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
30-015-54350	24750	FORTY NINER RIDGE DELAWARE

4 Property Code	5 Property Name	6 Well Number
334844	EEYORE 27-28 HEL FED COM	2H

7 OGRID NO.	8 Operator Name	9 Elevation
21712	STRATA PRODUCTION COMPANY	3329'

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
H	27	23S	30E		2240	NORTH	230	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
E	28	23S	30E		2240	NORTH	100	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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.

16

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND BRASS CAP "1942"
N: 461738.8 – E: 676853.9

B: FOUND BRASS CAP "1942"
N: 464397.1 – E: 676833.0

C: FOUND BRASS CAP "1942"
N: 467056.9 – E: 676813.6

D: FOUND BRASS CAP "1942"
N: 467055.3 – E: 679493.2

E: FOUND BRASS CAP "1942"
N: 467055.4 – E: 682172.6

F: FOUND BRASS CAP "1942"
N: 467070.0 – E: 684851.5

G: FOUND BRASS CAP "1942"
N: 467084.8 – E: 687530.3

H: FOUND BRASS CAP "1942"
N: 464438.9 – E: 687539.5

I: FOUND BRASS CAP "1942"
N: 461793.6 – E: 687549.5

J: FOUND BRASS CAP "1942"
N: 461774.6 – E: 684874.6

K: FOUND BRASS CAP "1942"
N: 461758.2 – E: 682200.1

L: FOUND BRASS CAP "1942"
N: 461748.4 – E: 679526.2

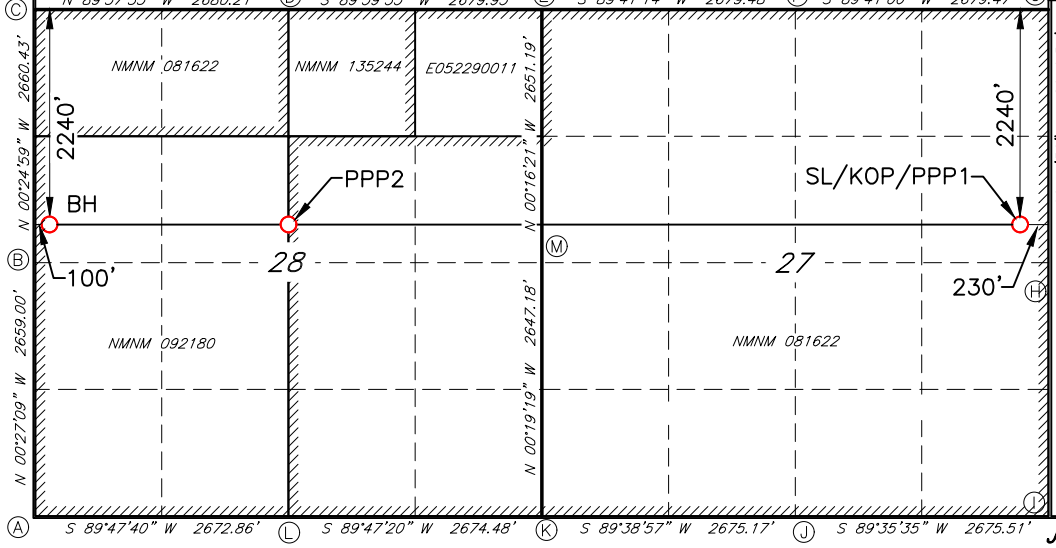
M: FOUND BRASS CAP "1942"
N: 464404.8 – E: 682185.2

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)/
KICK OFF POINT (KOP)/PROPOSED
PENETRATION POINT 1 (PPP1)
N: 464844.0 – E: 687308.1
LAT: 32.2770474° N
LONG: 103.8610189° W

PROPOSED
PENETRATION POINT 2 (PPP2)
2240' FNL – 2677' FWL SEC.28
N: 464815.8 – E: 679506.3
LAT: 32.2770617° N
LONG: 103.8962627° W

BOTTOM HOLE (BH)
N: 464817.4 – E: 676929.9
LAT: 32.2770953° N
LONG: 103.8945990° W



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 — Date: 05/30/2023

Jerry Elgin, VP of Operations
Printed Name

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.

03/27/2023
Date of Survey

Signature and Seal of Professional Surveyor:

DALE E. BELL
NEW MEXICO
14400
PROFESSIONAL SURVEYOR
05/30/2023

14400
Certificate Number

REV: BH MOVE 4/25/23
REV: WELL CALLS & LEASE AREAS 5/12/23

Job No.: LS23020160R

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. 30-015-54350

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: 11/03/2023

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:** 10/10/23

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
Eeyore Fed Com 27 28 HEL 2H		Sec 27-T23S-R30E	2240' FNL & 230' FEL	800	1,200	2,200

IV. Central Delivery Point Name: Common Tank Battery #2 [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
Eeyore Fed Com 27 28 HEL 2H		4/4/2024	5/4/2024	5/10/2024	5/15/2024	5/23/2024

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
Eeyore Fed Com 27 28 HEL 2H		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	5/23/2024	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:	10/10/2023
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

Eeyore Fed Com 27 28 HEL #2H
Section 27-T23S-R30E
Eddy County, New Mexico

Attachment to NMOCD Form NGMP

VI. Separation Equipment

Separation equipment consists of a 6' X 20' X 250 psi 3 phase separator at the well site in Section 27-T23S-R30E that separates the gas, water, and oil. The gas is routed to a gas gathering line that follows 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 2 in the SWNW of Section 23-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 unit 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 of 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'

SCALE: 1" = 3000'
0 1500' 3000'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA – GLO
◇ CALCULATED CORNER
◆ FOUND MONUMENT AS NOTED
PROPOSED MAIN CORRIDOR
ACCESS ROAD
ELECTRIC LINE

