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. **30-025-53333**

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

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

At surface

At proposed prod. zone

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

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/23/2024

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	[2] Pool Code	[3] Pool Name
30-025-53333	98133	WC-025 G-05 S233417N; UP BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
336022	ZN 27 22 FED STATE COM	203H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3455'

[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
A	34	23 SOUTH	34 EAST, N.M.P.M.		650'	NORTH	1267'	EAST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	23 SOUTH	34 EAST, N.M.P.M.		25'	NORTH	550'	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640	INFILL		DEFINING WELL IS ZN 27 22 FED STATE COM 202H

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

PROPOSED BOTTOM HOLE LOCATION
X = 772,729' (NAD27 NM E)
Y = 472,949'
LAT. 32.297168° N (NAD27)
LONG. 103.450702° W
X = 813,914' (NAD83/2011 NM E)
Y = 473,008'
LAT. 32.297291° N (NAD83/2011)
LONG. 103.451179° W

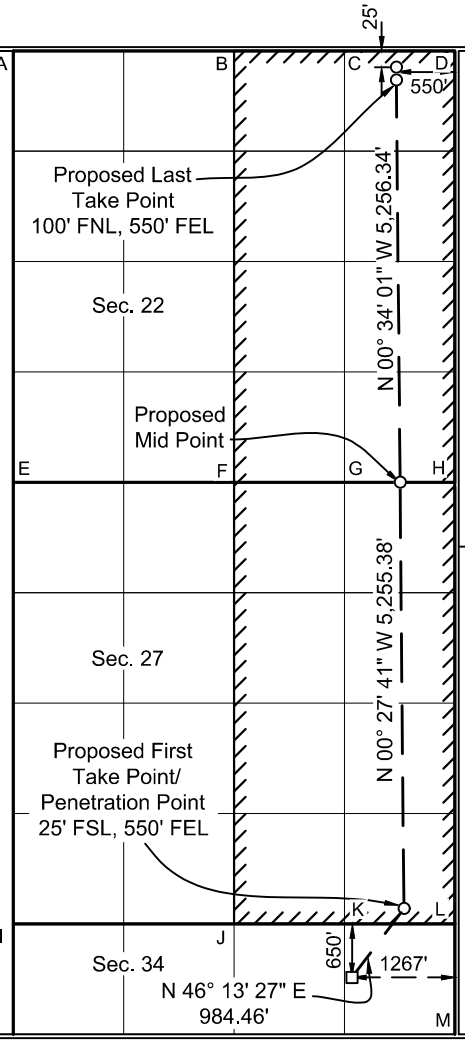
PROPOSED LAST TAKE POINT
X = 772,730' (NAD27 NM E)
Y = 472,874'
LAT. 32.296962° N (NAD27)
LONG. 103.450702° W
X = 813,914' (NAD83/2011 NM E)
Y = 472,933'
LAT. 32.297085° N (NAD83/2011)
LONG. 103.451178° W

PROPOSED MID POINT
X = 772,781' (NAD27 NM E)
Y = 467,693'
LAT. 32.282720° N (NAD27)
LONG. 103.450674° W
X = 813,966' (NAD83/2011 NM E)
Y = 467,752'
LAT. 32.282843° N (NAD83/2011)
LONG. 103.451150° W

PROPOSED FIRST TAKE POINT/ PENETRATION POINT
X = 772,824' (NAD27 NM E)
Y = 462,438'
LAT. 32.268275° N (NAD27)
LONG. 103.450677° W
X = 814,008' (NAD83/2011 NM E)
Y = 462,497'
LAT. 32.268397° N (NAD83/2011)
LONG. 103.451153° W

CORNER COORDINATES TABLE (NAD 27)
A-Y=472938.46, X=768000.13
B-Y=472958.24, X=770638.89
C-Y=472968.37, X=771959.07
D-Y=472978.50, X=773279.25
E-Y=467656.80, X=768046.92
F-Y=467677.61, X=770687.59
G-Y=467687.45, X=772009.54
H-Y=467697.29, X=773331.48
I-Y=462376.02, X=768094.09
J-Y=462396.82, X=770734.05
K-Y=462407.21, X=772054.03
L-Y=462417.61, X=773374.02
M-Y=457138.86,X=773423.12

ZN 27 22 FED STATE COM 203H WELL
X = 772,113' (NAD27 NM E)
Y = 461,757'
LAT. 32.266418° N (NAD27)
LONG. 103.452995° W
X = 813,297' (NAD83/2011 NM E)
Y = 461,816'
LAT. 32.266541° N (NAD83/2011)
LONG. 103.453470° W
ELEV. +3,455' (NAVD88)



[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.

Cindy Herrera-Murillo 11/30/2022
Signature Date

Cindy Herrera-Murillo
Printed Name

eeof@chevron.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.

08/11/2022
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

11/29/2022
Certificate Number

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: Chevron USA Inc **OGRID:** 4323 **Date:** 10 / 11/ 2022

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
ZN 27 22 FED STATE COM #201H	Pending	UL:A-34-23S-34E	650' FNL, 1307' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #202H	Pending	UL: A-34-23S-34E	650' FNL, 1287' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #203H	Pending	UL:A-34-23S-34E	650' FNL 1267' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #401H	Pending	UL:B-34-23S-34E	650' FSL, 1367' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #402H	Pending	UL:B-34-23S-34E	650' FNL, 1327' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #601H	Pending	UL:B-34-23S-34E	650' FNL, 1387' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #602H	Pending	UL:B-34-23S-34E	650' FSL, 1347' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D

IV. Central Delivery Point Name: Section 34 CTB [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
ZN 27 22 FED STATE COM #201H	Pending	2/1/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #202H	Pending	2/19/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #203H	Pending	3/8/2024	N/A	N/A	N/A	N.A

ZN 27 22 FED STATE COM #401H	Pending	3/26/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #402H	Pending	4/13/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #601H	Pending	5/1/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #602H	Pending	5/19/2024	N/A	N/A	N/A	N/A

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	Cindy Herrera-Murillo
Printed Name:	Cindy Herrera-Murillo
Title:	Sr HSE Regulatory Affairs Coordinator
E-mail Address:	eeof@chevron.com
Date:	10/18/2022
Phone:	575-263-0431

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

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

VI. Separation Equipment:
Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:
1. General Requirements for Venting and Flaring of Natural Gas:
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:
- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:
- Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
- Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.
- Chevron does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

6. Measurement or Estimation of Vented and Flared Natural Gas

- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Testing Procedure: The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20240208074551.pdf

BLM_Choke_Hose_Test_Specs_and_Pressure_Test_Continental_20240208074613.pdf

NM_Slim_Hole_Wellhead_6650_psi_UH_S_20240208074638.pdf

BOP Diagram Attachment:

BLM_5M_Annular_10M_Rams_Stackup_and_Test_Plan_20240208074625.pdf

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	1020	0	1020	3455	2435	1020	J-55	54.5	BUTT	2.39	1.79	DRY	16.35	DRY	15.34
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5152	0	5074	3455	-1619	5152	L-80	40	OTHER - BTC/LTC	1.34	2.41	DRY	4.67	DRY	4.51
3	INTERMEDIATE	8.75	7.0	NEW	API	N	0	8784	0	8706	3455	-5251	8784	P-110	29	OTHER - BLUE-SD	1.98	4.02	DRY	3.68	DRY	3.68
4	PRODUCTION	6.125	5.0	NEW	API	N	8584	9234	8506	9106	-5051	-5651	650	P-110	18	OTHER - W513	1.6	3.83	DRY	2.25	DRY	3.54
5	PRODUCTION	6.125	4.5	NEW	API	N	9234	20194	9106	9303	-5651	-5848	10960	P-110	11.6	OTHER - W521	1.6	3.83	DRY	2.25	DRY	3.54

Casing Attachments

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_casing_spec_sheet_20240208075229.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625_40.0lb_L80IC_BTC_20240208075423.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7in_Blue_vs_BlueSD_20240208075619.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.0_18.0ppf_P110_W513_20210927174906_20240208075839.pdf

Casing ID: 5 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

4.5_11.6ppf_P110_TSH_W521_20220411144013_20240208080538.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	0	0	0	0	0	0	N/A	N/A
SURFACE	Tail		0	1020	543	1.63	13.6	886	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	4152	737	2.29	11.5	1689	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		4152	5152	263	1.63	12.6	429	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	7784	373	3.52	10.5	1311	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		7784	8784	124	1.52	12.6	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		8584	20194	899	1.52	12.6	1367	25	CLASS H	Extender, Antifoam, Retarder, Viscosifier

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: A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate. If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

Describe the mud monitoring system utilized: All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH. Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

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	1020	SPUD MUD	8.3	8.9							
1020	5152	INVERT MUD SYSTEM	8.3	10							Saturated brine would be used through salt sections.

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

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
5152	8784	OTHER : WBM/BRINE	8.5	9.5							
8784	20194	OIL-BASED MUD	8.7	10							Due to wellbore instability in the lateral, may exceed the MW weight window needed to maintain overburden stresses

Section 6 - Test, Logging, Coring

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

Production tests are not planned.
Logs run include: Gamma Ray Log, Directional Survey

Coring Operations are not planned.

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

GAMMA RAY LOG,DIRECTIONAL SURVEY,

Coring operation description for the well:

Coring Operations are not planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4838 **Anticipated Surface Pressure:** 2791

Anticipated Bottom Hole Temperature(F): 162

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

H2S_Contingency_Plan_20240208081918.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

DefPlan100ft_ZN2722FedStateCom203H_R0_20240208081954.pdf
Rig_Layout_20240208082035.pdf
Surface_Rig___20240208082044.pdf
CUSA_Spudder_Rig_Data_20240208082149.pdf
ZN_27_22_FED_STATE_COM_203H___9_Point_Plan_22Apr24_20240617130649.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Gas_Management_Plan___ZION_PAD_2_20240208082103.pdf
Operational_Best_Management_Practices_20240208082111.pdf

Other Variance attachment:

AFMSS

U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed:

APD ID:	Well Status:
APD Received Date:	Well Name:
Operator:	Well Number:

APD Package Report Contents

- Form 3160-3

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 3 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
  -- Casing Design Assumptions and Worksheet(s): 5 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 5 file(s)
  -- Other Facets: 2 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- New Road Map: 2 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 1 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Well Site Layout Diagram: 3 file(s)
  -- Recontouring attachment: 1 file(s)
  -- Surface use plan certification document: 4 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report

- Bond Attachments
  -- None

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.

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

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

At surface

At proposed prod. zone

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

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

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

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

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

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

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

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 07/23/2024

INSTRUCTIONS

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

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

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

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

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

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

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

NOTICES

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

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

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

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

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

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Approval Date: 07/23/2024

Additional Operator Remarks

Location of Well

0. SHL: NENE / 650 FNL / 1267 FEL / TWSP: 23S / RANGE: 34E / SECTION: 34 / LAT: 32.266541 / LONG: -103.45347 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 0 FSL / 550 FEL / TWSP: 23S / RANGE: 34E / SECTION: 22 / LAT: 32.282843 / LONG: -103.45115 (TVD: 9279 feet, MD: 9683 feet)

PPP: SWSE / 25 FSL / 550 FEL / TWSP: 23S / RANGE: 34E / SECTION: 27 / LAT: 32.268397 / LONG: -103.451153 (TVD: 9279 feet, MD: 9683 feet)

BHL: NENE / 25 FNL / 550 FEL / TWSP: 23S / RANGE: 34E / SECTION: 22 / LAT: 32.297291 / LONG: -103.451179 (TVD: 9303 feet, MD: 20194 feet)

BLM Point of Contact

Name: Candy Vigil
Title: LIE
Phone: (575) 234-5982
Email: cvigil@blm.gov

Review and Appeal Rights

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

ZN 27 22 Fed State Com #203H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.

- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.

- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Please be aware:

- H2S has been reported within one mile of the proposed project. Measurements up to 175 ppm were recorded from the Antelope Ridge Atoka.

Questions? Contact Chris Armistead, BLM Geologist at 575-234-5715 or carmistead@blm.gov

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	ZN 27 22 FED STATE COM 203H
SURFACE HOLE FOOTAGE:	650'/N & 1267'/E
BOTTOM HOLE FOOTAGE	25'/N & 550'/E
LOCATION:	Section 34, T.23 S., R.34 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	(•) Yes	( ) No	
Potash	(•) None	( ) Secretary	( ) R-111-P
Cave/Karst Potential	(•) Low	( ) Medium	( ) High
Cave/Karst Potential	( ) Critical		
Variance	( ) None	(•) Flex Hose	( ) Other
Wellhead	( ) Conventional	(•) Multibowl	( ) Both
Wellhead Variance	( ) Diverter		
Other	[ ] 4 String	[ ] Capitan Reef	[ ] WIPP
Other	[x] Fluid Filled	[ ] Pilot Hole	[ ] Open Annulus
Cementing	[ ] Contingency Cement Squeeze	[ ] EchoMeter	[ ] Primary Cement Squeeze
Special Requirements	[ ] Water Disposal	[x] COM	[ ] Unit
Special Requirements	[ ] Batch Sundry		
Special Requirements Variance	[x] Break Testing	[ ] Offline Cementing	[ ] Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **1020 feet Per BLM Geologist** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **16 inch or 17.5 inch** in diameter.

Approval Date: 07/23/2024

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.

Operator is approved to use contingency cementing for the Intermediate and Production section. Operator shall notify the BLM before proceeding with contingency operation.

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 or potash.**

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

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

4. The minimum required fill of cement behind the **5 X 4-1/2** inch production liner is:

- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Production liner must be kept fluid filled to meet BLM minimum collapse requirement.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

    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. 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.
    e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

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 Onshore Order 1 and 2.
- 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.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)
BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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 intergrity 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-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 OOGO2.III.A.2.i 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.

JS 5/3/2024

Approval Date: 07/23/2024

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

Operator Certification Data Report
07/24/2024

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: CINDY HERRERA-MURILLO **Signed on:** 02/07/2024

Title: Permitting Specialist

Street Address: 1616 W. Bender Blvd

City: Hobbs **State:** NM **Zip:** 88240

Phone: (575)263-0431

Email address: EEOF@CHEVRON.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

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

Application Data
07/24/2024

APD ID: 10400097015
Submission Date: 02/15/2024
Operator Name: CHEVRON USA INCORPORATED
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400097015
Tie to previous NOS?
Submission Date: 02/15/2024
BLM Office: Carlsbad
User: CINDY HERRERA-MURILLO
Title: Permitting Specialist
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMLC071949
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? N
Permitting Agent? NO
APD Operator: CHEVRON USA INCORPORATED
Operator letter of

Operator Info

Operator Organization Name: CHEVRON USA INCORPORATED
Operator Address: 26251 HIGHWAY 33
Zip: 93224
Operator PO Box:
Operator City: FELLOWS
State: CA
Operator Phone: (661)768-3465
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well API Number:
Field/Pool or Exploratory? Field and Pool
Field Name: WC-025 G-05 S233417N
Pool Name: UPPER BONE SPRING

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** ZN 27 22 FED STATE COM **Number:** 201H,202H,203H, 401H,402H, 601H,602H

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 16 Miles **Distance to nearest well:** 500 FT **Distance to lease line:** 650 FT

Reservoir well spacing assigned acres Measurement: 640 Acres

Well plat: ZN_27_22_FED_STATE_COM_203H_C_102_cert_29Nov2022_20240207150555.pdf

Well work start Date: 11/01/2023 **Duration:** 147 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: 2225223 **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	650	FNL	1267	FEL	23S	34E	34	Aliquot NENE	32.266541	-103.453447	LEA	NEW MEXICO	NEW MEXICO	F	FEE	3455	0	0	N
KOP Leg #1	25	FSL	550	FEL	23S	34E	27	Aliquot SWSE	32.268397	-103.451153	LEA	NEW MEXICO	NEW MEXICO	F	NMLC071949	-5251	8784	8706	N
PPP Leg #1-1	25	FSL	550	FEL	23S	34E	27	Aliquot SWSE	32.268397	-103.451153	LEA	NEW MEXICO	NEW MEXICO	F	NMLC071949	-5824	9683	9279	N

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-2	0	FSL	550	FEL	23S	34E	22	Aliquot SWSE	32.282843	-103.45115	LEA	NEW MEXICO	NEW MEXICO	F	NMNM 132073	-5824	9683	9279	N
EXIT Leg #1	100	FNL	550	FEL	23S	34E	22	Aliquot NENE	32.297085	-103.451178	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-5848	20120	9303	N
BHL Leg #1	25	FNL	550	FEL	23S	34E	22	Aliquot NENE	32.297291	-103.451179	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-5848	20194	9303	Y

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
	98133	WC-025 G-05 S233417N; UP BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
	ZN 27 22 FED STATE COM	203H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3455'

[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
A	34	23 SOUTH	34 EAST, N.M.P.M.		650'	NORTH	1267'	EAST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	23 SOUTH	34 EAST, N.M.P.M.		25'	NORTH	550'	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640	INFILL		DEFINING WELL IS ZN 27 22 FED STATE COM 202H

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]

PROPOSED BOTTOM HOLE LOCATION
X = 772,729' (NAD27 NM E)
Y = 472,949'
LAT. 32.297168° N (NAD27)
LONG. 103.450702° W
X = 813,914' (NAD83/2011 NM E)
Y = 473,008'
LAT. 32.297291° N (NAD83/2011)
LONG. 103.451179° W

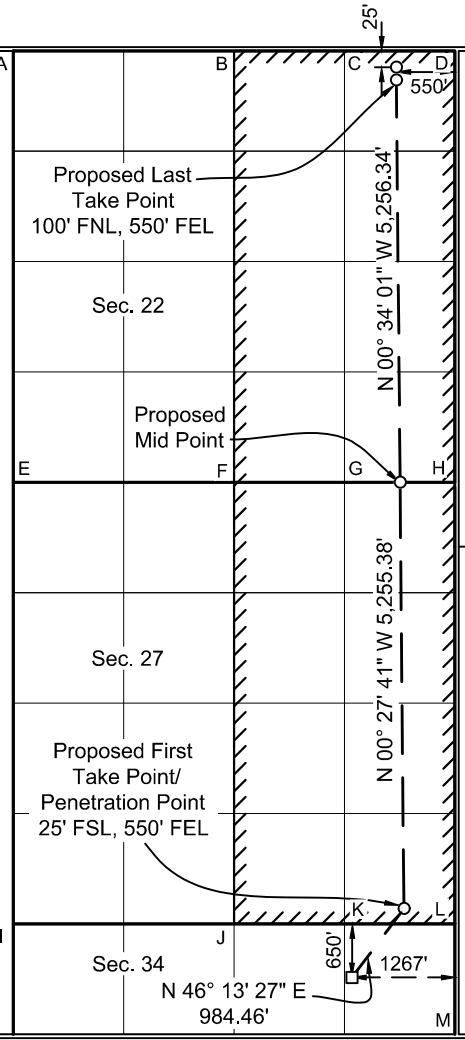
PROPOSED LAST TAKE POINT
X = 772,730' (NAD27 NM E)
Y = 472,874'
LAT. 32.296962° N (NAD27)
LONG. 103.450702° W
X = 813,914' (NAD83/2011 NM E)
Y = 472,933'
LAT. 32.297085° N (NAD83/2011)
LONG. 103.451178° W

PROPOSED MID POINT
X = 772,781' (NAD27 NM E)
Y = 467,693'
LAT. 32.282720° N (NAD27)
LONG. 103.450674° W
X = 813,966' (NAD83/2011 NM E)
Y = 467,752'
LAT. 32.282843° N (NAD83/2011)
LONG. 103.451150° W

PROPOSED FIRST TAKE POINT/ PENETRATION POINT
X = 772,824' (NAD27 NM E)
Y = 462,438'
LAT. 32.268275° N (NAD27)
LONG. 103.450677° W
X = 814,008' (NAD83/2011 NM E)
Y = 462,497'
LAT. 32.268397° N (NAD83/2011)
LONG. 103.451153° W

CORNER COORDINATES TABLE (NAD 27)
A-Y=472938.46, X=768000.13
B-Y=472958.24, X=770638.89
C-Y=472968.37, X=771959.07
D-Y=472978.50, X=773279.25
E-Y=467656.80, X=768046.92
F-Y=467677.61, X=770687.59
G-Y=467687.45, X=772009.54
H-Y=467697.29, X=773331.48
I-Y=462376.02, X=768094.09
J-Y=462396.82, X=770734.05
K-Y=462407.21, X=772054.03
L-Y=462417.61, X=773374.02
M-Y=457138.86,X=773423.12

ZN 27 22 FED STATE COM 203H WELL
X = 772,113' (NAD27 NM E)
Y = 461,757'
LAT. 32.266418° N (NAD27)
LONG. 103.452995° W
X = 813,297' (NAD83/2011 NM E)
Y = 461,816'
LAT. 32.266541° N (NAD83/2011)
LONG. 103.453470° W
ELEV. +3,455' (NAVD88)



[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.

Cindy Herrera-Murillo 11/30/2022
Signature Date

Cindy Herrera-Murillo
Printed Name

eeof@chevron.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.

08/11/2022
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

11/29/2022
Certificate Number

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

Drilling Plan Data Report
07/24/2024

APD ID: 10400097015
Submission Date: 02/15/2024
Operator Name: CHEVRON USA INCORPORATED
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13828641	RUSTLER	3455	825	826	SANDSTONE	NONE	N
13828642	SALADO	2009	1446	1459	ANHYDRITE, SALT	NONE	N
13828643	CASTILE	785	2670	2726	ANHYDRITE, SALT	NONE	N
13828644	LAMAR	-1639	5094	5172	LIMESTONE, SANDSTONE	NONE	N
13828645	BELL CANYON	-1720	5175	5253	LIMESTONE, SANDSTONE	NONE	N
13828646	CHERRY CANYON	-2544	5999	6077	SANDSTONE, SILTSTONE	NONE	N
13828647	BRUSHY CANYON	-3905	7360	7438	LIMESTONE, SANDSTONE	NONE	N
13828648	BONE SPRING LIME	-5131	8586	8664	SHALE, SILTSTONE	NONE	N
13828640	AVALON SAND	-5246	8701	9147	SHALE	NATURAL GAS	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9303

Equipment: Chevron will have a minimum of a 5,000 psi rig stack (see proposed schematic) for drill out below surface casing.
Requesting Variance? YES

Variance request: Chevron respectfully request to vary from the Onshore Order 2 where it states: “(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken.” We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized. Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Testing Procedure: The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20240208074551.pdf

BLM_Choke_Hose_Test_Specs_and_Pressure_Test_Continental_20240208074613.pdf

NM_Slim_Hole_Wellhead_6650_psi_UH_S_20240208074638.pdf

BOP Diagram Attachment:

BLM_5M_Annular_10M_Rams_Stackup_and_Test_Plan_20240208074625.pdf

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	1020	0	1020	3455	2435	1020	J-55	54.5	BUTT	2.39	1.79	DRY	16.35	DRY	15.34
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5152	0	5074	3455	-1619	5152	L-80	40	OTHER - BTC/LTC	1.34	2.41	DRY	4.67	DRY	4.51
3	INTERMEDIATE	8.75	7.0	NEW	API	N	0	8784	0	8706	3455	-5251	8784	P-110	29	OTHER - BLUE-SD	1.98	4.02	DRY	3.68	DRY	3.68
4	PRODUCTION	6.125	5.0	NEW	API	N	8584	9234	8506	9106	-5051	-5651	650	P-110	18	OTHER - W513	1.6	3.83	DRY	2.25	DRY	3.54
5	PRODUCTION	6.125	4.5	NEW	API	N	9234	20194	9106	9303	-5651	-5848	10960	P-110	11.6	OTHER - W521	1.6	3.83	DRY	2.25	DRY	3.54

Casing Attachments

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375_casing_spec_sheet_20240208075229.pdf

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625_40.0lb_L80IC_BTC_20240208075423.pdf

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7in_Blue_vs_BlueSD_20240208075619.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5.0_18.0ppf_P110_W513_20210927174906_20240208075839.pdf

Casing ID: 5 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

4.5_11.6ppf_P110_TSH_W521_20220411144013_20240208080538.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	0	0	0	0	0	0	N/A	N/A
SURFACE	Tail		0	1020	543	1.63	13.6	886	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	4152	737	2.29	11.5	1689	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		4152	5152	263	1.63	12.6	429	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	7784	373	3.52	10.5	1311	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		7784	8784	124	1.52	12.6	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		8584	20194	899	1.52	12.6	1367	25	CLASS H	Extender, Antifoam, Retarder, Viscosifier

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: A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate. If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

Describe the mud monitoring system utilized: All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH. Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

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	1020	SPUD MUD	8.3	8.9							
1020	5152	INVERT MUD SYSTEM	8.3	10							Saturated brine would be used through salt sections.

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

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
5152	8784	OTHER : WBM/BRINE	8.5	9.5							
8784	20194	OIL-BASED MUD	8.7	10							Due to wellbore instability in the lateral, may exceed the MW weight window needed to maintain overburden stresses

Section 6 - Test, Logging, Coring

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

Production tests are not planned.
Logs run include: Gamma Ray Log, Directional Survey

Coring Operations are not planned.

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

GAMMA RAY LOG,DIRECTIONAL SURVEY,

Coring operation description for the well:

Coring Operations are not planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4838 **Anticipated Surface Pressure:** 2791

Anticipated Bottom Hole Temperature(F): 162

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

H2S_Contingency_Plan_20240208081918.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

DefPlan100ft_ZN2722FedStateCom203H_R0_20240208081954.pdf
Rig_Layout_20240208082035.pdf
Surface_Rig___20240208082044.pdf
CUSA_Spudder_Rig_Data_20240208082149.pdf
ZN_27_22_FED_STATE_COM_203H___9_Point_Plan_22Apr24_20240617130649.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Gas_Management_Plan___ZION_PAD_2_20240208082103.pdf
Operational_Best_Management_Practices_20240208082111.pdf

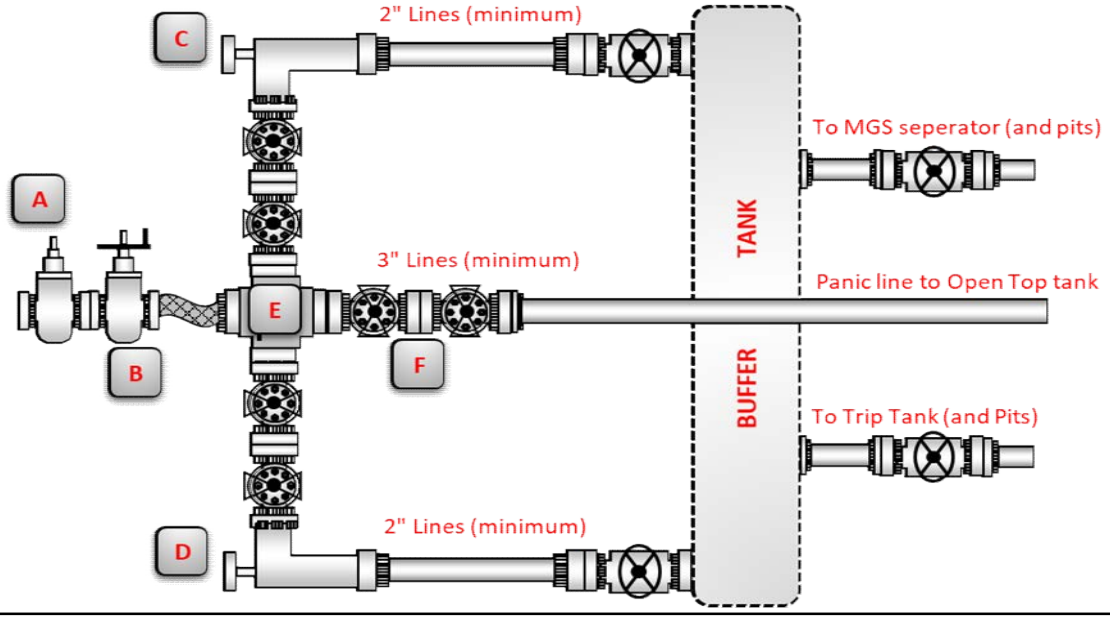
Other Variance attachment:

CHOKE MANIFOLD SCHEMATIC

Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

Choke Manifold

Part	Size	Pressure Rating	Description
A	3"	10,000	HCR (remotely operated)
B	3"	10,000	HCR (manually operated)
C	2"	10,000	Remotely operated choke
D	2"	10,000	Adjustable choke
E	3"	10,000	Crown valve with pressure gage
F	3"	10,000	Panic line valves



Choke Manifold Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
Adjustable chokes may be remotely operated but will have backup hand pump for hydraulic actuation in case of loss of rig air or power.
Flare and panic lines will terminate a minimum of 150' from the wellhead. These lines will terminate at a location as per approved APD.
All valves (except chokes) on choke line, kill line and choke manifold will be full opening and will allow straight through flow. This excludes any valves between the mud gas separator and shale shakers.
All manual valves will have hand wheels installed.
Flare systems will have an effective method for ignition.
All connections will be flanged, welded or clamped
If buffer tank is used, a valve will be used on all lines at any entry or exit point to or from the buffer tank.

