365	7524	7524	LIMESTONE, SANDSTONE, SILTSTONE	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:

Forty_Niner_Ridge_Unit__56H_Choke_Diagram_20230817153744.pdf

BOP Diagram Attachment:

Forty_Niner_Ridge_Unit__56H_BOPE_Description_20230817153809.pdf

Forty_Niner_Ridge_Unit__56H_BOPE_20230817153810.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: FORTY NINER RIDGE UNITWell Number: 56H

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	3159	2709	450	H-40	48	ST&C	3.95	7.39	DRY	14.9	DRY	25
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	3800	0	3800	3159	-641	3800	N-80	43.5	LT&C	1.56	2	DRY	2.73	DRY	4.66
3	PRODUCTION	8.5	7.0	NEW	API	Y	0	6500	0	6500	3159	-3341	6500	HCP-110	29	LT&C	3.02	3.32	DRY	2.32	DRY	2.7
4	PRODUCTION	8.5	5.0	NEW	API	Y	6500	14258	6900	7026	-3741	-3867	7758	HCP-110	20	OTHER - DWC-IC	3.64	3.13	DRY	4.13	DRY	4.3

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Forty_Niner_Ridge_Unit__56H_Casing_Worksheet_20231023163033.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: FORTY NINER RIDGE UNIT

Well Number: 56H

Casing Attachments

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Forty_Niner_Ridge_Unit__56H_Casing_Worksheet_20231023163213.pdf

Casing ID: 3StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Forty_Niner_Ridge_Unit__56H_Tapered_String_20231023163249.pdf

Casing Design Assumptions and Worksheet(s):

Forty_Niner_Ridge_Unit__56H_Casing_Worksheet_20231023163307.pdf

Casing ID: 4StringPRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Forty_Niner_Ridge_Unit__56H_Tapered_String_20231023163403.pdf

Casing Design Assumptions and Worksheet(s):

Forty_Niner_Ridge_Unit__56H_Casing_Worksheet_20231023163421.pdf

Section 4 - Cement

Operator Name: STRATA PRODUCTION COMPANY**Well Name:** FORTY NINER RIDGE UNIT**Well Number:** 56H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	200	2.51	11	505	100	Class H	None
PRODUCTION	Tail		5200	14258	1693	1.43	13.2	2428	25	Class H	Salt, gel, extender, LCM
SURFACE	Lead		0	450	469	1.33	14.8	625	100	Class C	CaCl, LCM

INTERMEDIATE	Lead		0	3300	813	1.91	12.9	1550	50	Class C	Salt, gel, extender, LCM
INTERMEDIATE	Tail		3300	3800	194	1.33	14.8	258	65	Class C	Salt, LCM
PRODUCTION	Lead		2800	5200	238	1.34	14.8	328	50	Class C	None

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 a rig floor, remote kill line, and mud gas separator.**Describe the mud monitoring system utilized:** Pason pit level monitors, hourly weight check, viscosity, gel strength and pH, and 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	WATER-BASED MUD	8.5	8.9			10				Spud with fresh water and build mud while drilling.

Operator Name: STRATA PRODUCTION COMPANY**Well Name:** FORTY NINER RIDGE UNIT**Well Number:** 56H

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
450	3800	SALT SATURATED	10	10.5			10				- Drill with brine water with LCM and gel sweeps.
3800	1425 8	WATER-BASED MUD	8.5	9.5			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, COMPENSATED DENSILOG, DUAL LATERAL LOG/MICRO-SPHERICALLY FOCUSED, GAMMA RAY LOG, CEMENT BOND LOG, MUD LOG/GEOLOGICAL LITHOLOGY LOG,

Coring operation description for the well:

None

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 3360

Anticipated Surface Pressure: 1814

Anticipated Bottom Hole Temperature(F): 125

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

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

Forty_Niner_Ridge_Unit__56H_H2S_Plan_20230817144654.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: FORTY NINER RIDGE UNIT

Well Number: 56H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

FNRU_56H_Preliminary_Directional_Plan.2_20231023164622.pdf

FNRU__56H_WBD_Permitting_20231023164628.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

NGMP_Form_Forty_Niner_Ridge_Unit_20231023163932.pdf

Other Variance attachment:

Forty-Niner Ridge Unit #56H

Section 22-T23S-R30E

SHL: 1660' FNL and 1880' FEL of Section 15

BHL: 1500' FSL and 1650' FEL of Section 22

Eddy County, NM

#	MD (ft)	Inclination	Azimuth (d	TVD (ft)	DX (ft)	DY (ft)	X (ft)	Y (ft)	Subsea (ft)	Segment L	Segment In	Offset
	0	0	0	0	0	0	685597.7	476002.7	3159	0	0	0
	110.89	0.01483	271.4581	110.89	-0.01	0	685597.6	476002.7	3048.11	110.89	0.00742	0.01
	201.98	0.02706	271.458	201.98	-0.05	0	685597.6	476002.7	2957.02	91.09	0.02095	0.05
	309.71	0.04153	271.458	309.71	-0.11	0	685597.5	476002.7	2849.29	107.73	0.0343	0.11
	398.19	0.05345	271.458	398.19	-0.19	0	685597.5	476002.7	2760.81	88.48	0.04749	0.19
	502.8	0.06752	271.458	502.8	-0.3	0.01	685597.4	476002.7	2656.2	104.61	0.06049	0.3
	605.73	0.08137	271.458	605.73	-0.43	0.01	685597.2	476002.7	2553.27	102.93	0.07445	0.43
	706.98	0.09494	271.4579	706.98	-0.59	0.01	685597.1	476002.7	2452.02	101.25	0.08815	0.59
	806.56	0.10826	271.4579	806.56	-0.76	0.02	685596.9	476002.7	2352.44	99.58	0.1016	0.76
	904.49	0.12125	271.4579	904.49	-0.96	0.02	685596.7	476002.7	2254.51	97.93	0.11475	0.96
	1000.77	0.13396	271.4579	1000.77	-1.17	0.03	685596.5	476002.7	2158.23	96.28	0.12761	1.17
	1095.42	0.14631	271.4578	1095.42	-1.4	0.04	685596.3	476002.8	2063.59	94.64	0.14014	1.4
	1188.44	0.15833	271.4578	1188.43	-1.65	0.04	685596	476002.8	1970.57	93.02	0.15232	1.65
	1294.92	0.17186	271.4577	1294.92	-1.96	0.05	685595.7	476002.8	1864.09	106.48	0.1651	1.96
	1399.22	0.18484	271.4577	1399.21	-2.28	0.06	685595.4	476002.8	1759.79	104.3	0.17835	2.28
	1486.89	0.19547	271.4577	1486.89	-2.57	0.07	685595.1	476002.8	1672.11	87.67	0.19015	2.57
	1587.18	0.20733	271.4576	1587.18	-2.93	0.07	685594.7	476002.8	1571.82	100.29	0.2014	2.93
	1685.33	0.21844	271.4576	1685.33	-3.29	0.08	685594.4	476002.8	1473.67	98.15	0.21289	3.29
	1794.92	0.23034	271.4575	1794.91	-3.72	0.09	685593.9	476002.8	1364.09	109.58	0.22439	3.72
	1888.55	0.23975	271.4574	1888.54	-4.1	0.1	685593.6	476002.8	1270.46	93.63	0.23505	4.1
	1993	0.24968	271.4574	1993	-4.55	0.12	685593.1	476002.8	1166	104.46	0.24472	4.55
	2082.19	0.2571	271.4573	2082.18	-4.94	0.13	685592.7	476002.8	1076.82	89.19	0.25339	4.94
	2181.61	0.26473	271.4572	2181.6	-5.4	0.14	685592.3	476002.9	977.4	99.42	0.26091	5.4
	2278.37	0.27053	271.4571	2278.36	-5.85	0.15	685591.8	476002.9	880.64	96.76	0.26763	5.85
	2384.09	0.27568	271.457	2384.08	-6.35	0.16	685591.3	476002.9	774.92	105.72	0.2731	6.35
	2486.52	0.27813	271.4568	2486.51	-6.85	0.17	685590.8	476002.9	672.49	102.43	0.27691	6.85
