Form 3160-3 FORM APPROVED OMB No. 1004-0137 (June 2015) Expires: January 31, 2018 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. NMLC071949 BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. DRILL REENTER 1a. Type of work: 1b. Type of Well: ✓ Oil Well Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing ✓ Single Zone Multiple Zone ZN 34 27 FED STATE COM 609H 2. Name of Operator 9. API Well No. CHEVRON USA INCORPORATED 30-025-55029 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory ANTELOPE RIDGE/WOLFCAMP PO BOX 1392, BAKERSFIELD, CA 93302 (661) 633-4000 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area SEC 34/T23S/R34E/NMP At surface SENW / 2117 FNL / 1946 FWL / LAT 32.262515 / LONG -103.460149 At proposed prod. zone NENW / 25 FNL / 2310 FWL / LAT 32.28278 / LONG -103.458996 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13 State LEA NM 27 miles 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well 1946 feet location to nearest property or lease line, ft. 480.0 (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, 11370 feet / 19012 feet FED: ES0022 applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 3468 feet 06/15/2026 180 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above) 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. 6. Such other site specific information and/or plans as may be requested by the SUPO must be filed with the appropriate Forest Service Office). 25. Signature Name (Printed/Typed) Date (Electronic Submission) CINDY HERRERA-MURILLO / Ph: (432) 687-7866 08/16/2024 Title Permitting Specialist Approved by (Signature) Name (Printed/Typed) Date (Electronic Submission) CODY LAYTON / Ph: (575) 234-5959 04/28/2025 Title Office Assistant Field Manager Lands & Minerals Carlsbad Field Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction



(Continued on page 2)

*(Instructions on page 2)

C-102 Submit Electronically			Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION						Revised July 9, 2024		
Via OCD	Permitting							Submittal			
								Type:	☐ As Drille		
					WELL LOCAT	TION INFORMATION			<u> </u>		
API Nu 30-025	mber 5-55029	N/A	Pool Code	2220		Pool Name AN	TELOPE R	IDGE; W	OLFCAMP		
Propert 33770) 9	N/A	Property Na		ZN 34 27	FED STATE COM			Well Numb	609H	
OGRID	No. 4323		Operator N	ame	CHEVE	RON U.S.A. INC.				vel Elevation 3467'	
Surface	Owner:	State 🗷 Fee	□ Tribal 🛚	Federal		Mineral O	wner: Stat	te 🗆 Fee	□ Tribal 🏻 F	ederal	
					Sur	face Location					
UL	Section	Township	Range	Lot	Ft. from North		Latitude		ongitude	County	
F	34	23S	34E	N/A	2117	1946	32.2625	13° N 10	3.460149° W	LEA	
	<u> </u>	r			-	m Hole Location	1	<u> </u>			
UL C	Section 27	Township 23S	Range 34E	Lot N/A	Ft. from North 25	Ft. from West	Latitude 32.28277		ongitude 3.458996° W	County LEA	
C	21	235	34E	N/A	25	2310	32.2021	76 N 10	3.436990 W	LEA	
	ted Acres	Infill or Defin	DEVIDING THEAT			NO	Overlapping Spacing Unit (Y/N) Consolidation Code NO C				
Order N	lumbers.		N/A	•		Well setbacks are under Common C			nip: ⊠Yes □N	No	
,					Kick (Off Point (KOP)					
UL	Section	Township	Range	Lot	Ft. from North		Latitude	L	ongitude	County	
F	34	23S	34E	N/A	2540	2310	32.26134	48° N 10	3.458967° W	LEA	
					First T	ake Point (FTP)					
UL F	Section 34	Township 23S	Range 34E	Lot N/A	Ft. from North 2540	Ft. from West 2310	Latitude 32.26134		ongitude 3.458967° W	County LEA	
					Last T	ake Point (LTP)					
UL	Section	Township	Range	Lot	Ft. from North	Ft. from West	Latitude		ongitude	County	
С	27	23S	34E	N/A	100	2310	32.28257	70° N 10	3.458996° W	LEA	
					•	•	•	•			
Unitized	d Area or A	rea of Uniform N/A	Interest	Spacing	Unit Type 🛛 H	lorizontal □ Vertical	Grou	nd Floor Ele	evation:	3467'	
OPERA	TOR CER	TIFICATIONS				SURVEYOR CERTIF	ICATIONS				
the best well, tha	of my knowle t this organiz	ne information co edge and belief, ation either own cluding the prop	and, if the wel s a working in	l is a vertica terest or un	al or directional leased mineral	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys.				from field notes	
interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.					SHAD L. HAR	CROM					
If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.					[a]	From (From)		171			
Nic	ole 1 a	ylor	06	/10/20	25	00/04/202	25/35/	Ma	d Ha	ww	
Signatur		7	Da	ate		Signature and Seat of St	Signature and Seal of Pibles sional Surveyor CHAD HARCROW				
Nicol Printed 1	<u>e Taylo</u>	<u>r</u>				Certificate Number	Date of Sur				
		⊘ - I					Date of our	•			
Picole Email Ad		@chevron	i.com			17777		N	I/A		

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

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

(NAD 27 NM E)

ZN 34 27 FED STATE COM NO. 609H WELLX=770,060.56
Y=460,274.53
LAT.32.262390°N
LONG.103.459673°W

PROPOSED FIRST TAKE POINT/KICK OFF POINT X=770,429.22 Y=459,853.77 LAT.32.261225°N LONG.103.458491°W

PPP #1 X=770,417.04 Y=461,073.73 LAT.32.264579°N LONG.103.458499°W PPP #2 X=770,403.85 Y=462,393.65 LAT.32.268207°N LONG.103.458507°W

PROPOSED LAST TAKE POINTX=770,357.55
Y=467,574.10
LAT.32.282447°N
LONG.103.458520°W

PROPOSED BOTTOM HOLE LOCATION X=770,356.88 Y=467,649.09 LAT.32.282654°N LONG.103.458520°W

(NAD 83/2011 NM E)

ZN 34 27 FED STATE COM NO. 609H WELLX=811,244.78
Y=460,333.20
LAT.32.262513°N
LONG.103.460149°W

PROPOSED FIRST TAKE POINT/KICK OFF POINTX=811,613.46
Y=459,912.44
LAT.32.261348°N

PPP #1X=811,601.25
Y=461,132.42
LAT.32.264702°N
LONG.103.458975°W

PPP #2 X=811,588.03 Y=462,452.38 LAT.32.268330°N LONG.103.458983°W

LONG.103.458967°W

PROPOSED LAST TAKE POINT X=811,541.62 Y=467,632.94 LAT.32.282570°N LONG.103.458996°W PROPOSED BOTTOM HOLE LOCATION X=811,540.95 Y=467,707.94 LAT.32.282776°N LONG.103.458996°W

CORNER COORDINATES (NAD 27 NM E)

A - X=768046.73, Y=467656.04 1913 GLO BC

B - X=769367.04, Y=467666.36

C - X=770687.36, Y=467676.68 1913 GLO BC

D - X=773323.61, Y=467696.62

E - X=768093.92, Y=462375.37 3/4" IP

F - X=769414.05, Y=462385.82

G - X=770734.18, Y=462396.26 1913 GLO BC

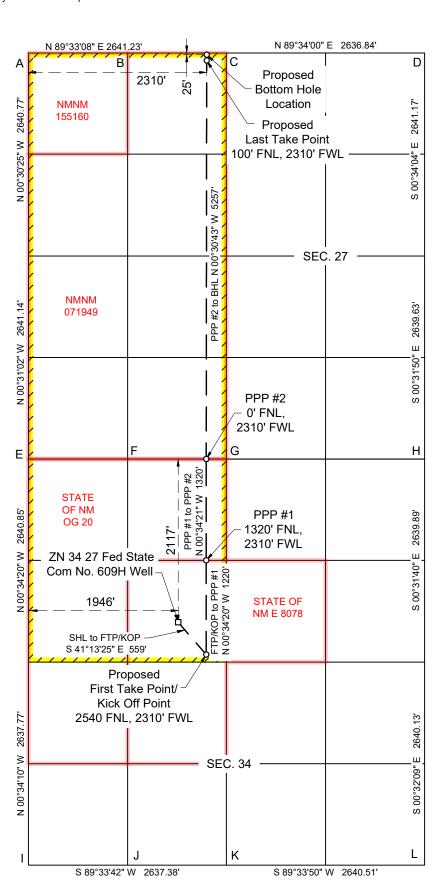
H - X=773374.21, Y=462417.09 1913 GLO BC