Hose Data Sheet

CRI Order No.	541802
Customer	ContiTech Oil & Marine Corp.
Customer Order No	4500606483 COM757207
Item No.	1
Hose Type	Flexible Hose
Standard	**API SPEC 16 C** → FSL2
Inside dia in inches	3
Length	45 ft
Type of coupling one end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE C/W BX155ST/ST INLAID R.GR. SOUR
Type of coupling other end	FLANGE 4.1/16" 10KPSI API SPEC 17D SV SWIVEL FLANGE C/W BX155 ST/ST INLAID R.GR. SOUR
H2S service NACE MR0175	Yes
Working Pressure	10 000 psi
Design Pressure	10 000 psi
Test Pressure	15 000 psi
Safety Factor	2,25
Marking	USUAL PHOENIX
Cover	NOT FIRE RESISTANT
Outside protection	St.steel outer wrap
Internal stripwound tube	No
Lining	OIL + GAS RESISTANT SOUR
Safety clamp	Yes
Lifting collar	Yes
Element C	Yes
Safety chain	No
Safety wire rope	Yes
Max.design temperature [°C]	100
Min.design temperature [°C]	-20
Min. Bend Radius operating [m]	0,90
Min. Bend Radius storage [m]	0,90
Electrical continuity	The Hose is electrically continuous
Type of packing	WOODEN CRATE ISPM-15

CONTITECH RUBBER Industrial Kft.	No: QC-DB- 617 / 2015
	Page: 7 / 71

ATTACHMENT OF QUALITY CONTROL INSPECTION AND TEST CERTIFICATE
No: 1609, 1610

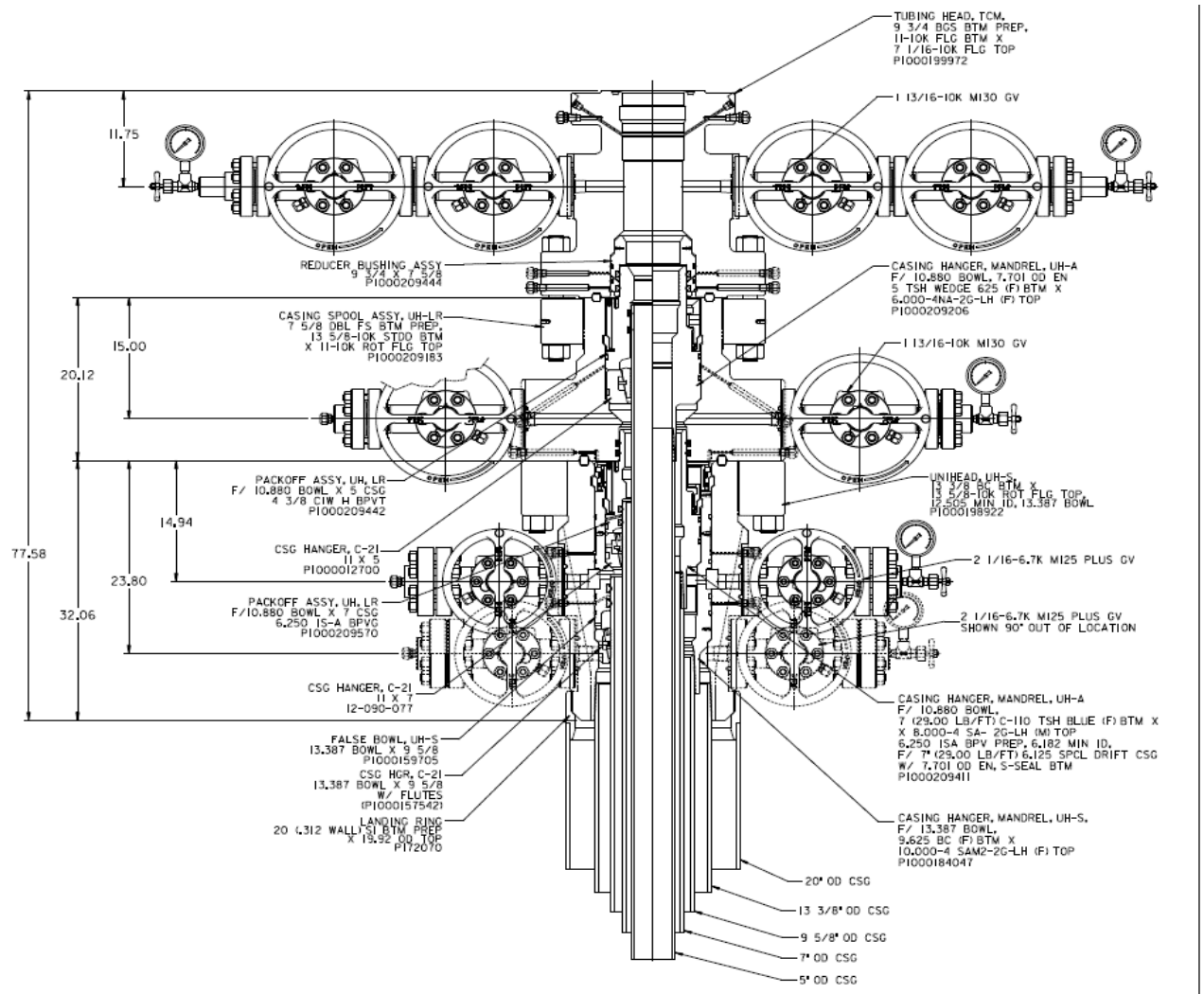
ContiTech Rubber Industrial Kft. Quality Control Dept. (1)

	Cursor A	Cursor B	Difference
Data No.	324	1374	720
Absolute Time	2015/09/03 13:37:00.000	2015/09/03 14:07:00.000	01:00:00.000
Trig Channel	Value A	Value B	Value B-A
Pressure[bar]	1567.69	1520.38	-8.31
Ambient Temperature[°C]	27.60	28.27	0.67

File Name : 008177_7130_7130_4_GEV___008187_7130_7130_4_GEV
File Message :
Device Type : 7130_7130_4
Serial No. : GX10
Data Count : SSP03039
Print Group : 1304
Print Range : Press-Temp
Comment : 2015/09/03 12:50:50.000 - 2015/09/03 14:38:25.000

Sampling Int. : 5.000 sec
Start Time : 2015/09/03 12:50:50.000
Stop Time : 2015/09/03 14:38:25.000

1/1



PRODUCTION MODE

6650 PSI UH-S

CHEVRON

20 X 13 3/8 X 9 5/8 X 7 X 5

NEW MEXICO SLIM HOLE

QUOTE# 20395747
CASE# 00026966
FIII378
DB01016339d
REF: DM100312054
DM100276064

BLOWOUT PREVENTER SCHEMATIC

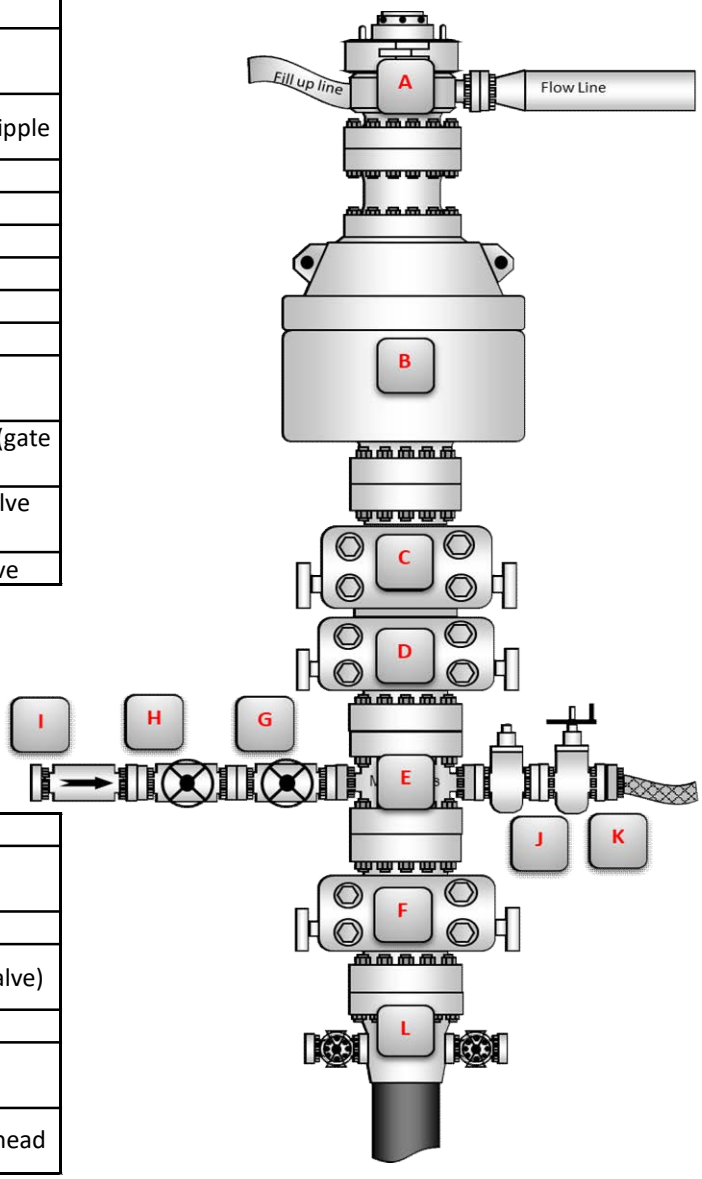
Operation:	Intermediate & Production Drilling Operations
Minimum System operation pressure	5,000 psi

BOP Stack

Part	Size	Pressure Rating	Description
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	5,000	Annular
C	13-5/8"	10,000	Blind Ram
D	13-5/8"	10,000	Pipe Ram
E	13-5/8"	10,000	Mud Cross
F	13-5/8"	10,000	Pipe Ram

Kill Line

Part	Size	Pressure Rating	Description
G	2"	10,000	Inside Kill Line Valve (gate valve)
H	2"	10,000	Outside Kill Line Valve (gate valve)
I	2"	10,000	Kill Line Check valve



Choke line

Part	Size	Pressure Rating	Description
J	3"	10,000	HCR (gate valve)
K	3"	10,000	Manual HCR (gate valve)

Wellhead

Part	Size	Pressure Rating	Description
L	13-5/8"	5,000	FMC Multibowl wellhead

BOP Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
All valves on the kill line and choke line will be full opening and will allow straight flow through.
Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.
A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.
Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

BLOWOUT PREVENTER SCHEMATIC	
Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

Minimum Requirements

Closing Unit and Accumulator Checklist

The following item must be performed, verified, and checked off at least once per well prior to low/high pressure testing of BOP equipment. This must be repeated after 6 months on the same well.

☐ **Precharge pressure for each accumulator bottle must fall within the range below. Bottles may be further charged with nitrogen gas only. Tested precharge pressures must be recorded for each individual bottle and kept on location through the end of the well. Test will be conducted prior to connecting unit to BOP stack.**

Check one that applies	Accumulator working pressure rating	Minimum acceptable operating pressure	Desired precharge pressure	Maximum acceptable precharge pressure	Minimum acceptable precharge pressure
☐	1500 psi	1500 psi	750 psi	800 psi	700 psi
☐	2000 psi	2000 psi	1000 psi	1100 psi	900 psi
☐	3000 psi	3000 psi	1000 psi	1100 psi	900 psi

☐ **Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if used), close all rams, close the annular preventer, and retain a minimum of 200 psi above the maximum acceptable precharge pressure (see table above) on the closing manifold without the use of the closing pumps. This test will be performed with test pressure recorded and kept on location through the end of the well**

☐ **Accumulator fluid reservoir will be double the usable fluid volume of the accumulator system capacity. Fluid level will be maintained at manufacturer's recommendations. Usable fluid volume will be recorded. Reservior capacity will be recorded. Reservoir fluid level will be recorded along with manufacturer's recommendation. All will be kept on location through the end of the well.**

☐ **Closing unit system will have two independent power sources (not counting accumulator bottles) to close the preventers.**

☐ **Power for the closing unit pumps will be available to the unit at all times so that the pumps will automatically start when the closing valve manifold pressure decreases to the pre-set level. It is recommended to check that air line to accumulator pump is "ON" during each tour change.**

☐ **With accumulator bottles isolated, closing unit will be capable of opening the hydraulically-operated choke line valve (if used) plus close the annular preventer on the smallest size drill pipe within 2 minutes and obtain a minimum of 200 psi above maximum acceptable precharge pressure (see table above) on the closing manifold. Test pressure and closing time will be recorded and kept on location through the end of the well.**

☐ **Master controls for the BOPE system will be located at the accumulator and will be capable of opening and closing all preventer and the choke line valve (if used)**

☐ **Remote controls for the BOPE system will be readily accessible (clear path) to the driller and located on the rig floor (not in the dog house). Remote controls will be capable of closing all preventers.**

☐ **Record accumulator tests in drilling reports and IADC sheet**

BLOWOUT PREVENTER SCHEMATIC	
Operation:	Intermediate & Production
Minimum System operation pressure	5,000 psi

BOPE 5K Test Checklist

The following items must be checked off prior to beginning test:

- ☐ BLM will be given at least 4 hour notice prior to beginning BOPE testing.
- ☐ Valve on casing head below test plug will be open.
- ☐ Test will be performed using clear water.

The following items must be performed during the BOPE testing:

- ☐ BOPE will be pressure tested when initially installed, whenever any seal subject to test pressure is broken, following related repairs, and at a minimum of 30 day intervals. **Test pressure and times will be recorded by a 3rd party on a test charge and kept on location through the end of the well.**
- ☐ Test plug will be used.
- ☐ Ram type preventer and all related well control equipment will be tested to 250 psi (low) and 5,000 psi (high).
- ☐ Annular type preventer will be tested to 250 psi (low) and 3,500 psi (high).
- ☐ Valves will be tested fromt eh working pressure side with all downstream valves open. The check valve will be held open to test the kill line valve(s).
- ☐ Each pressure test will be held for 10 minutes with no allowable leak off.
- ☐ Master controls and remote controls to the closing unit (accumulator) must be function tested as part of the BOPE test.
- ☐ Record BOP tests and pressures in drilling reports and IADC sheet.

Tenaris

Wedge 513®

Coupling	Pipe Body
Grade: **P110**	Grade: **P110**
Body: **White**	1st Band: **White**
1st Band: **-**	2nd Band: **-**
2nd Band: **-**	3rd Band: **-**
3rd Band: **-**	4th Band: **-**
	5th Band: **-**
	6th Band: **-**

Outside Diameter	5.000 in.	**Wall Thickness**	0.362 in.	**Grade**	P110
Min. Wall Thickness	87.50 %	**Drift**	API Standard	**Type**	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	5.000 in.	**Wall Thickness**	0.362 in.	**Body Yield Strength**	580 x1000 lb
Nominal Weight	18 lb/ft	**Plain End Weight**	17.95 lb/ft	**Min. Internal Yield Pressure**	13,940 psi
Drift	4.151 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Set Drift	4.151 in.			**Collapse Pressure**	13,470 psi
Nominal ID	4.276 in.				

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5 in.	**Tension Efficiency**	63.70 %	**Minimum**	6500 ft-lb
Connection ID	4.194 in.	**Joint Yield Strength**	369 x1000 lb	**Optimum**	7800 ft-lb
Make-up Loss	4.320 in.	**Internal Pressure Capacity**	13,940 psi	**Maximum**	11,400 ft-lb
Threads per inch	3.36	**Compression Efficiency**	73.70 %		
Connection OD Option	Regular	**Compression Strength**	427 x1000 lb	**Operation Limit Torques**	
		Max. Allowable Bending	63 °/100 ft	**Operating Torque**	19,300 ft-lb
				Yield Torque	29,000 ft-lb

Notes

For the lastest performance data, always visit our website: www.tenaris.com

Print Datasheet Comparison

Printed on: 04/23/2019

2 selected connections

Blue®

Min. Wall Thickness:87.5
Drift: API Standard
Type: Casing
Connection OD Option: REGULAR

Blue®-SD

Min. Wall Thickness:87.5
Drift: Special Drift
Type: Casing
Connection OD Option: REGULAR

Pipe Features

Outside Diameter	**7 in.**	**7 in.**
Wall Thickness (Weight)	**0.408 in.(lbs/ft)**	**0.408 in.(lbs/ft)**
Grade Tenaris Grades	**P110**	**P110**

PIPE BODY DATA

GEOMETRY

Nominal OD	**7** in.	**7** in.
OD Tolerance	**API**	**API**
Nominal Weight	**29.00** lbs/ft	**29.00** lbs/ft
Drift	**6.059** in.	**6.125** in.

Nominal ID	**6.184** in.	**6.184** in.
Wall Thickness	**0.408** in.	**0.408** in.
Plain End Weight	**28.75** lbs/ft	**28.75** lbs/ft

PERFORMANCE

Collapse	**8530** psi	**8530** psi
Body Yield Strength	**929** x1000 lbs	**929** x1000 lbs
Internal Yield	**11220** psi	**11220** psi
SMYS	**110000** psi	**110000** psi

CONNECTION DATA

GEOMETRY

Connection OD	**7.677** in.	**7.68** in.
Coupling Length	**10.551** in.	**10.55** in.
Connection ID	**6.118** in.	**6.19** in.
Make-up Loss	**4.480** in.	**4.480** in.
Threads per in	**4**	**4**
Connection OD Option	**REGULAR**	**REGULAR**

PERFORMANCE

Tension Efficiency	**100.0** %	**100.0** %
Joint Yield Strength	**929** x1000 lbs	**929** x1000 lbs
Internal Pressure Capacity	**11220** psi	**11220** psi
Compression Efficiency	**100** %	**89.3** %
Compression Strength	**929** x1000 lbs	**829.597** x1000 lbs
Max. Allowable Bending	**72** °/100 ft	**64.3** °/100 ft

External Pressure Capacity	**8530** psi	**8530** psi
Coupling Face Load	**433000** lbs	**433000** lbs

MAKE-UP TORQUES

Minimum	**10480** ft-lbs	**9060** ft-lbs
Optimum	**11640** ft-lbs	**10070** ft-lbs
Maximum	**12800** ft-lbs	**11080** ft-lbs

SHOULDER TORQUES

Minimum	**1750** ft-lbs	**1510** ft-lbs
Maximum	**9890** ft-lbs	**8560** ft-lbs

OPERATION LIMIT TORQUES

Operating Torque	**29100** ft-lbs	**25220** ft-lbs
Yield Torque	**36380** ft-lbs	**31520** ft-lbs

Notes

For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Wedge 521®

Printed on: 05/09/2019

Outside Diameter	**4.500** in.	**Min. Wall Thickness**	**87.5%**	**(*) Grade P110**	
Wall Thickness	**0.250** in.	**Connection OD Option**	**REGULAR**	**COUPLING**	**PIPE BODY**
Grade	**P110***	**Drift**	**API Standard**	Body: **White** 1st Band: **-** 2nd Band: **-** 3rd Band: **-**	1st Band: **White** 2nd Band: **-** 3rd Band: **-** 4th Band: **-**
		Type	**Casing**		

PIPE BODY DATA

GEOMETRY

Nominal OD	**4.500** in.	Nominal Weight	**11.60** lbs/ft	Drift	**3.875** in.
Nominal ID	**4.000** in.	Wall Thickness	**0.250** in.	Plain End Weight	**11.36** lbs/ft
OD Tolerance	**API**				

PERFORMANCE

Body Yield Strength	**367** x1000 lbs	Internal Yield	**10690** psi	SMYS	**110000** psi
Collapse	**7580** psi				

CONNECTION DATA

GEOMETRY

Connection OD	**4.695** in.	Connection ID	**3.960** in.	Make-up Loss	**3.620** in.
Threads per in	**3.36**	Connection OD Option	**REGULAR**		

PERFORMANCE

Tension Efficiency	**64.2** %	Joint Yield Strength	**235.614** x1000 lbs	Internal Pressure Capacity	**10690.000** psi
Compression Efficiency	**84.8** %	Compression Strength	**311.216** x1000 lbs	Max. Allowable Bending	**71.9** °/100 ft
External Pressure Capacity	**7580.000** psi				

MAKE-UP TORQUES

Minimum	**3600** ft-lbs	Optimum	**4300** ft-lbs	Maximum	**6300** ft-lbs

OPERATION LIMIT TORQUES

Operating Torque	**14000** ft-lbs	Yield Torque	**21000** ft-lbs		

Notes

This connection is fully interchangeable with:

Wedge 521® - 4.5 in. - 10.5 / 11 / 12.6 / 13.5 lbs/ft

Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris

Data Sheet

TH DS-14.0494 10 Nov 15
Rev 02

9 5/8" 40.00 ppf L80-IC - BTC

(USC Units)

PIPE BODY DATA					
GEOMETRY					
Nominal OD	9.625 in.	**Nominal Weight**	40.00 lbs/ft	**Standard Drift Diameter**	8.679 in.
Nominal ID	8.835 in.	**Wall Thickness**	0.395 in.	**Special Drift Diameter**	8.750 in.
Plain End Weight	38.97 lbs/ft				
PERFORMANCE					
Body Yield Strength	916 x 1000 lbs	**Internal Yield**	5750 psi	**Collapse**	3530 psi

CONNECTION DATA					
GEOMETRY					
Coupling Regular OD	10.625 in.	**Threads per inch**	5	**Hand-Tight Standoff Thread Turns**	1.000
PERFORMANCE (1)					
Joint Strength	947 x 1000 lbs.	**Internal Pressure Resistance**	5750 psi		

(1) Performance calculated according to API Standards 5CT and 5B and API Technical Report 5C3.
Joint Strength as per API TR 5C3 1st Edition/ISO 10400:2007 - Section 9
Internal Pressure Resistance as per API TR 5C3 1st Edition/ISO 10400:2007 - Section 10

Wed Jun 17 2015

Casing and Tubing Performance Dat

PIPE BODY DATA

GEOMETRY

Outside Diameter	13.375 in	Wall Thickness	0.380 in	API Drift Diameter	12.459 in
Nominal Weight	54.50 lbs/ft	Nominal ID	12.615 in	Alternative Drift Diameter	n.a.
Plain End Weight	52.79 lbs/ft	Nominal cross section	15.513 in		

PERFORMANCE

Steel Grade	J55	Minimum Yield	55,000 psi	Minimum Ultimate	75,000 psi
Tension Yield	853,000 in	Internal Pressure Yield	2,730 psi	Collapse Pressure	1,130 psi
Available Seamless	Yes	Available Welded	Yes		

CONNECTION DATA

TYPE: STC

GEOMETRY

Coupling Reg OD	14.375 in	Threads per in	8	Thread turns make up	3.5

PERFORMANCE

Steel Grade	J55	Coupling Min Yield	55,000 psi	Coupling Min Ultimate	75,000 psi
Joint Strength	514,000 lbs			Internal Pressure Resistance	2,730 psi

H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

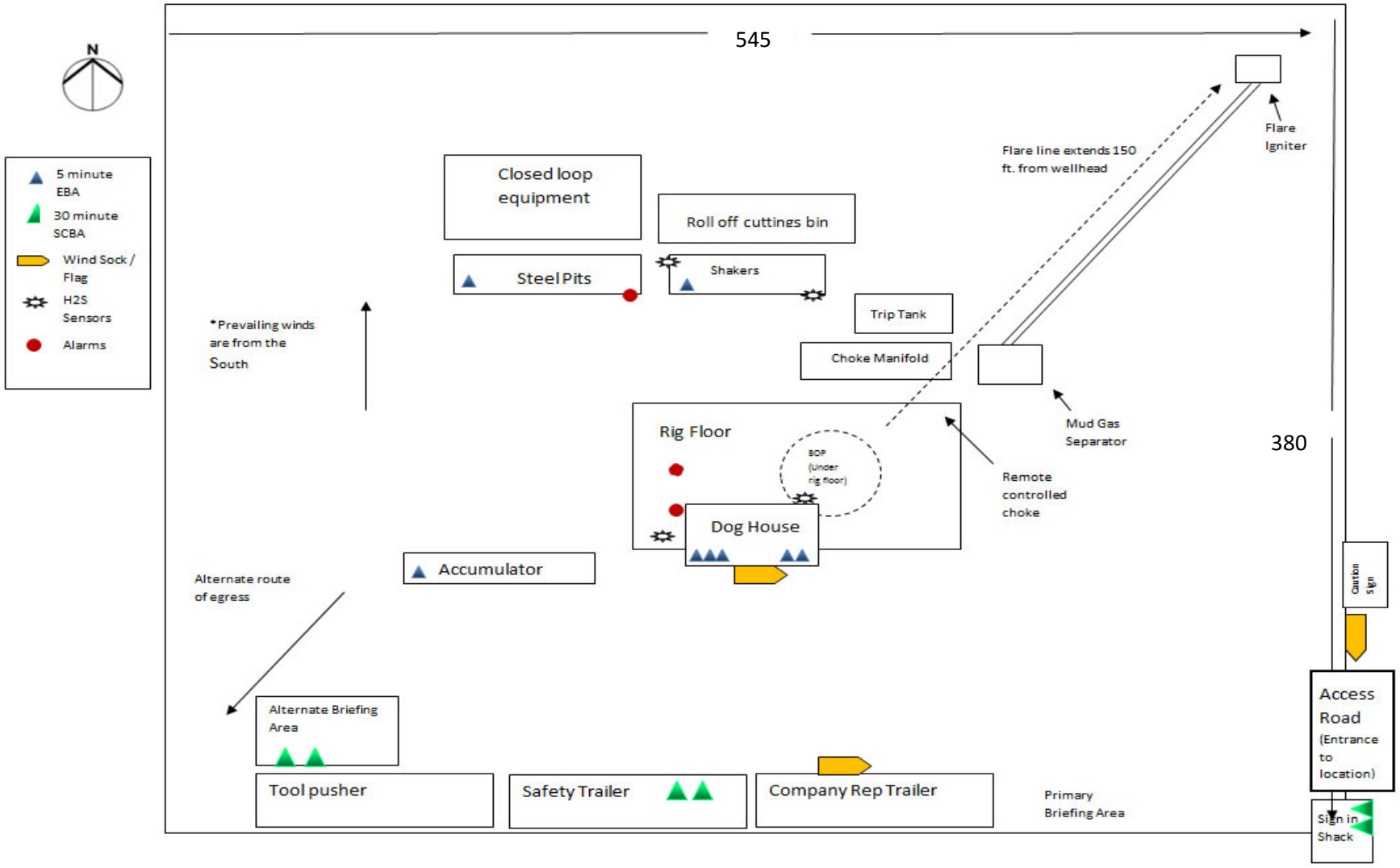
In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Eddy County Sheriff's Department	575-887-7551
Carlsbad Fire Department	575-885-3125
Carlsbad Medical Center	575-887-4100
Eddy County Emergency Management	575-885-3581
Poison Control Center	800-222-1222

H_2S Preparedness and Contingency Plan Summary



Schlumberger

ZN 27 22 Fed State Com 203H R0 mdv 24Oct22 Proposal Geodetic Report

(Def Plan)