SCALE: 1" = 3000'
DATE: 5/22/2019
SURVEYED BY: BK/AS
DRAWN BY: GA
APPROVED BY: RMH
SHEET: 1 OF 12

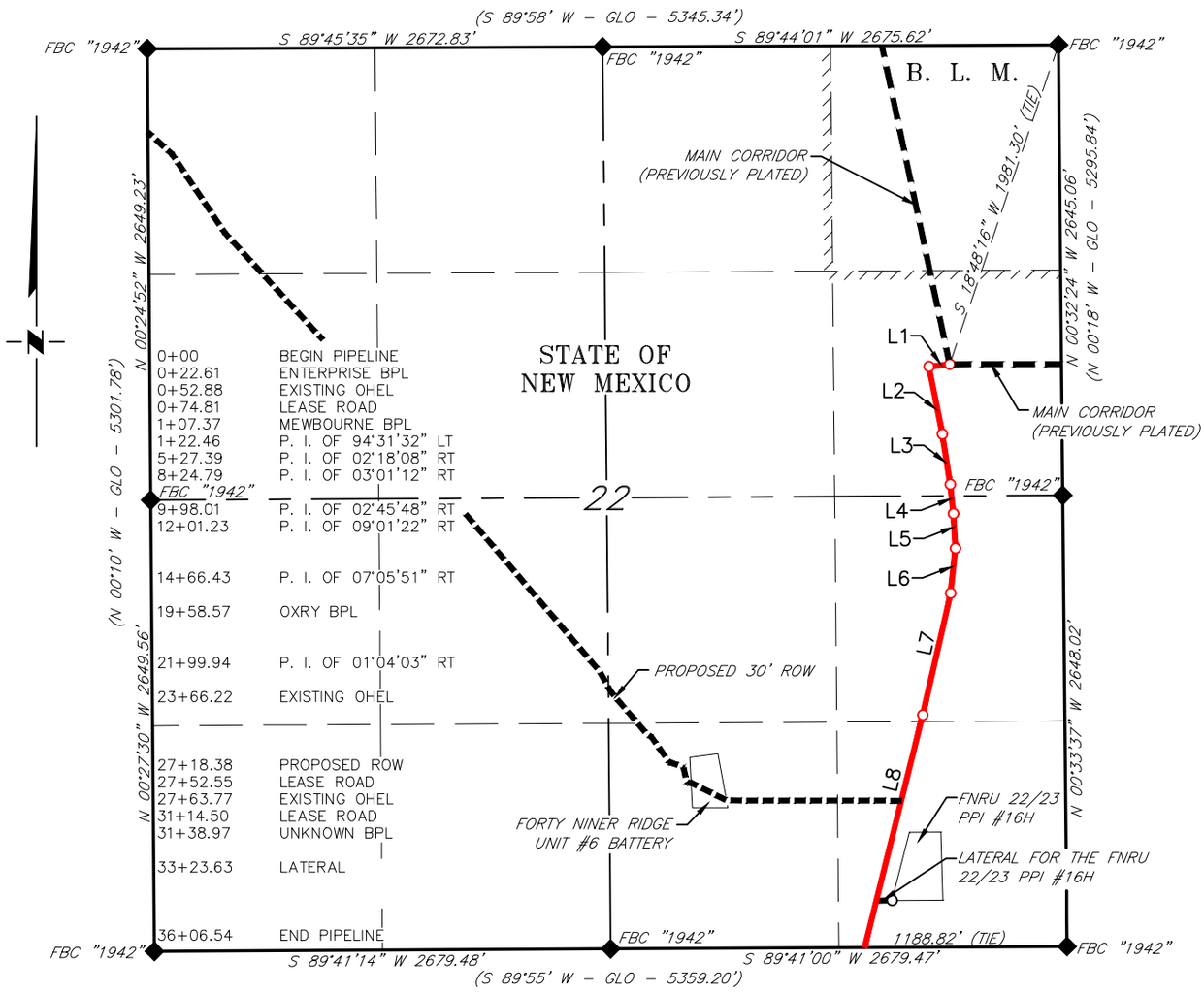
RRC

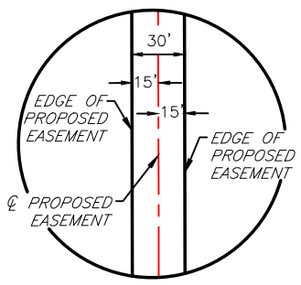
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

NO.	REVISION	DATE

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

STRATA PRODUCTION COMPANY
CTB 2 TO FNRU SWD
SECTION 22, T23S, R30E
N. M. P. M., EDDY COUNTY, NEW MEXICO





DETAIL "A"
N. T. S.

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 83°16'14" W	122.46'
L2	S 11°15'18" E	404.93'
L3	S 08°57'10" E	297.40'
L4	S 05°55'58" E	173.22'
L5	S 03°10'10" E	203.22'
L6	S 05°51'12" W	265.20'
L7	S 12°57'03" W	733.51'
L8	S 14°01'06" W	1,406.61'

SCALE: 1" = 1000'
0 500' 1000'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA – GLO
◆ FOUND MONUMENT AS NOTED
PROPOSED PIPELINE

I, Dale E. Bell, New Mexico Professional Surveyor No. 14400, do hereby certify that this Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey, said survey and plat meets the Minimum Standards for Land Surveying in the State of New Mexico and that it is true and correct to the best of my knowledge and belief.