	2574.83	0.27873	271.4566	2574.82	-7.28	0.19	685590.4	476002.9	584.18	88.31	0.27843	7.28
	2681.64	0.27635	271.4564	2681.63	-7.79	0.2	685589.9	476002.9	477.37	106.81	0.27754	7.8
	2774.41	0.271	271.4561	2774.39	-8.24	0.21	685589.4	476002.9	384.61	92.76	0.27368	8.24
	2873.78	0.26169	271.4558	2873.76	-8.7	0.22	685589	476002.9	285.24	99.37	0.26634	8.7
	2978.65	0.24591	271.4552	2978.63	-9.16	0.23	685588.5	476002.9	180.37	104.87	0.2538	9.16
	3070	0.22624	271.4545	3069.99	-9.54	0.24	685588.1	476003	89.01	91.35	0.23608	9.54
	3174.69	0.19584	271.4533	3174.67	-9.92	0.25	685587.7	476003	-15.67	104.69	0.21104	9.93
	3274.07	0.15478	271.451	3274.05	-10.23	0.26	685587.4	476003	-115.05	99.38	0.17531	10.23
	3368.21	0.10392	271.4459	3368.19	-10.44	0.27	685587.2	476003	-209.19	94.15	0.12935	10.44
	3471.55	0.02802	271.4046	3471.53	-10.56	0.27	685587.1	476003	-312.53	103.34	0.06597	10.56
	3568.02	0.06962	91.4836	3568	-10.52	0.27	685587.1	476003	-409	96.47	0.0208	10.53
	3670.02	0.21004	91.4683	3670	-10.27	0.26	685587.4	476003	-511	102	0.13983	10.28
	3763.41	0.39666	91.46465	3763.39	-9.78	0.25	685587.9	476003	-604.39	93.39	0.30335	9.78
	3863.4	0.67917	91.46289	3863.37	-8.84	0.22	685588.8	476002.9	-704.37	99.99	0.53792	8.85
	3964.78	1.14434	91.46183	3964.74	-7.23	0.18	685590.4	476002.9	-805.74	101.38	0.91176	7.23
	4061.87	1.9172	91.46117	4061.79	-4.64	0.12	685593	476002.8	-902.79	97.09	1.53077	4.64
	4159.19	3.54694	91.46066	4159	0	0	685597.7	476002.7	-1000	97.32	2.73207	0
	4256.4	6.22257	91.46055	4255.85	8.27	-0.21	685605.9	476002.5	-1096.85	97.21	4.88475	8.28
	4353.23	7.94843	91.46051	4351.93	20.21	-0.52	685617.9	476002.2	-1192.93	96.83	7.08551	20.22
	4449.88	9.27752	91.46049	4447.5	34.68	-0.89	685632.3	476001.8	-1288.5	96.66	8.61295	34.7
	4551.51	9.99857	91.46049	4547.69	51.69	-1.32	685649.3	476001.4	-1388.69	101.62	9.63807	51.71
	4644.06	10.56034	91.46048	4638.75	68.2	-1.74	685665.9	476001	-1479.75	92.55	10.27942	68.23
	4745.71	10.79375	91.46048	4738.65	87.03	-2.22	685684.7	476000.5	-1579.65	101.65	10.67708	87.06
	4840.85	11.04962	91.46047	4832.06	105.05	-2.68	685702.7	476000	-1673.06	95.14	10.92166	105.08
	4935.13	11.06176	91.46047	4924.59	123.12	-3.14	685720.8	475999.6	-1765.59	94.28	11.05571	123.16
	5036.68	11.18794	91.46047	5024.23	142.71	-3.64	685740.4	475999.1	-1865.23	101.55	11.12483	142.76
	5135.72	11.10691	91.46047	5121.4	161.85	-4.13	685759.5	475998.6	-1962.4	99.04	11.14742	161.91
	5230.64	11.16851	91.46047	5214.53	180.18	-4.59	685777.8	475998.1	-2055.53	94.92	11.13771	180.24