Chevron

Report Date:	October 27, 2022 - 12:46 PM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	359.480 ° (Grid North)
Field:	NM, Lea County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron Zion Pad 2 / 203H	**TVD Reference Datum:**	RKB=28ft
Well:	ZN Acadia 27 22 Fed State Com 203H	**TVD Reference Elevation:**	3483.000 ft above MSL
Borehole:	ZN Acadia 27 22 Fed State Com 203H	**Seabed / Ground Elevation:**	3455.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.308 °
Survey Name:	ZN Acadia 27 22 Fed State Com 203H R0 mdv 24Oct22	**Total Gravity Field Strength:**	998.4620mgn (9.80665 Based)
Survey Date:	October 24, 2022	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	119.963 ° / 11806.985 ft / 6.488 / 1.269	**Total Magnetic Field Strength:**	47552.470 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.821 °
Location Lat / Long:	N 32° 15' 59.10762", W 103° 27' 10.77997"	**Declination Date:**	October 24, 2022
Location Grid N/E Y/X:	N 461757.000 ftUS, E 772113.000 ftUS	**Magnetic Declination Model:**	HDGM 2022
CRS Grid Convergence Angle:	0.4700 °	**North Reference:**	Grid North
Grid Scale Factor:	0.9999939	**Grid Convergence Used:**	0.4700 °
Version / Patch:	2.10.833.1	**Total Corr Mag North->Grid North:**	5.8382 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	461757.00	772113.00	N 32 15 59.11	W 103 27 10.78
	100.00	0.00	81.29	100.00	0.00	0.00	0.00	0.00	461757.00	772113.00	N 32 15 59.11	W 103 27 10.78
	200.00	0.00	81.29	200.00	0.00	0.00	0.00	0.00	461757.00	772113.00	N 32 15 59.11	W 103 27 10.78
	300.00	0.00	81.29	300.00	0.00	0.00	0.00	0.00	461757.00	772113.00	N 32 15 59.11	W 103 27 10.78
Build 1.5°/100ft	400.00	0.00	81.29	400.00	0.00	0.00	0.00	0.00	461757.00	772113.00	N 32 15 59.11	W 103 27 10.78
	500.00	1.50	81.29	499.99	0.19	0.20	1.29	1.50	461757.20	772114.29	N 32 15 59.11	W 103 27 10.76
	600.00	3.00	81.29	599.91	0.75	0.79	5.17	1.50	461757.79	772118.17	N 32 15 59.12	W 103 27 10.72
	700.00	4.50	81.29	699.69	1.68	1.78	11.64	1.50	461758.78	772124.64	N 32 15 59.12	W 103 27 10.64
	800.00	6.00	81.29	799.27	2.98	3.17	20.68	1.50	461760.17	772133.68	N 32 15 59.14	W 103 27 10.54
Rustler	*825.98*	*6.39*	*81.29*	*825.10*	*3.38*	*3.59*	*23.46*	*1.50*	*461760.59*	*772136.46*	*N 32 15 59.14*	*W 103 27 10.51*
Rustler Forty-Niner	*852.10*	*6.78*	*81.29*	*851.05*	*3.81*	*4.05*	*26.42*	*1.50*	*461761.05*	*772139.42*	*N 32 15 59.15*	*W 103 27 10.47*
	900.00	7.50	81.29	898.57	4.65	4.95	32.30	1.50	461761.95	772145.30	N 32 15 59.15	W 103 27 10.40
	1000.00	9.00	81.29	997.54	6.70	7.12	46.49	1.50	461764.12	772159.48	N 32 15 59.17	W 103 27 10.24
Rustler Los Modanos	*1068.13*	*10.02*	*81.29*	*1064.73*	*8.30*	*8.82*	*57.61*	*1.50*	*461765.82*	*772170.61*	*N 32 15 59.19*	*W 103 27 10.11*
	1100.00	10.50	81.29	1096.09	9.11	9.68	63.22	1.50	461766.68	772176.22	N 32 15 59.20	W 103 27 10.04
	1200.00	12.00	81.29	1194.16	11.88	12.63	82.51	1.50	461769.63	772195.51	N 32 15 59.23	W 103 27 9.82
	1300.00	13.50	81.29	1291.70	15.03	15.97	104.32	1.50	461772.97	772217.32	N 32 15 59.26	W 103 27 9.56
Hold	1399.96	15.00	81.29	1388.58	18.53	19.70	128.64	1.50	461776.70	772241.64	N 32 15 59.29	W 103 27 9.28
	1400.00	15.00	81.29	1388.62	18.53	19.70	128.65	0.00	461776.70	772241.65	N 32 15 59.29	W 103 27 9.28
Salado (SLDO)	*1459.04*	*15.00*	*81.29*	*1445.64*	*20.71*	*22.01*	*143.76*	*0.00*	*461779.01*	*772256.76*	*N 32 15 59.31*	*W 103 27 9.10*
	1500.00	15.00	81.29	1485.21	22.22	23.62	154.24	0.00	461780.62	772267.24	N 32 15 59.33	W 103 27 8.98
	1600.00	15.00	81.29	1581.80	25.90	27.53	179.82	0.00	461784.53	772292.82	N 32 15 59.37	W 103 27 8.68
	1700.00	15.00	81.29	1678.39	29.59	31.45	205.40	0.00	461788.45	772318.40	N 32 15 59.40	W 103 27 8.38
	1800.00	15.00	81.29	1774.99	33.27	35.37	230.99	0.00	461792.37	772343.98	N 32 15 59.44	W 103 27 8.09
	1900.00	15.00	81.29	1871.58	36.96	39.29	256.57	0.00	461796.29	772369.57	N 32 15 59.48	W 103 27 7.79
	2000.00	15.00	81.29	1968.17	40.64	43.20	282.15	0.00	461800.20	772395.15	N 32 15 59.51	W 103 27 7.49
	2100.00	15.00	81.29	2064.77	44.33	47.12	307.73	0.00	461804.12	772420.73	N 32 15 59.55	W 103 27 7.19
	2200.00	15.00	81.29	2161.36	48.01	51.04	333.32	0.00	461808.04	772446.31	N 32 15 59.59	W 103 27 6.89
	2300.00	15.00	81.29	2257.95	51.70	54.96	358.90	0.00	461811.96	772471.90	N 32 15 59.62	W 103 27 6.60
	2400.00	15.00	81.29	2354.54	55.38	58.87	384.48	0.00	461815.87	772497.48	N 32 15 59.66	W 103 27 6.30
	2500.00	15.00	81.29	2451.14	59.07	62.79	410.06	0.00	461819.79	772523.06	N 32 15 59.70	W 103 27 6.00
	2600.00	15.00	81.29	2547.73	62.75	66.71	435.65	0.00	461823.71	772548.64	N 32 15 59.73	W 103 27 5.70
Drop .75°/100ft	2688.94	15.00	81.29	2633.64	66.03	70.19	458.40	0.00	461827.19	772571.40	N 32 15 59.76	W 103 27 5.43
	2700.00	14.92	81.29	2644.33	66.44	70.62	461.22	0.75	461827.62	772574.22	N 32 15 59.77	W 103 27 5.40
Castile (CSTL)	*2726.05*	*14.72*	*81.29*	*2669.51*	*67.38*	*71.63*	*467.81*	*0.75*	*461828.63*	*772580.80*	*N 32 15 59.78*	*W 103 27 5.33*
	2800.00	14.17	81.29	2741.12	70.01	74.42	486.04	0.75	461831.42	772599.04	N 32 15 59.80	W 103 27 5.11
	2900.00	13.42	81.29	2838.24	73.40	78.03	509.60	0.75	461835.03	772622.60	N 32 15 59.84	W 103 27 4.84
	3000.00	12.67	81.29	2935.66	76.62	81.45	531.91	0.75	461838.45	772644.91	N 32 15 59.87	W 103 27 4.58
	3100.00	11.92	81.29	3033.36	79.65	84.67	552.95	0.75	461841.67	772665.95	N 32 15 59.90	W 103 27 4.33
	3200.00	11.17	81.29	3131.34	82.50	87.70	572.73	0.75	461844.70	772685.73	N 32 15 59.93	W 103 27 4.10
	3300.00	10.42	81.29	3229.57	85.16	90.53	591.24	0.75	461847.53	772704.23	N 32 15 59.96	W 103 27 3.89
	3400.00	9.67	81.29	3328.04	87.65	93.17	608.47	0.75	461850.17	772721.47	N 32 15 59.98	W 103 27 3.69
	3500.00	8.92	81.29	3426.73	89.95	95.62	624.43	0.75	461852.62	772737.43	N 32 16 0.00	W 103 27 3.50
	3600.00	8.17	81.29	3525.62	92.06	97.86	639.11	0.75	461854.86	772752.11	N 32 16 0.02	W 103 27 3.33
	3700.00	7.42	81.29	3624.69	93.99	99.92	652.51	0.75	461856.92	772765.51	N 32 16 0.04	W 103 27 3.17
	3800.00	6.67	81.29	3723.94	95.74	101.77	664.63	0.75	461858.77	772777.63	N 32 16 0.06	W 103 27 3.03
	3900.00	5.92	81.29	3823.34	97.30	103.43	675.46	0.75	461860.43	772788.46	N 32 16 0.08	W 103 27 2.90
	4000.00	5.17	81.29	3922.87	98.67	104.89	685.01	0.75	461861.89	772798.00	N 32 16 0.09	W 103 27 2.79
	4100.00	4.42	81.29	4022.52	99.86	106.16	693.27	0.75	461863.16	772806.26	N 32 16 0.10	W 103 27 2.70
	4200.00	3.67	81.29	4122.27	100.86	107.22	700.23	0.75	461864.22	772813.23	N 32 16 0.11	W 103 27 2.62
	4300.00	2.92	81.29	4222.10	101.68	108.09	705.91	0.75	461865.09	772818.90	N 32 16 0.12	W 103 27 2.55
	4400.00	2.17	81.29	4322.00	102.31	108.76	710.29	0.75	461865.76	772823.29	N 32 16 0.13	W 103 27 2.50
	4500.00	1.42	81.29	4421.95	102.76	109.24	713.38	0.75	461866.24	772826.38	N 32 16 0.13	W 103 27 2.46
	4600.00	0.67	81.29	4521.94	103.02	109.51	715.18	0.75	461866.51	772828.17	N 32 16 0.13	W 103 27 2.44
Hold Vertical	4688.87	0.00	81.29	4610.80	103.09	109.59	715.69	0.75	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	4700.00	0.00	81.29	4621.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	4800.00	0.00	81.29	4721.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	4900.00	0.00	81.29	4821.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5000.00	0.00	81.29	4921.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5100.00	0.00	81.29	5021.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Lamar (LMAR)	*5171.78*	*0.00*	*81.29*	*5093.71*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
	5200.00	0.00	81.29	5121.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Bell Canyon (BLCN)	*5252.84*	*0.00*	*81.29*	*5174.77*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
	5300.00	0.00	81.29	5221.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5400.00	0.00	81.29	5321.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5500.00	0.00	81.29	5421.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5600.00	0.00	81.29	5521.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5700.00	0.00	81.29	5621.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5800.00	0.00	81.29	5721.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	5900.00	0.00	81.29	5821.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6000.00	0.00	81.29	5921.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Cherry Canyon (CRCN)	*6076.79*	*0.00*	*81.29*	*5998.72*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
	6100.00	0.00	81.29	6021.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6200.00	0.00	81.29	6121.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6300.00	0.00	81.29	6221.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	6400.00	0.00	81.29	6321.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6500.00	0.00	81.29	6421.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6600.00	0.00	81.29	6521.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6700.00	0.00	81.29	6621.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6800.00	0.00	81.29	6721.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	6900.00	0.00	81.29	6821.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7000.00	0.00	81.29	6921.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7100.00	0.00	81.29	7021.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7200.00	0.00	81.29	7121.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7300.00	0.00	81.29	7221.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7400.00	0.00	81.29	7321.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Brushy Canyon (BCN)	*7438.44*	*0.00*	*81.29*	*7360.37*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
	7500.00	0.00	81.29	7421.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7600.00	0.00	81.29	7521.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7700.00	0.00	81.29	7621.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7800.00	0.00	81.29	7721.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	7900.00	0.00	81.29	7821.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8000.00	0.00	81.29	7921.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8100.00	0.00	81.29	8021.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8200.00	0.00	81.29	8121.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8300.00	0.00	81.29	8221.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8400.00	0.00	81.29	8321.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8500.00	0.00	81.29	8421.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8600.00	0.00	81.29	8521.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Bone Spring Lime (BSGL)	*8663.57*	*0.00*	*81.29*	*8585.50*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
	8700.00	0.00	81.29	8621.93	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
Avalon Upper (AVU)	*8778.82*	*0.00*	*81.29*	*8700.75*	*103.09*	*109.59*	*715.69*	*0.00*	*461866.59*	*772828.68*	*N 32 16 0.13*	*W 103 27 2.43*
Build 10°/100ft	8784.37	0.00	81.29	8706.30	103.09	109.59	715.69	0.00	461866.59	772828.68	N 32 16 0.13	W 103 27 2.43
	8800.00	1.56	359.53	8721.93	103.30	109.80	715.69	10.00	461866.80	772828.68	N 32 16 0.14	W 103 27 2.43
	8900.00	11.56	359.53	8821.15	114.72	121.22	715.59	10.00	461878.22	772828.59	N 32 16 0.25	W 103 27 2.43
	9000.00	21.56	359.53	8916.88	143.19	149.69	715.36	10.00	461906.69	772828.36	N 32 16 0.53	W 103 27 2.43
	9100.00	31.56	359.53	9006.21	187.85	194.35	715.00	10.00	461951.35	772827.99	N 32 16 0.97	W 103 27 2.43
Avalon Lower (AVL)	*9147.31*	*36.29*	*359.53*	*9045.45*	*214.25*	*220.75*	*714.78*	*10.00*	*461977.74*	*772827.77*	*N 32 16 1.23*	*W 103 27 2.43*
	9200.00	41.56	359.53	9086.43	247.35	253.84	714.51	10.00	462010.84	772827.50	N 32 16 1.56	W 103 27 2.43
	9300.00	51.56	359.53	9155.10	319.87	326.36	713.92	10.00	462083.36	772826.91	N 32 16 2.28	W 103 27 2.43
	9400.00	61.56	359.53	9210.13	403.21	409.70	713.23	10.00	462166.70	772826.23	N 32 16 3.10	W 103 27 2.43
	9500.00	71.56	359.53	9249.85	494.85	501.33	712.48	10.00	462258.33	772825.48	N 32 16 4.01	W 103 27 2.43
	9600.00	81.56	359.53	9273.06	591.99	598.47	711.69	10.00	462355.47	772824.68	N 32 16 4.97	W 103 27 2.43
Landing Point	9683.03	89.87	359.53	9279.26	674.71	681.19	711.01	10.00	462438.19	772824.01	N 32 16 5.79	W 103 27 2.43
FTP Cross	*9683.14*	*89.87*	*359.53*	*9279.26*	*674.82*	*681.30*	*711.01*	*0.00*	*462438.29*	*772824.00*	*N 32 16 5.79*	*W 103 27 2.43*
	9700.00	89.87	359.53	9279.30	691.68	698.16	710.87	0.00	462455.16	772823.87	N 32 16 5.96	W 103 27 2.43
	9800.00	89.87	359.53	9279.53	791.68	798.16	710.05	0.00	462555.15	772823.05	N 32 16 6.95	W 103 27 2.43
	9900.00	89.87	359.53	9279.76	891.68	898.15	709.24	0.00	462655.15	772822.23	N 32 16 7.94	W 103 27 2.43
	10000.00	89.87	359.53	9279.99	991.68	998.15	708.42	0.00	462755.14	772821.41	N 32 16 8.93	W 103 27 2.43
	10100.00	89.87	359.53	9280.23	1091.68	1098.15	707.60	0.00	462855.14	772820.59	N 32 16 9.92	W 103 27 2.43
	10200.00	89.87	359.53	9280.46	1191.68	1198.14	706.78	0.00	462955.13	772819.78	N 32 16 10.91	W 103 27 2.43
	10300.00	89.87	359.53	9280.69	1291.68	1298.14	705.96	0.00	463055.13	772818.96	N 32 16 11.90	W 103 27 2.43
	10400.00	89.87	359.53	9280.93	1391.68	1398.14	705.14	0.00	463155.13	772818.14	N 32 16 12.88	W 103 27 2.43
	10500.00	89.87	359.53	9281.16	1491.68	1498.13	704.33	0.00	463255.12	772817.32	N 32 16 13.87	W 103 27 2.43
	10600.00	89.87	359.53	9281.39	1591.68	1598.13	703.51	0.00	463355.12	772816.50	N 32 16 14.86	W 103 27 2.43
	10700.00	89.87	359.53	9281.63	1691.68	1698.13	702.69	0.00	463455.11	772815.68	N 32 16 15.85	W 103 27 2.43
	10800.00	89.87	359.53	9281.86	1791.68	1798.12	701.87	0.00	463555.11	772814.86	N 32 16 16.84	W 103 27 2.43
	10900.00	89.87	359.53	9282.09	1891.68	1898.12	701.05	0.00	463655.10	772814.05	N 32 16 17.83	W 103 27 2.43
	11000.00	89.87	359.53	9282.32	1991.68	1998.12	700.23	0.00	463755.10	772813.23	N 32 16 18.82	W 103 27 2.43
	11100.00	89.87	359.53	9282.56	2091.68	2098.11	699.42	0.00	463855.09	772812.41	N 32 16 19.81	W 103 27 2.43
	11200.00	89.87	359.53	9282.79	2191.68	2198.11	698.60	0.00	463955.09	772811.59	N 32 16 20.80	W 103 27 2.43
	11300.00	89.87	359.53	9283.02	2291.68	2298.10	697.78	0.00	464055.09	772810.77	N 32 16 21.79	W 103 27 2.43
	11400.00	89.87	359.53	9283.26	2391.68	2398.10	696.96	0.00	464155.08	772809.95	N 32 16 22.78	W 103 27 2.43
	11500.00	89.87	359.53	9283.49	2491.68	2498.10	696.14	0.00	464255.08	772809.14	N 32 16 23.77	W 103 27 2.43
	11600.00	89.87	359.53	9283.72	2591.68	2598.09	695.32	0.00	464355.07	772808.32	N 32 16 24.76	W 103 27 2.43
	11700.00	89.87	359.53	9283.96	2691.68	2698.09	694.51	0.00	464455.07	772807.50	N 32 16 25.75	W 103 27 2.43
	11800.00	89.87	359.53	9284.19	2791.68	2798.09	693.69	0.00	464555.06	772806.68	N 32 16 26.74	W 103 27 2.43
	11900.00	89.87	359.53	9284.42	2891.67	2898.08	692.87	0.00	464655.06	772805.86	N 32 16 27.73	W 103 27 2.43
	12000.00	89.87	359.53	9284.65	2991.67	2998.08	692.05	0.00	464755.05	772805.04	N 32 16 28.72	W 103 27 2.43
	12100.00	89.87	359.53	9284.89	3091.67	3098.08	691.23	0.00	464855.05	772804.23	N 32 16 29.71	W 103 27 2.43
	12200.00	89.87	359.53	9285.12	3191.67	3198.07	690.41	0.00	464955.05	772803.41	N 32 16 30.70	W 103 27 2.43
	12300.00	89.87	359.53	9285.35	3291.67	3298.07	689.59	0.00	465055.04	772802.59	N 32 16 31.69	W 103 27 2.43
	12400.00	89.87	359.53	9285.59	3391.67	3398.06	688.78	0.00	465155.04	772801.77	N 32 16 32.68	W 103 27 2.43
	12500.00	89.87	359.53	9285.82	3491.67	3498.06	687.96	0.00	465255.03	772800.95	N 32 16 33.67	W 103 27 2.43
	12600.00	89.87	359.53	9286.05	3591.67	3598.06	687.14	0.00	465355.03	772800.13	N 32 16 34.65	W 103 27 2.43
	12700.00	89.87	359.53	9286.29	3691.67	3698.05	686.32	0.00	465455.02	772799.32	N 32 16 35.64	W 103 27 2.43
	12800.00	89.87	359.53	9286.52	3791.67	3798.05	685.50	0.00	465555.02	772798.50	N 32 16 36.63	W 103 27 2.43
	12900.00	89.87	359.53	9286.75	3891.67	3898.05	684.68	0.00	465655.01	772797.68	N 32 16 37.62	W 103 27 2.43
	13000.00	89.87	359.53	9286.98	3991.67	3998.04	683.87	0.00	465755.01	772796.86	N 32 16 38.61	W 103 27 2.43
	13100.00	89.87	359.53	9287.22	4091.67	4098.04	683.05	0.00	465855.01	772796.04	N 32 16 39.60	W 103 27 2.43
	13200.00	89.87	359.53	9287.45	4191.67	4198.04	682.23	0.00	465955.00	772795.22	N 32 16 40.59	W 103 27 2.43
	13300.00	89.87	359.53	9287.68	4291.67	4298.03	681.41	0.00	466055.00	772794.41	N 32 16 41.58	W 103 27 2.43
	13400.00	89.87	359.53	9287.92	4391.67	4398.03	680.59	0.00	466154.99	772793.59	N 32 16 42.57	W 103 27 2.43
	13500.00	89.87	359.53	9288.15	4491.67	4498.02	679.77	0.00	466254.99	772792.77	N 32 16 43.56	W 103 27 2.43
	13600.00	89.87	359.53	9288.38	4591.67	4598.02	678.96	0.00	466354.98	772791.95	N 32 16 44.55	W 103 27 2.43
	13700.00	89.87	359.53	9288.62	4691.67	4698.02	678.14	0.00	466454.98	772791.13	N 32 16 45.54	W 103 27 2.43
	13800.00	89.87	359.53	9288.85	4791.67	4798.01	677.32	0.00	466554.97	772790.31	N 32 16 46.53	W 103 27 2.43
	13900.00	89.87	359.53	9289.08	4891.67	4898.01	676.50	0.00	466654.97	772789.50	N 32 16 47.52	W 103 27 2.43
	14000.00	89.87	359.53	9289.31	4991.67	4998.01	675.68	0.00	466754.97	772788.68	N 32 16 48.51	W 103 27 2.43
	14100.00	89.87	359.53	9289.55	5091.67	5098.00	674.86	0.00	466854.96	772787.86	N 32 16 49.50	W 103 27 2.43
	14200.00	89.87	359.53	9289.78	5191.67	5198.00	674.05	0.00	466954.96	772787.04	N 32 16 50.49	W 103 27 2.43
	14300.00	89.87	359.53	9290.01	5291.67	5298.00	673.23	0.00	467054.95	772786.22	N 32 16 51.48	W 103 27 2.43
	14400.00	89.87	359.53	9290.25	5391.67	5397.99	672.41	0.00	467154.95	772785.40	N 32 16 52.47	W 103 27 2.43
	14500.00	89.87	359.53	9290.48	5491.67	5497.99	671.59	0.00	467254.94	772784.59	N 32 16 53.46	W 103 27 2.43
	14600.00	89.87	359.53	9290.71	5591.67	5597.98	670.77	0.00	467354.94	772783.77	N 32 16 54.45	W 103 27 2.43
	14700.00	89.87	359.53	9290.95	5691.67	5697.98	669.95	0.00	467454.93	772782.95	N 32 16 55.43	W 103 27 2.43
	14800.00	89.87	359.53	9291.18	5791.67	5797.98	669.14	0.00	467554.93	772782.13	N 32 16 56.42	W 103 27 2.43
	14900.00	89.87	359.53	9291.41	5891.67	5897.97	668.32	0.00	467654.93	772781.31	N 32 16 57.41	W 103 27 2.43
MP, Turn 2°/100ft	14938.08	89.87	359.53	9291.50	5929.74	5936.05	668.01	0.00	467693.00	772781.00	N 32 16 57.79	W 103 27 2.43
Hold to TD	14942.98	89.87	359.43	9291.51	5934.64	5940.95	667.96	2.00	467697.90	772780.96	N 32 16 57.84	W 103 27 2.43
	15000.00	89.87	359.43	9291.64	5991.67	5997.97	667.40	0.00	467754.92	772780.39	N 32 16 58.40	W 103 27 2.43
	15100.00	89.87	359.43	9291.87	6091.66	6097.96	666.41	0.00	467854.91	772779.40	N 32 16 59.39	W 103 27 2.44
	15200.00	89.87	359.43	9292.10	6191.66	6197.96	665.42	0.00	467954.91	772778.41	N 32 17 0.38	W 103 27 2.44
	15300.00	89.87	359.43	9292.32	6291.66	6297.95	664.43	0.00	468054.90	772777.42	N 32 17 1.37	W 103 27 2.44
	15400.00	89.87	359.43	9292.55	6391.66	6397.95	663.44	0.00	468154.90	772776.43	N 32 17 2.36	W 103 27 2.44
	15500.00	89.87	359.43	9292.78	6491.66	6497.94	662.45	0.00	468254.89	772775.44	N 32 17 3.35	W 103 27 2.44
	15600.00	89.87	359.43	9293.01	6591.66	6597.94	661.46	0.00	468354.88	772774.46	N 32 17 4.34	W 103 27 2.44
	15700.00	89.87	359.43	9293.23	6691.66	6697.93	660.47	0.00	468454.88	772773.47	N 32 17 5.33	W 103 27 2.45
	15800.00	89.87	359.43	9293.46	6791.66	6797.93	659.48	0.00	468554.87	772772.48	N 32 17 6.32	W 103 27 2.45

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	15900.00	89.87	359.43	9293.69	6891.66	6897.92	658.49	0.00	468654.87	772771.49	N 32 17 7.31	W 103 27 2.45
	16000.00	89.87	359.43	9293.92	6991.66	6997.92	657.50	0.00	468754.86	772770.50	N 32 17 8.30	W 103 27 2.45
	16100.00	89.87	359.43	9294.14	7091.66	7097.91	656.51	0.00	468854.86	772769.51	N 32 17 9.29	W 103 27 2.45
	16200.00	89.87	359.43	9294.37	7191.66	7197.91	655.52	0.00	468954.85	772768.52	N 32 17 10.28	W 103 27 2.46
	16300.00	89.87	359.43	9294.60	7291.66	7297.90	654.54	0.00	469054.84	772767.53	N 32 17 11.27	W 103 27 2.46
	16400.00	89.87	359.43	9294.83	7391.66	7397.90	653.55	0.00	469154.84	772766.54	N 32 17 12.26	W 103 27 2.46
	16500.00	89.87	359.43	9295.05	7491.66	7497.89	652.56	0.00	469254.83	772765.55	N 32 17 13.25	W 103 27 2.46
	16600.00	89.87	359.43	9295.28	7591.66	7597.89	651.57	0.00	469354.83	772764.56	N 32 17 14.24	W 103 27 2.46
	16700.00	89.87	359.43	9295.51	7691.66	7697.88	650.58	0.00	469454.82	772763.57	N 32 17 15.23	W 103 27 2.47
	16800.00	89.87	359.43	9295.74	7791.66	7797.88	649.59	0.00	469554.81	772762.58	N 32 17 16.22	W 103 27 2.47
	16900.00	89.87	359.43	9295.96	7891.66	7897.87	648.60	0.00	469654.81	772761.59	N 32 17 17.20	W 103 27 2.47
	17000.00	89.87	359.43	9296.19	7991.66	7997.87	647.61	0.00	469754.80	772760.60	N 32 17 18.19	W 103 27 2.47
	17100.00	89.87	359.43	9296.42	8091.66	8097.86	646.62	0.00	469854.80	772759.61	N 32 17 19.18	W 103 27 2.47
	17200.00	89.87	359.43	9296.65	8191.66	8197.86	645.63	0.00	469954.79	772758.63	N 32 17 20.17	W 103 27 2.48
	17300.00	89.87	359.43	9296.87	8291.66	8297.85	644.64	0.00	470054.78	772757.64	N 32 17 21.16	W 103 27 2.48
	17400.00	89.87	359.43	9297.10	8391.66	8397.85	643.65	0.00	470154.78	772756.65	N 32 17 22.15	W 103 27 2.48
	17500.00	89.87	359.43	9297.33	8491.66	8497.84	642.66	0.00	470254.77	772755.66	N 32 17 23.14	W 103 27 2.48
	17600.00	89.87	359.43	9297.56	8591.66	8597.84	641.67	0.00	470354.77	772754.67	N 32 17 24.13	W 103 27 2.48
	17700.00	89.87	359.43	9297.78	8691.66	8697.83	640.68	0.00	470454.76	772753.68	N 32 17 25.12	W 103 27 2.49
	17800.00	89.87	359.43	9298.01	8791.66	8797.83	639.69	0.00	470554.75	772752.69	N 32 17 26.11	W 103 27 2.49
	17900.00	89.87	359.43	9298.24	8891.66	8897.82	638.71	0.00	470654.75	772751.70	N 32 17 27.10	W 103 27 2.49
	18000.00	89.87	359.43	9298.47	8991.66	8997.81	637.72	0.00	470754.74	772750.71	N 32 17 28.09	W 103 27 2.49
	18100.00	89.87	359.43	9298.69	9091.66	9097.81	636.73	0.00	470854.74	772749.72	N 32 17 29.08	W 103 27 2.49
	18200.00	89.87	359.43	9298.92	9191.66	9197.80	635.74	0.00	470954.73	772748.73	N 32 17 30.07	W 103 27 2.50
	18300.00	89.87	359.43	9299.15	9291.66	9297.80	634.75	0.00	471054.72	772747.74	N 32 17 31.06	W 103 27 2.50
	18400.00	89.87	359.43	9299.38	9391.66	9397.79	633.76	0.00	471154.72	772746.75	N 32 17 32.05	W 103 27 2.50
	18500.00	89.87	359.43	9299.60	9491.66	9497.79	632.77	0.00	471254.71	772745.76	N 32 17 33.04	W 103 27 2.50
	18600.00	89.87	359.43	9299.83	9591.65	9597.78	631.78	0.00	471354.71	772744.77	N 32 17 34.03	W 103 27 2.50
	18700.00	89.87	359.43	9300.06	9691.65	9697.78	630.79	0.00	471454.70	772743.78	N 32 17 35.02	W 103 27 2.50
	18800.00	89.87	359.43	9300.29	9791.65	9797.77	629.80	0.00	471554.69	772742.80	N 32 17 36.01	W 103 27 2.51
	18900.00	89.87	359.43	9300.51	9891.65	9897.77	628.81	0.00	471654.69	772741.81	N 32 17 37.00	W 103 27 2.51
	19000.00	89.87	359.43	9300.74	9991.65	9997.76	627.82	0.00	471754.68	772740.82	N 32 17 37.98	W 103 27 2.51
	19100.00	89.87	359.43	9300.97	10091.65	10097.76	626.83	0.00	471854.68	772739.83	N 32 17 38.97	W 103 27 2.51
	19200.00	89.87	359.43	9301.20	10191.65	10197.75	625.84	0.00	471954.67	772738.84	N 32 17 39.96	W 103 27 2.51
	19300.00	89.87	359.43	9301.42	10291.65	10297.75	624.85	0.00	472054.66	772737.85	N 32 17 40.95	W 103 27 2.52
	19400.00	89.87	359.43	9301.65	10391.65	10397.74	623.86	0.00	472154.66	772736.86	N 32 17 41.94	W 103 27 2.52
	19500.00	89.87	359.43	9301.88	10491.65	10497.74	622.88	0.00	472254.65	772735.87	N 32 17 42.93	W 103 27 2.52
	19600.00	89.87	359.43	9302.11	10591.65	10597.73	621.89	0.00	472354.65	772734.88	N 32 17 43.92	W 103 27 2.52
	19700.00	89.87	359.43	9302.34	10691.65	10697.73	620.90	0.00	472454.64	772733.89	N 32 17 44.91	W 103 27 2.52
	19800.00	89.87	359.43	9302.56	10791.65	10797.72	619.91	0.00	472554.63	772732.90	N 32 17 45.90	W 103 27 2.53
	19900.00	89.87	359.43	9302.79	10891.65	10897.72	618.92	0.00	472654.63	772731.91	N 32 17 46.89	W 103 27 2.53
	20000.00	89.87	359.43	9303.02	10991.65	10997.71	617.93	0.00	472754.62	772730.92	N 32 17 47.88	W 103 27 2.53
	20100.00	89.87	359.43	9303.25	11091.65	11097.71	616.94	0.00	472854.62	772729.93	N 32 17 48.87	W 103 27 2.53
LTP Cross	*20119.67*	*89.87*	*359.43*	*9303.29*	*11111.32*	*11117.38*	*616.74*	*0.00*	*472874.29*	*772729.74*	*N 32 17 49.06*	*W 103 27 2.53*
ZN Acadia 27 22 Fed State Com 203H BHL	20194.39	89.87	359.43	9303.46	11186.04	11192.09	616.00	0.00	472949.00	772729.00	N 32 17 49.80	W 103 27 2.53

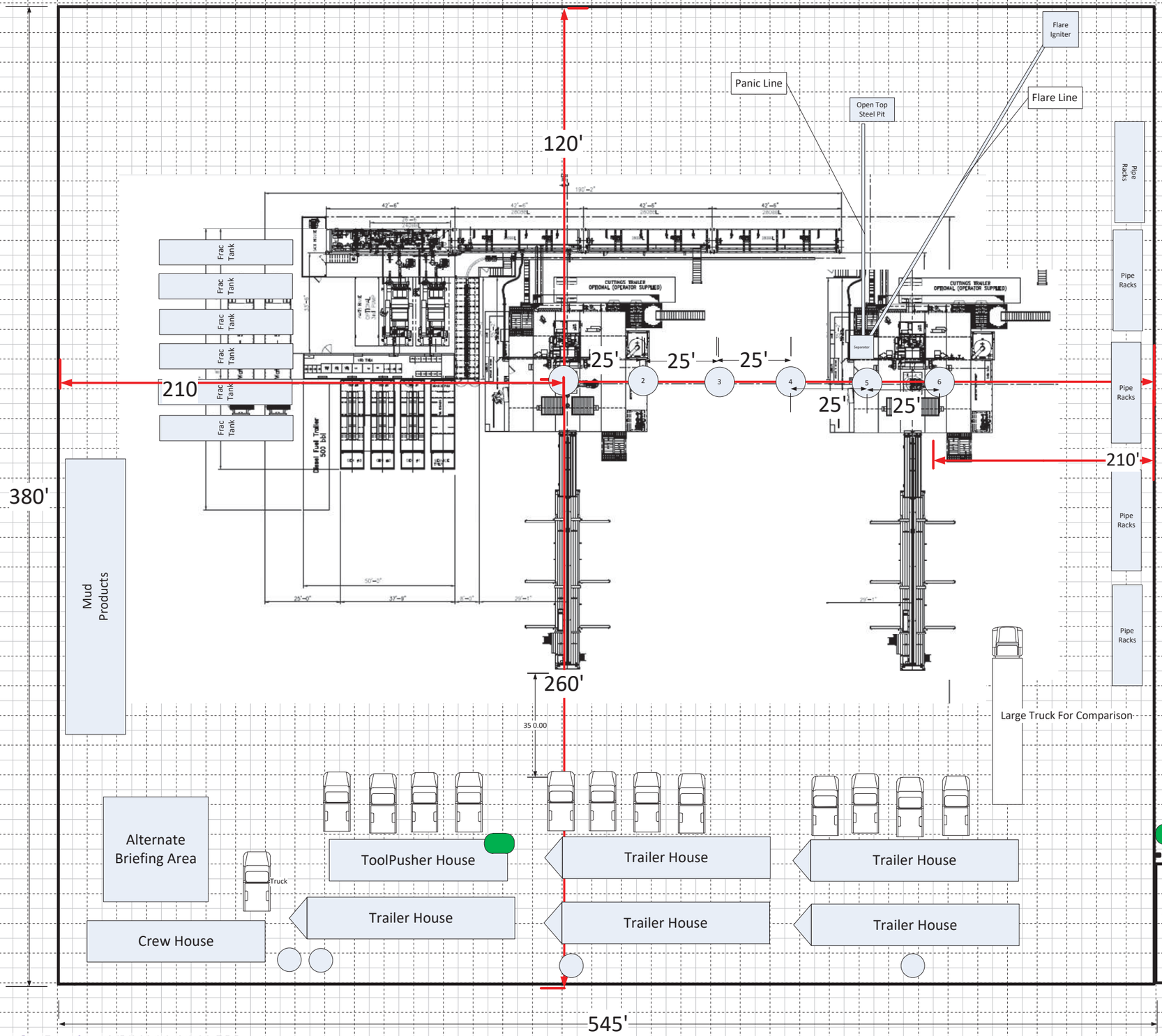
Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 3 *** 3-D 97.071% Confidence 3.0000 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM-Depth Only	ZN Acadia 27 22 Fed State Com 203H / ZN Acadia 27 22 Fed State Com 203H R0 mdv
	1	28.000	20194.389	1/100.000	17.500	13.375		B001Mb_MWD+HRGM	ZN Acadia 27 22 Fed State Com 203H / ZN Acadia 27 22 Fed

SD 14 23 FED P19 15, 16, 17, 18, 19, 20H



Rig layout shows rig in first and last well for illustration purposes.

H2S Monitor Locations
- Bop/Cellar
- Rig Floor
- Shaker Skid
- Bell Nipple

Flag Locations
- Sign-in Shack
- Rig Floor
- Dog House

10 Minute Escape Packs
- 1 at Pits
- 1 at Trip Tank
- 1 at Accumulator
- 4 at Rig Floor

45 Minute Escape Packs
- 2 at Briefing Area
- 2 at Alternate Briefing Area

Legend
- **H2S Monitor**
- **Flag**

Chevron U.S.A. Inc. (CUSA)
SUNDRY ATTACHMENT: SPUDDER RIG

DATA OPERATOR NAME: Chevron U.S.A. Inc.

1. SUMMARY OF REQUEST:

CUSA respectfully requests approval for the following operations for the surface hole in the drill plan:

1. Utilize a spudder rig to pre-set surface casing for time and cost savings.

2. Description of Operations

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
   - **a.** After drilling the surface hole section, the spudder rig will run casing and cement following all the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
   - **b.** The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.

2. The wellhead will be installed and then tested offline after the WOC time has been reached.

3. An abandonment cap at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on one wing-valve.
   - **a.** A means for intervention will be maintained while the drilling rig is not over the well.

4. Spudder rig operations are expected to take 2-3 days per well on the pad.

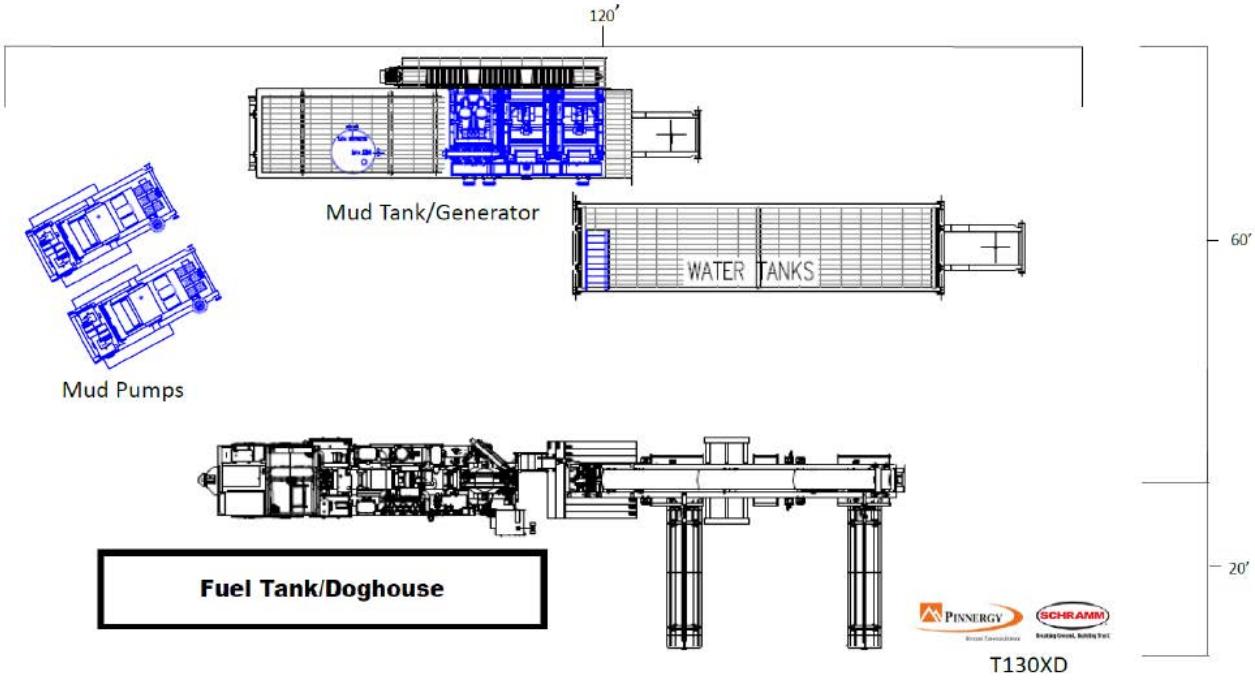
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.

6. Drilling operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
   - **a.** The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
   - **b.** The BLM will be contacted / notified 24 hours before the larger rig moves back on the pre-set locations.

7. CUSA will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.

8. Once the rig is removed, CUSA will secure the wellhead area by placing a guard rail around the cellar area.

Surface Rig Layout



Chevron U.S.A. Inc. (CUSA)
SUNDRY ATTACHMENT: SPUDDER RIG

DATA OPERATOR NAME: Chevron U.S.A. Inc.

1. SUMMARY OF REQUEST:

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1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
   - **a.** After drilling the surface hole section, the spudder rig will run casing and cement following all the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
   - **b.** The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.

2. The wellhead will be installed and then tested offline after the WOC time has been reached.

3. An abandonment cap at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on one wing-valve.
   - **a.** A means for intervention will be maintained while the drilling rig is not over the well.

4. Spudder rig operations are expected to take 2-3 days per well on the pad.

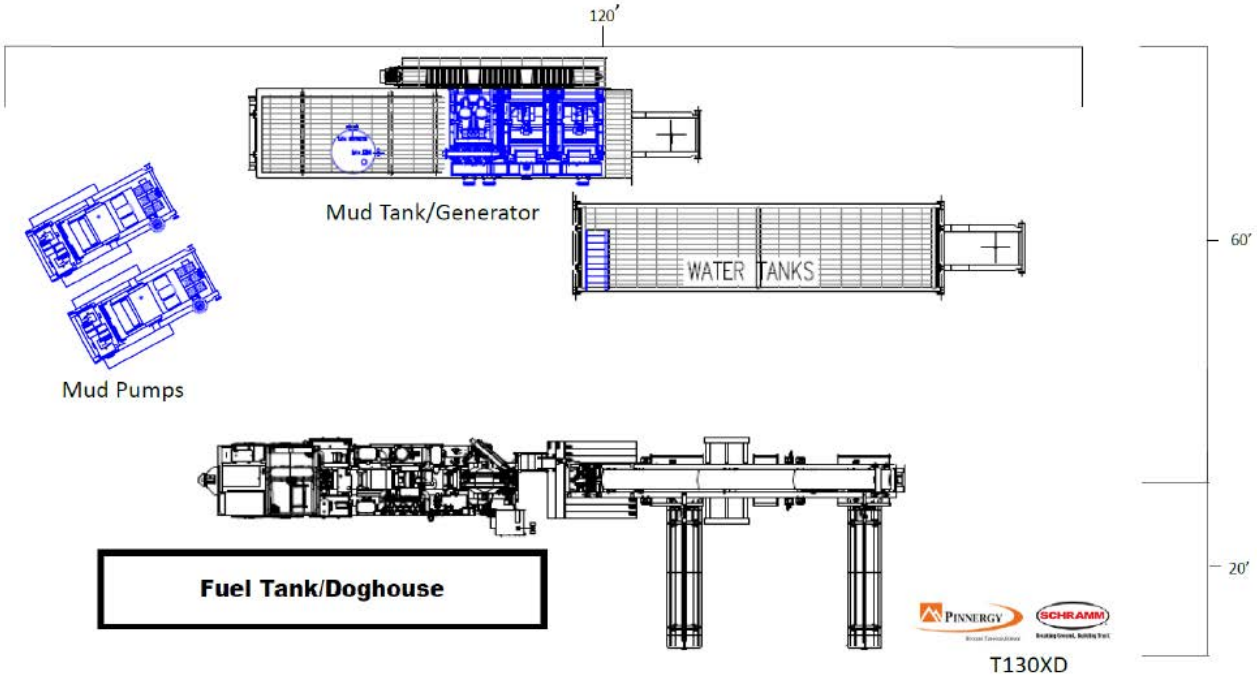
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.

6. Drilling operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
   - **a.** The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
   - **b.** The BLM will be contacted / notified 24 hours before the larger rig moves back on the pre-set locations.