Dale E. Bell NM PS 14400

DALE E. BELL
NEW MEXICO
14400
11/07/2022
PROFESSIONAL SURVEYOR

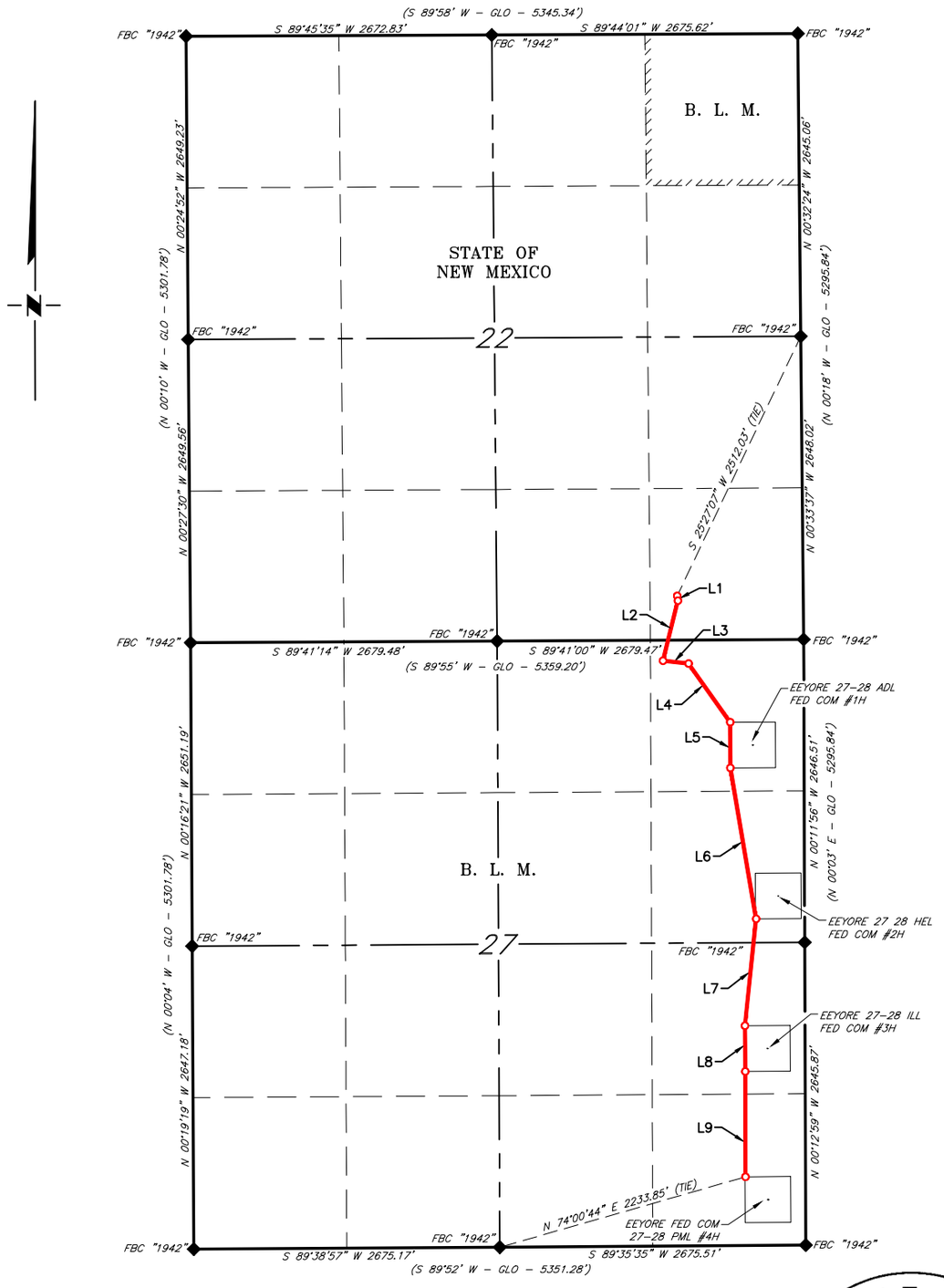
NO.	REVISION	DATE

JOB NO.: LS22060710R
DWG. NO.: 22060710R–1

RRC ENERGY SERVICES LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964–8200

SCALE: 1" = 1000'
DATE: 06/09/2022
SURVEYED BY: RU/TF/OC
DRAWN BY: RQ
APPROVED BY: DEB
SHEET: 1 OF 3

STRATA PRODUCTION COMPANY
EEYORE 27-28 ADL FED WELLS TO CORRIDOR
SECTIONS 22 & 27, T23S, R30E
N. M. P. M., EDDY COUNTY, NEW MEXICO



LINE TABLE		
LINE	BEARING	LENGTH
L1	S 07°56'55" E	42.36'
L2	S 13°57'13" W	540.54'
L3	S 83°39'24" E	224.94'
L4	S 35°22'24" E	627.86'
L5	S 00°18'31" E	399.87'
L6	S 09°40'01" E	1,337.75'
L7	S 05°57'42" W	938.88'
L8	S 00°23'37" E	400.01'
L9	S 00°07'43" E	919.98'

DALE E. BELL
NEW MEXICO
14400
PROFESSIONAL SURVEYOR
05/30/2023

SCALE: 1" = 1400'
0 700' 1400'

BEARINGS ARE GRID NAD 83 NM EAST
DISTANCES ARE HORIZ. GROUND.

LEGEND
( ) RECORD DATA - GLO
◆ FOUND MONUMENT AS NOTED
PROPOSED PIPELINE

NO.	REVISION	DATE
1	REROUTE	5/12/23
JOB NO.: LS23030302R		
DWG. NO.: 23030302R-1		

RRC ENERGY SERVICES, LLC.
701 S. CECIL ST., HOBBS, NM 88240 (575) 964-8200

SCALE:	1" = 1400'
DATE:	03/27/2023
SURVEYED BY:	JF/GA
DRAWN BY:	LM
APPROVED BY:	DEB
SHEET:	1 OF 4

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

Drilling Plan Data Report
11/06/2023

APD ID: 10400091982 **Submission Date:** 06/05/2023

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

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
12409301	RUSTLER	3329	177	177	ANHYDRITE	NONE	N
12409302	SALADO	2782	547	547	SALT	NONE	N
12409303	BASE OF SALT	-482	3811	3811	SALT	NONE	N
12409304	LAMAR	-546	3875	3875	LIMESTONE	NATURAL GAS, OIL	Y
12409305	BELL CANYON	-570	3899	3899	SANDSTONE	NATURAL GAS, OIL	Y
12409306	CHERRY CANYON	-1472	4801	4801	LIMESTONE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Y
12409307	BRUSHY CANYON	-2776	6105	6105	LIMESTONE, SANDSTONE, SILTSTONE	NATURAL GAS, OIL	Y
12409308	BONE SPRING	-4427	7756	7756	LIMESTONE, SHALE	NONE	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 attachement.

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:

Eeyore_27_28_HEL_Fed_Com__2H_Choke_Diagram_20230501163515.pdf

BOP Diagram Attachment:

Eeyore_27_28_HEL_Fed_Com__2H_BOPE_Description_20230501163539.pdf

Eeyore_27_28_HEL_Fed_Com__2H_BOPE_20230501163543.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

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	PRODUCTION	17.5	13.375	NEW	API	N	0	450	0	450	3329	2879	450	H-40	48	ST&C	3.95	7.39	DRY	14.91	DRY	25.05
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	4000	0	4000	3329	-671	4000	J-55	40	LT&C	1.48	1.9	DRY	2.83	DRY	4.81
3	PRODUCTION	8.75	7.0	NEW	API	N	0	6900	0	6900	3329	-3571	6900	P-110	29	BUTT	2.85	3.13	DRY	4.77	DRY	4.64
4	PRODUCTION	8.75	5.0	NEW	API	N	6900	17390	6900	7465	-3571	-4136	10490	P-110	20	BUTT	3.43	2.27	DRY	3.06	DRY	3.18

Casing Attachments

Casing ID: 1 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Eeyore_27_28_HEL_Fed_Com__2H_Casing_Worksheet_20230512140316.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

Casing Attachments

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Eeyore_27_28_HEL_Fed_Com__2H_Casing_Worksheet_20230512140331.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Eeyore_27_28_HEL_Fed_Com__2H_Casing_Worksheet_20230512140201.pdf

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Eeyore_27_28_HEL_Fed_Com__2H_Casing_Worksheet_20230512140302.pdf

Section 4 - Cement

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

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	17390	2545	1.43	13.2	3649	25	Class H	Salt, gel, extender, LCM
PRODUCTION	Lead		0	450	469	1.33	14.8	623	100	Class C	CaCl, LCM
INTERMEDIATE	Lead		0	3500	862	1.91	12.9	1645	50	Class C	Salt, gel, extender, LCM
INTERMEDIATE	Tail		3500	4000	194	1.33	14.8	258	65	Class C	Salt, LCM
PRODUCTION	Lead	5200	0	3500	228	2.54	11	578	10	Class C	Salt, gel, extender, LCM
PRODUCTION	Tail		3500	5200	287	1.34	14.8	382	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 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	WATER-BASED MUD	8.5	8.9			10				Spud with fresh water and build mud while drilling.