I - X=768146.50, Y=457098.05 1913 GLO BC

J - X=769464.90, Y=457108.14

K - X=770783.29, Y=457118.23 1913 GLO BC

L - X=773423.21, Y=457138.32 1913 GLO BC



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 <u>Effective May 25, 2021</u>

I. Operator: <u>Chevron USA</u>	<u>Inc</u>		OGRID: <u>4323</u>	-	Date: <u>07</u> /_ <u>3_/_2024</u>		
II. Type: ⊠ Original □ Amend If Other, please describe:	lment due to □	l 19.15.27.9.D(0	5)(a) NMAC □ 19	.15.27.9.D(6)(b)	NMAC □ Other.		
III. Well(s): Provide the following be recompleted from a single we				l or set of wells p	proposed to be dril	led or proposed to	
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D	
ZN 34 27 FED STATE COM 407H	Pending	UL-F Sec 34 23S 34E	2117'FNL 1846' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	
ZN 34 27 FED STATE COM 408H	Pending	UL-F Sec34 23S 34E	2117'FNL 1886' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	
ZN 34 27 FED STATE COM 409H	Pending	UL-F Sec34 23S 34E	2117'FNL 1926' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	
ZN 34 27 FED STATE COM 607H	Pending	UL-F Sec34 23S 34E	2117'FNL 1866' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	
ZN 34 27 FED STATE COM 608H	Pending	UL-F Sec34 23S 34E	2117'FNL 1906' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	
ZN 34 27 FED STATE COM 609H	Pending	UL-F Sec34 23S 34E	2117'FNL 1946' FWL	1740 BBL/D	3555 MCF/D	3035 BBL/D	

IV. Central Delivery Point Name: Central Tank Battery 34 [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	Completion	Initial Flow	First Production
			Date	Commencement	Back Date	Date
				Date		
ZN 34 27 FED STATE COM	Pending	06/15/2026	N/A	N/A	N/A	N/A
407H						
ZN34 27 FED STATE COM	Pending	<u>07/03/2026</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
408H						
ZN 34 27 FED STATE COM	Pending	<u>07/21/2026</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
409H						
ZN 34 27 FED STATE COM	Pending	<u>08/08/2026</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
607H						
ZN 34 27 FED STATE COM	Pending	08/26/2026	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
608H						

ZN 34 27 FED STATE COM	Pending	09/13/2026	<u>N/A</u>	<u>N/A</u>	N/A	<u>N/A</u>
609H						

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. \square 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 🗆 w	vill □ will not have	capacity to gather	100% of the anticipated	natural gas
production volume from the well p	prior to the date of first pro	oduction.			

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

	Ш.	Attacl	h (Operator	's p	lan to	manage	product	ion in	response	e to t	he increase	b£	line 1	pressure
1	_			, p • 1 · · · · · ·	~ ~			promote							p1 - 555 - 51 - 5

XIV.	Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in
Section	on 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 w	nich confidentiality is asserted and the basis for such assertion.

(i)

Section 3 - Certifications <u>Effective May 25, 2021</u>

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: power generation on lease; (a) **(b)** power generation for grid; compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

Section 4 - Notices

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

other alternative beneficial uses approved by the division.

- (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:	dy Herrera-Murillo
Printed Name:	dy Herrera-Murillo Cindy Herrera-Murillo
Title:	Sr HSE Regulatory affairs Coordinator
E-mail Address:	eeof@chevron.com
Date:	07/08/2024
Phone:	575-263-0431
	OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:	
Title:	
Approval Date:	
Conditions of Appro	val:

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.

Well Name: ZN 34 27 FED STATE COM Well Number: 609H

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. "

Requesting Variance? YES

Variance request: 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.

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20240812141540.pdf

BLM_5M_Intermediate_BOP_and_Choke_Manifold_NEW_20240812141613.pdf

BOP Diagram Attachment:

Choke_and_Flex_Hose_COC_7660103_20240812141706.pdf

Digital BOP Testing RV2 20240812141629.pdf

MultiBowl_Wellhead_Specs_20240812141719.pdf

1.03 WH NM Slim Hole DM100312151 20240812141729.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	947	0	947	3468	2521	947	J-55	54.5	BUTT	2.58	1.8	BUOY	17.6 1	BUOY	16.5 3
2		12.2 5	9.0	NEW	API	N	0	5110	0	5067	3468	-1599	5110	L-80	-	OTHER - BTC/LTC	1.34	1.94	BUOY	4.67	BUOY	4.52
3	INTERMED IATE	8.75	7.0	NEW	API	N	0	10840	0	10797	3468	-7329	10840	P- 110		OTHER - BLUE	1.6	2.44	BUOY	2.97	BUOY	2.97
4	PRODUCTI ON	6.12 5	5.0	NEW	API	N	10640	11290	10597	11197	-7129	-7729		P- 110		OTHER - W513	1.08	2.33	BUOY	1.83	BUOY	2.88
5	PRODUCTI ON	6.25	4.5	NEW	API	N	11290	19012	11197	11370	-7729	-7902	7722	P- 110		OTHER - W521	1.08	2.33	BUOY	1.83	BUOY	2.88

Well Name: ZN 34 27 FED STATE COM Well Number: 609H

Casing .	Attachments	S
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Casing ID: 1

String

SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375in_BTC_54.5ppf_J55_20240812142514.pdf

Casing ID: 2

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625in_BTC_40ppf_L80_20240812142534.pdf

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7in_Blue_SD_29ppf_P110_20240812142547.pdf

Well Name: ZN 34 27 FED STATE COM Well Number: 609H

Casing Attachments

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

 $5 in_Wedge_513_18 ppf_P110_20240812142605.pdf$

Casing ID: 5

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

4.5in_Wedge_521_11.6ppf_P110_20240812142727.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Тор МD	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	947	504	1.63	13.6	822	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		0	0	0	0	0	0	0	N/A	N/A

INTERMEDIATE	Lead	0	4110	728	229	11.5	1668	25		Extender, Antifoam, Retarder, Viscosifier
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Well Name: ZN 34 27 FED STATE COM Well Number: 609H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		4110	5110	263	1.63	12.6	429	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		1	9840	483	3.52	10.5	1699	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		9840	1084 0	124	1.52	12.6	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		1064 0	1901 2	648	1.52	12.6	986	25	CLASS H	Extender, Antifoam, Retarder, Viscosifier

Section 5 - Circulating Medium

Mud System Type: Open

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

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)	H	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	947	SPUD MUD	8.3	8.9							

Well Name: ZN 34 27 FED STATE COM Well Number: 609H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	РН	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
947	5110	SALT SATURATED	8.3	10							Saturated brine would be used through salt sections.
5110	1084 0	WATER-BASED MUD	8.3	9.5							
1084	1901 2	OIL-BASED MUD	9.3	12							Due to wellbore instability in the lateral, may exceed the MW 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

ZN 33 28 FED STATE COM 609H is satisfying the neutron logging requirement for this pad.