7. CUSA will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.

8. Once the rig is removed, CUSA will secure the wellhead area by placing a guard rail around the cellar area.

Surface Rig Layout



Pad Summary: Zion Pad 2

The table below lists all the wells for the given pad and their respective name and TVD's (ft) for their production target intervals:

Well Name(s)	Target TVD	Formation Desc.
ZN 27 22 FED STATE COM 201H	9,192	Avalon
ZN 27 22 FED STATE COM 202H	9,678	Avalon
ZN 27 22 FED STATE COM 203H	9,303	Avalon
ZN 27 22 FED STATE COM 401H	10,308	Bone Spring
ZN 27 22 FED STATE COM 402H	10,338	Bone Spring
ZN 27 22 FED STATE COM 601H	11,464	Wolfcamp A
ZN 27 22 FED STATE COM 602H	11,473	Wolfcamp A

1. **GEOLOGICAL TOPS**

Elevation: As seen in C-102

The estimated tops of important geologic markers are as follows:

FORMATION	LITHOLOGIES	TVD	MD	Producing Formation?
Rustler	Sandstone	825	826	No
Salado (SLDO)	Anhydrite/Salt	1,446	1,459	No
Castile (CSTL)	Anhydrite/Salt	2,670	2,726	No
Lamar (LMAR)	Limestone/Shale	5,094	5,172	No
Bell Canyon (BLCN)	Sandstone/Limestone	5,175	5,253	No
Cherry Canyon (CRCN)	Sandstone/Siltstone	5,999	6,077	No
Brushy Canyon (BCN)	Sandstone/Limestone	7,360	7,438	No
Bone Spring Lime (BSGL)	Shale/Siltstone	8,586	8,664	No
Avalon Upper (AVU)	Shale	8,701	8,779	No
Avalon Lower (AVL)	Shale	9,045	9,147	Yes: Oil & Natural Gas

WELLBORE LOCATIONS	MD	TVD
SHL	-	-
KOP	8,784	8,706
FTP	9,683	9,279
LTP	20,120	9,303
BHL	20,194	9,303

2. **BOP EQUIPMENT AND TESTING**

Rating Depth 9,303 TVD

Equipment

Chevron will have a minimum of a 5,000 psi rig stack for drill out below surface casing

Request Variance: Yes
Variance Request(s)
Chevron respectfully request to vary from the Onshore Order 2 where it states: "(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken." We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / ≥ 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized.

Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Testing Procedure
The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

3. **CASING PROGRAM**

a. The proposed PRIMARY casing program will be as follows:

Purpose	Top (MD)	Top (TVD)	Bot (MD)	Bot (TVD)	Hole Size	Csg Size	Weight	Grade	Thread
Surface	0'	0'	1,020'	1,020'	17.5" / 16"	13.375"	54.5 #	J-55	BTC/STC
Intermediate 1	0'	0'	5,152'	5,074'	12.25"	9.625"	40.0 #	L-80	BTC/LTC
Intermediate 2	0'	0'	8,784'	8,706'	8.75"	7"	29.0 #	P-110	BLUE-SD
Production Liner†	8,584'	8,506'	9,234'	9,106'	6.125"	5"	18.0 #	P-110	W513
Production Liner	9,234'	9,106'	20,194'	9,303'	6.125"	4.5"	11.6 #	P-110	W521

Surface casing set below magenta dolomite and above top of salt (25 ft below los medanos)

† 5" casing from TOL to 45 degrees (max OD at connection is 5.00")

b. **All casing strings will be new pipe.**
c. **Casing design depths subject to revision based on directional drilling and geologic conditions encountered.**
d. **Chevon will keep casing fluid filled at all times and while RIH. Chevron will check casing at a minimum of every 20 jts (~840'), and never to surpass ⅓ of casing, while running intermediate and production casing in order to maintain collapse SF.**

Casing String	Min SF Collapse	Min SF Burst	Min SF Axial (Joint)	Min SF Axial (Body)
Surface	2.39	1.79	16.35	15.34
Intermediate 1	1.34	2.41	4.67	4.51
Intermediate 2	1.98	4.02	3.68	3.68
Production Liner	1.60	3.83	2.25	3.54

4. **CEMENTING PROGRAM**

Slurry	Type	Top	Bottom	*Quantity*	Yield	Density	%Excess	Volume	Additives
Surface Casing 13-3/8"				(sks)	(cuft/sk)	(ppg)		(cuft)	
Tail	Class C	0'	1,020'	543	1.63	13.6	25	886	Extender, Antifoam, Retarder, Viscosifier
Intermediate 1 Casing 9-5/8"									
Planned single stage cement job									
Lead	Class C	0'	4,152'	737	2.29	11.5	25	1689	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	4,152'	5,152'	263	1.63	12.6	25	429	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	4,152'	1204	1.35	14.8	25	1625	Extender, Antifoam, Retarder, Viscosifier
Intermediate 2 Casing 7"									
Planned single stage cement job									
Lead	Class C	0'	7,784'	373	3.52	10.5	25	1311	Extender, Antifoam, Retarder, Viscosifier
Tail	Class C	7,784'	8,784'	124	1.52	12.6	25	188	Extender, Antifoam, Retarder, Viscosifier
Contingency: Top Job									
1st Tail	Class C	0'	5,784'	805	1.35	14.8	25	1087	Extender, Antifoam, Retarder, Viscosifier
Production Liner 5" x 4-1/2"									
Lead	Class H	8,584'	20,194'	899	1.52	12.6	25	1367	Extender, Antifoam, Retarder, Viscosifier

Surface casing shall have at least one centralizer installed on each of the bottom three joints starting with the shoe joint.

5. **MUD PROGRAM**

Top	Bottom	Type	Min MW	Max MW at TD	Additional Charactistics
0'	1,020'	Spud Mud	8.3	8.9	
1,020'	5,152'	Brine	8.3	10.0	Saturated brine would be used through salt sections.
5,152'	8,784'	WBM/Brine	8.5	9.5	
8,784'	20,194'	OBM	8.7	10.0	Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses

A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill.

All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

6. **TESTING, LOGGING, AND CORING**

a. **Production tests are not planned.**
b. Logs run include: **Gamma Ray Log, Directional Survey**
c. **Coring Operations are not planned.**

7. **ABNORMAL PRESSURES AND HYDROGEN SULFIDE**

Anticipated BHP	**4,838**	psi
Anticipated BHT	**162**	°F
Anticipated abnormal pressures?	**No**	
Describe abnormal pressures	N/A - Pressure ramp begins in the bottom of the Third Bone Spring formation	
Contingency plan(s) description:	- Casing design accounts for pressure ramp - Mud weighting agents available on location to increase drilling fluid density - BOP, choke, and well control drills - BOP functioned and pressure tested	

Hydrogen sulfide gas is not anticipated: However the H2S Contingency plan is attached with this APD in the event that H2S is encountered

8. **OTHER ITEMS**

a. **Batch drilling** will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
b. **Shallow rig** may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
c. **Wait on cement** duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in Onshore Order 2

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: Chevron USA Inc **OGRID:** 4323 **Date:** 10 / 11/ 2022

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
ZN 27 22 FED STATE COM #201H	Pending	UL:A-34-23S-34E	650' FNL, 1307' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #202H	Pending	UL: A-34-23S-34E	650' FNL, 1287' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #203H	Pending	UL:A-34-23S-34E	650' FNL 1267' FEL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #401H	Pending	UL:B-34-23S-34E	650' FSL, 1367' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #402H	Pending	UL:B-34-23S-34E	650' FNL, 1327' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #601H	Pending	UL:B-34-23S-34E	650' FNL, 1387' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D
ZN 27 22 FED STATE COM #602H	Pending	UL:B-34-23S-34E	650' FSL, 1347' FWL	1815 BBL/D	3116 MCF/D	2397 BBL/D

IV. Central Delivery Point Name: Section 34 CTB [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
ZN 27 22 FED STATE COM #201H	Pending	2/1/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #202H	Pending	2/19/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #203H	Pending	3/8/2024	N/A	N/A	N/A	N.A

ZN 27 22 FED STATE COM #401H	Pending	3/26/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #402H	Pending	4/13/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #601H	Pending	5/1/2024	N/A	N/A	N/A	N/A
ZN 27 22 FED STATE COM #602H	Pending	5/19/2024	N/A	N/A	N/A	N/A

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	Cindy Herrera-Murillo
Printed Name:	Cindy Herrera-Murillo
Title:	Sr HSE Regulatory Affairs Coordinator
E-mail Address:	eeof@chevron.com
Date:	10/18/2022
Phone:	575-263-0431

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

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

VI. Separation Equipment:
Separation equipment installed at each Chevron facility is designed for maximum anticipated throughput and pressure to minimize waste. Separation equipment is designed and built according to ASME Sec VIII Div I to ensure gas is separated from liquid streams according to projected production.

VII./VIII. Operational & Best Management Practices:
1. General Requirements for Venting and Flaring of Natural Gas:
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron installs and operates vapor recovery units (VRUs) in new facilities to minimize venting and flaring. If a VRU experiences operating issues, it is quickly assessed so that action can be taken to return the VRU to operation or, if necessary, facilities are shut-in to reduce the venting or flaring of natural gas.

2. During Drilling Operations:
- Flare stacks will be located a minimum of 110 feet from the nearest surface hole location.
- If an emergency or malfunction occurs, gas will be flared or vented to avoid a risk of an immediate and substantial adverse impact on public health, safety or the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Natural gas is captured or combusted if technically feasible using best industry practices and control technologies, such as the use of separators (e.g., Sand Commanders) during normal drilling and completions operations.

3. During Completions:
- Chevron typically does not complete traditional flowback, instead Chevron will flow produced oil, water, and gas to a centralized tank battery and continuously recover salable quality gas. If Chevron completes traditional flowback, Chevron conducts reduced emission completions as required by 40 CFR 60.5375a by routing gas to a gas flow line as soon as practicable once there is enough gas to operate a separator. Venting does not occur once there is enough gas to operate a separator
- Normally, during completions a flare is not on-site. A Snubbing Unit will have a flare on-site, and the flare volume will be estimated.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.

4. During Production:
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.
- Monitor manual liquid unloading for wells on-site, takes all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time and takes reasonable actions to minimize venting to the maximum extent practicable.
- In all circumstances, Chevron will flare rather than vent unless flaring is technically infeasible and venting of natural gas will avoid a risk of an immediate and substantial adverse impact on safety, public health, or the environment.
- Chevron's design for new facilities utilizes air-activated pneumatic controllers and pumps.
- If natural gas does not meet pipeline quality specification, the gas is sampled twice per week until the gas meets the specifications.
- Chevron does not produce oil or gas until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.

5. Performance Standards

- Equipment installed at each facility is designed for maximum anticipated throughput and pressure to minimize waste. Tank pressure relief systems utilize a soft seated or metal seated PSVs, as appropriate, which are both designed to not leak.
- Flare stack has been designed for proper size and combustion efficiency. New flares will have a continuous pilot and will be located at least 100 feet from the well and storage tanks and will be securely anchored.
- New tanks will be equipped with an automatic gauging system.
- An audio, visual and olfactory (AVO) inspection will be performed daily (at minimum) for active wells and facilities to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC. Inactive, temporarily abandoned, or shut-in wells and facilities will be inspected weekly. Inspection records will be kept for a minimum of five years and will be available upon request by the division.

6. Measurement or Estimation of Vented and Flared Natural Gas

- Chevron estimates or measures the volume of natural gas that is vented, flared, or beneficially used during drilling, operations, regardless of the reason or authorization for such venting or flaring.
- Where technically practicable, Chevron will install meters on flares installed after May 25, 2021. Meters will conform to industry standards. Bypassing the meter will only occur for inspecting and servicing of the meter.

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

SUPO Data Report
07/24/2024

APD ID: 10400097015
Submission Date: 02/15/2024
Operator Name: CHEVRON USA INCORPORATED
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

ZN_27_22_FED_STATE_COM_Road_Plat_203H_R2_Cert01312024_20240208082255.pdf

Existing Road Purpose: ACCESS **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

ZN_27_22_Fed_State_Com_Well_Plat_203H_Certified_9_20_22_20240208082352.pdf
ZN_27_22_FED_STATE_COM_Pad_Plat_R4_Cert01312024__1__20240215083935.pdf

New road type: COLLECTOR,LOCAL

Length: 1267 Feet **Width (ft.):** 20

Max slope (%): 2 **Max grade (%):** 3

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 20

New road access erosion control: Proper erosion control methods will be used on the area to control erosion, runoff, and siltation of the surrounding area.
New road access plan or profile prepared? N

New road access plan

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: GRAVEL

Access topsoil source: ONSITE

Access surfacing type description:

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: SCRAPING

Access other construction information:

Access miscellaneous information:

Number of access turnouts: **Access turnout map:**

Drainage Control

New road drainage crossing: CROSSING,CULVERT

Drainage Control comments: Road Width: The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed 14. The maximum width of surface disturbance shall not exceed 24.

Road Drainage Control Structures (DCS) description: Crown Design: Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2%. The road shall conform to cross section and plans for typical road construction found in the BLM Gold Book
Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:

Permitting_ZN___1_mile_map_20240208082811.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description:

Production Facilities map:

Zion_Pad_2_Aerial_Detail_Cert_02072024_20240215084033.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: FRAC POND

Water source use type: SURFACE CASING

INTERMEDIATE/PRODUCTION CASING

Source latitude: **Source longitude:**

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Water source transport method: TRUCKING

Source land ownership: OTHER **Describe land ownership:** PRIVATE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 16666.66667 **Source volume (acre-feet):** 2.14821827

Source volume (gal): 700000.0001

Water source and transportation

Zion_Pipeline_EDS_Plat_R5_Cert012924_20240208105453.pdf

Water source comments:

New water well? N

New Water Well Info

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: NO

Construction Materials description:

Construction Materials source location

Section 7 - Methods for Handling

Waste type: GARBAGE

Waste content description: Human waste and grey water - Other wastes material i.e. chemicals, salts, frac sand - Drill cutting .All to be properly disposed at a State approved disposal facility. - Garbage & trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility. All trash on and around the well site will be collected for disposal. - Human waste and grey water will be properly contained and disposed of properly at a state approved disposal facility. - After drilling and completion operations, trash, chemicals, salts, frac sand and other waste material will be removed and disposed of properly at a state approved disposal facility.

Amount of waste: 200 barrels

Waste disposal frequency : Daily

Safe containment description: All to be properly disposed at a State approved disposal facility. - Garbage & trash produced during drilling and completion operations will be collected in a trash container and disposed of properly at a state approved disposal facility. All trash on and around the well site will be collected for disposal. - Human waste and grey water will be properly contained and disposed of properly at a state approved disposal facility. - After drilling and completion operations, trash, chemicals, salts, frac sand and other waste material will be removed and disposed of properly at a state approved disposal facility

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** STATE

Disposal type description:

Disposal location description: STATE APPROVED FACILITY: -Carlsbad 6601 Hobbs HWY Carlsbad, NM 575-393-1079 - Eunice Sundance Services 5 miles East of Eunice on HWY 18 and Wallach Ln 575-390-0342 - Seminole Permian Disposal 587 US HWY 385 S 432-955-0322 Proposed Facilities location: ID 1 26S 27E Section 2 Unit Letter M ID 2 25S 27E Section 16 Unit Letter F ID 3 25S 27E Section 26 Unit Letter P ID 4 26S 27E Section 12 Unit Letter L ID 5 26S 27E Section 2 Unit Letter P

Reserve Pit

Reserve Pit being used? YES

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) 216 **Reserve pit width (ft.)** 327

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Reserve pit depth (ft.) 8 **Reserve pit volume (cu. yd.)** 29004

Is at least 50% of the reserve pit in cut? Y

Reserve pit liner SYNTHETIC

Reserve pit liner specifications and installation description Drilling fluids and produced oil and water from the well during drilling and completion operations will be processed safely in the reserve pit and reclaimed accordingly by NMOCD guidelines.

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

ZN_27_22_FED_STATE_COM_Well_Plat_203H_R3_Cert01312024_20240208084208.pdf
ZN_27_22_FED_STATE_COM_Pad_Plat_R4_Cert01312024_20240208084226.pdf
ZN_27_22_FED_STATE_COM_CUT_FILL_Pad_R3_Cert020124_20240208084240.pdf

Comments:

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance

Multiple Well Pad Name: ZN 27 22 FED STATE COM

Multiple Well Pad Number: 201H,202H,203H, 401H,402H, 601H,602H

Recontouring

ZN_27_22_FED_STATE_COM_IR_Plat_R4_Cert012224_20240208105610.pdf

Drainage/Erosion control construction: Drilling fluids and produced oil and water from the well during drilling and completion operations will be processed safely in the reserve pit and reclaimed accordingly by NMOCD guidelines

Drainage/Erosion control reclamation: After drilling and completion operations, trash, chemicals, salts, frac sand and other waste material will be removed and disposed of properly at a state approved disposal facility. The well will be drilled utilizing an open loop system. Drill cutting will be properly contained and reclaimed according to NMOCD guidelines.

Well pad proposed disturbance (acres): 5.76	**Well pad interim reclamation (acres):** 2.32	**Well pad long term disturbance (acres):** 3.44
Road proposed disturbance (acres): 0.67	**Road interim reclamation (acres):** 0.47	**Road long term disturbance (acres):** 0.2
Powerline proposed disturbance (acres): 9.96	**Powerline interim reclamation (acres):** 9.96	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres): 12.95	**Pipeline interim reclamation (acres):** 12.95	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 0	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 29.34	**Total interim reclamation:** 25.7	**Total long term disturbance:** 3.64

Disturbance Comments:

Reconstruction method: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling but will be recontoured to the above ratios during interim reclamation.
Topsoil redistribution: Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM seed mixture (BLM #2), free of noxious weeds, will be used.
Soil treatment: The interim reclamation will be monitored periodically to ensure that vegetation has reestablished

Existing Vegetation at the well pad: The objective of interim reclamation is to restore vegetative cover and a portion of the landform sufficient to maintain healthy, biologically active topsoil; control erosion; and minimize habitat and forage loss, visual impact, and weed infestation, during the life of the well or facilities0
Existing Vegetation at the well pad

Existing Vegetation Community at the road: The long-term objective of final reclamation is to return the land to a condition similar to what existed prior to disturbance. This includes restoration of the landform and natural vegetative community, hydrologic systems, visual resources, and wildlife habitats. To ensure that the long-term objective will be reached through human and natural processes, actions will be taken to ensure standards are met for site stability, visual quality, hydrological functioning, and vegetative productivity.
Existing Vegetation Community at the road

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Existing Vegetation Community at the pipeline: All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends in distinguishably with the surrounding landscape. Topsoil that was spread over the interim reclamation areas will be stockpiled prior to recontouring. The topsoil will be redistributed evenly over the entire disturbed site to ensure successful revegetation

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling but will be recontoured to the above ratios during interim reclamation.

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project?

Seedling transplant description

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: After all the disturbed areas have been properly prepared; the areas will be seeded with the proper BLM seed mixture (BLM #2), free of noxious weeds
Weed treatment plan

Monitoring plan description: All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends in distinguishably with the surrounding landscape. Topsoil that was spread over the interim reclamation areas will be over the entire disturbed site to ensure successful revegetation.
Monitoring plan

Success standards: Prior to final reclamation procedures, the well pad, road, and surrounding area will be cleared of material, trash, and equipment
Pit closure description: All surfacing material will be removed and returned to the original mineral pit or recycled to repair or build roads and well pads
Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: PIPELINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Disturbance type: WELL PAD

Describe:

Surface Owner: PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Surface use plan certification: YES

Surface use plan certification document:

Deficiency_Resolution_Letter_20231215093725_20240208105913.pdf
Limestone_SUCA_Memorandum_20231215093715_20240208105919.pdf

Surface access agreement or bond: AGREEMENT

Surface Access Agreement Need description: Please find attached to this letter a Memorandum of Surface Use and Compensation Agreement that provides certification of surface access agreement for off-lease access on private surface to satisfy a deficiency on ZN 27 22 Federal State Com.

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Disturbance type: NEW ACCESS ROAD

Describe:

Surface Owner: PRIVATE OWNERSHIP

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Surface use plan certification: YES

Surface use plan certification document:

Deficiency_Resolution_Letter_20231215093725_20240208085609.pdf
Limestone_SUCA_Memorandum_20231215093715_20240208085615.pdf

Surface access agreement or bond: AGREEMENT

Surface Access Agreement Need description: Please find attached to this letter a Memorandum of Surface Use and Compensation Agreement that provides certification of surface access agreement for off-lease access on private surface to satisfy a deficiency on ZN 27 22 Federal State Com.

Surface Access Bond BLM or Forest Service:

BLM Surface Access Bond number:

USFS Surface access bond number:

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Section 12 - Other

Right of Way needed? N **Use APD as ROW?**

ROW Type(s):

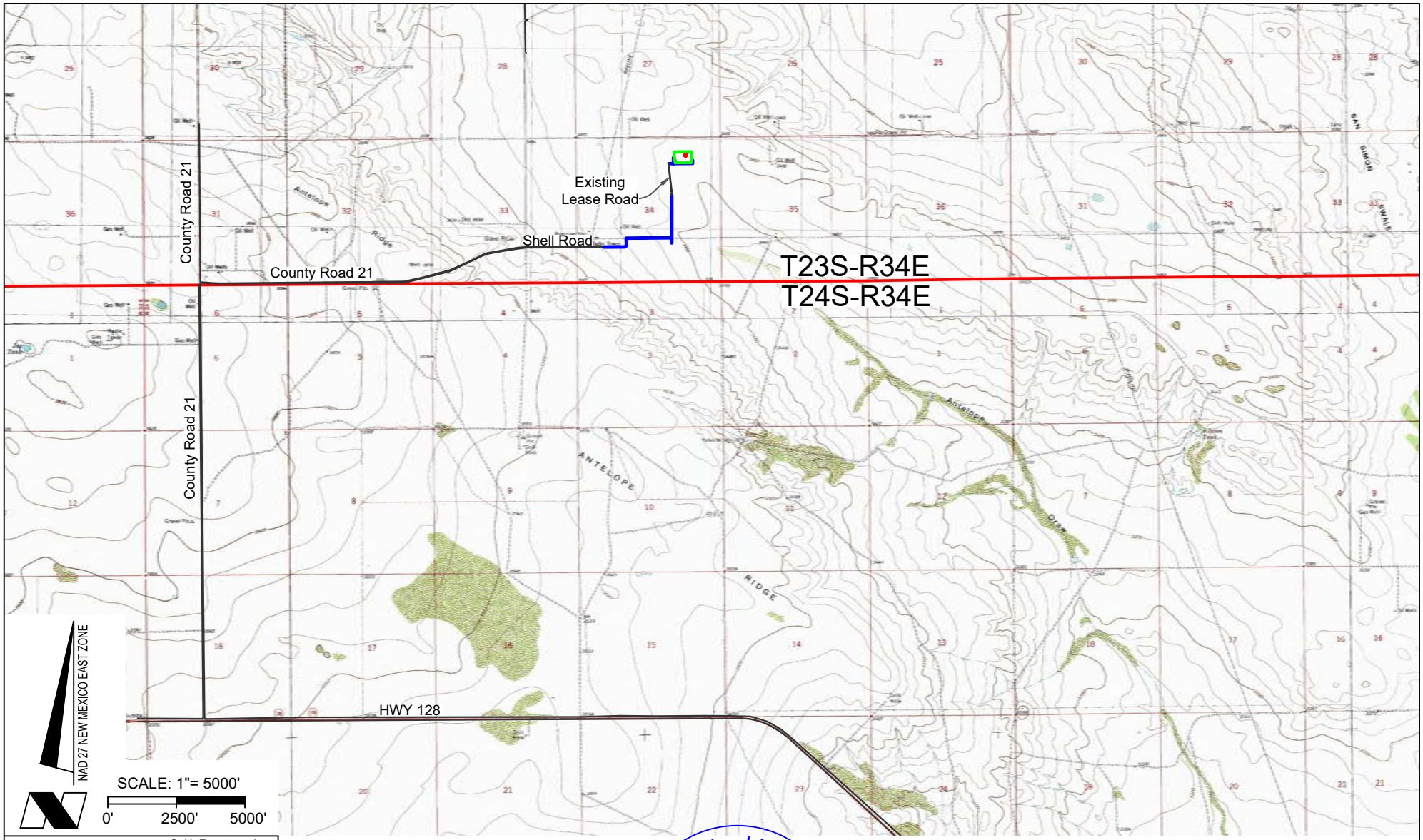
ROW

SUPO Additional Information:

Use a previously conducted onsite? N

Previous Onsite information:

Other SUPO



C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAME
01/29/2024 RMB	Revised Access Roads

DRAWN BY:LLL	PROJ. MGR.:GDG
DATE: 08/17/2022	
JOB#: 2225223.00C	SHEET 1 OF 1

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
01/31/2024

LEGEND

- Proposed Well
- Proposed Access Road
- Proposed Drillsite
- Existing Road
- Township/Range Line

ROAD PLAT
ZN 27 22 FED STATE COM NO. 203H WELL
CHEVRON U.S.A. INC.
LOCATED 650' FNL & 1267' FEL
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

R 34 E

T 23 S

Existing Access Road Edge

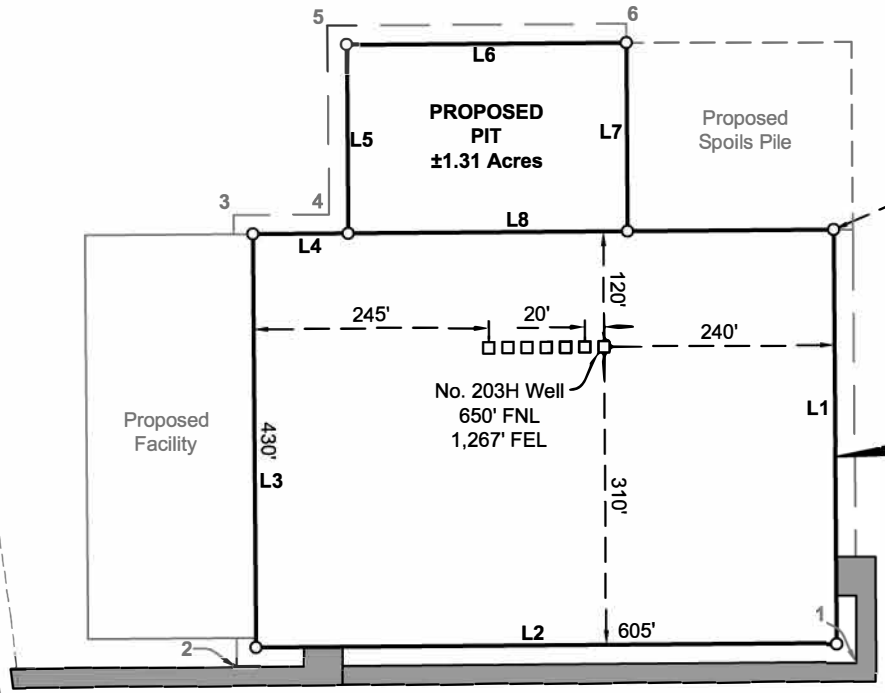
Fnd. 3/4" Iron Pipe with Cap
@ NW Corner of Section 34

Sec. 27 | Sec. 26

Sec. 35

Sec. 34

S 62° 11' 52" W 1,155.34'



NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 200'

0' 100' 200'

LEGEND

- Proposed Facility
- Proposed Pad/Pit
- Proposed Clear Limits
- Existing Pipeline
- Existing Road
- Section Line
- Fnd. Monument

Sec. 34

Limestone Basin Prop Ranch, LLC

Existing Pipeline

ZN 27 22 FED STATE COM 203H WELL
X = 772,113' (NAD27 NM E)
Y = 461,757'
LAT. 32.266418° N (NAD27)
LONG. 103.452995° W
X = 813,297' (NAD83/2011 NM E)
Y = 461,816'
LAT. 32.266541° N (NAD83/2011)
LONG. 103.453470° W
ELEV. +3455' (NAVD88)

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
9/19/2022 GDG	Extend Facility East

DRAWN BY: LLL	PROJ. MGR.: GDG
DATE: 08/16/2022	
JOB#: 2225223.00C	SHEET 1 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

09/20/2022

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

WELL PLAT
ZN 27 22 FED STATE COM
NO. 203H WELL
CHEVRON U.S.A. INC.
PROPOSED PAD AND ACCESS ROADS
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

T:\2022\2225223\DWG\ZN Acadia 27 22 Fed State Com P2_Well Plat 203H.dwg

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

NW PAD CORNER
X = 771,747' (NAD27 NM E)
Y = 461,874'
LAT. 32.266749° N (NAD27)
LONG. 103.454175° W
X = 812,931' (NAD83/2011 NM E)
Y = 461,933'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454651° W
ELEV. +3456' (NAVD88)

NE PAD CORNER
X = 772,352' (NAD27 NM E)
Y = 461,879'
LAT. 32.266748° N (NAD27)
LONG. 103.452218° W
X = 813,536' (NAD83/2011 NM E)
Y = 461,937'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452694° W
ELEV. +3455' (NAVD88)

NW PIT CORNER
X = 771,845' (NAD27 NM E)
Y = 462,071'
LAT. 32.267287° N (NAD27)
LONG. 103.453853° W
X = 813,029' (NAD83/2011 NM E)
Y = 462,130'
LAT. 32.267410° N (NAD83/2011)
LONG. 103.454329° W
ELEV. +3457' (NAVD88)

NE PIT CORNER
X = 772,136' (NAD27 NM E)
Y = 462,073'
LAT. 32.267287° N (NAD27)
LONG. 103.452911° W
X = 813,320' (NAD83/2011 NM E)
Y = 462,132'
LAT. 32.267410° N (NAD83/2011)
LONG. 103.453387° W
ELEV. +3456' (NAVD88)

SW PAD CORNER
X = 771,750' (NAD27 NM E)
Y = 461,444'
LAT. 32.265567° N (NAD27)
LONG. 103.454176° W
X = 812,935' (NAD83/2011 NM E)
Y = 461,503'
LAT. 32.265690° N (NAD83/2011)
LONG. 103.454652° W
ELEV. +3456' (NAVD88)

SE PAD CORNER
X = 772,355' (NAD27 NM E)
Y = 461,449'
LAT. 32.265566° N (NAD27)
LONG. 103.452219° W
X = 813,540' (NAD83/2011 NM E)
Y = 461,507'
LAT. 32.265689° N (NAD83/2011)
LONG. 103.452694° W
ELEV. +3455' (NAVD88)

SW PIT CORNER
X = 771,847' (NAD27 NM E)
Y = 461,875'
LAT. 32.266749° N (NAD27)
LONG. 103.453853° W
X = 813,031' (NAD83/2011 NM E)
Y = 461,934'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454329° W
ELEV. +3456' (NAVD88)

SE PIT CORNER
X = 772,138' (NAD27 NM E)
Y = 461,877'
LAT. 32.266748° N (NAD27)
LONG. 103.452912° W
X = 813,322' (NAD83/2011 NM E)
Y = 461,936'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.453388° W
ELEV. +3455' (NAVD88)

CLEAR LIMITS CORNER 1
X = 772,375' (NAD27 NM E)
Y = 461,429'
LAT. 32.265511° N (NAD27)
LONG. 103.452154° W
X = 813,560' (NAD83/2011 NM E)
Y = 461,488'
LAT. 32.265634° N (NAD83/2011)
LONG. 103.452630° W

CLEAR LIMITS CORNER 2
X = 771,731' (NAD27 NM E)
Y = 461,424'
LAT. 32.265512° N (NAD27)
LONG. 103.454241° W
X = 812,915' (NAD83/2011 NM E)
Y = 461,483'
LAT. 32.265635° N (NAD83/2011)
LONG. 103.454716° W

CLEAR LIMITS CORNER 3
X = 771,727' (NAD27 NM E)
Y = 461,894'
LAT. 32.266804° N (NAD27)
LONG. 103.454240° W
X = 812,911' (NAD83/2011 NM E)
Y = 461,953'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454716° W

CLEAR LIMITS CORNER 4
X = 771,826' (NAD27 NM E)
Y = 461,895'
LAT. 32.266804° N (NAD27)
LONG. 103.453918° W
X = 813,011' (NAD83/2011 NM E)
Y = 461,953'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454394° W

CLEAR LIMITS CORNER 5
X = 771,825' (NAD27 NM E)
Y = 462,091'
LAT. 32.267342° N (NAD27)
LONG. 103.453918° W
X = 813,009' (NAD83/2011 NM E)
Y = 462,149'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.454393° W

CLEAR LIMITS CORNER 6
X = 772,136' (NAD27 NM E)
Y = 462,093'
LAT. 32.267342° N (NAD27)
LONG. 103.452911° W
X = 813,320' (NAD83/2011 NM E)
Y = 462,152'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.453387° W

PROPOSED PAD

Line	Bearing	Distance
L1	SOUTH	430.00'
L2	WEST	605.00'
L3	NORTH	430.00'
L4	EAST	605.00'

PROPOSED PIT

Line	Bearing	Distance
L5	NORTH	196.00'
L6	EAST	291.00'
L7	SOUTH	196.00'
L8	WEST	291.00'