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

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	4000	SALT SATURATED	10	10.5			10				Drill with brine water with LCM and gel sweeps.
4000	17390	WATER-BASED MUD	9.5	10.2			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: 3360 **Anticipated Surface Pressure:** 1717

Anticipated Bottom Hole Temperature(F): 125

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

Eeyore_27_28_HEL_Fed_Com__2H_H2S_Plan_20230501163759.pdf

Operator Name: STRATA PRODUCTION COMPANY

Well Name: EEYORE 27 28 HEL FED COM **Well Number:** 2H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

Eeyore_27_28_HEL_Fed_Com__2H_Preliminary_Well_Plan_20230512141447.pdf

Eeyore_27_28_HEL_Fed_Com__2H_WBD_20230605163325.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Eeyore_27_28_HEL_Fed_Com__2H_NGMP_20230501163855.pdf

Other Variance attachment:

Eeyore 27 28 Fed Com #2h

#	MD (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	DX (ft)	DY (ft)	X (ft)	Y (ft)	Subsea (ft)	Segment Length	Segment Inclination	Offset
	0	0	0	0	0	0	687308.1	464844	3251	0	0	0
	98.96	0	0	98.96	0	0	687308.1	464844	3152.04	98.96	0	0
	197.92	0.00001	0	197.92	0	0	687308.1	464844	3053.08	98.96	0	0
	296.87	0.00001	0	296.87	0	0	687308.1	464844	2954.13	98.96	0.00001	0
	395.83	0.00002	0	395.83	0	0	687308.1	464844	2855.17	98.96	0.00001	0
	494.79	0.00003	0	494.79	0	0	687308.1	464844	2756.21	98.96	0.00001	0
	593.75	0.00003	0	593.75	0	0	687308.1	464844	2657.25	98.96	0.00001	0
	692.7	0.00004	0	692.7	0	0	687308.1	464844	2558.3	98.96	0.00001	0
	791.66	0.00005	0	791.66	0	0	687308.1	464844	2459.34	98.96	0.00002	0
	890.62	0.00006	0	890.62	0	0	687308.1	464844	2360.38	98.96	0.00002	0
	989.58	0.00006	216.9079	989.58	0	0	687308.1	464844	2261.42	98.96	0.00002	0
	1088.54	0.00006	0	1088.54	0	0	687308.1	464844	2162.47	98.96	0.00002	0
	1187.49	0.00007	221.7599	1187.49	0	0	687308.1	464844	2063.51	98.96	0.00002	0
	1286.45	0.00006	356.6877	1286.45	0	0	687308.1	464844	1964.55	98.96	0.00002	0
	1385.41	0.00007	224.004	1385.41	0	0	687308.1	464844	1865.59	98.96	0.00003	0
	1484.37	0.00006	353.5486	1484.37	0	0	687308.1	464844	1766.63	98.96	0.00003	0
	1583.32	0.00007	225.9578	1583.32	0	0	687308.1	464844	1667.68	98.96	0.00003	0
	1682.28	0.00006	350.7009	1682.28	0	0	687308.1	464844	1568.72	98.96	0.00003	0
	1781.24	0.00007	227.7117	1781.24	0	0	687308.1	464844	1469.76	98.96	0.00003	0
	1880.2	0.00006	348.0675	1880.2	0	0	687308.1	464844	1370.8	98.96	0.00003	0
	1979.16	0.00008	229.2538	1979.16	0	0	687308.1	464844	1271.85	98.96	0.00004	0
	2078.11	0.00006	345.6771	2078.11	0	0	687308.1	464844	1172.89	98.96	0.00004	0
	2177.07	0.00008	230.6146	2177.07	0	0	687308.1	464844	1073.93	98.96	0.00004	0
	2276.03	0.00006	343.5369	2276.03	0	0	687308.1	464844	974.97	98.96	0.00004	0
	2374.99	0.00008	231.8304	2374.99	0	0	687308.1	464844	876.01	98.96	0.00004	0
	2473.94	0.00006	341.6313	2473.94	0	0	687308.1	464844	777.06	98.96	0.00004	0
	2572.9	0.00008	232.8979	2572.9	0	0	687308.1	464844	678.1	98.96	0.00004	0
	2671.86	0.00006	339.9361	2671.86	0	0	687308.1	464844	579.14	98.96	0.00004	0
	2770.82	0.00008	233.8384	2770.82	0	0	687308.1	464844	480.18	98.96	0.00004	0
	2869.78	0.00006	338.436	2869.78	0	0	687308.1	464844	381.23	98.96	0.00005	0
	2968.73	0.00008	234.6559	2968.73	0	0	687308.1	464844	282.27	98.96	0.00005	0
	3067.69	0.00006	337.1324	3067.69	0	0	687308.1	464844	183.31	98.96	0.00005	0
	3166.65	0.00009	235.3656	3166.65	0	0	687308.1	464844	84.35	98.96	0.00005	0
	3265.61	0.00007	336.0047	3265.61	0	0	687308.1	464844	-14.61	98.96	0.00005	0
	3364.56	0.00009	235.9686	3364.56	0	0	687308.1	464844	-113.56	98.96	0.00005	0
	3463.52	0.00007	335.0394	3463.52	0	0	687308.1	464844	-212.52	98.96	0.00005	0
	3562.48	0.00009	236.4776	3562.48	0	0	687308.1	464844	-311.48	98.96	0.00005	0
	3661.44	0.00007	334.2475	3661.44	0	0	687308.1	464844	-410.44	98.96	0.00005	0
	3760.39	0.00009	236.8993	3760.4	0	0	687308.1	464844	-509.39	98.96	0.00005	0
	3859.35	0.00007	333.5845	3859.35	0	0	687308.1	464844	-608.35	98.96	0.00005	0
	3958.31	0.00009	237.2253	3958.31	0	0	687308.1	464844	-707.31	98.96	0.00005	0
	4057.27	0.00007	333.0878	4057.27	0	0	687308.1	464844	-806.27	98.96	0.00005	0
	4156.23	0.00009	237.4782	4156.23	0	0	687308.1	464844	-905.23	98.96	0.00005	0
	4255.18	0.00007	332.7235	4255.18	0	0	687308.1	464844	-1004.18	98.96	0.00005	0
	4354.14	0.00009	237.6452	4354.14	0	0	687308.1	464844	-1103.14	98.96	0.00005	0
	4453.1	0.00007	332.4984	4453.1	0	0	687308.1	464844	-1202.1	98.96	0.00005	0
	4552.06	0.00009	237.7361	4552.06	0	0	687308.1	464844	-1301.06	98.96	0.00005	0
	4651.01	0.00007	332.4058	4651.01	0	0	687308.1	464844	-1400.01	98.96	0.00005	0
	4749.97	0.00009	237.7488	4749.97	0	0	687308.1	464844	-1498.97	98.96	0.00005	0
	4848.93	0.00007	332.4435	4848.93	0	0	687308.1	464844	-1597.93	98.96	0.00005	0
	4947.89	0.00009	237.6786	4947.89	0	0	687308.1	464844	-1696.89	98.96	0.00005	0
	5046.85	0.00007	332.6122	5046.85	0	0	687308.1	464844	-1795.85	98.96	0.00005	0
	5145.8	0.00009	237.531	5145.8	0	0	687308.1	464844	-1894.8	98.96	0.00005	0
	5244.76	0.00007	332.9169	5244.76	0	0	687308.1	464844	-1993.76	98.96	0.00005	0
	5343.72	0.00009	237.3053	5343.72	0	0	687308.1	464844	-2092.72	98.96	0.00005	0