5331.31	11.04465	91.46047	5313.32	199.57	-5.09	685797.2	475997.6	-2154.32	100.68	11.10662	199.63
5425.86	11.07802	91.46047	5406.11	217.7	-5.55	685815.4	475997.2	-2247.11	94.54	11.06128	217.77
5525.35	10.93554	91.46048	5503.78	236.69	-6.04	685834.3	475996.7	-2344.78	99.49	11.00677	236.77
5616.62	10.95873	91.46048	5593.38	254.02	-6.48	685851.7	475996.2	-2434.38	91.27	10.94718	254.1
5711.95	10.81132	91.46048	5687	272.01	-6.94	685869.7	475995.8	-2528	95.33	10.88499	272.1
5811.47	10.82436	91.46048	5784.75	290.69	-7.41	685888.3	475995.3	-2625.75	99.52	10.81787	290.78
5915.3	10.66851	91.46048	5886.76	310.04	-7.91	685907.7	475994.8	-2727.76	103.83	10.74643	310.14
6007.83	10.68571	91.46048	5977.68	327.18	-8.34	685924.8	475994.4	-2818.68	92.53	10.67713	327.28
6103.7	10.53595	91.46048	6071.91	344.83	-8.79	685942.5	475993.9	-2912.91	95.87	10.61082	344.94
6202.99	10.54972	91.46048	6169.53	362.99	-9.26	685960.6	475993.5	-3010.53	99.29	10.54281	363.11
6288.4	10.40898	91.46048	6253.52	378.52	-9.65	685976.2	475993.1	-3094.52	85.42	10.47937	378.64
6394.18	10.42056	91.46048	6357.55	397.63	-10.14	685995.3	475992.6	-3198.55	105.77	10.41478	397.76
6485.1	10.27864	91.46048	6447	413.96	-10.56	686011.6	475992.2	-3288	90.93	10.34958	414.1
6578.61	10.30097	91.46048	6539	430.66	-10.98	686028.3	475991.7	-3380	93.51	10.28982	430.8
6611.61	10.44286	117.0624	6571.48	436.28	-12.42	686033.9	475990.3	-3412.48	33	10.11957	436.45
6644.94	12.51847	138.7324	6604.16	441.35	-16.51	686039	475986.2	-3445.16	33.34	11.28293	441.66
6677.72	15.711	152.645	6635.95	445.74	-23.12	686043.4	475979.6	-3476.95	32.77	14.01613	446.34
6711.08	19.57524	161.6546	6667.74	449.57	-32.45	686047.2	475970.3	-3508.74	33.37	17.59257	450.74
6744.15	23.58355	167.4223	6698.49	452.76	-44.17	686050.4	475958.5	-3539.49	33.07	21.55473	454.91
6777.05	27.65157	171.3809	6728.15	455.34	-58.15	686053	475944.6	-3569.15	32.9	25.60419	459.03
6809.86	31.60195	174.1799	6756.67	457.35	-74.23	686055	475928.5	-3597.67	32.81	29.61962	463.34
6842.66	35.48431	176.262	6784	458.84	-92.29	686056.5	475910.4	-3625	32.8	33.53884	468.03
6875.49	39.18685	177.8268	6810.1	459.86	-112.17	686057.5	475890.5	-3651.1	32.83	37.33287	473.34
6908.38	42.79958	179.0446	6834.92	460.44	-133.73	686058.1	475869	-3675.92	32.89	40.99123	479.47
6941.33	46.23419	180	6858.41	460.63	-156.83	686058.3	475845.9	-3699.41	32.95	44.51643	486.59
6974.34	49.59678	180.7216	6880.53	460.47	-181.32	686058.1	475821.4	-3721.53	33.01	47.91451	494.88
7007.37	52.80939	181.3244	6901.23	460.01	-207.06	686057.7	475795.7	-3742.23	33.04	51.20321	504.46
7040.41	55.98442	181.7554	6920.46	459.28	-233.91	686056.9	475768.8	-3761.46	33.04	54.39614	515.42
7073.4	59.04935	182.1161	6938.18	458.34	-261.72	686056	475741	-3779.18	32.99	57.51711	527.8
7106.3	62.11931	182.3442	6954.33	457.23	-290.35	686054.9	475712.4	-3795.33	32.9	60.58411	541.63
7140.03	65.21651	182.5303	6969.29	455.94	-320.55	686053.6	475682.2	-3810.29	33.73	63.66813	557.35