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

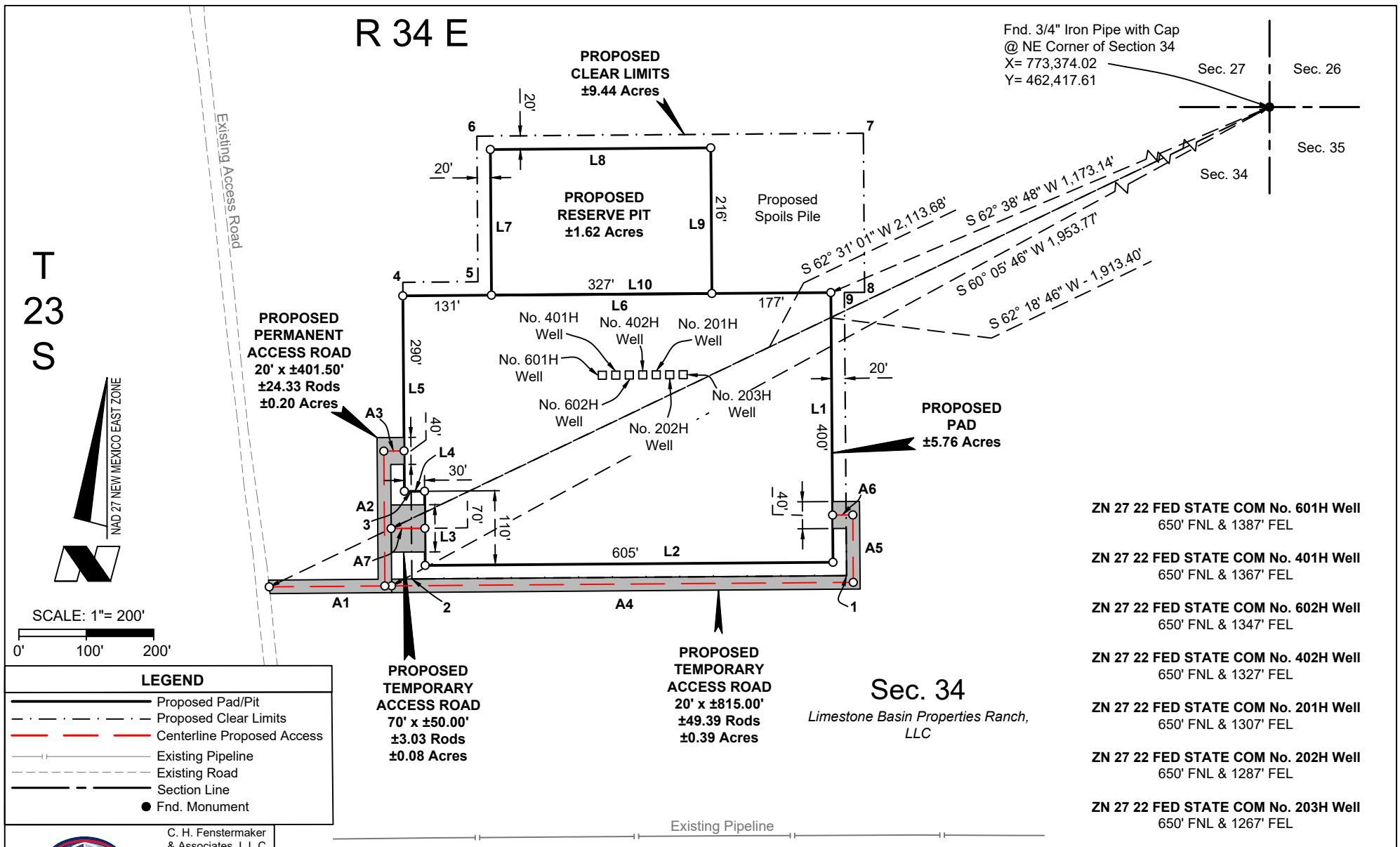
REVISIONS	
9/19/2022 GDG	Extend Facility East

DRAWN BY: LLL	PROJ. MGR.: GDG
DATE: 08/16/2022	
JOB#: 2225223.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF CHEVRON U.S.A. INC.
I, Robert Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.
09/29/2022
Robert Lastrapes
Professional Surveyor
Registration No. 23006

WELL PLAT
ZN 27 22 FED STATE COM NO. 203H WELL
CHEVRON U.S.A. INC.
PROPOSED PAD AND ACCESS ROADS
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

T:\2022\2225223\DWG\ZN Acadia 27 22 Fed State Com P2_Well Plat 203H.dwg



LEGEND

- Proposed Pad/Pit
- Proposed Clear Limits
- Centerline Proposed Access
- Existing Pipeline
- Existing Road
- Section Line
- Fnd. Monument

ZN 27 22 FED STATE COM No. 601H Well
650' FNL & 1387' FEL

ZN 27 22 FED STATE COM No. 401H Well
650' FNL & 1367' FEL

ZN 27 22 FED STATE COM No. 602H Well
650' FNL & 1347' FEL

ZN 27 22 FED STATE COM No. 402H Well
650' FNL & 1327' FEL

ZN 27 22 FED STATE COM No. 201H Well
650' FNL & 1307' FEL

ZN 27 22 FED STATE COM No. 202H Well
650' FNL & 1287' FEL

ZN 27 22 FED STATE COM No. 203H Well
650' FNL & 1267' FEL

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 1 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

NW PAD CORNER
X = 771,697.06' (NAD27 NM E)
Y = 461,873.71'
LAT. 32.266749° N (NAD27)
LONG. 103.454337° W
X = 812,881.29' (NAD83/2011 NM E)
Y = 461,932.44'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3457' (NAVD88)

NE PAD CORNER
X = 772,332.04' (NAD27 NM E)
Y = 461,878.58'
LAT. 32.266748° N (NAD27)
LONG. 103.452283° W
X = 813,516.28' (NAD83/2011 NM E)
Y = 461,937.32'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452758° W
ELEV. +3455' (NAVD88)

NW RESERVE PIT CORNER
X = 771,826.90' (NAD27 NM E)
Y = 462,090.71'
LAT. 32.267342° N (NAD27)
LONG. 103.453911° W
X = 813,011.12' (NAD83/2011 NM E)
Y = 462,149.45'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3457' (NAVD88)

NE RESERVE PIT CORNER
X = 772,153.89' (NAD27 NM E)
Y = 462,093.22'
LAT. 32.267342° N (NAD27)
LONG. 103.452853° W
X = 813,338.12' (NAD83/2011 NM E)
Y = 462,151.96'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3456 (NAVD88)

SW PAD CORNER A
X = 771,730.13' (NAD27 NM E)
Y = 461,473.95'
LAT. 32.265649° N (NAD27)
LONG. 103.454240° W
X = 812,914.37' (NAD83/2011 NM E)
Y = 461,532.67'
LAT. 32.265772° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

SW PAD CORNER B
X = 771,729.29' (NAD27 NM E)
Y = 461,583.95'
LAT. 32.265952° N (NAD27)
LONG. 103.454240° W
X = 812,913.52' (NAD83/2011 NM E)
Y = 461,642.67'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

SW PAD CORNER C
X = 771,699.29' (NAD27 NM E)
Y = 461,583.72'
LAT. 32.265952° N (NAD27)
LONG. 103.454337° W
X = 812,883.52' (NAD83/2011 NM E)
Y = 461,642.44'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3456' (NAVD88)

SE PAD CORNER
X = 772,335.11' (NAD27 NM E)
Y = 461,478.59'
LAT. 32.265649° N (NAD27)
LONG. 103.452283° W
X = 813,519.36' (NAD83/2011 NM E)
Y = 461,537.32'
LAT. 32.265771° N (NAD83/2011)
LONG. 103.452759° W
ELEV. +3455' (NAVD88)

SW RESERVE PIT CORNER
X = 771,828.56' (NAD27 NM E)
Y = 461,874.72'
LAT. 32.266749° N (NAD27)
LONG. 103.453911° W
X = 813,012.79' (NAD83/2011 NM E)
Y = 461,933.45'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3456 (NAVD88)

SE RESERVE PIT CORNER
X = 772,155.55' (NAD27 NM E)
Y = 461,877.23'
LAT. 32.266748° N (NAD27)
LONG. 103.452854° W
X = 813,339.78' (NAD83/2011 NM E)
Y = 461,935.96'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3455' (NAVD88)

CLEAR LIMITS CORNER 1
X = 772,355.27' (NAD27 NM E)
Y = 461,458.75'
LAT. 32.265594° N (NAD27)
LONG. 103.452219° W
X = 813,539.52' (NAD83/2011 NM E)
Y = 461,517.47'
LAT. 32.265716° N (NAD83/2011)
LONG. 103.452694° W

CLEAR LIMITS CORNER 2
X = 771,710.29' (NAD27 NM E)
Y = 461,453.80'
LAT. 32.265594° N (NAD27)
LONG. 103.454305° W
X = 812,894.52' (NAD83/2011 NM E)
Y = 461,512.52'
LAT. 32.265717° N (NAD83/2011)
LONG. 103.454781° W

CLEAR LIMITS CORNER 3
X = 771,709.29' (NAD27 NM E)
Y = 461,583.79'
LAT. 32.265952° N (NAD27)
LONG. 103.454305° W
X = 812,893.52' (NAD83/2011 NM E)
Y = 461,642.52'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454781° W

CLEAR LIMITS CORNER 4
X = 771,696.91' (NAD27 NM E)
Y = 461,893.71'
LAT. 32.266804° N (NAD27)
LONG. 103.454337° W
X = 812,881.13' (NAD83/2011 NM E)
Y = 461,952.44'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454813° W

CLEAR LIMITS CORNER 5
X = 771,808.41' (NAD27 NM E)
Y = 461,894.56'
LAT. 32.266804° N (NAD27)
LONG. 103.453976° W
X = 812,992.63' (NAD83/2011 NM E)
Y = 461,953.29'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454452° W

CLEAR LIMITS CORNER 6
X = 771,806.75' (NAD27 NM E)
Y = 462,110.56'
LAT. 32.267397° N (NAD27)
LONG. 103.453976° W
X = 812,990.97' (NAD83/2011 NM E)
Y = 462,169.29'
LAT. 32.267520° N (NAD83/2011)
LONG. 103.454452° W

CLEAR LIMITS CORNER 7
X = 772,380.23' (NAD27 NM E)
Y = 462,114.96'
LAT. 32.267397° N (NAD27)
LONG. 103.452120° W
X = 813,564.47' (NAD83/2011 NM E)
Y = 462,173.70'
LAT. 32.267519° N (NAD83/2011)
LONG. 103.452596° W

CLEAR LIMITS CORNER 8
X = 772,382.04' (NAD27 NM E)
Y = 461,878.96'
LAT. 32.266748° N (NAD27)
LONG. 103.452121° W
X = 813,566.28' (NAD83/2011 NM E)
Y = 461,937.70'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452597° W

CLEAR LIMITS CORNER 9
X = 772,352.04' (NAD27 NM E)
Y = 461,878.73'
LAT. 32.266748° N (NAD27)
LONG. 103.452218° W
X = 813,536.28' (NAD83/2011 NM E)
Y = 461,937.47'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452694° W

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards

DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 2 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

PROPOSED PAD		
Line	Bearing	Distance
L1	S 00° 26' 23" E	400.00'
L2	S 89° 33' 37" W	605.00'
L3	N 00° 26' 23" W	110.00'
L4	S 89° 33' 37" W	30.00'
L5	N 00° 26' 23" W	290.00'
L6	N 89° 33' 37" E	635.00'

PROPOSED PIT		
Line	Bearing	Distance
L7	N 00° 26' 23" W	216.00'
L8	N 89° 33' 37" E	327.00'
L9	S 00° 26' 23" E	216.00'
L10	S 89° 33' 37" W	327.00'

PROPOSED PERMANENT ACCESS ROAD CENTERLINE		
Line	Bearing	Distance
A1	N 89° 33' 37" E	171.50'
A2	N 00° 26' 23" W	200.00'
A3	N 89° 33' 37" E	30.00'

PROPOSED TEMPORARY ACCESS ROAD CENTERLINES		
Line	Bearing	Distance
A4	N 89° 33' 37" E	685.00'
A5	N 00° 26' 23" W	100.00'
A6	S 89° 33' 37" W	30.00'
A7	N 89° 33' 37" E	50.00'

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

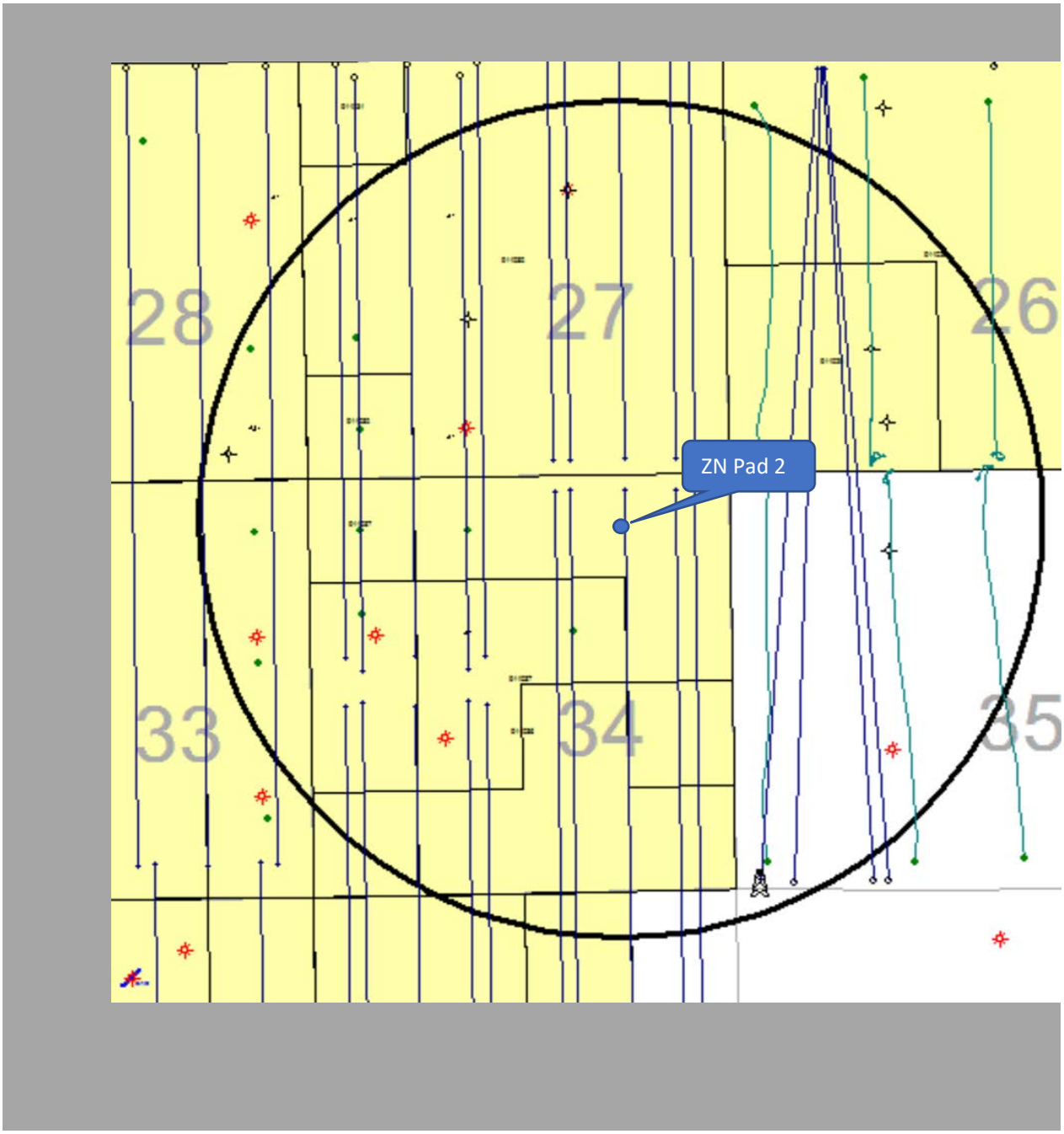
REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 3 OF 3

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
01/31/2024

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO


28
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ZN Pad 2
33
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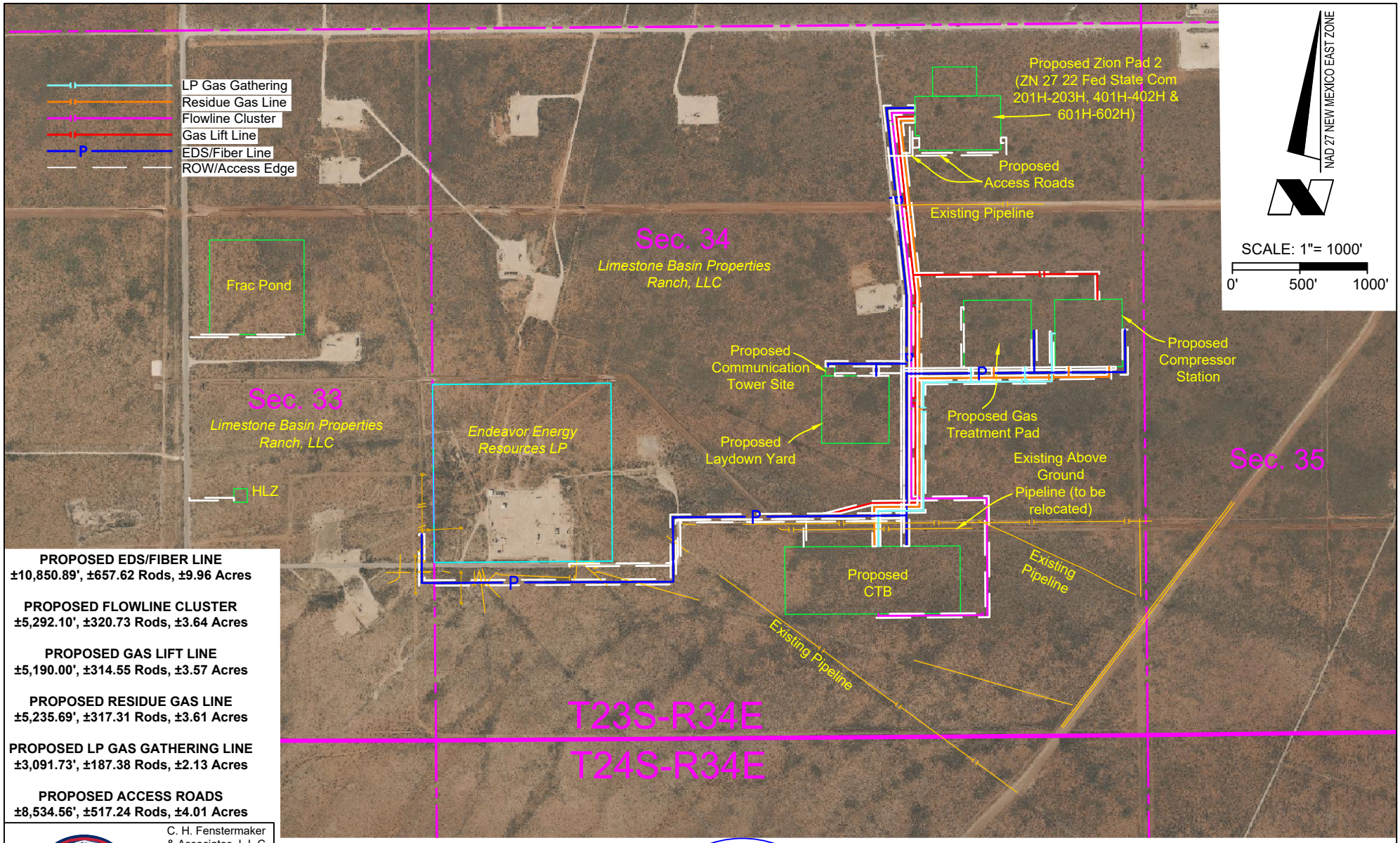

PROPOSED EDS/FIBER LINE
±10,850.89', ±657.62 Rods, ±9.96 Acres

PROPOSED FLOWLINE CLUSTER
±5,292.10', ±320.73 Rods, ±3.64 Acres

PROPOSED GAS LIFT LINE
±5,190.00', ±314.55 Rods, ±3.57 Acres

PROPOSED RESIDUE GAS LINE
±5,235.69', ±317.31 Rods, ±3.61 Acres

PROPOSED LP GAS GATHERING LINE
±3,091.73', ±187.38 Rods, ±2.13 Acres

PROPOSED ACCESS ROADS
±8,534.56', ±517.24 Rods, ±4.01 Acres

FENSTERMAKER
C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	

DRAWN BY: RMB	PROJ. MGR.: VHV
DATE: 02/07/2024	
JOB#: 2225223.00	SHEET 1 OF 1

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
02/07/2024
PROFESSIONAL SURVEYOR

WORK AREA DETAIL FOR THE ZION PAD 2 & FACILITIES

CHEVRON U.S.A. INC

SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 300'

0' 150' 300'

LEGEND

- Proposed Easement
- Proposed Temporary Workspace
- Proposed Gas Lift Line
- Proposed EDS/Fiber Line
- Proposed Flowline Cluster
- Proposed Residue Gas Line
- Proposed LP Gas Gathering Line
- Proposed Pad/Facility/Road
- Existing Pad/Access
- Section Line
- Existing Pipeline
- Proposed Grubbing Area

R 34 E

Sec. 27

Sec. 26

Fnd. 3/4" Iron Pipe w/Cap
@ NE Corner Sec. 34
X = 773,374.02' (NAD27 NM E)
Y = 462,417.61'

Fnd. 3/4" Iron Pipe w/Cap @
the NE Corner of Sec. 34 to
POINT OF BEGINNING
EDS/FIBER LINE (A) - S 69° 26' 09" W 1,790.39'
EDS/FIBER LINE (B) - S 34° 32' 15" W 3,066.07'
EDS/FIBER LINE (C) - S 37° 51' 33" W 3,199.01'
EDS/FIBER LINE (D) - S 33° 45' 59" W 3,127.52'
EDS/FIBER LINE (E) - S 16° 58' 41" W 2,710.89'
FLOWLINE CLUSTER (G) - S 68° 22' 50" W 1,802.86'
GAS LIFT LINE (I) - S 42° 08' 03" W 2,518.62'
RESIDUE GAS LINE (J) - S 66° 37' 59" W 1,825.27'
RESIDUE GAS LINE (K) - S 31° 57' 25" W 3,104.76'
RESIDUE GAS LINE (L) - S 22° 32' 09" W 2,847.45'
RESIDUE GAS LINE (M) - S 11° 32' 40" W 2,680.02'
LP GAS GATHERING (N) - S 15° 30' 44" W 2,388.57'

POINT OF ENDING
EDS/FIBER LINE (B) - N 42° 20' 59" E 3,444.56'
EDS/FIBER LINE (C) - N 36° 53' 29" E 3,270.53'
EDS/FIBER LINE (D) - N 02° 59' 53" E 2,275.72'
EDS/FIBER LINE (E) - N 19° 13' 04" E 2,412.17'
GAS LIFT LINE (H) - N 67° 30' 24" E 1,813.79'
GAS LIFT LINE (I) - N 08° 59' 00" E 2,074.61'
RESIDUE GAS LINE (K) N 05° 18' 40" E 2,559.50'
RESIDUE GAS LINE (L) - N 23° 08' 22" E 2,778.56'
RESIDUE GAS LINE (M) - N 11° 53' 12" E 2,606.69'
LP GAS GATHERING LINE (O) - N 26° 16' 21" E 2,850.82'
LP GAS GATHERING LINE (P) - N 18° 39' 10" E 2,694.83'

T 23 S

Sec. 35

PROPOSED EASEMENTS TO CONTAIN:

40' WIDE EDS/FIBER LINE
±10,850.89', ±657.62 Rods, ±9.96 Acres
A1-A3 (A)
B1-B2(B)
C1 (C)
D1-D2 (D)
E1 (E)
F1-F4 (F)
(See Page 5 of 7)
20' WIDE TEMPORARY WORKSPACE
±2.42 Acres

30' WIDE FLOWLINE CLUSTER
±5,292.10', ±320.73 Rods, ±3.64 Acres
G1-G7 (G)
(See Page 5 of 7)
20' WIDE TEMPORARY WORKSPACE
±2.32 Acres

30' WIDE GAS LIFT LINE
±5,190.00', ±314.55 Rods, ±3.57 Acres
H1-H5 (H)
I1-I2 (I)
(See Page 5 of 7)
20' WIDE TEMPORARY WORKSPACE
±0.71 Acres

30' WIDE RESIDUE GAS LINE
±5,235.69', ±317.31 Rods, ±3.61 Acres
J1-J6 (J)
K1-K2 (K)
L1 (L)
M1 (M)
(See Page 5 of 7)
20' WIDE TEMPORARY WORKSPACE
±0.98 Acres

30' WIDE LP GAS GATHERING LINE
±3,091.73', ±187.38 Rods, ±2.13 Acres
N1-N7 (N)
O1 (O)
P1 (P)
(See Page 5 of 7)

Proposed Reserve Pit

Proposed Acadia Pad 2

See Inset "A" Page 3

See Inset "C" Page 4

See Inset "D" Page 4

See Inset "B" Page 3

Existing Pronghorn State #001 Pad

Proposed Flare

Proposed Gas Treatment Pad

Proposed Compressor Station

Proposed Tower Site

Proposed Laydown Yard

Existing Above Ground Pipeline (to be relocated)

Proposed CTB

Proposed Flare

P.O.B. (I)
P.O.E. (I)
P.O.E. (E)
P.O.B. (N)
P.O.E. (D)
P.O.B. (B)
P.O.B. (C)
P.O.E. (O)
P.O.E. (L)
P.O.E. (P)
P.O.E. (M)
P.O.E. (K)
P.O.E. (B)
P.O.E. (C)
P.O.B. (D)
P.O.B. (K)
P.O.B. (O)
P.O.B. (L)
P.O.B. (P)
P.O.E. (E)
P.O.B. (M)
P.O.B. (H)
P.O.E. (G)

40' 30'

Sec. 34

Limestone Basin
Properties Ranch, LLC

MATCH LINE
PAGE 2 OF 7

Fnd. 1" Iron Pipe w/Cap @
the SE Corner of Sec. 34 to
POINT OF BEGINNING
GAS LIFT LINE (H) - N 54° 55' 07" W 2,859.43'
LP GAS GATHERING LINE (O) - N 26° 35' 27" W 2,927.05'
LP GAS GATHERING LINE (P) - N 19° 09' 15" W 2,774.06'

POINT OF ENDING
EDS FIBER LINE (A) S 51° 55' 54" E 2,270.37'
EDS/FIBER LINE (F) - S 47° 40' 43" E 2,417.43'
FLOWLINE CLUSTER (G) S 65° 45' 37" E 2,188.84'
RESIDUE GAS LINE (J) S 55° 23' 10" E 2,461.82'
LP GAS GATHERING LINE (N) S 54° 58' 55" E 2,437.32'

T23S-R34E
T24S-R34E
Sec. 3
Sec. 2

Fnd. 1" Iron Pipe w/Cap
@ SE Corner of Sec. 34
X = 773,423.12 (NAD27 NM E)
Y = 457,138.86

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
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REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision

DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 1 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

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LEGEND

- Proposed Easement
- Proposed Temporary Workspace
- Proposed EDS/Fiber Line
- Proposed Pad/Facility/Road
- Existing Pad/Access
- Section Line
- Existing Pipeline
- Existing Fence
- Existing Powerline

R 34 E

NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 300'

0' 150' 300'

Sec. 33
Limestone Basin Properties Ranch, LLC

Sec. 34
Limestone Basin Properties Ranch, LLC

T 23 S

Endeavor Energy Resources LP

P.O.B. (F) @ EXISTING GUY ANCHOR

N 03° 57' 45" W 1,534.06'

T23S-R34E
T24S-R34E

Sec. 4
Sec. 3

Fnd. 2" Iron Pipe w/Cap
@ SW Corner of Sec. 34
X = 768,146.49 (NAD27 NM E)
Y = 457,098.71

MATCH LINE PAGE 1 OF 7

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 2 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

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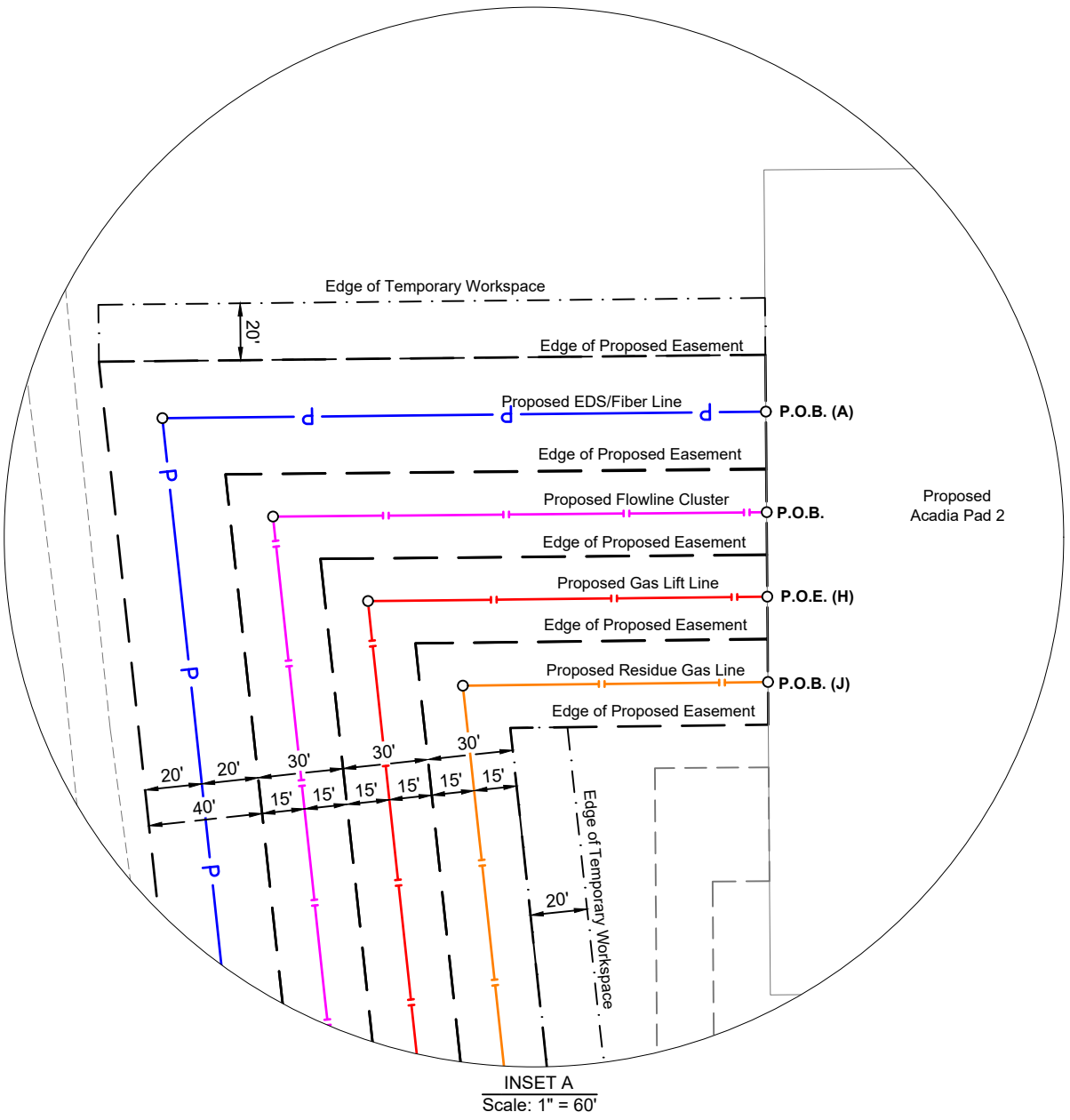
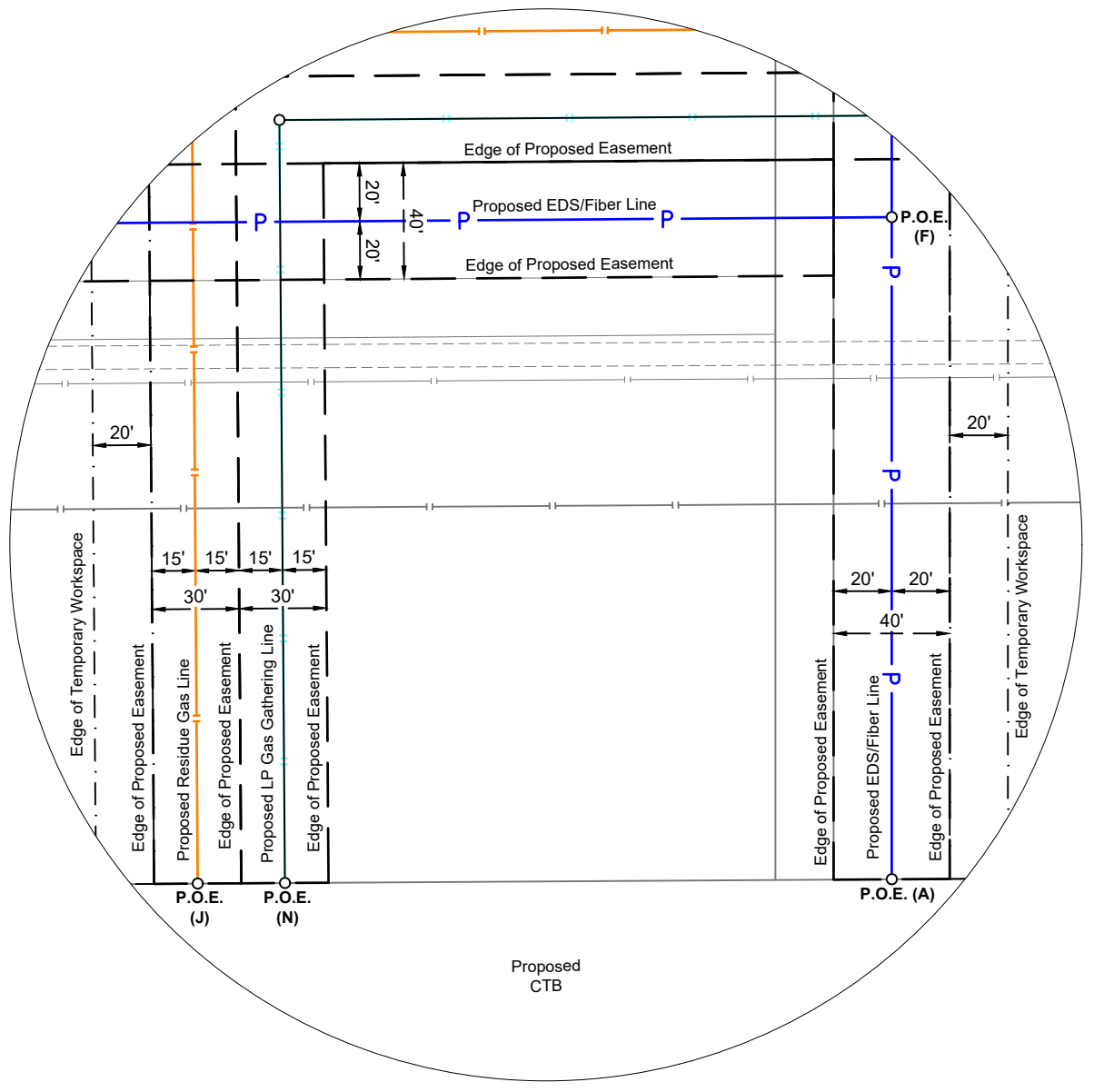