5442.68	0.00007	333.3669	5442.68	0	0	687308.1	464844	-2191.68	98.96	0.00005	0
5541.63	0.00009	236.9957	5541.63	0	0	687308.1	464844	-2290.63	98.96	0.00005	0
5640.59	0.00007	333.958	5640.59	0	0	687308.1	464844	-2389.59	98.96	0.00005	0
5739.55	0.00009	236.6026	5739.55	0	0	687308.1	464844	-2488.55	98.96	0.00005	0
5838.51	0.00007	334.6884	5838.51	0	0	687308.1	464844	-2587.51	98.96	0.00005	0
5937.47	0.00009	236.1133	5937.47	0	0	687308.1	464844	-2686.47	98.96	0.00005	0
6036.42	0.00007	335.6023	6036.42	0	0	687308.1	464844	-2785.42	98.96	0.00005	0
6135.38	0.00009	235.5456	6135.38	0	0	687308.1	464844	-2884.38	98.96	0.00005	0
6234.34	0.00007	336.6675	6234.34	0	0	687308.1	464844	-2983.34	98.96	0.00005	0
6333.3	0.00008	234.867	6333.3	0	0	687308.1	464844	-3082.3	98.96	0.00005	0
6432.25	0.00006	337.8933	6432.25	0	0	687308.1	464844	-3181.25	98.96	0.00005	0
6531.21	0.00008	234.076	6531.21	0	0	687308.1	464844	-3280.21	98.96	0.00005	0
6630.17	0.00006	339.2946	6630.17	0	0	687308.1	464844	-3379.17	98.96	0.00005	0
6729.13	0.00008	233.1659	6729.13	0	0	687308.1	464844	-3478.13	98.96	0.00004	0
6828.08	0.00006	340.9083	6828.08	0	0	687308.1	464844	-3577.08	98.96	0.00004	0
6927.04	0.00008	232.1333	6927.04	0	0	687308.1	464844	-3676.04	98.96	0.00004	0
7026	0.00006	342.7566	7026	0	0	687308.1	464844	-3775	98.96	0.00004	0
7057.34	4.47463	270.1616	7057.31	-1.23	0	687306.9	464844	-3806.31	31.34	2.23731	1.23
7088.6	8.77093	270.1509	7088.35	-4.83	0.01	687303.3	464844	-3837.35	31.26	6.62282	4.83
7118.93	12.83626	270.1438	7118.14	-10.52	0.03	687297.6	464844.1	-3867.14	30.33	10.80357	10.52
7150.21	16.85199	270.1345	7148.37	-18.53	0.05	687289.6	464844.1	-3897.37	31.28	14.84423	18.53
7180.64	20.65001	270.1264	7177.18	-28.31	0.07	687279.8	464844.1	-3926.18	30.43	18.75101	28.31
7211.14	24.30493	270.117	7205.36	-39.97	0.09	687268.1	464844.1	-3954.36	30.51	22.47749	39.97
7242.67	27.99407	270.1078	7233.65	-53.86	0.12	687254.2	464844.2	-3982.65	31.52	26.14945	53.86
7273.34	31.45759	270.0977	7260.29	-69.07	0.15	687239	464844.2	-4009.29	30.68	29.72568	69.07
7304.09	34.88536	270.0878	7286.02	-85.89	0.18	687222.2	464844.2	-4035.02	30.75	33.17176	85.89
7334.9	38.23127	270.0768	7310.76	-104.24	0.2	687203.9	464844.2	-4059.76	30.81	36.55795	104.24
7365.74	41.57815	270.066	7334.42	-124.02	0.23	687184.1	464844.3	-4083.42	30.84	39.90469	124.02
7396.59	44.88078	270.0539	7356.89	-145.15	0.25	687163	464844.3	-4105.89	30.85	43.22977	145.15
7427.43	48.22245	270.0419	7378.1	-167.53	0.27	687140.6	464844.3	-4127.1	30.84	46.55154	167.53
7458.23	51.55802	270.0287	7397.94	-191.08	0.28	687117	464844.3	-4146.94	30.8	49.89033	191.08
7488.97	54.97052	270.0153	7416.32	-215.72	0.29	687092.4	464844.3	-4165.32	30.74	53.26374	215.72
7519.63	58.41418	270.0006	7433.16	-241.34	0.29	687066.8	464844.3	-4182.16	30.66	56.69257	241.34
7551.13	62.07857	269.9852	7448.79	-268.68	0.29	687039.4	464844.3	-4197.79	31.5	60.24618	268.68
7581.61	65.70588	269.9688	7462.19	-296.04	0.28	687012.1	464844.3	-4211.19	30.47	63.89256	296.04
7611.99	69.47386	269.952	7473.77	-324.12	0.26	686984	464844.3	-4222.77	30.38	67.59013	324.12
7643.2	73.45709	269.933	7483.7	-353.72	0.23	686954.4	464844.3	-4232.7	31.22	71.46562	353.72
7674.37	77.61362	269.9133	7491.48	-383.88	0.19	686924.2	464844.2	-4240.48	31.16	75.53457	383.88
7704.6	81.75995	269.8924	7496.89	-413.62	0.14	686894.5	464844.2	-4245.89	30.23	79.68756	413.62
7735.79	86.20295	269.8699	7500.16	-444.63	0.08	686863.5	464844.1	-4249.16	31.19	83.98094	444.63
7766.18	90.62358	269.8459	7501	-475	0	686833.1	464844	-4250	30.39	88.41342	475
7875.13	90.62415	269.8459	7499.81	-583.94	-0.29	686724.2	464843.7	-4248.81	108.94	90.62378	583.94
7974.16	90.62464	269.8459	7498.73	-682.97	-0.56	686625.1	464843.5	-4247.73	99.04	90.62458	682.97
8073.2	90.62514	269.8459	7497.65	-782	-0.83	686526.1	464843.2	-4246.65	99.04	90.62486	782
8172.24	90.62562	269.8459	7496.57	-881.04	-1.09	686427.1	464842.9	-4245.57	99.04	90.62543	881.04
8271.28	90.6261	269.8459	7495.49	-980.07	-1.36	686328	464842.7	-4244.49	99.04	90.62571	980.07
8370.32	90.62656	269.8459	7494.41	-1079.1	-1.62	686229	464842.4	-4243.41	99.04	90.62627	1079.1
8469.35	90.62703	269.8459	7493.33	-1178.13	-1.89	686130	464842.1	-4242.33	99.04	90.62684	1178.13
8568.39	90.62748	269.8459	7492.24	-1277.16	-2.16	686030.9	464841.9	-4241.24	99.04	90.6274	1277.17
8667.43	90.62793	269.8459	7491.16	-1376.2	-2.42	685931.9	464841.6	-4240.16	99.04	90.62769	1376.2
8766.47	90.62836	269.8459	7490.07	-1475.23	-2.69	685832.9	464841.3	-4239.07	99.04	90.62797	1475.23
8865.51	90.62879	269.8459	7488.98	-1574.26	-2.96	685733.8	464841.1	-4237.98	99.04	90.62853	1574.26
8964.55	90.62922	269.8459	7487.9	-1673.29	-3.22	685634.8	464840.8	-4236.9	99.04	90.6291	1673.3
9063.59	90.62963	269.8459	7486.81	-1772.33	-3.49	685535.8	464840.5	-4235.81	99.04	90.62938	1772.33
9162.62	90.63004	269.8459	7485.72	-1871.36	-3.75	685436.7	464840.3	-4234.72	99.04	90.62995	1871.36
9261.66	90.63044	269.8459	7484.63	-1970.39	-4.02	685337.7	464840	-4233.63	99.04	90.63023	1970.39
9360.7	90.63083	269.8459	7483.54	-2069.42	-4.29	685238.7	464839.7	-4232.54	99.04	90.63051	2069.43
9459.74	90.63122	269.8459	7482.45	-2168.45	-4.55	685139.6	464839.5	-4231.45	99.04	90.63108	2168.46
9558.78	90.63159	269.8459	7481.36	-2267.49	-4.82	685040.6	464839.2	-4230.36	99.04	90.63136	2267.49
9657.82	90.63197	269.8459	7480.27	-2366.52	-5.09	684941.6	464838.9	-4229.27	99.04	90.63192	2366.52
9756.85	90.63232	269.8459	7479.17	-2465.55	-5.35	684842.6	464838.7	-4228.17	99.04	90.63221	2465.56