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: 7095 Anticipated Surface Pressure: 4593

Anticipated Bottom Hole Temperature(F): 198

Anticipated abnormal pressures, temperatures, or potential geologic hazards? YES

Describe:

Pressure ramp begins in the bottom of the Third Bone Spring formation

Contingency Plans geoharzards 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

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

Well Name: ZN 34 27 FED STATE COM Well Number: 609H

Chevron_Standard_H2S_Contingency_Plan_2022_20240812144319.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

CUSA_Spudder_Rig_Data_20240812144424.pdf

Visio_6_well_rig_layout_20240812144412.pdf

DefPlan100ft_ZN3427FedStateComNo.609H_R0_20240816084832.pdf

ZN_34_27_FED_STATE_COM_609H_Well_Plat_Cert_7_26_24_20240816084925.pdf

Other proposed operations facets description:

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.

Shallow rig may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.

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

Other proposed operations facets attachment:

- 1_Waste_Minimization_Plan_Cover_Sheet_20240813134359.pdf
- 3_Operational_Best_Management_Practices_20240812144628.pdf
- 4b__LEA_County___Bone_Spring_Production_20240813134413.pdf

Gas_Management_Plan___ZN_Pad_5_20240812144608.pdf

Other Variance attachment:



ZN 34 27 Fed State Com No. 609H R0 mdv 11Jul24 Proposal Geodetic Report



Report Date: Client: Field: Field:
Structure / Slot:
Well:
Borehole:
UBHI / API#:
Survey Name:
Survey Date:
Tort / AHD / DDI / ERD Ratio:
Coordinate Reference System Tort / AHD / DDI / ERD Ratio: Coordinate Reference System: Location Lat / Long: Location Grid NE Y/X: CRS Grid Convergence Angle: Grid Scale Factor: Version / Patch:

July 12, 2024 - 03:50 PM (UTC 0)
Chevron
NM, Lea County (NAD 27 EZ)
Chevron 2N Pad 5 / 609H
ZN 34 27 Fed State Com No. 609H
ZN 34 27 Fed State Com No. 609H
Unknown / Unknown
ZN 34 ZF 64 State Com No. 609H RO mdv 11Jul/24
July 12, 2024
July 12, 2024
NBD 27 New Moxico State Prane, Eastern Zone, US Feet
32:1544.60.93171, 103:2734.82229*W
N 460274.530 RUS , E 77060.560 RUS
0.486°
0.99999282(Applied)
2024.3.0.6

Def Plan

Survey / DLS Computation:
Vertical Section Azimuth:
Vertical Section Origin:
TVD Reference Datum:
TVD Reference Datum:
TVD Reference Elevation:
Seabed / Ground Elevation:
Magnetic Declination:
Total Gravity Field Strength:
Gravity Model:
Total Magnetic Field Strength:
Magnetic Dip Angle:
Declination Date:
Magnetic Dip Angle:
Declination Date:
Magnetic Declination Model:
North Reference
Grid Convergence Used:
Total Corwing Months-Offd North
Local Coord Referenced To:

Minimum Curvature / Lubinski 359.470 '(GRID North) 0.000 ft, 0.000 ft RKB 3495.000 ft above MSL 3467.000 ft above MSL 62.49° 998.4603mgn (9.80665 Based) GARM 47453.85 nT 59.77° July 28, 2023 HDGN 2023 Grid North 0.466° 5.782° Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	138.74	0.00	-3,495.00	0.00	0.00	0.00		460,274.53	770,060.56	32.26239009	-103.45967286
	100.00 200.00	0.00	141.81 141.81	100.00 200.00	-3,395.00 -3,295.00	0.00	0.00	0.00	0.00	460,274.53 460,274.53	770,060.56 770.060.56	32.26239009 32.26239009	-103.45967286 -103.45967286
	300.00	0.00	141.81	300.00	-3,195.00	0.00	0.00	0.00	0.00	460,274.53	770,060.56	32.26239009	-103.45967286
Build 1.5°/100ft	400.00 500.00	0.00 1.50	141.81 141.81	400.00 499.99	-3,095.00 -2,995.01	0.00 -1.04	0.00 -1.03	0.00 0.81	0.00 1.50	460,274.53 460,273.50	770,060.56 770,061.37	32.26239009 32.26238724	-103.45967286 -103.45967026
	600.00	3.00	141.81	599.91	-2,895.09	-4.14	-4.11	3.24	1.50	460,270.42	770,061.37	32.26237871	-103.45966249
	700.00	4.50	141.81	699.69	-2,795.31	-9.32	-9.25	7.28	1.50	460,265.28	770,067.84	32.26236449	-103.45964955 -103.45963144
	800.00 900.00	6.00 7.50	141.81 141.81	799.27 898.57	-2,695.73 -2,596.43	-16.56 -25.87	-16.45 -25.68	12.94 20.21	1.50 1.50	460,258.08 460,248.85	770,073.50 770,080.77	32.26234459 32.26231904	-103.45963144
Rustler (RSLR)	946.87	8.20	141.81	945.00	-2,550.00	-30.94	-30.71	24.16	1.50	460,243.82	770,084.72	32.26230512	-103.45959550
Hold	999.83 1,000.00	9.00 9.00	141.81 141.81	997.37 997.54	-2,497.63 -2,497.46	-37.21 -37.23	-36.94 -36.96	29.06 29.08	1.50 0.00	460,237.59 460,237.57	770,089.62 770,089.64	32.26228790 32.26228785	-103.45957982 -103.45957977
	1,100.00	9.00	141.81	1,096.31	-2,398.69	-49.61	-49.25	38.75	0.00	460,225.28	770,099.31	32.26225385	-103.45954881
	1,200.00 1,300.00	9.00 9.00	141.81 141.81	1,195.07 1,293.84	-2,299.93 -2,201.16	-61.99 -74.37	-61.54 -73.83	48.42 58.09	0.00	460,212.99 460,200.70	770,108.98 770,118.65	32.26221985 32.26218585	-103.45951786 -103.45948690
Saldo (SLDO)	1,310.28	9.00	141.81	1,304.00	-2,191.00	-75.64	-75.10	59.08	0.00	460,199.43	770,119.64	32.26218235	-103.45948372
	1,400.00 1,500.00	9.00 9.00	141.81 141.81	1,392.61 1,491.38	-2,102.39 -2,003.62	-86.75 -99.13	-86.12 -98.41	67.76 77.43	0.00 0.00	460,188.41 460,176.12	770,128.32 770,137.99	32.26215185 32.26211785	-103.45945594 -103.45942499
	1,600.00	9.00	141.81	1,590.15	-1,904.85	-111.51	-110.71	87.10	0.00	460,163.83	770,147.66	32.26208385	-103.45939403
	1,700.00 1,800.00	9.00 9.00	141.81 141.81	1,688.92 1.787.69	-1,806.08 -1,707.31	-123.89 -136.27	-123.00 -135.29	96.77 106.44	0.00	460,151.53 460,139.24	770,157.33 770,167.00	32.26204985 32.26201585	-103.45936307 -103.45933212
	1,900.00	9.00	141.81	1,886.46	-1,608.54	-148.65	-147.58	116.11	0.00	460,126.95	770,176.67	32.26198185	-103.45930116
	2,000.00 2.100.00	9.00 9.00	141.81 141.81	1,985.23 2.084.00	-1,509.77 -1,411.00	-161.03 -173.41	-159.87 -172.16	125.78 135.45	0.00	460,114.66 460,102.37	770,186.34 770,196.01	32.26194785 32.26191385	-103.45927021 -103.45923925
	2,200.00	9.00	141.81	2,182.77	-1,312.23	-185.79	-184.45	145.12	0.00	460,090.08	770,205.68	32.26187985	-103.45920829
	2,300.00 2.400.00	9.00 9.00	141.81 141.81	2,281.54 2.380.31	-1,213.46 -1,114.69	-198.17 -210.55	-196.74 -209.03	154.79 164.46	0.00	460,077.79 460,065.50	770,215.35 770,225.02	32.26184585 32.26181185	-103.45917734 -103.45914638
	2,500.00	9.00	141.81	2,479.08	-1,114.69	-210.55	-209.03	174.13	0.00	460,053.21	770,225.02	32.26177785	-103.45914638
	2,600.00	9.00	141.81	2,577.85	-917.15	-235.31	-233.62	183.80	0.00	460,040.92	770,244.36	32.26174385	-103.45908447
	2,700.00 2,800.00	9.00 9.00	141.81 141.81	2,676.62 2,775.39	-818.38 -719.61	-247.69 -260.07	-245.91 -258.20	193.47 203.14	0.00	460,028.62 460,016.33	770,254.03 770,263.70	32.26170985 32.26167585	-103.45905351 -103.45902256
	2,900.00	9.00	141.81	2,874.16	-620.84	-272.45	-270.49	212.81	0.00	460,004.04	770,273.37	32.26164185	-103.45899160
Castile (CSTL)	3,000.00 3.026.40	9.00 9.00	141.81 141.81	2,972.93	-522.07 -496.00	-284.83 -288.09	-282.78 -286.03	222.48 225.03	0.00	459,991.75 459,988.51	770,283.04 770,285.59	32.26160785 32.26159887	-103.45896065 -103.45895247
	3,100.00	9.00	141.81	3,071.70	-423.30	-297.21	-295.07	232.15	0.00	459,979.46	770,292.71	32.26157385	-103.45892969
	3,200.00 3,300.00	9.00 9.00	141.81 141.81	3,170.47 3,269.23	-324.53 -225.77	-309.59 -321.97	-307.36 -319.65	241.82 251.49	0.00 0.00	459,967.17 459,954.88	770,302.38 770,312.05	32.26153985 32.26150585	-103.45889873 -103.45886778
	3,400.00	9.00	141.81	3,368.00	-127.00	-334.35	-331.94	261.16	0.00	459,942.59	770,321.72	32.26147185	-103.45883682
	3,500.00 3,600.00	9.00 9.00	141.81 141.81	3,466.77 3,565.54	-28.23 70.54	-346.73 -359.11	-344.24 -356.53	270.83 280.50	0.00	459,930.30 459,918.01	770,331.39 770,341.06	32.26143785 32.26140385	-103.45880587 -103.45877491
	3,700.00	9.00	141.81	3,664.31	169.31	-371.49	-368.82	290.17	0.00	459,905.72	770,350.73	32.26136985	-103.45874395
	3,800.00 3,900.00	9.00 9.00	141.81 141.81	3,763.08 3,861.85	268.08 366.85	-383.87 -396.25	-381.11 -393.40	299.84 309.51	0.00 0.00	459,893.42 459,881.13	770,360.40 770,370.07	32.26133585 32.26130184	-103.45871300 -103.45868204
Drop .75°/100ft	3,915.64	9.00	141.81	3,877.30	382.30	-398.18	-395.32	311.03	0.00	459,879.21	770,371.58	32.26129653	-103.45867720
	4,000.00 4,100.00	8.36 7.61	141.81 141.81	3,960.69 4,059.72	465.69 564.72	-408.26 -419.26	-405.33 -416.25	318.90 327.49	0.75 0.75	459,869.20 459,858.28	770,379.46 770,388.05	32.26126885 32.26123863	-103.45865200 -103.45862449
	4,200.00	6.86	141.81	4,059.72	663.92	-429.24	-426.16	335.29	0.75	459,848.38	770,386.03	32.26121123	-103.45859954
	4,300.00 4.400.00	6.11 5.36	141.81 141.81	4,258.28 4,357.78	763.28 862.78	-438.19 -446.10	-435.04 -442.90	342.27 348.46	0.75 0.75	459,839.49 459.831.63	770,402.83 770,409.02	32.26118666 32.26116491	-103.45857717 -103.45855737
	4,500.00	4.61	141.81	4,457.40	962.40	-452.99	-449.74	353.84	0.75	459,824.80	770,409.02	32.26114601	-103.45854016
	4,600.00 4,700.00	3.86	141.81 141.81	4,557.13 4.656.94	1,062.13 1,161.94	-458.84 -463.66	-455.55 -460.33	358.41 362.17	0.75 0.75	459,818.99 459.814.20	770,418.96 770,422.73	32.26112993 32.26111670	-103.45852552 -103.45851348
	4,700.00	3.11 2.36	141.81 141.81	4,656.94	1,161.94 1,261.82	-463.66 -467.44	-460.33 -464.09	362.17	0.75	459,814.20 459,810.45	770,422.73	32.26111670	-103.45851348 -103.45850401
	4,900.00	1.61	141.81	4,856.76	1,361.76	-470.19	-466.82	367.27	0.75	459,807.72	770,427.83	32.26109876	-103.45849714
	5,000.00 5.100.00	0.86 0.11	141.81 141.81	4,956.74 5.056.73	1,461.74 1.561.73	-471.91 -472.58	-468.52 -469.19	368.61 369.14	0.75 0.75	459,806.02 459.805.35	770,429.17 770.429.70	32.26109405 32.26109220	-103.45849286 -103.45849117
Hold Vertical	5,115.31	0.00	141.81	5,072.04	1,577.04	-472.59	-469.20	369.15	0.75	459,805.33	770,429.71	32.26109216	-103.45849114
Lamar (LMAR) Bell Canyon (BEL)	5,130.27 5.174.27	0.00	141.81 141.81	5,087.00 5.131.00	1,592.00 1,636.00	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770.429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
, (,	5,200.00	0.00	141.81	5,156.73	1,661.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	5,300.00 5,400.00	0.00	141.81 141.81	5,256.73 5,356.73	1,761.73 1,861.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00 0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	5,500.00	0.00	141.81	5,456.73	1,961.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	5,600.00 5,700.00	0.00	141.81 141.81	5,556.73 5,656.73	2,061.73 2,161.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	5,800.00	0.00	141.81	5,756.73	2,261.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	5,900.00 6,000.00	0.00	141.81 141.81	5,856.73 5,956.73	2,361.73 2,461.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00 0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
Cherry Canyon (CHR)	6,041.27	0.00	141.81	5,998.00	2,503.00	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	6,100.00 6,200.00	0.00	141.81 141.81	6,056.73 6,156.73	2,561.73 2,661.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	6,300.00	0.00	141.81	6,256.73	2,761.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	6,400.00 6,500.00	0.00	141.81 141.81	6,356.73 6.456.73	2,861.73 2,961.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459.805.33	770,429.71 770.429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	6,600.00	0.00	141.81	6,556.73	3,061.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	6,700.00 6.800.00	0.00	141.81 141.81	6,656.73 6,756.73	3,161.73 3,261.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459.805.33	770,429.71 770.429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	6,900.00	0.00	141.81	6,856.73	3,361.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	7,000.00 7,100.00	0.00	141.81 141.81	6,956.73 7,056.73	3,461.73 3,561.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00 0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	7,200.00	0.00	141.81	7,156.73	3,661.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	7,300.00	0.00	141.81	7,256.73	3,761.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114 -103.45849114
Brushy Canyon (BCN)	7,400.00 7,412.27	0.00	141.81 141.81	7,356.73 7,369.00	3,861.73 3,874.00	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114
	7,500.00	0.00	141.81	7,456.73	3,961.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114 -103.45849114
	7,600.00 7,700.00	0.00	141.81 141.81	7,556.73 7,656.73	4,061.73 4,161.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00 0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114
	7,800.00	0.00	141.81	7,756.73	4,261.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	7,900.00 8,000.00	0.00	141.81 141.81	7,856.73 7,956.73	4,361.73 4,461.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	8,100.00	0.00	141.81	8,056.73	4,561.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71		-103.45849114
	8,200.00 8,300.00	0.00	141.81 141.81	8,156.73 8,256.73	4,661.73 4,761.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	8,400.00	0.00	141.81	8,356.73	4,861.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	8,500.00 8,600.00	0.00	141.81 141.81	8,456.73 8,556.73	4,961.73 5,061.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	8,700.00	0.00	141.81	8,656.73	5,161.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
Upper Avalon (AVU)	8,788.27 8.800.00	0.00	141.81 141.81	8,745.00 8,756.73	5,250.00 5,261.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459.805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	8,900.00	0.00	141.81	8,856.73	5,361.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	9,000.00 9,100.00	0.00	141.81 141.81	8,956.73 9.056.73	5,461.73 5,561.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459.805.33	770,429.71 770.429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
Lower Avalon (AVL)	9,167.27	0.00	141.81	9,124.00	5,629.00	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	9,200.00	0.00	141.81	9,156.73	5,661.73	-472.59 -472.59	-469.20 -469.20	369.15	0.00	459,805.33	770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	9,300.00 9,400.00	0.00	141.81 141.81	9,256.73 9,356.73	5,761.73 5,861.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216	-103.45849114 -103.45849114
	9,500.00	0.00	141.81	9,456.73	5,961.73	-472.59	-469.20 -469.20	369.15	0.00	459,805.33	770,429.71		-103.45849114 -103.45849114
	9,600.00	0.00	141.81	9,556.73	6,061.73	-472.59	-409.ZU	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.40049114