INSET A
Scale: 1" = 60'



INSET B
Scale: 1" = 60'

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 3 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

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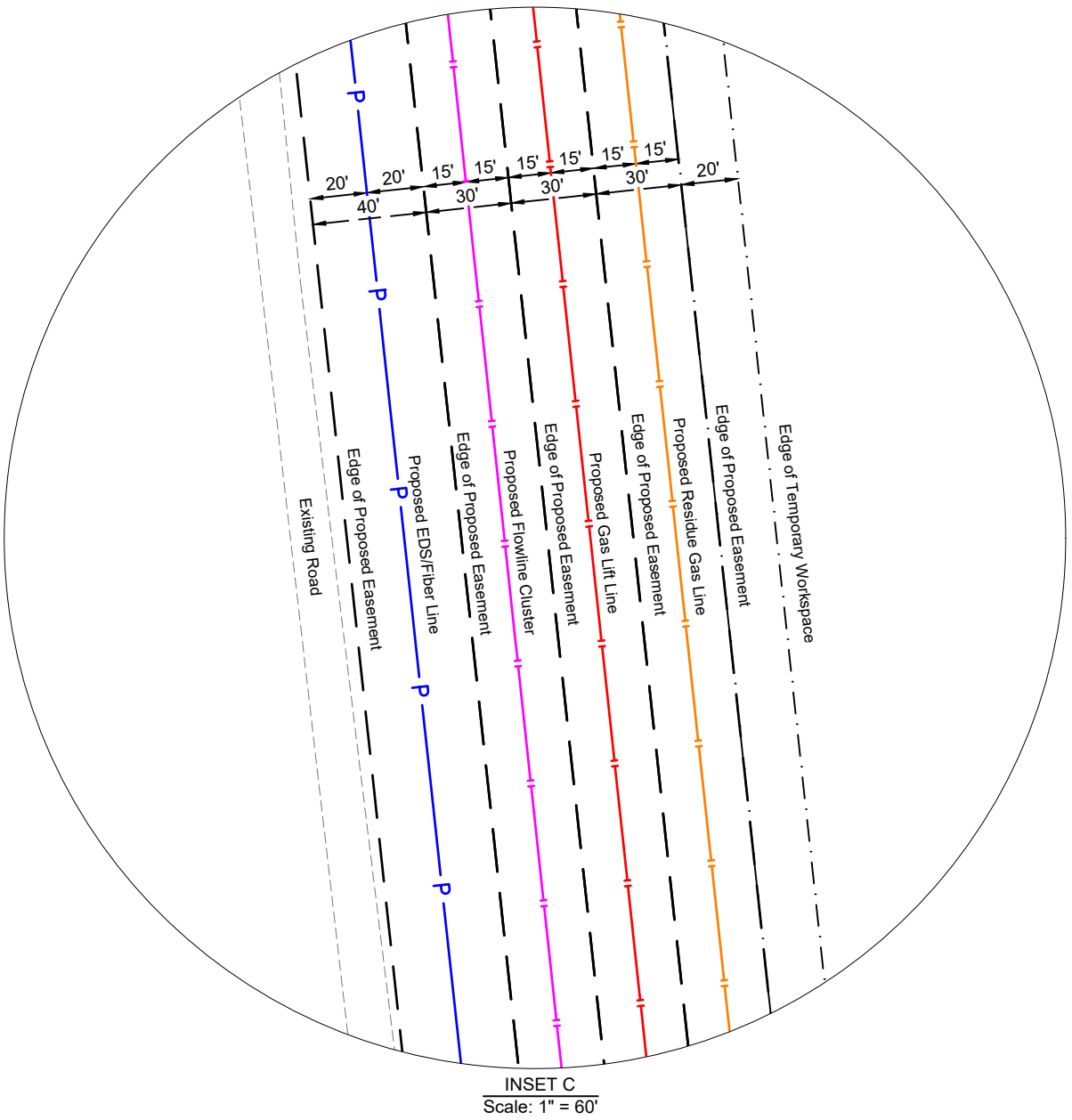
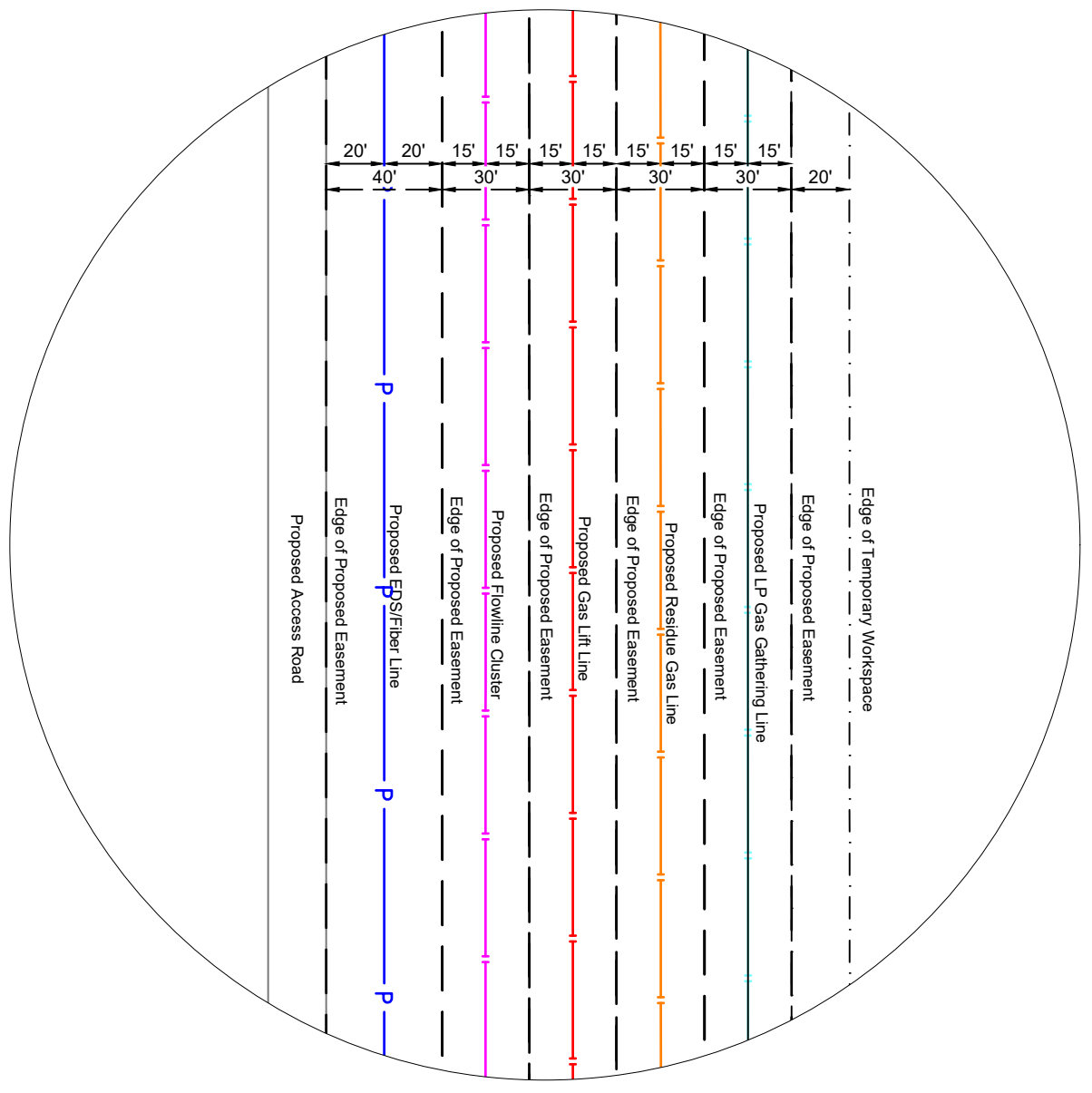


INSET C
Scale: 1" = 60'



INSET D
Scale: 1" = 60'

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REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision

DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 4 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

T:\2022\2225508\DWG\Zion Pipeline-EDS Plat.dwg

POINT OF BEGINNING EDS/FIBER LINE (A)
X = 771,697.72' (NAD27 NM E)
Y = 461,788.72'
LAT. 32.266515° N (NAD27)
LONG. 103.454337° W
X = 812,881.94' (NAD83/2011 NM E)
Y = 461,847.45'
LAT. 32.266638° N (NAD83/2011)
LONG. 103.454813° W

POINT OF ENDING EDS/FIBER LINE (A)
X = 771,635.72' (NAD27 NM E)
Y = 458,538.77'
LAT. 32.257584° N (NAD27)
LONG. 103.454624° W
X = 812,820.01' (NAD83/2011 NM E)
Y = 458,597.42'
LAT. 32.257707° N (NAD83/2011)
LONG. 103.455099° W

POINT OF BEGINNING EDS/FIBER LINE (B)
X = 771,635.72' (NAD27 NM E)
Y = 459,891.92'
LAT. 32.261303° N (NAD27)
LONG. 103.454588° W
X = 812,819.98' (NAD83/2011 NM E)
Y = 459,950.60'
LAT. 32.261426° N (NAD83/2011)
LONG. 103.455063° W

POINT OF ENDING EDS/FIBER LINE (B)
X = 771,053.57' (NAD27 NM E)
Y = 459,871.92'
LAT. 32.261261° N (NAD27)
LONG. 103.456471° W
X = 812,237.83' (NAD83/2011 NM E)
Y = 459,930.59'
LAT. 32.261384° N (NAD83/2011)
LONG. 103.456947° W

POINT OF BEGINNING EDS/FIBER LINE (C)
X = 771,410.72' (NAD27 NM E)
Y = 459,891.92'
LAT. 32.261308° N (NAD27)
LONG. 103.455316° W
X = 812,594.98' (NAD83/2011 NM E)
Y = 459,950.60'
LAT. 32.261431° N (NAD83/2011)
LONG. 103.455791° W

POINT OF ENDING EDS/FIBER LINE (C)
X = 771,410.72' (NAD27 NM E)
Y = 459,801.92'
LAT. 32.261061° N (NAD27)
LONG. 103.455318° W
X = 812,594.98' (NAD83/2011 NM E)
Y = 459,860.60'
LAT. 32.261184° N (NAD83/2011)
LONG. 103.455794° W

POINT OF BEGINNING EDS/FIBER LINE (D)
X = 771,635.72' (NAD27 NM E)
Y = 459,817.67'
LAT. 32.261099° N (NAD27)
LONG. 103.454590° W
X = 812,819.98' (NAD83/2011 NM E)
Y = 459,876.35'
LAT. 32.261222° N (NAD83/2011)
LONG. 103.455065° W

POINT OF ENDING EDS/FIBER LINE (D)
X = 773,255.00' (NAD27 NM E)
Y = 460,145.00'
LAT. 32.261962° N (NAD27)
LONG. 103.449343° W
X = 814,439.29' (NAD83/2011 NM E)
Y = 460,203.71'
LAT. 32.262085° N (NAD83/2011)
LONG. 103.449819° W

POINT OF BEGINNING EDS/FIBER LINE (E)
X = 772,582.42' (NAD27 NM E)
Y = 459,824.87'
LAT. 32.261097° N (NAD27)
LONG. 103.451527° W
X = 813,766.71' (NAD83/2011 NM E)
Y = 459,883.56'
LAT. 32.261220° N (NAD83/2011)
LONG. 103.452003° W

POINT OF ENDING EDS/FIBER LINE (E)
X = 772,580.02' (NAD27 NM E)
Y = 460,139.86'
LAT. 32.261963° N (NAD27)
LONG. 103.451527° W
X = 813,764.31' (NAD83/2011 NM E)
Y = 460,198.56'
LAT. 32.262086° N (NAD83/2011)
LONG. 103.452002° W

POINT OF BEGINNNG EDS/FIBER LINE (F)
X = 768,040.48' (NAD27 NM E)
Y = 458,629.11'
LAT. 32.257912° N (NAD27)
LONG. 103.466250° W
X = 809,224.69' (NAD83/2011 NM E)
Y = 458,687.71'
LAT. 32.258035° N (NAD83/2011)
LONG. 103.466726° W

POINT OF ENDING EDS/FIBER LINE (F)
X = 771,635.72' (NAD27 NM E)
Y = 458,766.49'
LAT. 32.258210° N (NAD27)
LONG. 103.454618° W
X = 812,820.01' (NAD83/2011 NM E)
Y = 458,825.14'
LAT. 32.258332° N (NAD83/2011)
LONG. 103.455093° W

POINT OF BEGINNING FLOWLINE CLUSTER (G)
X = 771,697.99' (NAD27 NM E)
Y = 461,753.36'
LAT. 32.266418° N (NAD27)
LONG. 103.454337° W
X = 812,882.21' (NAD83/2011 NM E)
Y = 461,812.09'
LAT. 32.266541° N (NAD83/2011)
LONG. 103.454813° W

POINT OF ENDING FLOWLINE CLUSTER (G)
X = 771,427.25' (NAD27 NM E)
Y = 458,037.50'
LAT. 32.256211° N (NAD27)
LONG. 103.455311° W
X = 812,611.55' (NAD83/2011 NM E)
Y = 458,096.13'
LAT. 32.256333° N (NAD83/2011)
LONG. 103.455787° W

POINT OF BEGINNING GAS LIFT LINE (H)
X = 771,083.15' (NAD27 NM E)
Y = 458,782.28'
LAT. 32.258265° N (NAD27)
LONG. 103.456404° W
X = 812,267.42' (NAD83/2011 NM E)
Y = 458,840.93'
LAT. 32.258388° N (NAD83/2011)
LONG. 103.456880° W

POINT OF ENDING GAS LIFT LINE (H)
X = 771,698.21' (NAD27 NM E)
Y = 461,723.70'
LAT. 32.266337° N (NAD27)
LONG. 103.454337° W
X = 812,882.44' (NAD83/2011 NM E)
Y = 461,782.42'
LAT. 32.266459° N (NAD83/2011)
LONG. 103.454813° W

POINT OF BEGINNING GAS LIFT LINE (I)
X = 771,684.34' (NAD27 NM E)
Y = 460,549.86'
LAT. 32.263110° N (NAD27)
LONG. 103.454413° W
X = 812,868.60' (NAD83/2011 NM E)
Y = 460,608.56'
LAT. 32.263233° N (NAD83/2011)
LONG. 103.454889° W

POINT OF ENDING GAS LIFT LINE (I)
X = 773,050.08' (NAD27 NM E)
Y = 460,368.45'
LAT. 32.262581° N (NAD27)
LONG. 103.450000° W
X = 814,234.36' (NAD83/2011 NM E)
Y = 460,427.16'
LAT. 32.262704° N (NAD83/2011)
LONG. 103.450476° W

POINT OF BEGINNING RESIDUE GAS LINE (J)
X = 771,698.44' (NAD27 NM E)
Y = 461,693.68'
LAT. 32.266254° N (NAD27)
LONG. 103.454337° W
X = 812,882.67' (NAD83/2011 NM E)
Y = 461,752.40'
LAT. 32.266377° N (NAD83/2011)
LONG. 103.454813° W

POINT OF ENDING RESIDUE GAS LINE (J)
X = 771,397.04' (NAD27 NM E)
Y = 458,537.28'
LAT. 32.257585° N (NAD27)
LONG. 103.455396° W
X = 812,581.33' (NAD83/2011 NM E)
Y = 458,595.92'
LAT. 32.257708° N (NAD83/2011)
LONG. 103.455871° W

POINT OF BEGINNING RESIDUE GAS LINE (K)
X = 771,730.72' (NAD27 NM E)
Y = 459,783.39'
LAT. 32.261003° N (NAD27)
LONG. 103.454283° W
X = 812,914.99' (NAD83/2011 NM E)
Y = 459,842.07'
LAT. 32.261125° N (NAD83/2011)
LONG. 103.454759° W

POINT OF ENDING RESIDUE GAS LINE (K)
X = 773,137.09' (NAD27 NM E)
Y = 459,869.10'
LAT. 32.261206° N (NAD27)
LONG. 103.449732° W
X = 814,321.39' (NAD83/2011 NM E)
Y = 459,927.79'
LAT. 32.261329° N (NAD83/2011)
LONG. 103.450207° W

POINT OF BEGINNING RESIDUE GAS LINE (L)
X = 772,282.70' (NAD27 NM E)
Y = 459,787.59'
LAT. 32.261002° N (NAD27)
LONG. 103.452498° W
X = 813,466.98' (NAD83/2011 NM E)
Y = 459,846.28'
LAT. 32.261125° N (NAD83/2011)
LONG. 103.452973° W

POINT OF ENDING RESIDUE GAS LINE (L)
X = 772,282.13' (NAD27 NM E)
Y = 459,862.58'
LAT. 32.261208° N (NAD27)
LONG. 103.452498° W
X = 813,466.41' (NAD83/2011 NM E)
Y = 459,921.27'
LAT. 32.261331° N (NAD83/2011)
LONG. 103.452973° W

POINT OF BEGINNING RESIDUE GAS LINE (M)
X = 772,837.67' (NAD27 NM E)
Y = 459,791.81'
LAT. 32.261001° N (NAD27)
LONG. 103.450703° W
X = 814,021.96' (NAD83/2011 NM E)
Y = 459,850.51'
LAT. 32.261124° N (NAD83/2011)
LONG. 103.451178° W

POINT OF ENDING RESIDUE GAS LINE (M)
X = 772,837.10' (NAD27 NM E)
Y = 459,866.81'
LAT. 32.261207° N (NAD27)
LONG. 103.450702° W
X = 814,021.39' (NAD83/2011 NM E)
Y = 459,925.51'
LAT. 32.261330° N (NAD83/2011)
LONG. 103.451178° W

POINT OF BEGINNING LP GAS GATHERING LINE (N)
X = 772,735.20' (NAD27 NM E)
Y = 460,116.04'
LAT. 32.261894° N (NAD27)
LONG. 103.451025° W
X = 813,919.49' (NAD83/2011 NM E)
Y = 460,174.74'
LAT. 32.262017° N (NAD83/2011)
LONG. 103.451501° W

POINT OF ENDING LP GAS GATHERING LINE (N)
X = 771,427.02' (NAD27 NM E)
Y = 458,537.48'
LAT. 32.257585° N (NAD27)
LONG. 103.455299° W
X = 812,611.31' (NAD83/2011 NM E)
Y = 458,596.13'
LAT. 32.257708° N (NAD83/2011)
LONG. 103.455774° W

POINT OF BEGINNING LP GAS GATHERING LINE (O)
X = 772,112.93' (NAD27 NM E)
Y = 459,756.30'
LAT. 32.260920° N (NAD27)
LONG. 103.453048° W
X = 813,297.21' (NAD83/2011 NM E)
Y = 459,814.98'
LAT. 32.261042° N (NAD83/2011)
LONG. 103.453523° W

POINT OF ENDING LP GAS GATHERING LINE (O)
X = 772,112.13' (NAD27 NM E)
Y = 459,861.29'
LAT. 32.261208° N (NAD27)
LONG. 103.453048° W
X = 813,296.41' (NAD83/2011 NM E)
Y = 459,919.97'
LAT. 32.261331° N (NAD83/2011)
LONG. 103.453523° W

POINT OF BEGINNING LP GAS GATHERING LINE (P)
X = 772,512.92' (NAD27 NM E)
Y = 459,759.34'
LAT. 32.260919° N (NAD27)
LONG. 103.451754° W
X = 813,697.21' (NAD83/2011 NM E)
Y = 459,818.03'
LAT. 32.261042° N (NAD83/2011)
LONG. 103.452229° W

POINT OF ENDING LP GAS GATHERING LINE (P)
X = 772,512.12' (NAD27 NM E)
Y = 459,864.33'
LAT. 32.261207° N (NAD27)
LONG. 103.451754° W
X = 813,696.40' (NAD83/2011 NM E)
Y = 459,923.02'
LAT. 32.261330° N (NAD83/2011)
LONG. 103.452229° W

PROPOSED CL OF 40' EDS/FIBER LINE (A)

Line	Bearing	Distance
A1	S 89° 23' 01" W	212.21'
A2	S 06° 09' 41" E	1399.40'
A3	SOUTH	1856.36'

PROPOSED CL OF 40' EDS/FIBER LINE (B)

Line	Bearing	Distance
B1	WEST	582.14'
B2	SOUTH	20.00'

PROPOSED CL OF 40' EDS/FIBER LINE (C)

Line	Bearing	Distance
C1	SOUTH	90.00'

PROPOSED CL OF 40' EDS/FIBER LINE (D)

Line	Bearing	Distance
D1	N 89° 33' 51" E	1621.72'
D2	N 00° 26' 09" W	315.00'

PROPOSED CL OF 40' EDS/FIBER LINE (E)

Line	Bearing	Distance
E1	N 00° 26' 09" W	315.00'

PROPOSED CL OF 40' EDS/FIBER LINE (F)

Line	Bearing	Distance
F1	S 00° 08' 55" E	362.83'
F2	N 89° 43' 46" E	1865.10'
F3	N 00° 26' 09" W	478.23'
F4	N 89° 33' 51" E	1732.90'

PROPOSED CL OF 30' FLOWLINE CLUSTER (G)

Line	Bearing	Distance
G1	S 89° 29' 33" W	173.58'
G2	S 06° 09' 41" E	1363.16'
G3	S 00° 00' 15" W	1504.85'
G4	N 89° 34' 49" E	559.15'
G5	S 00° 22' 30" E	868.27'
G6	S 89° 38' 32" W	808.09'
G7	N 00° 21' 28" W	15.00'

PROPOSED CL OF 30' GAS LIFT LINE (H)

Line	Bearing	Distance
H1	N 75° 18' 23" E	304.63'
H2	N 89° 34' 49" E	322.91'
H3	NORTH	1536.30'
H4	N 06° 09' 42" W	1331.59'
H5	N 89° 21' 19" E	140.43'

PROPOSED CL OF 30' GAS LIFT LINE (I)

Line	Bearing	Distance
I1	N 89° 39' 38" E	1364.63'
I2	S 00° 20' 22" E	189.51'

PROPOSED CL OF 30' RESIDUE GAS LINE (J)

Line	Bearing	Distance
J1	S 89° 19' 35" W	107.28'
J2	S 06° 09' 42" E	1300.09'
J3	SOUTH	606.44'
J4	S 00° 01' 32" E	961.26'
J5	S 89° 34' 55" W	336.24'
J6	S 00° 25' 05" E	292.41'

PROPOSED CL OF 30' RESIDUE GAS LINE (K)

Line	Bearing	Distance
K1	N 89° 33' 51" E	1406.98'
K2	N 00° 26' 09" W	75.00'

PROPOSED CL OF 30' RESIDUE GAS LINE (L)

Line	Bearing	Distance
L1	N 00° 26' 09" W	74.99'

PROPOSED CL OF 30' RESIDUE GAS LINE (M)

Line	Bearing	Distance
M1	N 00° 26' 09" W	75.00'

PROPOSED CL OF 30' LP GAS GATHERING LINE (N)

Line	Bearing	Distance
N1	S 89° 34' 55" W	25.00'
N2	S 00° 25' 05" E	180.00'
N3	S 00° 25' 05" E	175.01'
N4	S 89° 33' 51" W	951.98'
N5	S 00° 01' 08" E	951.28'
N6	S 89° 34' 55" W	336.06'
N7	S 00° 25' 07" E	262.42'

PROPOSED CL OF 30' LP GAS GATHERING LINE (O)

Line	Bearing	Distance
O1	N 00° 26' 09" W	104.99'

PROPOSED CL OF 30' LP GAS GATHERING LINE (P)

Line	Bearing	Distance
P1	N 00° 26' 09" W	104.99'

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REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 5 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

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**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (A) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (A)

Survey of a proposed EDS/Fiber easement (A), centerline to be 3,467.97 feet or 210.18 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 69 degrees 26 minutes 09 seconds West 1,790.39 feet to the **Point of Beginning,** having the following coordinates: X= 771,697.72 and Y= 461,788.72 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 89 degrees 23 minutes 01 seconds West 212.21 feet to a point;
Thence South 06 degrees 09 minutes 41 seconds East 1,399.40 feet to a point;

Thence South 1,856.36 feet to the **Point of Ending**, having the following coordinates X=771,635.72 and Y=458,538.77 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (B) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (B)

Survey of a proposed EDS/Fiber easement (B), centerline to be 602.14 feet or 36.49 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 34 degrees 32 minutes 15 seconds West 3,066.07 feet to the **Point of Beginning,** having the following coordinates: X= 771,635.72 and Y= 459,891.92 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence West 582.14 feet to a point;

Thence South 20.00 feet to the **Point of Ending**, having the following coordinates X=771,053.57 and Y=459,871.92 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (C) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (C)

Survey of a proposed EDS/Fiber easement (C), centerline to be 90.00 feet or 5.45 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 37 degrees 51 minutes 33 seconds West 3,199.01 feet to the **Point of Beginning,** having the following coordinates: X= 771,410.72 and Y= 459,891.92 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 90.00 feet to the **Point of Ending**, having the following coordinates X=771,410.72 and Y=459,801.92 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (D) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (D)

Survey of a proposed EDS/Fiber easement (D), centerline to be 1.936.72 feet or 117.38 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 33 degrees 45 minutes 59 seconds West 3,127.52 feet to the **Point of Beginning,** having the following coordinates: X= 771,635.72 and Y= 459,817.67 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 89 degrees 33 minutes 51 seconds East 1,621.72 feet to a point;

Thence North 00 degrees 26 minutes 09 seconds West 315.00 feet to the **Point of Ending**, having the following coordinates X=773,255.00 and Y=460,145.00 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (E) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (E)

Survey of a proposed EDS/Fiber easement (E), centerline to be 315.00 feet or 19.09 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 16 degrees 58 minutes 41 seconds West 2,710.89 feet to the **Point of Beginning,** having the following coordinates: X= 772,582.42 and Y= 459,824.87 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 00 degrees 26 minutes 09 seconds West 315.00 feet to the **Point of Ending**, having the following coordinates X=772,580.02 and Y=460,139.86 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED EDS/FIBER EASEMENT (F) LOCATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED EDS/FIBER EASEMENT (F)

Survey of a proposed EDS/Fiber easement (F), centerline to be 4,439.06 feet or 269.03 rods, more or less, located within Sections 33 & 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 2" Iron Pipe w/Cap at the Southwest corner of said Section 34, **Thence** North 03 degrees 57 minutes 45 seconds West 1,534.06 feet to the **Point of Beginning,** having the following coordinates: X= 768,040.48 and Y= 458,629.11 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 00 degrees 08 minutes 55 seconds East 362.83 feet to a point;
Thence North 89 degrees 43 minutes 46 seconds East 1,865.10 feet to a point;
Thence North 00 degrees 26 minutes 09 seconds West 478.23 feet to a point;

Thence North 89 degrees 33 minutes 51 seconds East 1,732.90 feet to the **Point of Ending**, having the following coordinates X=771,635.72 and Y=458,766.49 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an eds/fiber easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED FLOWLINE EASEMENT (G) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED FLOWLINE EASEMENT (G)

Survey of a proposed flowline easement (G), centerline to be 5,292.10 feet or 320.73 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 68 degrees 22 minutes 50 seconds West 1,802.86 feet to the **Point of Beginning,** having the following coordinates: X= 771,697.99 and Y= 461,753.36 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 89 degrees 29 minutes 33 seconds West 173.58 feet to a point;
Thence South 06 degrees 09 minutes 41 seconds East 1,363.16 feet to a point;
Thence South 00 degrees 00 minutes 15 seconds West 1,504.85 feet to a point;
Thence North 89 degrees 34 minutes 49 seconds East 559.15 feet to a point;
Thence South 00 degrees 22 minutes 30 seconds East 868.27 feet to a point;
Thence South 89 degrees 38 minutes 32 seconds West 808.09 feet to a point;

Thence North 00 degrees 21 minutes 28 seconds West 15.00 feet to the **Point of Ending**, having the following coordinates X=771,427.25 and Y=458,037.50 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a flowline easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED GAS LIFT EASEMENT (H) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED GAS LIFT EASEMENT (H)

Survey of a proposed gas lift easement (H), centerline to be 3,635.86 feet or 220.36 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 1" Iron Pipe w/Cap at the Southeast corner of said Section 34, **Thence** North 54 degrees 55 minutes 07 seconds West 2,859.43 feet to the **Point of Beginning,** having the following coordinates: X= 771,083.15 and Y= 458,782.28 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 75 degrees 18 minutes 23 seconds East 304.63 feet to a point;
Thence North 89 degrees 34 minutes 49 seconds East 322.91 feet to a point;
Thence North 1,536.30 feet to a point;
Thence North 06 degrees 09 minutes 42 seconds West 1,331.59 feet to a point;

Thence North 89 degrees 21 minutes 19 seconds East 140.43 feet to the **Point of Ending**, having the following coordinates X=771,698.21 and Y=461,723.70 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a gas lift easement and intended solely for that purpose. This description does not represent a boundary survey.

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 6 OF 7

NOTE:
See Sheet 7 of 7 for Reference Notes and Certification.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

T:\2022\2225508\DWG\Zion Pipeline-EDS Plat.dwg

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED GAS LIFT EASEMENT (I) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED GAS LIFT EASEMENT (I)

Survey of a proposed gas lift easement (I), centerline to be 1,554.14 feet or 94.19 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 42 degrees 08 minutes 03 seconds West 2,518.62 feet to the **Point of Beginning,** having the following coordinates: X= 771,684.34 and Y= 460,549.86 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 89 degrees 39 minutes 38 seconds East 1,364.63 feet to a point;

Thence South 00 degrees 20 minutes 22 seconds East 189.51 feet to the **Point of Ending**, having the following coordinates X=773,050.08 and Y=460,368.45 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a gas lift easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED RESIDUE GAS EASEMENT (K) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED RESIDUE GAS EASEMENT (K)

Survey of a proposed residue gas easement (K), centerline to be 1,481.98 feet or 89.82 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 31 degrees 57 minutes 25 seconds West 3,104.76 feet to the **Point of Beginning,** having the following coordinates: X= 771,730.72 and Y= 459,783.39 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 89 degrees 33 minutes 51 seconds East 1,406.98 feet to a point;

Thence North 00 degrees 26 minutes 09 seconds West 75.00 feet to the **Point of Ending**, having the following coordinates X=773,137.09 and Y=459,869.10 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a residue gas easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED RESIDUE GAS EASEMENT (M) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED RESIDUE GAS EASEMENT (M)

Survey of a proposed residue gas easement (M), centerline to be 75.00 feet or 4.55 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 11 degrees 32 minutes 40 seconds West 2,680.02 feet to the **Point of Beginning,** having the following coordinates: X= 772,837.67 and Y= 459,791.81 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 00 degrees 26 minutes 09 seconds West 75.00 feet to the **Point of Ending**, having the following coordinates X=772,837.10 and Y=459,866.81 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a residue gas easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED LP GAS GATHERING EASEMENT (O) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED LP GAS GATHERING EASEMENT (O)

Survey of a proposed LP gas gathering easement (O), centerline to be 104.99 feet or 6.36 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 1" Iron Pipe w/Cap at the Southeast corner of said Section 34, **Thence** North 26 degrees 35 minutes 27 seconds West 2,927.05 feet to the **Point of Beginning,** having the following coordinates: X= 772,112.93 and Y= 459,756.30 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 00 degrees 26 minutes 09 seconds West 104.99 feet to the **Point of Ending**, having the following coordinates X=772,112.13 and Y=459,861.29 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an LP gas gathering easement and intended solely for that purpose. This description does not represent a boundary survey.

NOTE:
Basis of Bearings is the North American Datum of 1927,
New Mexico East Zone, US Survey Feet.
All bearing, distances, area, and coordinates are Grid Values.