9855.89	90.63268	269.8459	7478.08	-2564.58	-5.62	684743.5	464838.4	-4227.08	99.04	90.63249	2564.59
9954.93	90.63303	269.8459	7476.99	-2663.61	-5.89	684644.5	464838.1	-4225.99	99.04	90.63277	2663.62
10053.97	90.63336	269.8459	7475.89	-2762.65	-6.15	684545.5	464837.9	-4224.89	99.04	90.63334	2762.65
10153.01	90.6337	269.8459	7474.8	-2861.68	-6.42	684446.4	464837.6	-4223.8	99.04	90.63334	2861.68
10252.04	90.63402	269.8459	7473.7	-2960.71	-6.68	684347.4	464837.4	-4222.7	99.04	90.6339	2960.72
10351.08	90.63433	269.8459	7472.61	-3059.74	-6.95	684248.4	464837.1	-4221.61	99.04	90.63418	3059.75
10450.12	90.63464	269.8459	7471.51	-3158.77	-7.22	684149.3	464836.8	-4220.51	99.04	90.63447	3158.78
10549.16	90.63494	269.8459	7470.41	-3257.8	-7.48	684050.3	464836.6	-4219.41	99.04	90.63475	3257.81
10648.2	90.63524	269.8459	7469.31	-3356.84	-7.75	683951.3	464836.3	-4218.31	99.04	90.63503	3356.85
10747.24	90.63552	269.8459	7468.22	-3455.87	-8.02	683852.2	464836	-4217.22	99.04	90.6356	3455.88
10846.28	90.6358	269.8459	7467.12	-3554.9	-8.28	683753.2	464835.8	-4216.12	99.04	90.6356	3554.91
10945.31	90.63606	269.8459	7466.02	-3653.93	-8.55	683654.2	464835.5	-4215.02	99.04	90.63588	3653.94
11044.35	90.63633	269.8459	7464.92	-3752.96	-8.81	683555.1	464835.2	-4213.92	99.04	90.63616	3752.97
11143.39	90.63658	269.8459	7463.82	-3852	-9.08	683456.1	464835	-4212.82	99.04	90.63644	3852.01
11242.43	90.63683	269.8459	7462.72	-3951.03	-9.35	683357.1	464834.7	-4211.72	99.04	90.63673	3951.04
11341.47	90.63706	269.8459	7461.62	-4050.06	-9.61	683258	464834.4	-4210.62	99.04	90.63701	4050.07
11440.51	90.6373	269.8459	7460.52	-4149.09	-9.88	683159	464834.2	-4209.52	99.04	90.63729	4149.1
11539.54	90.63752	269.846	7459.41	-4248.12	-10.15	683060	464833.9	-4208.41	99.04	90.63729	4248.14
11638.58	90.63773	269.846	7458.31	-4347.16	-10.41	682960.9	464833.6	-4207.31	99.04	90.63757	4347.17
11737.62	90.63794	269.846	7457.21	-4446.19	-10.68	682861.9	464833.4	-4206.21	99.04	90.63786	4446.2
11836.66	90.63815	269.846	7456.11	-4545.22	-10.94	682762.9	464833.1	-4205.11	99.04	90.63814	4545.23
11935.7	90.63834	269.846	7455	-4644.25	-11.21	682663.8	464832.8	-4204	99.04	90.63814	4644.26
12034.74	90.63852	269.846	7453.9	-4743.28	-11.48	682564.8	464832.6	-4202.9	99.04	90.63842	4743.3
12133.77	90.63869	269.846	7452.8	-4842.32	-11.74	682465.8	464832.3	-4201.8	99.04	90.6387	4842.33
12232.81	90.63887	269.846	7451.69	-4941.35	-12.01	682366.8	464832	-4200.69	99.04	90.6387	4941.36
12331.85	90.63903	269.846	7450.59	-5040.38	-12.28	682267.7	464831.8	-4199.59	99.04	90.63899	5040.39
12430.89	90.63918	269.846	7449.48	-5139.41	-12.54	682168.7	464831.5	-4198.48	99.04	90.63899	5139.43
12529.93	90.63933	269.846	7448.38	-5238.44	-12.81	682069.7	464831.2	-4197.38	99.04	90.63927	5238.46
12628.97	90.63947	269.846	7447.27	-5337.47	-13.08	681970.6	464831	-4196.27	99.04	90.63955	5337.49
12728	90.6396	269.846	7446.17	-5436.51	-13.34	681871.6	464830.7	-4195.17	99.04	90.63955	5436.52
12827.04	90.63972	269.846	7445.06	-5535.54	-13.61	681772.6	464830.4	-4194.06	99.04	90.63955	5535.55
12926.08	90.63984	269.846	7443.96	-5634.57	-13.87	681673.5	464830.2	-4192.96	99.04	90.63983	5634.59
13025.12	90.63995	269.846	7442.85	-5733.6	-14.14	681574.5	464829.9	-4191.85	99.04	90.63983	5733.62
13124.16	90.64005	269.846	7441.74	-5832.63	-14.41	681475.5	464829.6	-4190.74	99.04	90.64012	5832.65
13223.2	90.64014	269.846	7440.64	-5931.67	-14.67	681376.4	464829.4	-4189.64	99.04	90.64012	5931.68
13322.23	90.64023	269.846	7439.53	-6030.7	-14.94	681277.4	464829.1	-4188.53	99.04	90.64012	6030.72
13421.27	90.6403	269.846	7438.42	-6129.73	-15.21	681178.4	464828.8	-4187.42	99.04	90.6404	6129.75
13520.31	90.64037	269.846	7437.32	-6228.76	-15.47	681079.3	464828.6	-4186.32	99.04	90.64012	6228.78
13619.35	90.64043	269.846	7436.21	-6327.79	-15.74	680980.3	464828.3	-4185.21	99.04	90.6404	6327.81
13718.39	90.64049	269.846	7435.1	-6426.82	-16	680881.3	464828	-4184.1	99.04	90.64068	6426.84
13817.43	90.64053	269.846	7434	-6525.86	-16.27	680782.2	464827.8	-4183	99.04	90.6404	6525.88
13916.46	90.64057	269.846	7432.89	-6624.89	-16.54	680683.2	464827.5	-4181.89	99.04	90.64068	6624.91
14015.5	90.64061	269.846	7431.78	-6723.92	-16.8	680584.2	464827.2	-4180.78	99.04	90.6404	6723.94
14114.54	90.64063	269.846	7430.67	-6822.95	-17.07	680485.1	464827	-4179.67	99.04	90.64068	6822.97
14213.58	90.64065	269.846	7429.57	-6921.98	-17.34	680386.1	464826.7	-4178.57	99.04	90.64068	6922.01
14312.62	90.64066	269.846	7428.46	-7021.02	-17.6	680287.1	464826.4	-4177.46	99.04	90.64068	7021.04
14411.66	90.64066	269.846	7427.35	-7120.05	-17.87	680188.1	464826.2	-4176.35	99.04	90.64068	7120.07
14510.7	90.64065	269.846	7426.24	-7219.08	-18.13	680089	464825.9	-4175.24	99.04	90.64068	7219.1
14609.73	90.64063	269.846	7425.14	-7318.11	-18.4	679990	464825.6	-4174.14	99.04	90.6404	7318.13
14708.77	90.64061	269.846	7424.03	-7417.14	-18.67	679891	464825.4	-4173.03	99.04	90.64068	7417.17
14807.81	90.64058	269.846	7422.92	-7516.17	-18.93	679791.9	464825.1	-4171.92	99.04	90.64068	7516.2
14906.85	90.64054	269.846	7421.81	-7615.21	-19.2	679692.9	464824.8	-4170.81	99.04	90.64068	7615.23
15005.89	90.6405	269.846	7420.71	-7714.24	-19.47	679593.9	464824.6	-4169.71	99.04	90.6404	7714.26
15095.02	90.64045	269.846	7419.71	-7803.37	-19.71	679504.7	464824.3	-4168.71	89.13	90.6403	7803.39
15194.06	90.64039	269.846	7418.6	-7902.4	-19.97	679405.7	464824.1	-4167.6	99.04	90.64068	7902.42
15293.1	90.64032	269.846	7417.5	-8001.43	-20.24	679306.7	464823.8	-4166.5	99.04	90.64012	8001.46
15392.14	90.64024	269.846	7416.39	-8100.46	-20.5	679207.6	464823.5	-4165.39	99.04	90.6404	8100.49
15491.17	90.64016	269.846	7415.28	-8199.49	-20.77	679108.6	464823.3	-4164.28	99.04	90.64012	8199.52
15590.21	90.64007	269.846	7414.18	-8298.53	-21.04	679009.6	464823	-4163.18	99.04	90.64012	8298.55
15689.25	90.63997	269.846	7413.07	-8397.56	-21.3	678910.5	464822.7	-4162.07	99.04	90.64012	8397.58
15788.29	90.63987	269.846	7411.97	-8496.59	-21.57	678811.5	464822.5	-4160.97	99.04	90.63983	8496.62