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
5.0.0.1.1.500	9,700.00	0.00	141.81	9,656.73	6,161.73	-472.59	-469.20	369.15	0.00	459,805.33 459,805.33	770,429.71	32.26109216	-103.45849114
First Bone Spring Upper (FBU)	9,756.27 9,800.00	0.00	141.81 141.81	9,713.00 9,756.73	6,218.00 6,261.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
First Bone Spring Lower (FBL)	9,900.00 9,943.27	0.00	141.81 141.81	9,856.73 9.900.00	6,361.73 6,405.00	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
That build opining Lower (1 DL)	10,000.00	0.00	141.81	9,956.73	6,461.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	10,100.00 10,200.00	0.00	141.81 141.81	10,056.73 10,156.73	6,561.73 6,661.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
Second Bone Spring Upper (SBU)	10,229.27 10.300.00	0.00	141.81 141.81	10,186.00 10,256.73	6,691.00 6,761.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459.805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
	10,400.00	0.00	141.81	10,356.73	6,861.73	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	10,500.00 10,600.00	0.00	141.81 141.81	10,456.73 10,556.73	6,961.73 7,061.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
Second Bone Spring Lower (SBL)	10,651.27	0.00	141.81	10,608.00	7,113.00	-472.59	-469.20	369.15	0.00	459,805.33	770,429.71	32.26109216	-103.45849114
	10,700.00 10,800.00	0.00	141.81 141.81	10,656.73 10,756.73	7,161.73 7,261.73	-472.59 -472.59	-469.20 -469.20	369.15 369.15	0.00	459,805.33 459,805.33	770,429.71 770,429.71	32.26109216 32.26109216	-103.45849114 -103.45849114
Build 10°/100ft	10,840.31 10,900.00	0.00 5.97	141.81 359.43	10,797.04 10.856.63	7,302.04 7,361.63	-472.59 -469.49	-469.20 -466.09	369.15 369.12	0.00 10.00	459,805.33 459,808.44	770,429.71 770,429.68	32.26109216 32.26110070	-103.45849114 -103.45849115
FTD 0	11,000.00	15.97	359.43	10,954.68	7,459.68	-450.48	-447.09	368.93	10.00	459,827.44	770,429.49	32.26115294	-103.45849126
FTP Cross	11,079.04 11,100.00	23.87 25.97	359.43 359.43	11,028.93 11,047.93	7,533.93 7,552.93	-423.57 -414.74	-420.18 -411.35	368.66 368.58	10.00 10.00	459,854.35 459,863.18	770,429.22 770,429.13	32.26122691 32.26125118	-103.45849142 -103.45849147
Third Bone Spring (TBS)	11,200.00 11,276.08	35.97 43.58	359.43 359.43	11,133.57 11,192.00	7,638.57 7,697.00	-363.35 -314.71	-359.96 -311.32	368.07 367.58	10.00 10.00	459,914.57 459,963.21	770,428.62 770,428.14	32.26139245 32.26152614	-103.45849176 -103.45849204
Tilld Boile Opinig (TBO)	11,300.00	45.97	359.43	11,208.98	7,713.98	-297.87	-294.48	367.42	10.00	459,980.05	770,427.97	32.26157244	-103.45849214
Wolfcamp A (WCA)	11,400.00 11,405.63	55.97 56.53	359.43 359.43	11,271.87 11,275.00	7,776.87 7,780.00	-220.28 -215.60	-216.90 -212.22	366.65 366.60	10.00 10.00	460,057.63 460,062.31	770,427.20 770,427.16	32.26178569 32.26179856	-103.45849258 -103.45849261
, , ,	11,500.00 11,600.00	65.97 75.97	359.43 359.43	11,320.34 11,352.90	7,825.34 7,857.90	-132.96 -38.54	-129.58 -35.17	365.78 364.84	10.00 10.00	460,144.95 460,239.36	770,426.34 770,425.40	32.26202573 32.26228525	-103.45849308 -103.45849362
	11,700.00	85.97	359.43	11,368.58	7,873.58	60.09	63.46	363.87	10.00	460,337.99	770,424.42	32.26255637	-103.45849419
Landing Point	11,740.30 11.800.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7.875.00	100.36 160.06	103.73 163.42	363.47 362.87	10.00 0.00	460,378.26 460,437.95	770,424.02 770,423.43	32.26266706 32.26283115	-103.45849442 -103.45849476
	11,900.00	90.00	359.43	11,370.00	7,875.00	260.06	263.42	361.88	0.00	460,537.94	770,422.44	32.26310602	-103.45849533
	12,000.00 12,100.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	360.06 460.06	363.41 463.41	360.89 359.90	0.00	460,637.94 460,737.93	770,421.45 770,420.45	32.26338089 32.26365576	-103.45849591 -103.45849648
	12,200.00 12,300.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	560.06 660.06	563.40 663.40	358.90 357.91	0.00	460,837.93 460,937.92	770,419.46 770,418.47	32.26393063 32.26420550	-103.45849705 -103.45849762
	12,400.00	90.00	359.43	11,370.00	7,875.00	760.06	763.39	356.92	0.00	461,037.91	770,417.48	32.26448038	-103.45849820
	12,500.00 12,600.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	860.06 960.06	863.39 963.38	355.93 354.94	0.00	461,137.91 461,237.90	770,416.48 770,415.49	32.26475525 32.26503012	-103.45849877 -103.45849934
	12,700.00	90.00	359.43	11,370.00	7,875.00	1,060.06	1,063.38	353.94	0.00	461,337.90	770,414.50	32.26530499	-103.45849991
	12,800.00 12,900.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	1,160.06 1,260.06	1,163.37 1,263.37	352.95 351.96	0.00	461,437.89 461,537.89	770,413.51 770,412.52	32.26557986 32.26585474	-103.45850049 -103.45850106
	13,000.00 13,100.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	1,360.06 1,460.06	1,363.36 1,463.36	350.97 349.98	0.00	461,637.88 461,737.87	770,411.52 770,410.53	32.26612961 32.26640448	-103.45850163 -103.45850220
	13,200.00	90.00	359.43	11,370.00	7,875.00	1,560.06	1,563.35	348.98	0.00	461,837.87	770,410.53	32.26667935	-103.45850220
	13,300.00 13,400.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	1,660.06 1,760.06	1,663.35 1,763.34	347.99 347.00	0.00	461,937.86 462,037.86	770,408.55 770,407.56	32.26695422 32.26722909	-103.45850335 -103.45850392
	13,500.00	90.00	359.43	11,370.00	7,875.00	1,860.06	1,863.34	346.01	0.00	462,137.85	770,406.56	32.26750396	-103.45850449 -103.45850507
	13,600.00 13,700.00	90.00 90.00	359.43 359.43	11,370.00 11,370.00	7,875.00 7,875.00	1,960.06 2,060.06	1,963.33 2,063.33	345.01 344.02	0.00	462,237.84 462,337.84	770,405.57 770,404.58	32.26777884 32.26805371	-103.45850507 -103.45850564
PPP, Turn 2°/100ft Hold to TD	13,756.38 13,759.22	90.00 90.00	359.43 359.49	11,370.00 11,370.00	7,875.00 7,875.00	2,116.44 2,119.28	2,119.71 2,122.54	343.46 343.44	0.00 2.00	462,394.22 462,397.05	770,404.02 770,403.99	32.26820869 32.26821648	-103.45850596 -103.45850597
riod to 15	13,800.00	90.00	359.49	11,370.00	7,875.00	2,160.06	2,163.32	343.07	0.00	462,437.83	770,403.63	32.26832858	-103.45850608
	13,900.00 14,000.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	2,260.06 2,360.06	2,263.32 2,363.32	342.18 341.29	0.00	462,537.83 462,637.82	770,402.74 770,401.84	32.26860345 32.26887832	-103.45850633 -103.45850658