NOTE:
This plat represents a survey made on the ground for proposed easements and is for the exclusive use of Chevron U.S.A. Inc. or their assigns.
This plat meets the requirements of New Mexico Administrative Code Section 12.8.2.12.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
05/17/2023 BPT	Easement revisions, combined plats
05/30/2023 VHV	Easement revisions
01/22/2024 VHV	Easement revisions, add TWS
01/29/2024 VHV	EDS F easement revision
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 12/21/2022	
JOB#: 2225508.00C	SHEET 7 OF 7

T:\2022\2225508\DWG\Zion Pipeline-EDS Plat.dwg

I, Robert L. Lastrapes, New Mexico Professional Surveyor No. 23006, do hereby certify that this Easement Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my supervision; that I am responsible for this survey; that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in New Mexico Subdivision Act.
Robert L. Lastrapes PS No. 23006 Date: 01/29/2024

ROBERT L. LASTRAPES
NEW MEXICO
23006
01/29/2024
PROFESSIONAL SURVEYOR

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED RESIDUE GAS EASEMENT (J) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED RESIDUE GAS EASEMENT (J)

Survey of a proposed residue gas easement (J), centerline to be 3,603.72 feet or 218.41 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 66 degrees 37 minutes 59 seconds West 1,825.27 feet to the **Point of Beginning,** having the following coordinates: X= 771,698.44 and Y= 461,693.68 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 89 degrees 19 minutes 35 seconds West 107.28 feet to a point;
Thence South 06 degrees 09 minutes 42 seconds East 1,300.09 feet to a point;
Thence South 606.44 feet to a point;
Thence South 00 degrees 01 minutes 32 seconds East 961.26 feet to a point;
Thence South 89 degrees 34 minutes 55 seconds West 336.24 feet to a point;

Thence South 00 degrees 25 minutes 05 seconds East 292.41 feet to the **Point of Ending**, having the following coordinates X=771,397.04 and Y=458,537.28 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a residue gas easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED RESIDUE GAS EASEMENT (L) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED RESIDUE GAS EASEMENT (L)

Survey of a proposed residue gas easement (L), centerline to be 74.99 feet or 4.54 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 22 degrees 32 minutes 09 seconds West 2,847.45 feet to the **Point of Beginning,** having the following coordinates: X= 772,282.70 and Y= 459,787.59 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 00 minutes 26 minutes 09 seconds West 74.99 feet to the **Point of Ending**, having the following coordinates X=772,282.13 and Y=459,862.58 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for a residue gas easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED LP GAS GATHERING EASEMENT (N) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED LP GAS GATHERING EASEMENT (N)

Survey of a proposed LP gas gathering easement (N), centerline to be 2,881.75 feet or 174.65 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 3/4" Iron Pipe w/Cap at the Northeast corner of said Section 34, **Thence** South 15 degrees 30 minutes 44 seconds West 2,388.57 feet to the **Point of Beginning,** having the following coordinates: X= 772,735.20 and Y= 460,116.04 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence South 89 degrees 34 minutes 55 seconds West 25.00 feet to a point;
Thence South 00 degrees 25 minutes 05 seconds East 180.00 feet to a point;
Thence South 00 degrees 25 minutes 05 seconds East 175.01 feet to a point;
Thence South 89 degrees 33 minutes 51 seconds West 951.98 feet to a point;
Thence South 00 degrees 01 minutes 08 seconds East 951.28 feet to a point;
Thence South 89 degrees 34 minutes 55 seconds West 336.06 feet to a point;

Thence South 00 degrees 25 minutes 07 seconds East 262.42 feet to the **Point of Ending**, having the following coordinates X=771,427.02 and Y=458,537.48 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an LP gas gathering easement and intended solely for that purpose. This description does not represent a boundary survey.

**METES AND BOUNDS DESCRIPTION OF A
PROPOSED LP GAS GATHERING EASEMENT (P) LOCATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO**

PROPOSED LP GAS GATHERING EASEMENT (P)

Survey of a proposed LP gas gathering easement (P), centerline to be 104.99 feet or 6.36 rods, more or less, located within Section 34, Township 23 South - Range 34 East, Lea County, New Mexico.

Commencing at a Found 1" Iron Pipe w/Cap at the Southeast corner of said Section 34, **Thence** North 19 degrees 09 minutes 15 seconds West 2,774.06 feet to the **Point of Beginning,** having the following coordinates: X= 772,512.92 and Y= 459,759.34 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

Thence North 00 degrees 26 minutes 09 seconds West 104.99 feet to the **Point of Ending**, having the following coordinates X=772,512.12 and Y=459,864.33 (New Mexico State Plane Coordinate System, East Zone, NAD 27).

The bearings recited hereon are oriented to New Mexico State Plane Coordinate System, East Zone, NAD 27.

This description represents a survey made on the ground for an LP gas gathering easement and intended solely for that purpose. This description does not represent a boundary survey.

PIPELINE-EDS/FIBER PLAT
ZION ACADIA PAD 2 & FACILITIES
CHEVRON U.S.A. INC.
SITUATED IN
SECTIONS 33 & 34, T23S-R34E
LEA COUNTY, NEW MEXICO

R 34 E

T 23 S

Fnd. 3/4" Iron Pipe with Cap
@ NE Corner of Section 34
X= 773,374.02
Y= 462,417.61

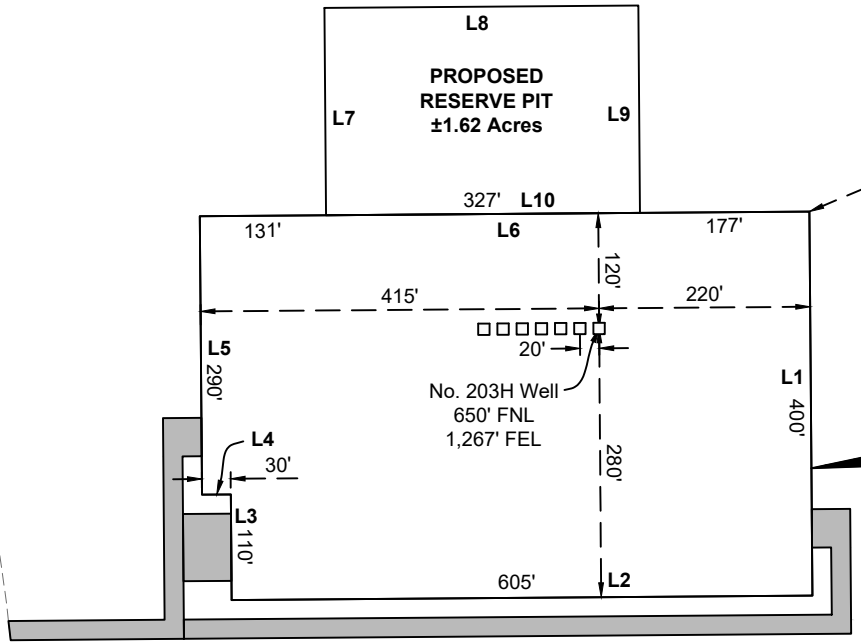
Sec. 27 | Sec. 26

Sec. 35

Sec. 34

S 62° 38' 48" W 1,173.14'

Existing Access Road Edge



NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 200'
0' 100' 200'

Sec. 34

Limestone Basin Properties Ranch, LLC

Existing Pipeline

LEGEND

- Proposed Facility
- Proposed Pad/Pit
- Proposed Clear Limits
- Existing Pipeline
- Existing Road
- Section Line
- Fnd. Monument

ZN 27 22 FED STATE COM 203H WELL
X = 772,113' (NAD27 NM E)
Y = 461,757'
LAT. 32.266418° N (NAD27)
LONG. 103.452995° W
X = 813,297' (NAD83/2011 NM E)
Y = 461,816'
LAT. 32.266541° N (NAD83/2011)
LONG. 103.453470° W
ELEV. +3455' (NAVD88)

FENSTERMAKER
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
9/19/2022 GDG	Extend Facility East
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAME
01/29/2024 RMB	Revised pad, pit and access.

DRAWN BY: LLL	PROJ. MGR.: GDG
DATE: 08/16/2022	
JOB#: 2225223.00C	SHEET 1 OF 2

NOTE:
See Sheet 2 of 2 for Reference Notes and Certification.

WELL PLAT
ZN 27 22 FED STATE COM
NO. 203H WELL
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

NW PAD CORNER
X = 771,697.06' (NAD27 NM E)
Y = 461,873.71'
LAT. 32.266749° N (NAD27)
LONG. 103.454337° W
X = 812,881.29' (NAD83/2011 NM E)
Y = 461,932.44'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3457' (NAVD88)

NE PAD CORNER
X = 772,332.04' (NAD27 NM E)
Y = 461,878.58'
LAT. 32.266748° N (NAD27)
LONG. 103.452283° W
X = 813,516.28' (NAD83/2011 NM E)
Y = 461,937.32'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452758° W
ELEV. +3455' (NAVD88)

SW PAD CORNER A
X = 771,730.13' (NAD27 NM E)
Y = 461,473.95'
LAT. 32.265649° N (NAD27)
LONG. 103.454240° W
X = 812,914.37' (NAD83/2011 NM E)
Y = 461,532.67'
LAT. 32.265772° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

NW RESERVE PIT CORNER
X = 771,826.90' (NAD27 NM E)
Y = 462,090.71'
LAT. 32.267342° N (NAD27)
LONG. 103.453911° W
X = 813,011.12' (NAD83/2011 NM E)
Y = 462,149.45'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3457' (NAVD88)

NE RESERVE PIT CORNER
X = 772,153.89' (NAD27 NM E)
Y = 462,093.22'
LAT. 32.267342° N (NAD27)
LONG. 103.452853° W
X = 813,338.12' (NAD83/2011 NM E)
Y = 462,151.96'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3456 (NAVD88)

SW PAD CORNER B
X = 771,729.29' (NAD27 NM E)
Y = 461,583.95'
LAT. 32.265952° N (NAD27)
LONG. 103.454240° W
X = 812,913.52' (NAD83/2011 NM E)
Y = 461,642.67'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

SW PAD CORNER C
X = 771,699.29' (NAD27 NM E)
Y = 461,583.72'
LAT. 32.265952° N (NAD27)
LONG. 103.454337° W
X = 812,883.52' (NAD83/2011 NM E)
Y = 461,642.44'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3456' (NAVD88)

SE PAD CORNER
X = 772,335.11' (NAD27 NM E)
Y = 461,478.59'
LAT. 32.265649° N (NAD27)
LONG. 103.452283° W
X = 813,519.36' (NAD83/2011 NM E)
Y = 461,537.32'
LAT. 32.265771° N (NAD83/2011)
LONG. 103.452759° W
ELEV. +3455' (NAVD88)

SW RESERVE PIT CORNER
X = 771,828.56' (NAD27 NM E)
Y = 461,874.72'
LAT. 32.266749° N (NAD27)
LONG. 103.453911° W
X = 813,012.79' (NAD83/2011 NM E)
Y = 461,933.45'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3456 (NAVD88)

SE RESERVE PIT CORNER
X = 772,155.55' (NAD27 NM E)
Y = 461,877.23'
LAT. 32.266748° N (NAD27)
LONG. 103.452854° W
X = 813,339.78' (NAD83/2011 NM E)
Y = 461,935.96'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3455' (NAVD88)

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

PROPOSED PAD		
Line	**Bearing**	**Distance**
L1	S 00° 26' 23" E	400.00'
L2	S 89° 33' 37" W	605.00'
L3	N 00° 26' 23" W	110.00'
L4	S 89° 33' 37" W	30.00'
L5	N 00° 26' 23" W	290.00'
L6	N 89° 33' 37" E	635.00'

PROPOSED PIT		
Line	**Bearing**	**Distance**
L7	N 00° 26' 23" W	216.00'
L8	N 89° 33' 37" E	327.00'
L9	S 00° 26' 23" E	216.00'
L10	S 89° 33' 37" W	327.00'

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
9/19/2022 GDG	Extend Facility East
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAME
01/29/2024 RMB	Revised pad, pit and access.

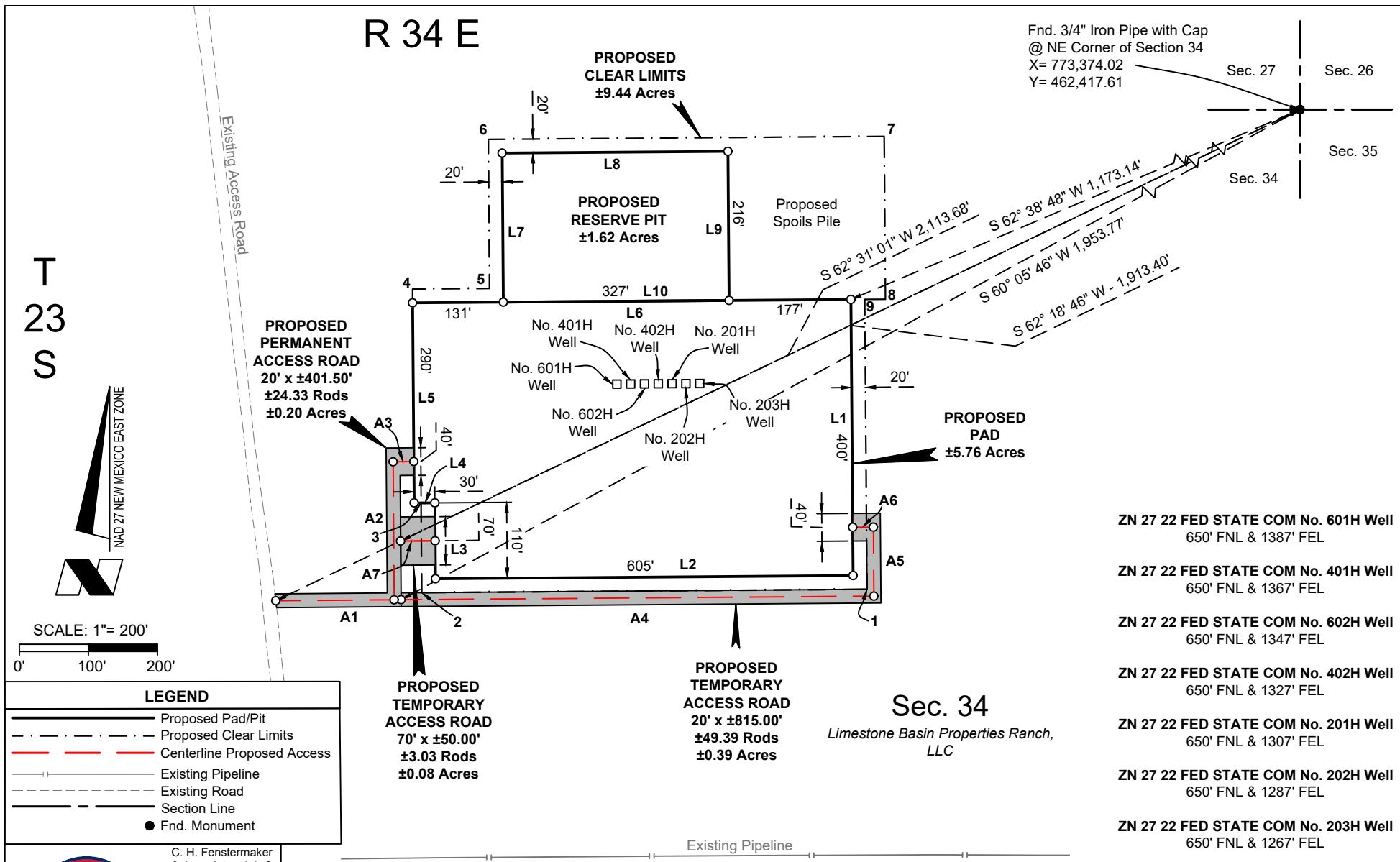
DRAWN BY: LLL	PROJ. MGR.: GDG
DATE: 08/16/2022	
JOB#: 2225223.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
01/31/2024

WELL PLAT
ZN 27 22 FED STATE COM NO. 203H WELL
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO



LEGEND

- Proposed Pad/Pit
- Proposed Clear Limits
- Centerline Proposed Access
- Existing Pipeline
- Existing Road
- Section Line
- Fnd. Monument

Sec. 34

Limestone Basin Properties Ranch, LLC

ZN 27 22 FED STATE COM No. 601H Well
650' FNL & 1387' FEL

ZN 27 22 FED STATE COM No. 401H Well
650' FNL & 1367' FEL

ZN 27 22 FED STATE COM No. 602H Well
650' FNL & 1347' FEL

ZN 27 22 FED STATE COM No. 402H Well
650' FNL & 1327' FEL

ZN 27 22 FED STATE COM No. 201H Well
650' FNL & 1307' FEL

ZN 27 22 FED STATE COM No. 202H Well
650' FNL & 1287' FEL

ZN 27 22 FED STATE COM No. 203H Well
650' FNL & 1267' FEL

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 1 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

NW PAD CORNER
X = 771,697.06' (NAD27 NM E)
Y = 461,873.71'
LAT. 32.266749° N (NAD27)
LONG. 103.454337° W
X = 812,881.29' (NAD83/2011 NM E)
Y = 461,932.44'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3457' (NAVD88)

NE PAD CORNER
X = 772,332.04' (NAD27 NM E)
Y = 461,878.58'
LAT. 32.266748° N (NAD27)
LONG. 103.452283° W
X = 813,516.28' (NAD83/2011 NM E)
Y = 461,937.32'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452758° W
ELEV. +3455' (NAVD88)

NW RESERVE PIT CORNER
X = 771,826.90' (NAD27 NM E)
Y = 462,090.71'
LAT. 32.267342° N (NAD27)
LONG. 103.453911° W
X = 813,011.12' (NAD83/2011 NM E)
Y = 462,149.45'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3457' (NAVD88)

NE RESERVE PIT CORNER
X = 772,153.89' (NAD27 NM E)
Y = 462,093.22'
LAT. 32.267342° N (NAD27)
LONG. 103.452853° W
X = 813,338.12' (NAD83/2011 NM E)
Y = 462,151.96'
LAT. 32.267465° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3456 (NAVD88)

SW PAD CORNER A
X = 771,730.13' (NAD27 NM E)
Y = 461,473.95'
LAT. 32.265649° N (NAD27)
LONG. 103.454240° W
X = 812,914.37' (NAD83/2011 NM E)
Y = 461,532.67'
LAT. 32.265772° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

SW PAD CORNER B
X = 771,729.29' (NAD27 NM E)
Y = 461,583.95'
LAT. 32.265952° N (NAD27)
LONG. 103.454240° W
X = 812,913.52' (NAD83/2011 NM E)
Y = 461,642.67'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454716° W
ELEV. +3455' (NAVD88)

SW PAD CORNER C
X = 771,699.29' (NAD27 NM E)
Y = 461,583.72'
LAT. 32.265952° N (NAD27)
LONG. 103.454337° W
X = 812,883.52' (NAD83/2011 NM E)
Y = 461,642.44'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454813° W
ELEV. +3456' (NAVD88)

SE PAD CORNER
X = 772,335.11' (NAD27 NM E)
Y = 461,478.59'
LAT. 32.265649° N (NAD27)
LONG. 103.452283° W
X = 813,519.36' (NAD83/2011 NM E)
Y = 461,537.32'
LAT. 32.265771° N (NAD83/2011)
LONG. 103.452759° W
ELEV. +3455' (NAVD88)

SW RESERVE PIT CORNER
X = 771,828.56' (NAD27 NM E)
Y = 461,874.72'
LAT. 32.266749° N (NAD27)
LONG. 103.453911° W
X = 813,012.79' (NAD83/2011 NM E)
Y = 461,933.45'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454387° W
ELEV. +3456 (NAVD88)

SE RESERVE PIT CORNER
X = 772,155.55' (NAD27 NM E)
Y = 461,877.23'
LAT. 32.266748° N (NAD27)
LONG. 103.452854° W
X = 813,339.78' (NAD83/2011 NM E)
Y = 461,935.96'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.453329° W
ELEV. +3455' (NAVD88)

CLEAR LIMITS CORNER 1
X = 772,355.27' (NAD27 NM E)
Y = 461,458.75'
LAT. 32.265594° N (NAD27)
LONG. 103.452219° W
X = 813,539.52' (NAD83/2011 NM E)
Y = 461,517.47'
LAT. 32.265716° N (NAD83/2011)
LONG. 103.452694° W

CLEAR LIMITS CORNER 2
X = 771,710.29' (NAD27 NM E)
Y = 461,453.80'
LAT. 32.265594° N (NAD27)
LONG. 103.454305° W
X = 812,894.52' (NAD83/2011 NM E)
Y = 461,512.52'
LAT. 32.265717° N (NAD83/2011)
LONG. 103.454781° W

CLEAR LIMITS CORNER 3
X = 771,709.29' (NAD27 NM E)
Y = 461,583.79'
LAT. 32.265952° N (NAD27)
LONG. 103.454305° W
X = 812,893.52' (NAD83/2011 NM E)
Y = 461,642.52'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454781° W

CLEAR LIMITS CORNER 4
X = 771,696.91' (NAD27 NM E)
Y = 461,893.71'
LAT. 32.266804° N (NAD27)
LONG. 103.454337° W
X = 812,881.13' (NAD83/2011 NM E)
Y = 461,952.44'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454813° W

CLEAR LIMITS CORNER 5
X = 771,808.41' (NAD27 NM E)
Y = 461,894.56'
LAT. 32.266804° N (NAD27)
LONG. 103.453976° W
X = 812,992.63' (NAD83/2011 NM E)
Y = 461,953.29'
LAT. 32.266927° N (NAD83/2011)
LONG. 103.454452° W

CLEAR LIMITS CORNER 6
X = 771,806.75' (NAD27 NM E)
Y = 462,110.56'
LAT. 32.267397° N (NAD27)
LONG. 103.453976° W
X = 812,990.97' (NAD83/2011 NM E)
Y = 462,169.29'
LAT. 32.267520° N (NAD83/2011)
LONG. 103.454452° W

CLEAR LIMITS CORNER 7
X = 772,380.23' (NAD27 NM E)
Y = 462,114.96'
LAT. 32.267397° N (NAD27)
LONG. 103.452120° W
X = 813,564.47' (NAD83/2011 NM E)
Y = 462,173.70'
LAT. 32.267519° N (NAD83/2011)
LONG. 103.452596° W

CLEAR LIMITS CORNER 8
X = 772,382.04' (NAD27 NM E)
Y = 461,878.96'
LAT. 32.266748° N (NAD27)
LONG. 103.452121° W
X = 813,566.28' (NAD83/2011 NM E)
Y = 461,937.70'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452597° W

CLEAR LIMITS CORNER 9
X = 772,352.04' (NAD27 NM E)
Y = 461,878.73'
LAT. 32.266748° N (NAD27)
LONG. 103.452218° W
X = 813,536.28' (NAD83/2011 NM E)
Y = 461,937.47'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452694° W

C. H. Fenstermaker
& Associates, L.L.C.
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REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards

DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 2 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

PROPOSED PAD		
Line	Bearing	Distance
L1	S 00° 26' 23" E	400.00'
L2	S 89° 33' 37" W	605.00'
L3	N 00° 26' 23" W	110.00'
L4	S 89° 33' 37" W	30.00'
L5	N 00° 26' 23" W	290.00'
L6	N 89° 33' 37" E	635.00'

PROPOSED PIT		
Line	Bearing	Distance
L7	N 00° 26' 23" W	216.00'
L8	N 89° 33' 37" E	327.00'
L9	S 00° 26' 23" E	216.00'
L10	S 89° 33' 37" W	327.00'

PROPOSED PERMANENT ACCESS ROAD CENTERLINE		
Line	Bearing	Distance
A1	N 89° 33' 37" E	171.50'
A2	N 00° 26' 23" W	200.00'
A3	N 89° 33' 37" E	30.00'

PROPOSED TEMPORARY ACCESS ROAD CENTERLINES		
Line	Bearing	Distance
A4	N 89° 33' 37" E	685.00'
A5	N 00° 26' 23" W	100.00'
A6	S 89° 33' 37" W	30.00'
A7	N 89° 33' 37" E	50.00'

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
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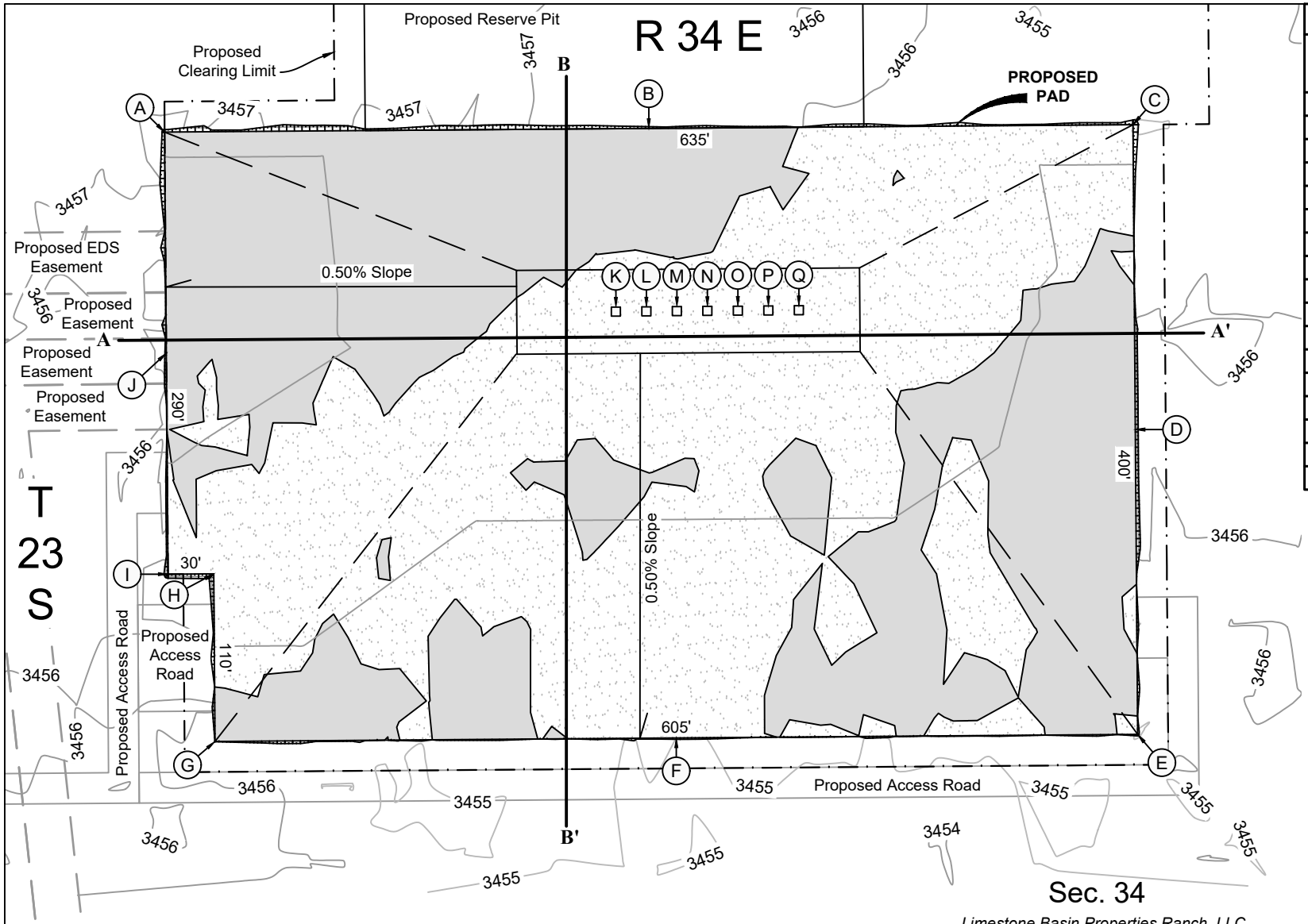
REVISIONS	
09/16/2022 LLL	EXTENDED FACILITY EAST
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
05/11/2023 VHV	REMOVED PROPOSED FACILITY
01/22/2024 VHV	Update to current pad standards
DRAWN BY: LLL	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 3 OF 3

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
01/31/2024

PAD PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO



PAD DESIGN TABLE			
PT	NATURAL GROUND ELEV.	DESIGN ELEV.	CUT / FILL
A	3456.60	3456.08	-0.52
B	3456.48	3456.08	-0.40
C	3454.86	3456.08	1.22
D	3456.23	3455.56	-0.67
E	3454.91	3455.28	0.37
F	3455.00	3455.28	0.28
G	3455.33	3455.28	-0.05
H	3455.43	3456.55	1.12
I	3455.61	3456.55	0.94
J	3455.75	3455.46	-0.29
K	3456.04	3456.55	0.51
L	3455.50	3456.55	1.05
M	3455.70	3456.55	0.85
N	3455.99	3456.55	0.56
O	3455.54	3456.55	1.01
P	3455.64	3456.55	0.91
Q	3455.31	3456.55	1.24

CUT VOLUME = 1,524.83 Cu. Yd.
FILL VOLUME = 1,274.26 Cu. Yd.
NET VOLUME = 250.57 Cu. Yd. (Cut)

NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 100'
0' 50' 100'

Sec. 34

Limestone Basin Properties Ranch, LLC

LEGEND
CUT
FILL

K = *ZN 27 22 FED STATE COM No. 601H*
L = *ZN 27 22 FED STATE COM No. 401H*
M = *ZN 27 22 FED STATE COM No. 602H*
N = *ZN 27 22 FED STATE COM No. 402H*
O = *ZN 27 22 FED STATE COM No. 201H*
P = *ZN 27 22 FED STATE COM No. 202H*
Q = *ZN 27 22 FED STATE COM No. 203H*

CUT & FILL PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
PROPOSED PAD
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

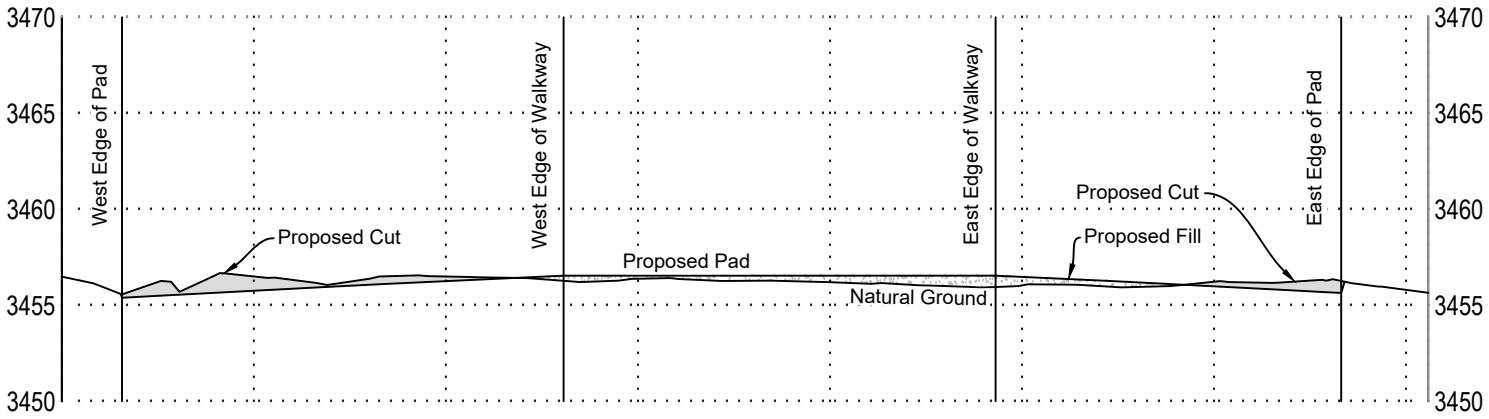
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
9/19/2022 GDG	Extend Facility East
12/01/2022 LLL	Revised Access Roads & Pad Name
01/31/2024 AMR	Revised pad location

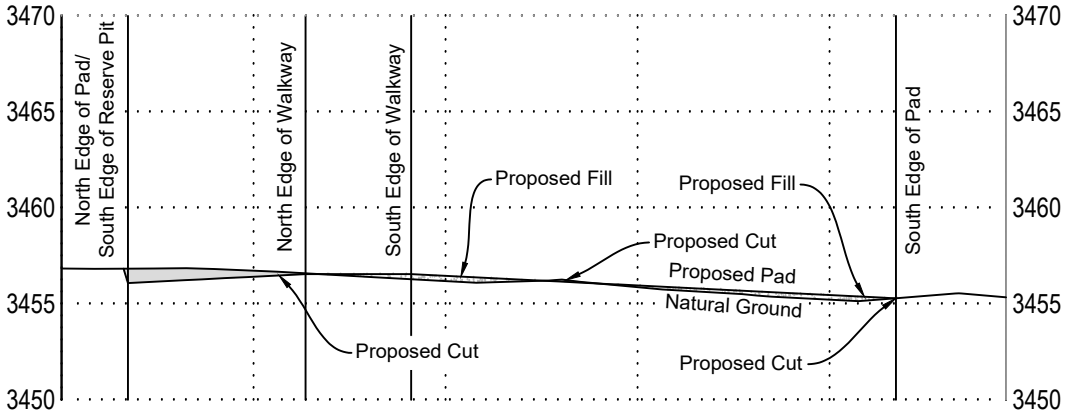
DRAWN BY: ECF	PROJ. MGR.: GDG
DATE: 08/17/2022	
JOB#: 2225223.00C	SHEET 1 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

CROSS SECTION A-A'
HORIZONTAL SCALE 1"=100'
VERTICAL SCALE 1"=10'



CROSS SECTION B-B'
HORIZONTAL SCALE 1"=100'
VERTICAL SCALE 1"=10'



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& Associates, L.L.C.
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Lafayette, LA 70508
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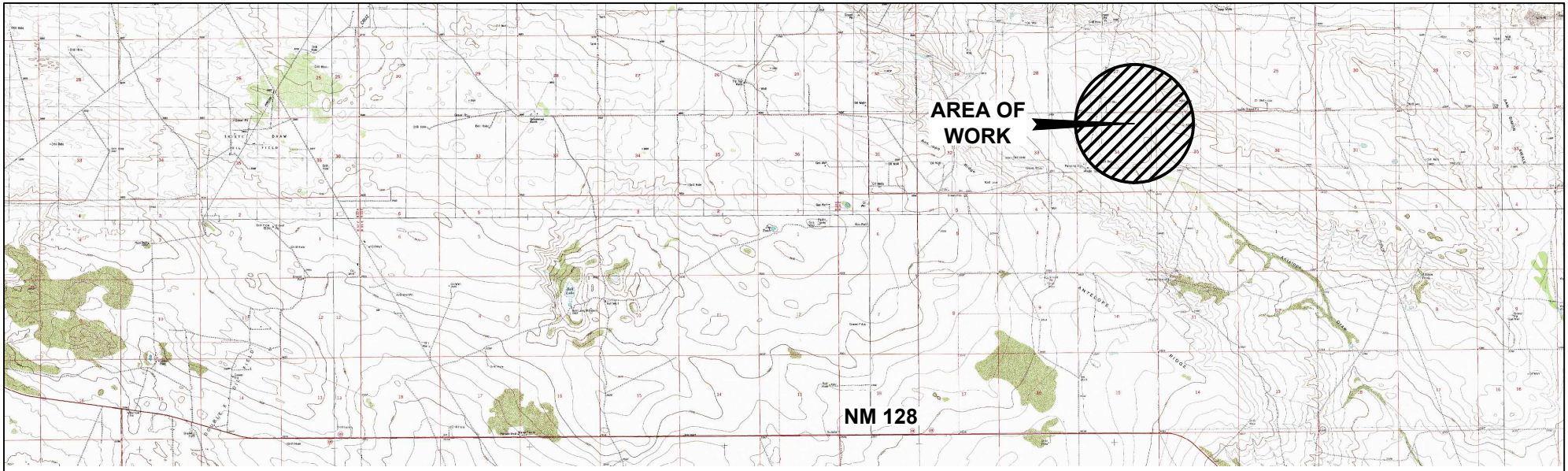
REVISIONS	
9/19/2022 GDG	Extend Facility East
12/01/2022 LLL	Revised Access Roads & Pad Name
01/31/2024 AMR	Revised pad location

DRAWN BY: ECF	PROJ. MGR.: GDG
DATE: 08/17/2022	
JOB#: 2225223.00C	SHEET 2 OF 3

NOTE:
See Sheet 3 of 3 for Reference Notes and Certification.