15887.33	90.63975	269.846	7410.86	-8595.62	-21.84	678712.5	464822.2	-4159.86	99.04	90.63983	8595.65
15986.37	90.63963	269.846	7409.75	-8694.65	-22.1	678613.4	464821.9	-4158.75	99.04	90.63983	8694.68
16085.41	90.6395	269.846	7408.65	-8793.69	-22.37	678514.4	464821.7	-4157.65	99.04	90.63955	8793.71
16184.44	90.63937	269.846	7407.54	-8892.72	-22.63	678415.4	464821.4	-4156.54	99.04	90.63927	8892.75
16283.48	90.63922	269.846	7406.44	-8991.75	-22.9	678316.4	464821.1	-4155.44	99.04	90.63927	8991.78
16382.52	90.63907	269.846	7405.33	-9090.78	-23.17	678217.3	464820.9	-4154.33	99.04	90.63927	9090.81
16481.56	90.63891	269.846	7404.23	-9189.81	-23.43	678118.3	464820.6	-4153.23	99.04	90.63899	9189.84
16580.6	90.63874	269.846	7403.12	-9288.84	-23.7	678019.3	464820.3	-4152.12	99.04	90.6387	9288.87
16679.63	90.63857	269.846	7402.02	-9387.88	-23.97	677920.2	464820.1	-4151.02	99.04	90.6387	9387.91
16778.67	90.63838	269.846	7400.92	-9486.91	-24.23	677821.2	464819.8	-4149.92	99.04	90.63842	9486.94
16877.71	90.63819	269.846	7399.81	-9585.94	-24.5	677722.2	464819.5	-4148.81	99.04	90.63842	9585.97
16976.75	90.63799	269.846	7398.71	-9684.97	-24.77	677623.1	464819.3	-4147.71	99.04	90.63814	9685
17075.79	90.63779	269.846	7397.61	-9784	-25.03	677524.1	464819	-4146.61	99.04	90.63786	9784.04
17174.83	90.63757	269.846	7396.51	-9883.04	-25.3	677425.1	464818.7	-4145.51	99.04	90.63757	9883.07
17273.87	90.63735	269.8459	7395.4	-9982.07	-25.56	677326	464818.5	-4144.4	99.04	90.63757	9982.1
17372.9	90.63712	269.8459	7394.3	-10081.1	-25.83	677227	464818.2	-4143.3	99.04	90.63729	10081.13
17471.94	90.63688	269.8459	7393.2	-10180.13	-26.1	677128	464817.9	-4142.2	99.04	90.63701	10180.16
17570.98	90.63664	269.8459	7392.1	-10279.16	-26.36	677028.9	464817.7	-4141.1	99.04	90.63673	10279.2
17670.02	90.63638	269.8459	7391	-10378.19	-26.63	676929.9	464817.4	-4140	99.04	90.63644	10378.23
17650.75	90.64323	269.6951	7496	-10272.84	-52.14	676940.3	463458.7	90.64329	10272.98		

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Strata Production Company
WELL NAME & NO.:	Eeyore 27 28 HEL Fed Com 2H
LOCATION:	Sec 27-23S-30E-NMP
COUNTY:	Eddy County, New Mexico