	14,100.00	90.00	359.49 359.49	11,370.00	7,875.00	2,460.06 2,560.06	2,463.31 2.563.31	340.39 339.50	0.00	462,737.82	770,400.95	32.26915320 32.26942807	-103.45850683 -103.45850709
	14,200.00 14,300.00	90.00 90.00	359.49	11,370.00 11,370.00	7,875.00 7,875.00	2,660.06	2,663.30	338.61	0.00	462,837.81 462,937.81	770,400.06 770,399.16	32.26970294	-103.45850734
	14,400.00 14,500.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7.875.00	2,760.06 2.860.06	2,763.30 2.863.30	337.71 336.82	0.00	463,037.80 463,137.80	770,398.27 770,397.38	32.26997781 32.27025268	-103.45850759 -103.45850784
	14,600.00	90.00	359.49	11,370.00	7,875.00	2,960.06	2,963.29	335.93	0.00	463,237.79	770,396.48	32.27052755	-103.45850810
	14,700.00 14,800.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	3,060.06 3,160.06	3,063.29 3,163.28	335.03 334.14	0.00	463,337.79 463,437.78	770,395.59 770,394.70	32.27080243 32.27107730	-103.45850835 -103.45850860
	14,900.00 15,000.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	3,260.06 3,360.06	3,263.28 3,363.28	333.25 332.35	0.00	463,537.78 463,637.77	770,393.80 770,392.91	32.27135217 32.27162704	-103.45850885 -103.45850911
	15,100.00	90.00	359.49	11,370.00	7,875.00	3,460.06	3,463.27	331.46	0.00	463,737.77	770,392.02	32.27190191	-103.45850936
	15,200.00 15,300.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	3,560.06 3,660.06	3,563.27 3,663.26	330.57 329.67	0.00	463,837.76 463,937.76	770,391.12 770,390.23	32.27217679 32.27245166	-103.45850961 -103.45850986
	15,400.00 15,500.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	3,760.06 3,860.06	3,763.26 3,863.26	328.78 327.89	0.00	464,037.75 464,137.75	770,389.34 770,388.44	32.27272653 32.27300140	-103.45851011 -103.45851037
	15,600.00	90.00	359.49	11,370.00	7,875.00	3,960.06	3,963.25	326.99	0.00	464,237.74	770,387.55	32.27327627	-103.45851062
	15,700.00 15,800.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	4,060.06 4,160.06	4,063.25 4,163.24	326.10 325.21	0.00	464,337.74 464,437.73	770,386.66 770,385.76	32.27355114 32.27382602	-103.45851087 -103.45851112
	15,900.00	90.00	359.49	11,370.00	7,875.00	4,260.06	4,263.24	324.31	0.00	464,537.73	770,384.87	32.27410089	-103.45851137
	16,000.00 16,100.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	4,360.06 4,460.06	4,363.24 4,463.23	323.42 322.53	0.00	464,637.72 464,737.72	770,383.98 770,383.08	32.27437576 32.27465063	-103.45851163 -103.45851188
	16,200.00 16,300.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7.875.00	4,560.06 4.660.06	4,563.23 4.663.22	321.63 320.74	0.00	464,837.71 464,937.71	770,382.19 770,381.30	32.27492550 32.27520037	-103.45851213 -103.45851238
	16,400.00	90.00	359.49	11,370.00	7,875.00	4,760.06	4,763.22	319.85	0.00	465,037.70	770,380.40	32.27547525	-103.45851263
	16,500.00 16,600.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7.875.00	4,860.06 4,960.06	4,863.22 4,963.21	318.95 318.06	0.00	465,137.70 465,237.69	770,379.51 770,378.62	32.27575012 32.27602499	-103.45851289 -103.45851314
	16,700.00	90.00	359.49	11,370.00	7,875.00	5,060.06	5,063.21	317.17	0.00	465,337.69	770,377.73	32.27629986	-103.45851339 -103.45851364
	16,800.00 16,900.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	5,160.06 5,260.06	5,163.20 5,263.20	316.28 315.38	0.00	465,437.69 465,537.68	770,376.83 770,375.94	32.27657473 32.27684960	-103.45851389
	17,000.00 17,100.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	5,360.06 5,460.06	5,363.20 5.463.19	314.49 313.60	0.00	465,637.68 465,737.67	770,375.05 770,374.15	32.27712447 32.27739935	-103.45851415 -103.45851440
	17,200.00	90.00	359.49	11,370.00	7,875.00	5,560.06	5,563.19	312.70	0.00	465,837.67	770,373.26	32.27767422	-103.45851465
	17,300.00 17,400.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	5,660.06 5,760.06	5,663.18 5,763.18	311.81 310.92	0.00 0.00	465,937.66 466,037.66	770,372.37 770,371.47	32.27794909 32.27822396	-103.45851490 -103.45851515
	17,500.00	90.00	359.49	11,370.00	7,875.00	5,860.06	5,863.18	310.02	0.00	466,137.65	770,370.58 770,369.69	32.27849883	-103.45851541 -103.45851566
	17,600.00 17,700.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	5,960.06 6,060.06	5,963.17 6,063.17	309.13 308.24	0.00	466,237.65 466,337.64	770,368.79	32.27877370 32.27904858	-103.45851591
	17,800.00 17,900.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	6,160.06 6,260.06	6,163.16 6,263.16	307.34 306.45	0.00	466,437.64 466,537.63	770,367.90 770,367.01	32.27932345 32.27959832	-103.45851616 -103.45851641
	18,000.00	90.00	359.49	11,370.00	7,875.00	6,360.06	6,363.16	305.56	0.00	466,637.63	770,366.11	32.27987319	-103.45851666
	18,100.00 18,200.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	6,460.06 6,560.06	6,463.15 6,563.15	304.66 303.77	0.00	466,737.62 466,837.62	770,365.22 770,364.33	32.28014806 32.28042293	-103.45851692 -103.45851717
	18,300.00 18,400.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7.875.00	6,660.06 6,760.06	6,663.14 6,763.14	302.88 301.98	0.00	466,937.61 467,037.61	770,363.43 770,362.54	32.28069780 32.28097267	-103.45851742 -103.45851767
	18,500.00	90.00	359.49	11,370.00	7,875.00	6,860.06	6,863.14	301.09	0.00	467,137.60	770,361.65	32.28124755	-103.45851792
	18,600.00 18,700.00	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	6,960.06 7.060.06	6,963.13 7.063.13	300.20 299.30	0.00	467,237.60 467,337.59	770,360.75 770,359.86	32.28152242 32.28179729	-103.45851817 -103.45851842
	18,800.00	90.00	359.49	11,370.00	7,875.00	7,160.06	7,163.12	298.41	0.00	467,437.59	770,358.97	32.28207216	-103.45851868
LTP Cross	18,900.00 18,937.43	90.00 90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	7,260.06 7,297.49	7,263.12 7,300.55	297.52 297.18	0.00	467,537.58 467,575.01	770,358.07 770,357.74	32.28234703 32.28244992	-103.45851902
ZN 34 27 Fed State Com No. 609H BHL	19,000.00 19,012.42	90.00	359.49 359.49	11,370.00 11,370.00	7,875.00 7,875.00	7,360.06 7,372.48	7,363.12 7,375.54	296.62 296.51	0.00	467,637.58 467,650.00	770,357.18 770,357.07	32.28262190	-103.45851918 -103.45851921
	,. 1474	23.00	220.40	, 0.00	.,	.,	.,		0.00	, , , , , , , , , , , , , , , , ,	,307.07		
Survey Type:	Def F	Plan											