CUT & FILL PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
PROPOSED PAD
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO



NOTE:

1. Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance: New Mexico One Call www.nm811.org.

2. The design pad elevation recommendation is based solely on a cut and fill (1:1 ratio) balance of the pad and does not include material required for the access roads. A detailed soil test and slope stability analysis shall be performed prior to construction to ensure proper compaction and working performance of the pad under the anticipated loadings. This material balance sheet does not constitute a foundation design and C. H. Fenstermaker & Associates, L.L.C. makes no warranty to the structural integrity of the site layout as shown. Fenstermaker also makes no recommendation or warranty about the layout relative to flood hazards, erosion control, or soil stability issues. Elevations refer to the North American Vertical Datum of 1988.

3.Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

C. H. Fenstermaker
& Associates, L.L.C.
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Lafayette, LA 70508
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REVISIONS	
9/19/2022 GDG	Extend Facility East
12/01/2022 LLL	Revised Access Roads & Pad Name
01/31/2024 AMR	Revised pad location

DRAWN BY: ECF	PROJ. MGR.: GDG
DATE: 08/17/2022	
JOB#: 2225223.00C	SHEET 3 OF 3

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

ROBERT L. LASTRAPES
NEW MEXICO
23006
02/01/2024
PROFESSIONAL SURVEYOR

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 10,000'

0' 5000' 10,000'

CUT & FILL PLAT
ZN 27 22 FED STATE COM
CHEVRON U.S.A. INC.
PROPOSED PAD
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

R 34 E

T 23 S

Fnd. 3/4" Iron Pipe with Cap @ NW Corner of Section 34

Sec. 27 | Sec. 26

Sec. 35

Sec. 34

S 62° 38' 48" W 1,173.14'

Existing Access Road Edge

PROPOSED TEMPORARY RESERVE PIT ±1.62 Acres

PROPOSED PERMANENT PAD ±3.44 Acres

216'

327'

131.5'

96.5'

80'

602H 402H 201H 202H 203H 401H 601H

270'

PROPOSED PERMANENT ACCESS ROAD ±0.20 Acres

PROPOSED TEMPORARY PAD ±2.32 Acres

400'

20'

555'

30'

110'

605'

PROPOSED TEMPORARY ACCESS ROAD ±0.08 Acres

PROPOSED TEMPORARY ACCESS ROAD ±0.39 Acres

Existing Pipeline

Sec. 34

Limestone Basin Properties Ranch, LLC

NAD 27 NEW MEXICO EAST ZONE

SCALE: 1"= 200'

0' 100' 200'

LEGEND

- Proposed Pad/Access
- Proposed Pit
- Existing Pipeline
- Existing Road
- Section Line
- Fnd. Monument

C. H. Fenstermaker & Associates, L.L.C.
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REVISIONS	
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11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
08/01/2023 VHV	Update access roads
01/22/2024 VHV	Update pad to current standards

DRAWN BY: ECF	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 1 OF 2

T:\2225223\DWG\2225223 FED STATE COM_IR Plat.dwg

NOTE:
See Sheet 2 of 2 for Reference Notes and Certification.

INTERIM RECLAMATION PLAT
ZION PAD 2
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

NW PAD CORNER
X = 771,697.06' (NAD27 NM E)
Y = 461,873.71'
LAT. 32.266749° N (NAD27)
LONG. 103.454337° W
X = 812,881.29' (NAD83/2011 NM E)
Y = 461,932.44'
LAT. 32.266872° N (NAD83/2011)
LONG. 103.454813° W

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Y = 461,878.58'
LAT. 32.266748° N (NAD27)
LONG. 103.452283° W
X = 813,516.28' (NAD83/2011 NM E)
Y = 461,937.32'
LAT. 32.266871° N (NAD83/2011)
LONG. 103.452758° W

SW PAD CORNER A
X = 771,730.13' (NAD27 NM E)
Y = 461,473.95'
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LONG. 103.454240° W
X = 812,914.37' (NAD83/2011 NM E)
Y = 461,532.67'
LAT. 32.265772° N (NAD83/2011)
LONG. 103.454716° W

SW PAD CORNER B
X = 771,729.29' (NAD27 NM E)
Y = 461,583.95'
LAT. 32.265952° N (NAD27)
LONG. 103.454240° W
X = 812,913.52' (NAD83/2011 NM E)
Y = 461,642.67'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454716° W

SW PAD CORNER C
X = 771,699.29' (NAD27 NM E)
Y = 461,583.72'
LAT. 32.265952° N (NAD27)
LONG. 103.454337° W
X = 812,883.52' (NAD83/2011 NM E)
Y = 461,642.44'
LAT. 32.266075° N (NAD83/2011)
LONG. 103.454813° W

SE PAD CORNER
X = 772,335.11' (NAD27 NM E)
Y = 461,478.59'
LAT. 32.265649° N (NAD27)
LONG. 103.452283° W
X = 813,519.36' (NAD83/2011 NM E)
Y = 461,537.32'
LAT. 32.265771° N (NAD83/2011)
LONG. 103.452759° W

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state, and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

NOTE:
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE:
Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call www.nm811.org

C. H. Fenstermaker
& Associates, L.L.C.
135 Regency Sq.
Lafayette, LA 70508
Ph. 337-237-2200
Fax. 337-232-3299

REVISIONS	
9/19/2022 GDG	Extend Facility East
11/30/2022 LLL	REVISED ACCESS ROADS & WELL NAMES
08/01/2023 VHV	Update access roads
01/22/2024 VHV	Update pad to current standards

DRAWN BY: ECF	PROJ. MGR.: VHV
DATE: 08/15/2022	
JOB#: 2225223.00C	SHEET 2 OF 2

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional Surveyor, do hereby state the above plat to be true and correct to the best of my knowledge.

Robert L. Lastrapes
Professional Surveyor
Registration No. 23006

ROBERT L. LASTRAPES
NEW MEXICO
23006
01/22/2024
PROFESSIONAL SURVEYOR

INTERIM RECLAMATION PLAT
ZION PAD 2
CHEVRON U.S.A. INC.
SITUATED IN
SECTION 34, T23S-R34E
LEA COUNTY, NEW MEXICO

Taylor Ward
Land Representative

December 15, 2023

Attn: Cody Layton
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Re: Receipt and Acceptability of Application for Permit to Drill (APD)
FEDERAL – NMLC071949

Well Name / Number:	**ZN 27 22 FED STATE COM**
Legal Description:	T23S, R34E, SEC 34 NENE
County, State:	LEA, NM
Date APD Received:	01/17/2023

Cody,

Please find attached to this letter a Memorandum of Surface Use and Compensation Agreement that provides certification of surface access agreement for off-lease access on private surface to satisfy a deficiency on ZN 27 22 FED STATE COM.

Should you have any questions or any concerns, please feel free to contact me at (432) 634-9467

Respectfully,

Taylor T. Ward

Taylor Ward
Land Representative
Mid-Continent Business Unit
Americas Exploration and Production,
a division of Chevron U.S.A. Inc.
6301 Deauville Blvd, Midland, TX 79706
Mobile 432 634 9467 Fax 844 317 6330
taylorward@chevron.com

MEMORANDUM OF SURFACE USE AND COMPENSATION AGREEMENT

This Memorandum of Surface Use and Compensation Agreement as of November 1, 2023 by and between **LIMESTONE BASIN PROPERTIES RANCH, LLC** at 6 Desta Drive, Suite 2725, Midland, Texas 79705 ("Surface Owner") and **CHEVRON U.S.A. INC.**, at 6301 Deauville Blvd, Midland, Texas 79706 ("Operator").

1. Surface Owner and Operator entered into a Surface Use and Compensation Agreement, dated effective November 1, 2023 (the "Agreement"). The Agreement shall continue for as long thereafter as Operator conducts drilling, completing, production and/or other oil and gas Operations on the Lands or on Associated Wells, with no cessation of more than one hundred eighty (180) consecutive days, and further subject to the terms and provisions therein, and so long as Operator has timely tendered to Surface Owner all payments due under the Agreement and Operator is not otherwise in default under the Agreement.

2. The real property covered by the terms of the Agreement are those described in **Exhibit A** hereto (the "Land(s)").

3. The Agreement provides the terms and conditions and compensation related to Operator's use of the Lands. The terms, conditions and covenants of the Agreement are set forth at length in the Agreement and are incorporated herein by reference as though fully set forth herein. This Memorandum shall not, in any manner or form whatsoever, alter, modify or vary the terms, covenants and conditions of the Agreement. A copy of the Agreement is on file with Surface Owner.

4. The terms, covenants and provisions of the Agreement, of which this is a Memorandum, shall extend to and be binding upon the respective successors and assigns of Surface Owner and Operator, as assignment is allowed in accordance with the terms of the Agreement.

IN WITNESS WHEREOF, hereunto and to duplicates hereof, Surface Owner and Operator have caused this Memorandum to be duly executed.

[Signature Page Follows]

SURFACE OWNER:

LIMESTONE BASIN PROPERTIES RANCH, LLC

By: Jared Slade
Title: Chief Land Officer

OPERATOR:

CHEVRON U.S.A. INC.

By: Todd Meade
Title: Attorney-in-Fact

ACKNOWLEDGEMENT

STATE OF OKLAHOMA §
§
COUNTY OF TULSA §

This instrument was acknowledged before me on this 14th day of December, 2023 by Jared Slade, Chief Land Officer, on behalf of Limestone Basin Properties Ranch, LLC, a limited liability company, on behalf of said company.

RODOLFO PEREZ NOTARY PUBLIC COMM. EXP. 11-25-2026 #22015762 IN AND FOR STATE OF OKLAHOMA TULSA COUNTY

My Commission Expires:

Notary Public, State of Oklahoma

STATE OF TEXAS §
§
COUNTY OF MIDLAND §

This instrument was acknowledged before me this _____ day of _____, 2023 by Todd Meade, Attorney-in-Fact for Chevron U.S.A. Inc., a Pennsylvania corporation, on behalf of said corporation.

My Commission Expires:

Notary Public, State of Texas

SURFACE OWNER:

LIMESTONE BASIN PROPERTIES RANCH, LLC

_____

By: Jared Slade
Title: Chief Land Officer

OPERATOR:

CHEVRON U.S.A. INC.

_____

By: Todd Meade
Title: Attorney-in-Fact

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My Commission Expires: 12/23/25

Kaci Phillips
Notary Public, State of Texas

KACI BETH PHILLIPS
Notary Public, State of Texas
Comm. Expires 12-23-2025
Notary ID 129658388

EXHIBIT A – (the "Land(s)")

Township 23 South, Range 34 East

Section 21: All
Section 28: All
Section 29: All
Section 31: All
Section 32: All
Section 33: All
Section 34: All, save and except the NW/4SW4
Section 35: All

Taylor Ward
Land Representative

December 15, 2023

Attn: Cody Layton
Bureau of Land Management
620 E. Greene St.
Carlsbad, NM 88220

Re: Receipt and Acceptability of Application for Permit to Drill (APD)
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By: Jared Slade
Title: Chief Land Officer

OPERATOR:

CHEVRON U.S.A. INC.

By: Todd Meade
Title: Attorney-in-Fact

ACKNOWLEDGEMENT

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§
COUNTY OF TULSA §

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My Commission Expires:

Notary Public, State of Oklahoma

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Notary Public, State of Texas

SURFACE OWNER:

LIMESTONE BASIN PROPERTIES RANCH, LLC

_____

By: Jared Slade
Title: Chief Land Officer

OPERATOR:

CHEVRON U.S.A. INC.

_____

By: Todd Meade
Title: Attorney-in-Fact

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Notary Public, State of Oklahoma

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Kaci Phillips
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KACI BETH PHILLIPS
Notary Public, State of Texas
Comm. Expires 12-23-2025
Notary ID 129658388

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Section 21: All
Section 28: All
Section 29: All
Section 31: All
Section 32: All
Section 33: All
Section 34: All, save and except the NW/4SW4
Section 35: All

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

PWD Data Report
07/24/2024

APD ID: 10400097015 **Submission Date:** 02/15/2024

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD discharge volume (bbl/day):

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

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

Bond Info Data
07/24/2024

APD ID: 10400097015
Submission Date: 02/15/2024
Operator Name: CHEVRON USA INCORPORATED
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: ES0022

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond

Reclamation bond number:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	ZN 27 22 FED STATE COM 203H
SURFACE HOLE FOOTAGE:	650'/N & 1267'/E
BOTTOM HOLE FOOTAGE	25'/N & 550'/E
LOCATION:	Section 34, T.23 S., R.34 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	◉ Yes	○ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Wellhead Variance	○ Diverter		
Other	☐ 4 String	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency Cement Squeeze	☐ EchoMeter	☐ Primary Cement Squeeze
Special Requirements	☐ Water Disposal	☑ COM	☐ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements Variance	☑ Break Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The **13-3/8** inch surface casing shall be set at approximately **1020 feet Per BLM Geologist** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **16 inch or 17.5 inch** in diameter.

Approval Date: 07/23/2024

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.

Operator is approved to use contingency cementing for the Intermediate and Production section. Operator shall notify the BLM before proceeding with contingency operation.

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 or potash.**

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

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
  Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

4. The minimum required fill of cement behind the **5 X 4-1/2** inch production liner is:

- Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Production liner must be kept fluid filled to meet BLM minimum collapse requirement.

Approval Date: 07/23/2024

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

    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. 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.
    e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

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 Onshore Order 1 and 2.
- 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.

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)
BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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 intergrity 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-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 OOGO2.III.A.2.i 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.

JS 5/3/2024

Approval Date: 07/23/2024

H_2S Preparedness and Contingency Plan Summary

Training

MCBU Drilling and Completions H_2S training requirements are intended to define the minimum level of training required for employees, contractors and visitors to enter or perform work at MCBU Drilling and Completions locations that have known concentrations of H_2S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H_2S, who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

1. Physical and chemical properties of H_2S
2. Health hazards of H_2S
3. Personal protective equipment
4. Information regarding potential sources of H_2S
5. Alarms and emergency evacuation procedures

Awareness level training will be developed and conducted by personnel who are qualified either by specific training, educational experience and/or work-related background.

Advanced Level H_2S Training

Employees and contractors required to work in areas that may contain H_2S will be provided with Advanced Level H_2S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H_2S training will include:

1. H_2S safe work practice procedures;
2. Emergency contingency plan procedures;
3. Methods to detect the presence or release of H_2S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H_2S equipment.
4. Basic overview of respiratory protective equipment suitable for use in H_2S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform “standby” duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H_2S training;
6. Proficiency examination covering all course material.

Advanced H_2S training courses will be instructed by personnel who have successfully completed an appropriate H_2S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

All employees and visitors will be issued an H_2S training certification card (or certificate) upon successful completion of the appropriate H_2S training course. Personnel working in an H_2S environment will carry a current H_2S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

A minimum of two briefing areas will be established in locations that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H_2S Equipment

Respiratory Protection

a) Six 30 minute SCBAs – 2 at each briefing area and 2 in the Safety Trailer.

b) Eight 5 minute EBAs – 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.

b) Two windsocks will be on location, one on the dog house and one on the Drill Site Manager's Trailer.

H_2S Detection and Monitoring System

a) H_2S monitoring system (sensor head, warning light and siren) placed throughout rig.

- Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
- Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150’ from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

In the event of drilling, completions, workover and well servicing operations involving a hydrogen sulfide concentration of 100 ppm or greater the following shall be considered:

1. Use of a degasser
2. Use of a zinc based mud treatment
3. Increasing mud weight

Public Safety - Emergency Assistance

Agency	Telephone Number
Lea County Sheriff’s Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

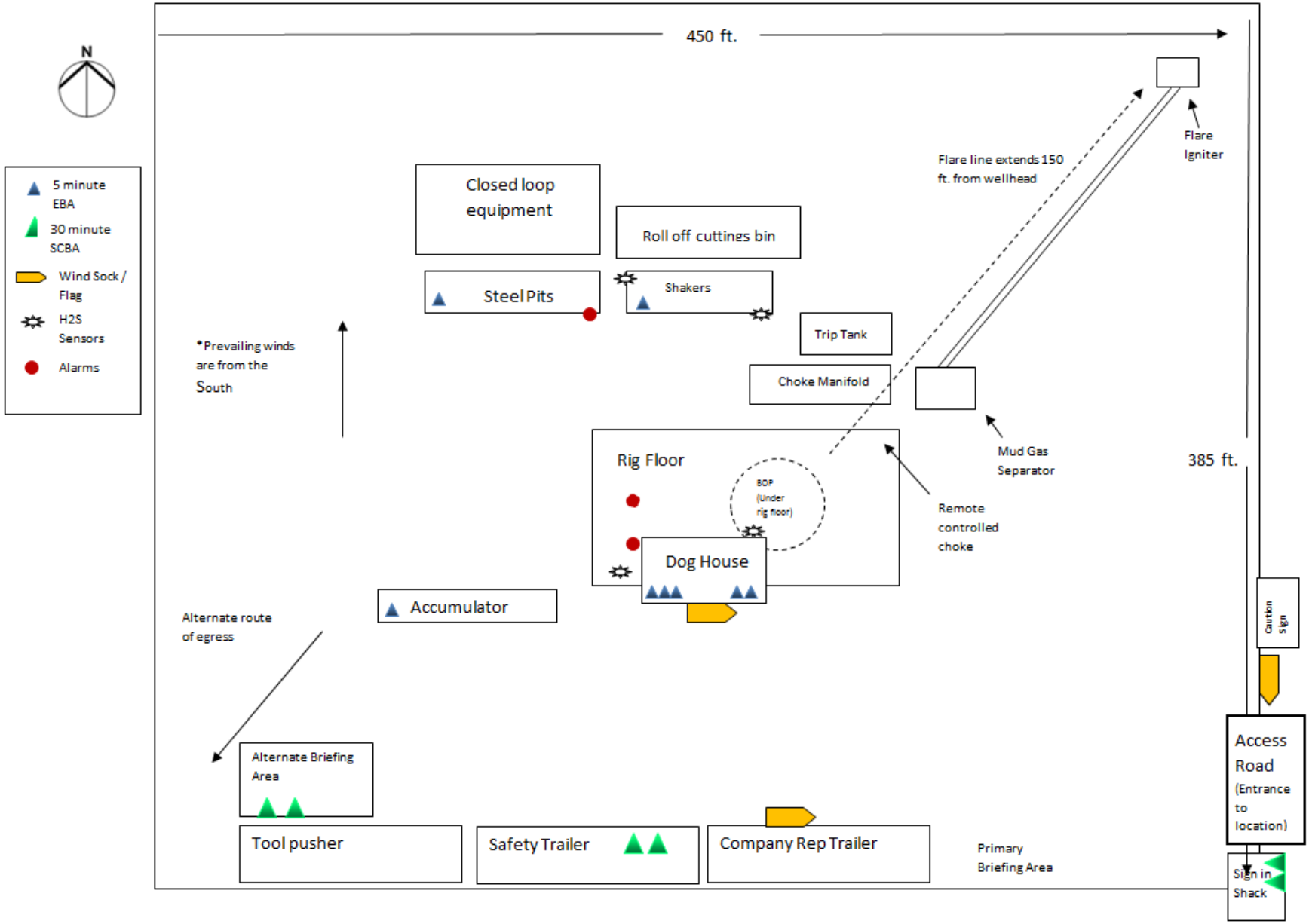
H_2S Preparedness and Contingency Plan Summary

Chevron MCBU D&C Emergency Notifications

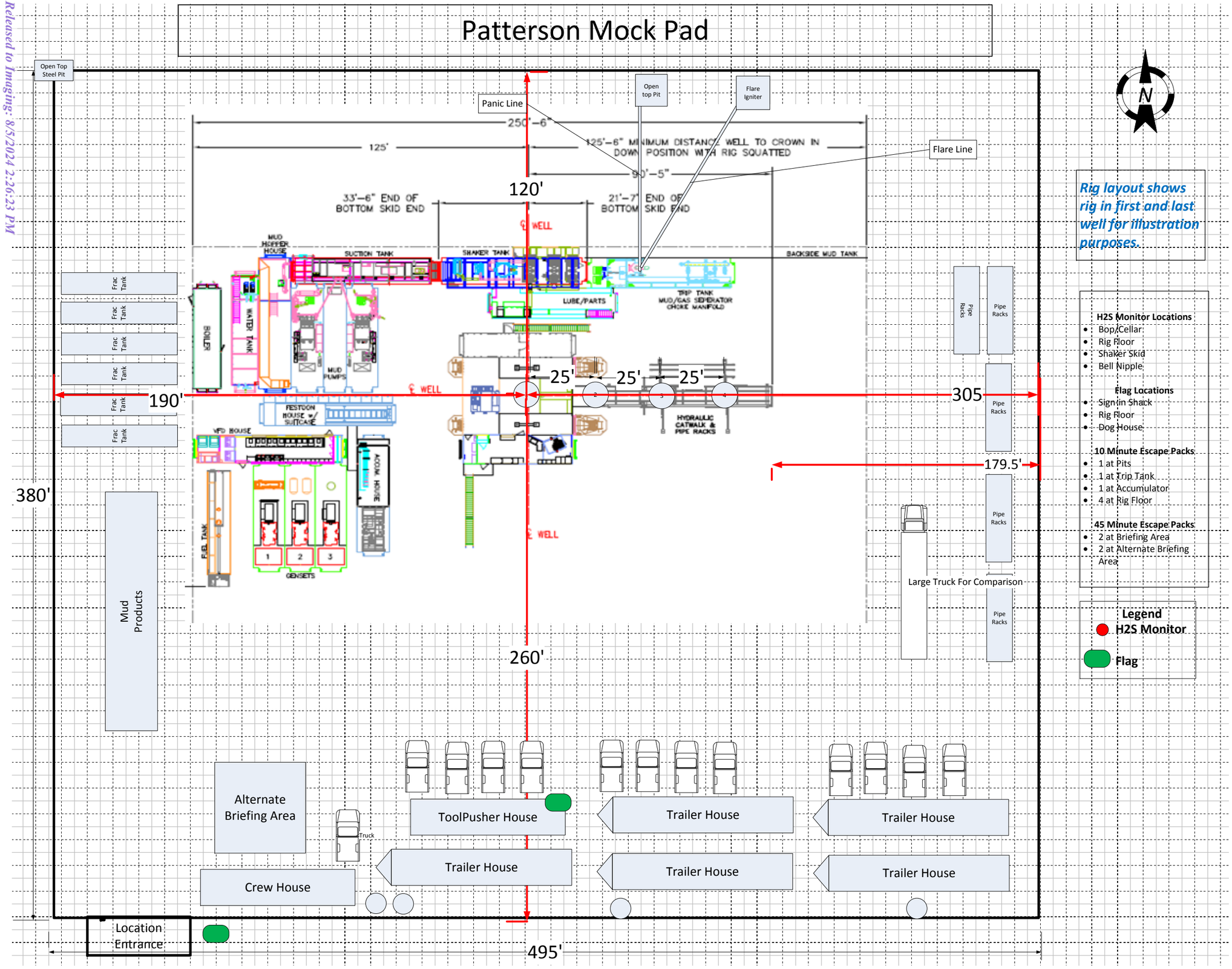
Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	**TBD**	Drilling Engineer		
2.	Sergio Hernandez	Superintendent	713 372 1402	
5.	Dennis Mchugh	Drilling Manager	(713) 372-4496	
6.	Kyle Eastman	Operations Manager	713-372-5863	
7.	TBD	D&C HES		
8.	TBD	Completion Engineer		

H_2S Preparedness and Contingency Plan Summary



Patterson Mock Pad



Rig layout shows rig in first and last well for illustration purposes.

H2S Monitor Locations
- Bop/Cellar
- Rig Floor
- Shaker Skid
- Bell Nipple

Flag Locations
- Sign in Shack
- Rig Floor
- Dog House

10 Minute Escape Packs
- 1 at Pits
- 1 at Trip Tank
- 1 at Accumulator
- 4 at Rig Floor

45 Minute Escape Packs
- 2 at Briefing Area
- 2 at Alternate Briefing Area

Legend
- H2S Monitor
- Flag

Intent ☐ As Drilled ☐

API #

Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

Drilling Plan Data Report
07/24/2024

APD ID: 10400097015
Submission Date: 02/15/2024
Operator Name: CHEVRON USA INCORPORATED
Well Name: ZN 27 22 FED STATE COM
Well Number: 203H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13828641	RUSTLER	3455	825	826	SANDSTONE	NONE	N
13828642	SALADO	2009	1446	1459	ANHYDRITE, SALT	NONE	N
13828643	CASTILE	785	2670	2726	ANHYDRITE, SALT	NONE	N
13828644	LAMAR	-1639	5094	5172	LIMESTONE, SANDSTONE	NONE	N
13828645	BELL CANYON	-1720	5175	5253	LIMESTONE, SANDSTONE	NONE	N
13828646	CHERRY CANYON	-2544	5999	6077	SANDSTONE, SILTSTONE	NONE	N
13828647	BRUSHY CANYON	-3905	7360	7438	LIMESTONE, SANDSTONE	NONE	N
13828648	BONE SPRING LIME	-5131	8586	8664	SHALE, SILTSTONE	NONE	N
13828640	AVALON SAND	-5246	8701	9147	SHALE	NATURAL GAS	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 9303

Equipment: Chevron will have a minimum of a 5,000 psi rig stack (see proposed schematic) for drill out below surface casing.
Requesting Variance? YES

Variance request: Chevron respectfully request to vary from the Onshore Order 2 where it states: “(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken.” We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized. Chevron respectfully requests a variance to use a FMC Technologies UH-S Multibowl wellhead, which will be run through the rig floor on surface casing. BOPE will be nippled up and tested after cementing surface

Operator Name: CHEVRON USA INCORPORATED

Well Name: ZN 27 22 FED STATE COM **Well Number:** 203H

casing. Subsequent tests will be performed as needed, not to exceed 30 days. The field report from FMC Technologies and BOP test information will be provided in a subsequent report at the end of the well. Please see the attached wellhead schematic. An installation manual has been placed on file with the BLM office and remains unchanged from previous submittal. All tests performed by third party.

Testing Procedure: The stack will be tested as specified in the attached testing requirements. Batch drilling of the surface, production, and production liner will take place. A full BOP test will be performed per hole section, unless approval from BLM is received otherwise (see variance request). Flex choke hose will be used for all wells on the pad (see attached specs and variance). BOP test pressures and other documented tests may be recorded and documented via utilization of the IPT 'Suretec' Digital BOP Test Method in lieu of the standard test chart. In the event the IPT system is unavailable, the standard test chart will be used.

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20240208074551.pdf

BLM_Choke_Hose_Test_Specs_and_Pressure_Test_Continental_20240208074613.pdf

NM_Slim_Hole_Wellhead_6650_psi_UH_S_20240208074638.pdf

BOP Diagram Attachment:

BLM_5M_Annular_10M_Rams_Stackup_and_Test_Plan_20240208074625.pdf

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	1020	0	1020	3455	2435	1020	J-55	54.5	BUTT	2.39	1.79	DRY	16.35	DRY	15.34
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5152	0	5074	3455	-1619	5152	L-80	40	OTHER - BTC/LTC	1.34	2.41	DRY	4.67	DRY	4.51
3	INTERMEDIATE	8.75	7.0	NEW	API	N	0	8784	0	8706	3455	-5251	8784	P-110	29	OTHER - BLUE-SD	1.98	4.02	DRY	3.68	DRY	3.68
4	PRODUCTION	6.125	5.0	NEW	API	N	8584	9234	8506	9106	-5051	-5651	650	P-110	18	OTHER - W513	1.6	3.83	DRY	2.25	DRY	3.54
5	PRODUCTION	6.125	4.5	NEW	API	N	9234	20194	9106	9303	-5651	-5848	10960	P-110	11.6	OTHER - W521	1.6	3.83	DRY	2.25	DRY	3.54

Casing Attachments

BLOWOUT PREVENTER SCHEMATIC

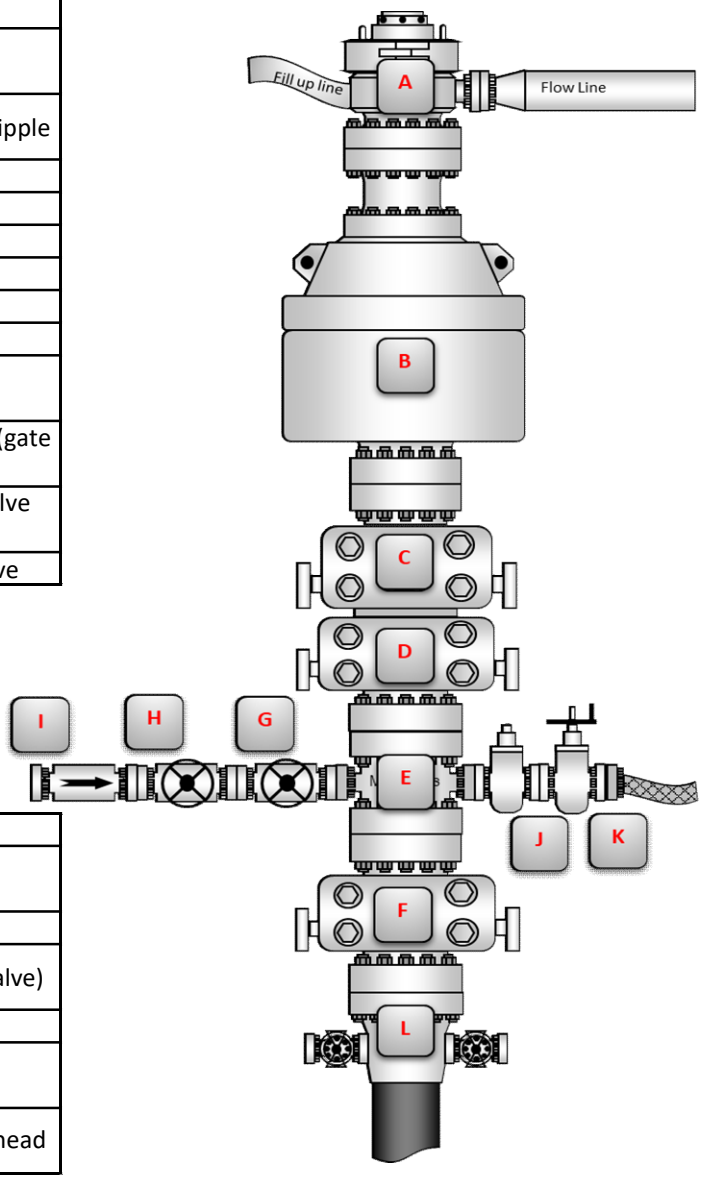
Operation:	Intermediate & Production Drilling Operations
Minimum System operation pressure	5,000 psi

BOP Stack

Part	Size	Pressure Rating	Description
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	5,000	Annular
C	13-5/8"	10,000	Blind Ram
D	13-5/8"	10,000	Pipe Ram
E	13-5/8"	10,000	Mud Cross
F	13-5/8"	10,000	Pipe Ram

Kill Line

Part	Size	Pressure Rating	Description
G	2"	10,000	Inside Kill Line Valve (gate valve)
H	2"	10,000	Outside Kill Line Valve (gate valve)
I	2"	10,000	Kill Line Check valve



Choke line

Part	Size	Pressure Rating	Description
J	3"	10,000	HCR (gate valve)
K	3"	10,000	Manual HCR (gate valve)

Wellhead

Part	Size	Pressure Rating	Description
L	13-5/8"	5,000	FMC Multibowl wellhead

BOP Installation Checklist: *The following items must be verified and checked off prior to pressure testing BOP equipment*
The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.
All valves on the kill line and choke line will be full opening and will allow straight flow through.
Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.
A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.
Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

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

Operator:	OGRID:
CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	4323
	Action Number: 367916
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	8/5/2024
pkautz	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	8/5/2024
pkautz	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	8/5/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	8/5/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	8/5/2024