COA

H_2S	◉ No	○ Yes		
Potash / WIPP	○ None	○ Secretary	◉ R-111-P	☐ WIPP
Cave / Karst	○ Low	◉ Medium	○ High	○ Critical
Wellhead	◉ Conventional	○ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☐ Cont. Squeeze	☐ EchoMeter	☑ DV Tool
Special Req	☐ Break Testing	☐ Water Disposal	☑ COM	☐ Unit
Variance	☐ Flex Hose	☐ Casing Clearance	☐ Pilot Hole	☐ Capitan Reef
Variance	☐ Four-String	☐ Offline Cementing	☐ Fluid-Filled	☐ Open Annulus
☐ **Batch APD / Sundry**				

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 Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately 441 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. ***Set depth adjusted per BLM geologist.***

    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 **24 hours in the Potash Area** 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

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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.**

❖ In R111 Potash Areas if cement does not circulate to surface on the first two salt protection casing strings, the cement on the 3rd casing salt string must come to surface.

3. The minimum required fill of cement behind the **7** inch production casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.

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)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record),

or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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)

☒ Eddy County
Email **or** call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, **BLM_NM_CFO_DrillingNotifications@BLM.GOV**
(575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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
      - Notify the BLM when moving in and removing the Spudder Rig.
      - 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.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 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. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

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, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity 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.

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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-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

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:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. 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.
    c. Manufacturer representative shall install the test plug for the initial BOP test.

d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
e. 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.

a. 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).

b. 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.)

c. 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 part 3170 Subpart 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 water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. 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.

e. The results of the test shall be reported to the appropriate BLM office.

f. 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.

g. 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.

h. 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 part 3170 Subpart 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
Eeyore 27 28 HEL Fed Com #2H
Section 27 T23S, R30E
SHL: 2240' FNL & 230' FEL of Sec 27
BHL: 2240' FNL & 100' FWL of Sec 28
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

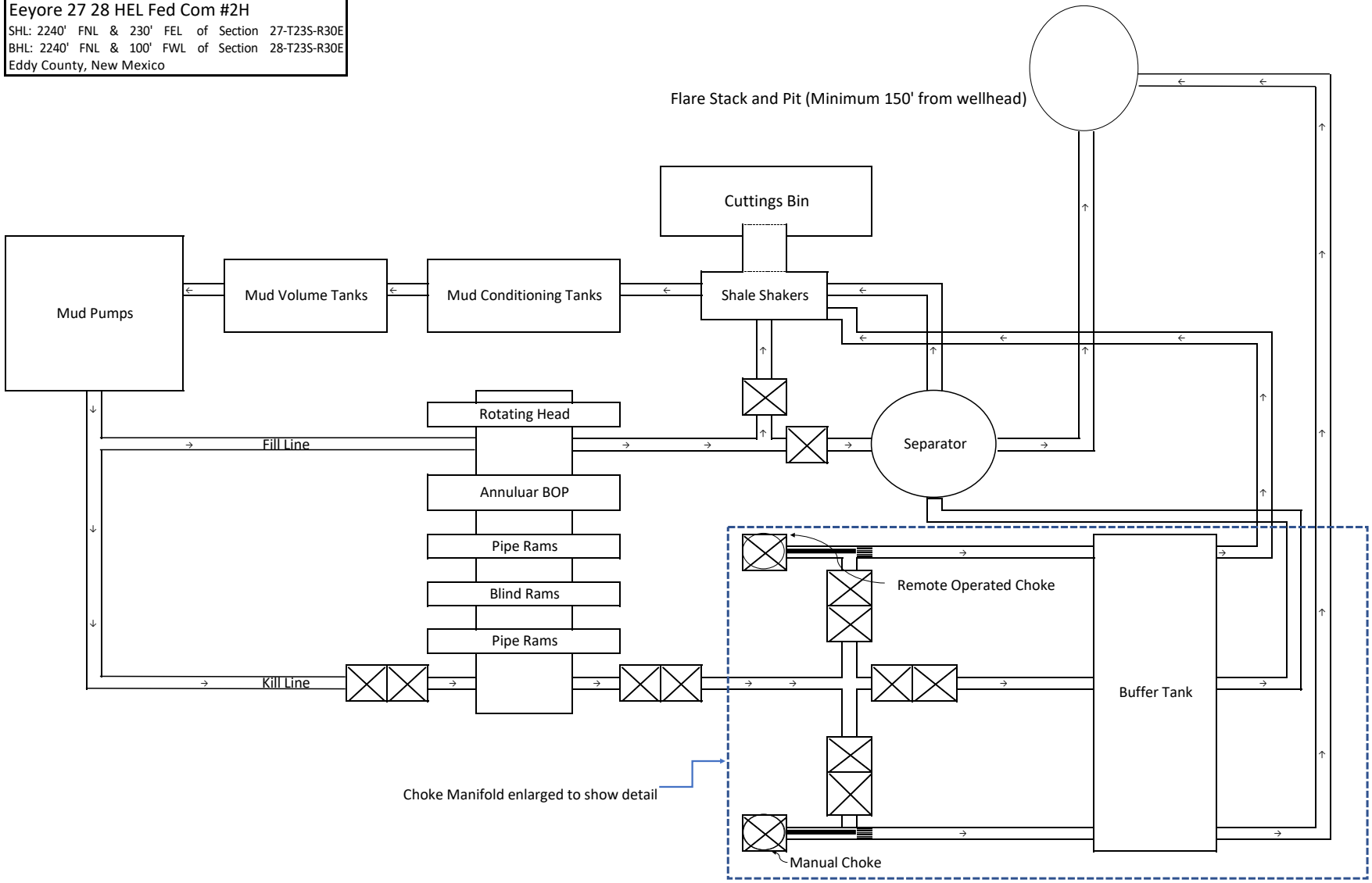
911 Must have Correct County & State & Directions to your location

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**
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
Eeyore 27 28 HEL Fed Com #2H
SHL: 2240' FNL & 230' FEL of Section 27-T23S-R30E
BHL: 2240' FNL & 100' FWL of Section 28-T23S-R30E
Eddy County, New Mexico



STRATA PRODUCTION COMPANY

Eeyore 27 28 HEL Fed Com #2H
SHL: 2240' FNL & 230' FEL of Sec 27
BHL: 2240' FNL & 100' FWL of Sec 28
Sec 27-T23S-R30E
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 283112

CONDITIONS

Operator: STRATA PRODUCTION CO P.O. Box 1030 Roswell, NM 882021030	OGRID: 21712
	Action Number: 283112
	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	11/9/2023
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104	11/9/2023
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	11/9/2023
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing	11/9/2023
ward.rikala	If cement does not circulate on any string, a CBL is required for that string of casing	11/9/2023
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	11/9/2023
ward.rikala	This well can not be produced until the well name is changed per NMOCD requirements.	11/9/2023