urvey Type: Det Plan
survey Error Model: WPTS Rev 0.

Description Part MD From MD To EOU Freq Hole Size Casing Diameter Inclination Survey Tool Code Vendor / Tool Borehole / Survey

(ft) (ft) (ft) (in) (in) (dea)

B001Mb_MWD+HRGM

1/100.000 25 - 8.75 - 6.125 9.625 - 7 - 6.125

EOU Geometry:			
End MD (ft)	Hole Size (in)	Casing Size (in)	Nan
774.600	17.500	13.375	
2,646.727	12.250	9.625	
8,817.265	8.750	7.000	
19,012.424	6.125		

0.000 20,668.761

ZN 34 27 Fed State Com No. 609H / ZN 34 27 Fed

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: CHEVRON USA INCORPORATED
WELL NAME & NO.: ZN 34 27 FED STATE COM 609H
SURFACE HOLE FOOTAGE: 2117'/N & 1946'/W
BOTTOM HOLE FOOTAGE 25'/N & 2310'/W
LOCATION: Section 34, T.23 S., R.34 E., NMP
COUNTY: Lea County, New Mexico

COA

H2S	• Yes	O No	
Potash	None	© Secretary	© R-111-P
Cave/Karst Potential	• Low	© Medium	C High
Cave/Karst Potential	Critical Critical		
Variance	O None	© Flex Hose	Other
Wellhead	C Conventional	Multibowl	C Both
Wellhead Variance	O Diverter		
Other	□4 String	☐ Capitan Reef	□WIPP
Other	☐ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency	☐ EchoMeter	☐ Primary Cement
	Cement Squeeze		Squeeze
Special Requirements	☐ Water Disposal	☑ COM	□ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements	☑ Break Testing	□ Offline	□ Casing
Variance	_	Cementing	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 947 feet (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 or 17.5 inch in diameter.

- 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.
 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.

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 Choose an item. inch Choose an item. 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.
 - 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 43 CFR 3170.
- 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 43 CFR 3170

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)

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

BLM_NM_CFO_DrillingNotifications@BLM.GOV (575) 361-2822

✓ Lea CountyCall 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
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.

- iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR 3172.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- iii. Manufacturer representative shall install the test plug for the initial BOP test.
- iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
- v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 12/5/2024



Training

MCBU Drilling and Completions H₂S 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 H₂S.

Awareness Level

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H₂S, who are not required to perform work in H₂S areas, will be provided with an awareness level of H₂S training prior to entering any H₂S areas. At a minimum, awareness level training will include:

- 1. Physical and chemical properties of H₂S
- 2. Health hazards of H₂S
- 3. Personal protective equipment
- 4. Information regarding potential sources of H₂S
- 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 H₂S Training

Employees and contractors required to work in areas that may contain H₂S will be provided with Advanced Level H₂S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H₂S training will include:

- 1. H₂S safe work practice procedures.
- 2. Emergency contingency plan procedures.
- 3. Methods to detect the presence or release of H₂S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H₂S equipment.
- 4. Basic overview of respiratory protective equipment suitable for use in H₂S environments.
 - a. 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 H₂S training.
- 6. Proficiency examination covering all course material.

Advanced H₂S training courses will be instructed by personnel who have successfully completed an appropriate H₂S train-the-trainer development course (ANSI/ASSE Z390.1-2006) or who possess significant past experience through educational or work-related background.



H₂S 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 upwind from the well at all times. Upon recognition of an emergency situation, all personnel should assemble at the designated upwind briefing areas for instructions.

H₂S 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 doghouse and one on the Drill Site Manager's Trailer.

H₂S Detection and Monitoring System

- a) H₂S 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.