7172.56	68.27576	182.5959	6982.13	454.6	-350.4	686052.3	475652.3	-3823.13	32.53	66.74611	573.98
7205.79	71.41442	182.6284	6993.58	453.18	-381.56	686050.8	475621.2	-3834.58	33.23	69.84498	592.42
7238.66	74.66605	182.5489	7003.17	451.76	-412.97	686049.4	475589.7	-3844.17	32.87	73.04055	612.07
7271.11	77.96637	182.4347	7010.84	450.39	-444.47	686048	475558.2	-3851.84	32.46	76.31609	632.77
7304.03	81.54678	182.2016	7016.7	449.08	-476.83	686046.7	475525.9	-3857.7	32.91	79.75621	655.01
7337.31	85.36652	181.9111	7020.49	447.9	-509.86	686045.6	475492.9	-3861.49	33.28	83.45634	678.65
7369.95	89.4661	181.4865	7021.96	446.93	-542.45	686044.6	475460.3	-3862.96	32.65	87.4167	702.85
7479.76	89.46722	181.4864	7022.98	444.08	-652.21	686041.7	475350.5	-3863.98	109.8	89.46671	789.04
7579.57	89.46822	181.4864	7023.91	441.49	-751.99	686039.1	475250.7	-3864.91	99.82	89.46776	872.01
7679.39	89.46919	181.4864	7024.83	438.9	-851.77	686036.6	475150.9	-3865.83	99.82	89.4686	958.2
7779.21	89.47014	181.4863	7025.76	436.31	-951.56	686034	475051.2	-3866.76	99.82	89.46972	1046.82
7879.03	89.47108	181.4863	7026.68	433.73	-1051.34	686031.4	474951.4	-3867.68	99.82	89.47056	1137.29
7978.85	89.47198	181.4863	7027.6	431.14	-1151.12	686028.8	474851.6	-3868.6	99.82	89.4714	1229.21
8078.67	89.47286	181.4862	7028.52	428.55	-1250.9	686026.2	474751.8	-3869.52	99.82	89.47252	1322.27
8178.49	89.47372	181.4862	7029.44	425.96	-1350.68	686023.6	474652	-3870.44	99.82	89.47337	1416.26
8278.31	89.47456	181.4862	7030.35	423.37	-1450.47	686021	474552.3	-3871.35	99.82	89.47421	1510.99
8378.13	89.47537	181.4861	7031.27	420.78	-1550.25	686018.4	474452.5	-3872.27	99.82	89.47477	1606.34
8477.95	89.47617	181.4861	7032.18	418.19	-1650.03	686015.8	474352.7	-3873.18	99.82	89.47589	1702.2
8577.77	89.47694	181.4861	7033.09	415.6	-1749.81	686013.3	474252.9	-3874.09	99.82	89.47645	1798.49
8677.59	89.47769	181.486	7034	413.02	-1849.59	686010.7	474153.1	-3875	99.82	89.47729	1895.15
8777.41	89.47842	181.486	7034.91	410.43	-1949.37	686008.1	474053.3	-3875.91	99.82	89.47813	1992.11
8877.23	89.47912	181.486	7035.82	407.84	-2049.16	686005.5	473953.6	-3876.82	99.82	89.47869	2089.35
8977.05	89.4798	181.486	7036.73	405.25	-2148.94	686002.9	473853.8	-3877.73	99.82	89.47953	2186.82
9076.87	89.48046	181.4859	7037.63	402.66	-2248.72	686000.3	473754	-3878.63	99.82	89.48009	2284.49
9176.69	89.48109	181.4859	7038.54	400.07	-2348.5	685997.7	473654.2	-3879.54	99.82	89.48093	2382.34
9276.51	89.48171	181.4859	7039.44	397.49	-2448.28	685995.1	473554.4	-3880.44	99.82	89.48121	2480.34
9376.33	89.4823	181.4859	7040.35	394.9	-2548.07	685992.6	473454.6	-3881.35	99.82	89.48205	2578.49
9476.15	89.48287	181.4858	7041.25	392.31	-2647.85	685990	473354.9	-3882.25	99.82	89.48261	2676.75
9575.97	89.48341	181.4858	7042.15	389.72	-2747.63	685987.4	473255.1	-3883.15	99.82	89.48318	2775.13
9675.79	89.48395	181.4858	7043.05	387.13	-2847.41	685984.8	473155.3	-3884.05	99.82	89.48374	2873.61

9775.61	89.48444	181.4858	7043.95	384.54	-2947.19	685982.2	473055.5	-3884.95	99.82	89.48402	2972.18
9875.43	89.48492	181.4858	7044.84	381.96	-3046.98	685979.6	472955.7	-3885.84	99.82	89.48486	3070.82
9975.25	89.48538	181.4857	7045.74	379.37	-3146.76	685977	472856	-3886.74	99.82	89.48514	3169.54
10075.07	89.48582	181.4857	7046.64	376.78	-3246.54	685974.4	472756.2	-3887.64	99.82	89.4857	3268.33
10174.88	89.48623	181.4857	7047.53	374.19	-3346.32	685971.8	472656.4	-3888.53	99.82	89.48598	3367.18
10274.7	89.48663	181.4857	7048.43	371.6	-3446.11	685969.3	472556.6	-3889.43	99.82	89.48626	3466.08
10374.52	89.48698	181.4857	7049.32	369.02	-3545.89	685966.7	472456.8	-3890.32	99.82	89.48682	3565.04
10474.34	89.48734	181.4857	7050.21	366.43	-3645.67	685964.1	472357	-3891.21	99.82	89.4871	3664.04
10574.16	89.48766	181.4856	7051.11	363.84	-3745.45	685961.5	472257.3	-3892.11	99.82	89.48766	3763.08
10673.98	89.48796	181.4856	7052	361.25	-3845.23	685958.9	472157.5	-3893	99.82	89.48766	3862.17
10773.8	89.48823	181.4856	7052.89	358.67	-3945.02	685956.3	472057.7	-3893.89	99.82	89.48822	3961.29
10873.62	89.48849	181.4856	7053.78	356.08	-4044.8	685953.7	471957.9	-3894.78	99.82	89.48822	4060.44
10973.44	89.48872	181.4856	7054.67	353.49	-4144.58	685951.1	471858.1	-3895.67	99.82	89.48878	4159.63
11073.26	89.48894	181.4856	7055.56	350.9	-4244.36	685948.6	471758.4	-3896.56	99.82	89.48878	4258.84
11173.08	89.48912	181.4856	7056.45	348.31	-4344.14	685946	471658.6	-3897.45	99.82	89.48906	4358.09
11272.9	89.48929	181.4856	7057.34	345.73	-4443.93	685943.4	471558.8	-3898.34	99.82	89.48906	4457.35
11372.72	89.48943	181.4856	7058.23	343.14	-4543.71	685940.8	471459	-3899.23	99.82	89.48934	4556.65
11472.54	89.48956	181.4856	7059.12	340.55	-4643.49	685938.2	471359.2	-3900.12	99.82	89.48962	4655.96
11572.36	89.48965	181.4856	7060.01	337.96	-4743.27	685935.6	471259.4	-3901.01	99.82	89.48962	4755.3
11672.18	89.48973	181.4856	7060.9	335.38	-4843.05	685933	471159.7	-3901.9	99.82	89.48962	4854.65
11772	89.48978	181.4856	7061.79	332.79	-4942.84	685930.4	471059.9	-3902.79	99.82	89.4899	4954.03
11871.82	89.48981	181.4856	7062.68	330.2	-5042.62	685927.9	470960.1	-3903.68	99.82	89.48962	5053.42
11971.64	89.48981	181.4856	7063.57	327.61	-5142.4	685925.3	470860.3	-3904.57	99.82	89.4899	5152.83
12071.46	89.48981	181.4856	7064.46	325.02	-5242.18	685922.7	470760.5	-3905.46	99.82	89.4899	5252.25
12171.28	89.48977	181.4856	7065.35	322.44	-5341.97	685920.1	470660.8	-3906.35	99.82	89.48962	5351.69
12271.1	89.48972	181.4856	7066.23	319.85	-5441.75	685917.5	470561	-3907.23	99.82	89.4899	5451.14
12370.92	89.48963	181.4856	7067.12	317.26	-5541.53	685914.9	470461.2	-3908.12	99.82	89.48962	5550.6
12470.74	89.48953	181.4856	7068.01	314.67	-5641.31	685912.3	470361.4	-3909.01	99.82	89.48962	5650.08
12570.56	89.4894	181.4856	7068.9	312.09	-5741.09	685909.7	470261.6	-3909.9	99.82	89.48934	5749.57
12670.38	89.48926	181.4856	7069.79	309.5	-5840.88	685907.2	470161.8	-3910.79	99.82	89.48934	5849.07
12760.21	89.4891	181.4856	7070.59	307.17	-5930.68	685904.8	470072	-3911.59	89.84	89.48928	5938.63
12860.03	89.48891	181.4856	7071.48	304.58	-6030.46	685902.2	469972.3	-3912.48	99.82	89.48906	6038.15
12959.85	89.48869	181.4856	7072.37	301.99	-6130.24	685899.6	469872.5	-3913.37	99.82	89.48878	6137.68
13059.67	89.48846	181.4856	7073.26	299.41	-6230.03	685897.1	469772.7	-3914.26	99.82	89.4885	6237.22
13159.49	89.4882	181.4856	7074.16	296.82	-6329.81	685894.5	469672.9	-3915.16	99.82	89.48822	6336.76
13259.31	89.48793	181.4856	7075.05	294.23	-6429.59	685891.9	469573.1	-3916.05	99.82	89.48822	6436.32
13359.13	89.48762	181.4856	7075.94	291.64	-6529.37	685889.3	469473.3	-3916.94	99.82	89.48766	6535.88
13458.95	89.4873	181.4857	7076.83	289.05	-6629.15	685886.7	469373.6	-3917.83	99.82	89.48766	6635.45
13558.77	89.48695	181.4857	7077.73	286.47	-6728.94	685884.1	469273.8	-3918.73	99.82	89.4871	6735.03
13658.59	89.48659	181.4857	7078.62	283.88	-6828.72	685881.5	469174	-3919.62	99.82	89.48654	6834.62
13758.41	89.48618	181.4857	7079.52	281.29	-6928.5	685878.9	469074.2	-3920.52	99.82	89.48654	6934.21
13858.23	89.48578	181.4857	7080.41	278.7	-7028.28	685876.4	468974.4	-3921.41	99.82	89.48598	7033.81
13958.05	89.48534	181.4857	7081.31	276.11	-7128.06	685873.8	468874.7	-3922.31	99.82	89.48542	7133.41
14057.87	89.48488	181.4858	7082.2	273.53	-7227.85	685871.2	468774.9	-3923.2	99.82	89.48514	7233.02
14157.69	89.48439	181.4858	7083.1	270.94	-7327.63	685868.6	468675.1	-3924.1	99.82	89.48486	7332.64
14257.51	89.48389	181.4858	7084	268.35	-7427.41	685866	468575.3	-3925	99.82	89.48402	7432.26

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Strata Production Company
WELL NAME & NO.:	Forty Niner Ridge Unit 56H
LOCATION:	Sec 22-23S-30E-NMP
COUNTY:	Eddy County, New Mexico ▼

COA

H ₂ S	<input checked="" type="radio"/> No		<input type="radio"/> Yes	
Potash / WIPP	<input type="radio"/> None	<input type="radio"/> Secretary	<input checked="" type="radio"/> R-111-Q	<input type="radio"/> Open Annulus
	3-String Design: Intermediate Casing Designed for Frac Loads			<input type="radio"/> WIPP
Cave / Karst	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
Wellhead	<input checked="" type="radio"/> Conventional	<input type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
Cementing	<input type="radio"/> Primary Squeeze	<input type="radio"/> Cont. Squeeze	<input type="radio"/> EchoMeter	<input type="radio"/> DV Tool
Special Req	<input type="radio"/> Capitan Reef	<input type="radio"/> Water Disposal	<input type="radio"/> COM	<input checked="" type="checkbox"/> Unit
Waste Prev.	<input type="radio"/> Self-Certification	<input type="radio"/> Waste Man. Plan	<input checked="" type="radio"/> APD Submitted prior to 06/10/2024	
Additional Language	<input type="checkbox"/> Flex Hose	<input type="checkbox"/> Casing Clearance	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Break Testing
	<input type="checkbox"/> Four-String	<input type="checkbox"/> Offline Cementing	<input type="checkbox"/> Fluid-Filled	

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **450** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.**
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back **500 feet** into the previous casing but not higher than USGS Marker Bed No. 126. **Operator must verify top of cement per R-111-Q requirements.** Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.**

C. PRESSURE CONTROL

1. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220;
BLM NM CFO DrillingNotifications@BLM.GOV; (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's

requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve

open. (only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be

disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Strata Production Company

Forty Niner Ridge Unit #56H

Section 15-T23S-R30E

SHL: 1,660' FNL & 1,880' FEL of Sec 15

BHL: 1,500' FSL & 1,650' FEL of Sec 22

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 (H₂S).
- B. The proper use and maintenance of personal protective equipment and life support systems.
- C. The proper use of H₂S 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 H₂S 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 H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S 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. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S 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 H₂S.

- 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. H₂S detection and monitoring equipment:
2 - portable H₂S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S 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 H₂S 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 H₂S service.
- G. Communication:
Company vehicles equipped with cellular telephone.

W A R N I N G

**YOU ARE ENTERING AN H₂S 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**

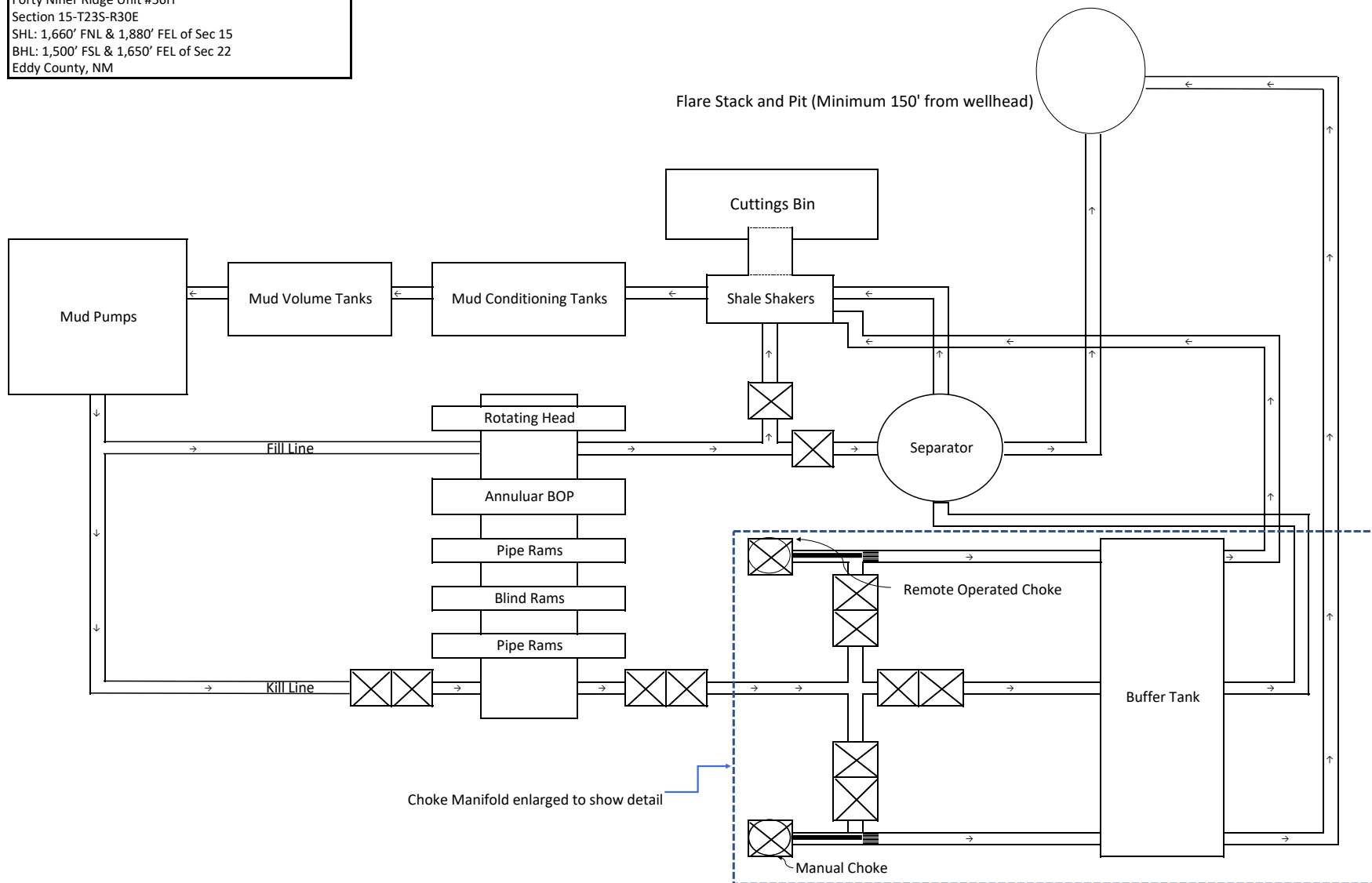
EMERGENCY NUMBERS**911 Must have Correct County & State & Directions to your location**

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
Jerry Elgin	575-622-1127 x18
Cheyenne Scharf	307-360-3062
Rygel Russell	575-626-1479
Pilar Mendoza	575-626-8161
Mitch Krakauskas	575-622-1127 x23

STRATA PRODUCTION COMPANY
Forty Niner Ridge Unit #56H
Section 15-T23S-R30E
SHL: 1,660' FNL & 1,880' FEL of Sec 15
BHL: 1,500' FSL & 1,650' FEL of Sec 22
Eddy County, NM



STRATA PRODUCTION COMPANY

Forty Niner Ridge Unit #56H

Sec 15-T23S-R30E

SHL: 1,660' FNL & 1,880' FEL of Sec 15

BHL: 1,500' FSL & 1,650' FEL of Sec 22

Eddy County, NM

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.

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 370404

CONDITIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID:
	21712
	Action Number: 370404
	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	8/27/2024
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	8/27/2024
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	8/27/2024
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	8/27/2024
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	8/27/2024
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	8/27/2024
ward.rikala	This well can not be produced until the operator is in compliance with Rule 5.9.	8/27/2024
ward.rikala	The operator must comply with all of the requirements of R-111-Q.	8/27/2024