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

<u>Agency</u>	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

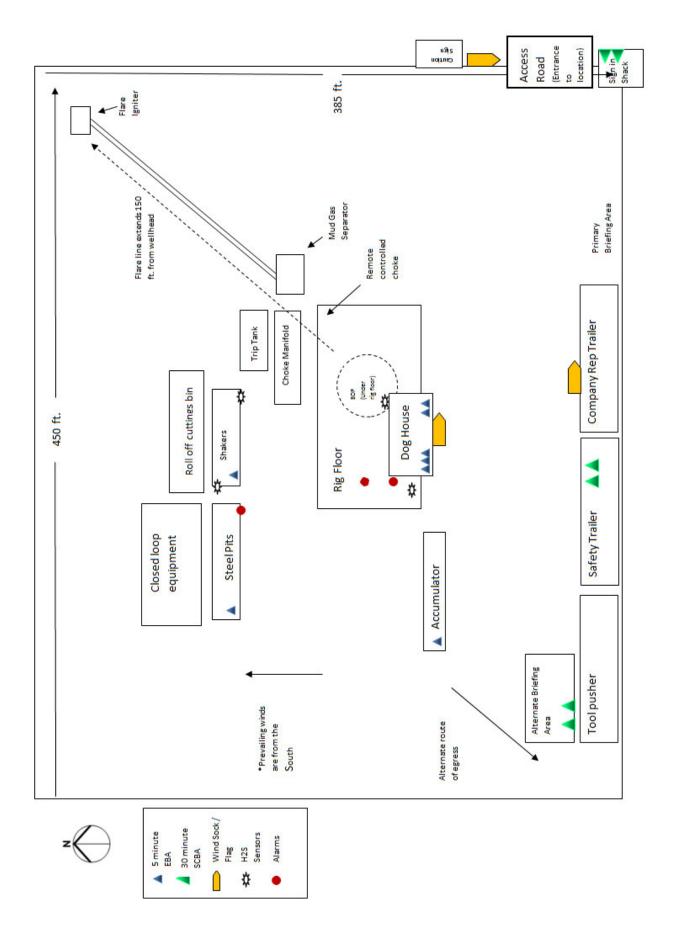


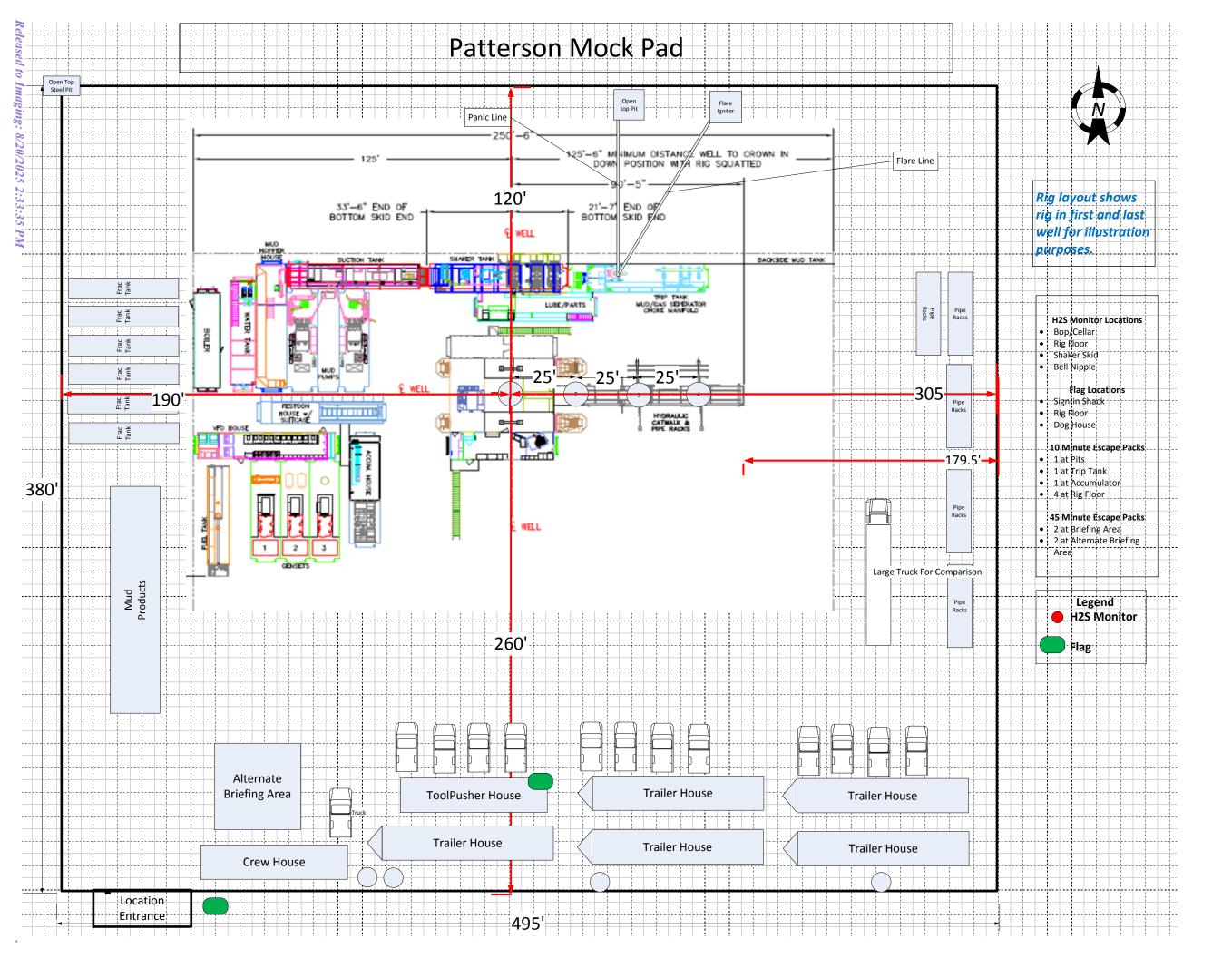
Chevron MCBU D&C Emergency Notifications

Below are lists of contacts to be used in emergency situations.

	Name	Title	Office Number	Cell Phone
1.	TBD	Drilling Engineer		
2.	Ian McWilliam	Superintendent	(661) 770-6030	
3.	Matt Madson	Superintendent	(713) 206-1493	
4.	Nicholas Duhe	Superintendent	(713) 302-2674	
5.	Dennis McHugh	Drilling Manager	(713) 372-4496	
6.	Jay Gagneaux	Operations Manager	(713) 306-1082	
7.	TBD	Wells HSE		
8.	TBD	Completion Engineer		







Well Name: ZN 34 27 FED STATE COM



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

Drilling Plan Data Report

04/29/2025

APD ID: 10400100504

Submission Date: 08/16/2024

Highlighted data reflects the most recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Number: 609H

Well Type: OIL WELL

Well Work Type: Drill

Show Final Text

Section 1 - Geologic Formations

Formation	N	E1 .:	True Vertical			Mineral Resources	
ID	Formation Name	Elevation		Depth	Lithologies		Formatio
15512555	RUSTLER	3468	945	947	SANDSTONE	NONE	N
15512556	SALADO	2164	1304	1310	ANHYDRITE, SALT	NONE	N
15512557	CASTILE	469	2999	3026	ANHYDRITE, SALT	NONE	N
15512558	LAMAR	-1619	5087	5130	LIMESTONE, SHALE	NONE	N
15512559	BELL CANYON	-1663	5131	5174	LIMESTONE, SANDSTONE	NONE	N
15512560	CHERRY CANYON	-2530	5998	6041	LIMESTONE, SILTSTONE	NONE	N
15512561	BRUSHY CANYON	-3901	7369	7412	SHALE, SILTSTONE	NONE	N
15512562	AVALON SAND	-5277	8745	9167	LIMESTONE, SANDSTONE, SHALE	NONE	N
15512563	BONE SPRING 1ST	-6245	9713	9943	SHALE	NONE	N
15512564	BONE SPRING 2ND	-6718	10186	10651	SHALE	NATURAL GAS, OIL	N
15512565	BONE SPRING 3RD	-7724	11192	11276	SHALE	NATURAL GAS, OIL	N
15512566	WOLFCAMP	-7807	11275	11406	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M Rating Depth: 11370

Equipment: "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

BLOWOUT PREVENTER SCHEMATIC

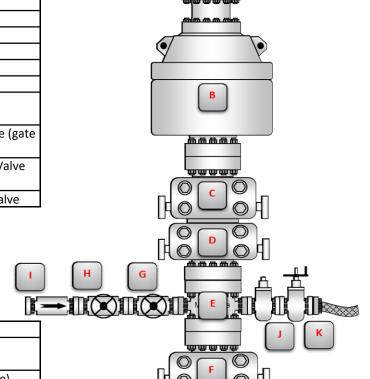
Operation: Intermediate(s)

Minimum System operation pressure

5,000 psi

Flow Line

BOP Stack				
Part	Size	Pressure Rating	Description	
Α	13-5/8"	N/A	Rotating Head/Bell nipple	
В	13-5/8"	5,000	Annular	
С	13-5/8"	5,000	Blind Ram	
D	13-5/8"	5,000	Pipe Ram	
E	13-5/8"	5,000	Mud Cross	
F	13-5/8"	5,000	Pipe Ram	
<u>Kill Line</u>				
Part	Size	Pressure	Description	
- unc	5120	Rating	Description	
G	2"	5,000	Inside Kill Line Valve (gate	
,	2	3,000	valve)	
н	2"	5,000	Outside Kill Line Valve	
	2	3,000	(gate valve)	
I	2"	5,000	Kill Line Check valve	



<u>Choke line</u>					
Part	Size	Pressure	Description		
Part	Size	Rating	Description		
J	3"	5,000	HCR (gate valve)		
K	3"	5,000	Manual HCR (gate valve)		
	Wellhead				
Part	Size	Pressure	Description		
Part	Size	Rating			
L	13-5/8"	5,000	FMC 5M/10M 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.

The kill line and choke line will be straight unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and reduce vibration.

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.

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

ACKNOWLEDGMENTS

Action 472735

ACKNOWLEDGMENTS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	472735
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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CONDITIONS

Action 472735

CONDITIONS

Operator:	OGRID:
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CONDITIONS

Created By	Condition	Condition Date
ntaylor	Cement is required to circulate on both surface and intermediate1 strings of casing.	6/10/2025
ntaylor	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	6/10/2025
jeffrey.harrison	Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.	8/20/2025
jeffrey.harrison	NSP required if not included in an existing order or not an infill to an appropriate defining well in the same pool and spacing unit.	8/20/2025
jeffrey.harrison	Any string of casing that is not circulated to surface must have a minimum of 200' of cement tie-back into the previous string of casing.	8/20/2025
jeffrey.harrison	If using a pit for drilling and completion operations, operator must have an approved pit prior to spudding the well.	8/20/2025
jeffrey.harrison	Surface casing shall be set a minimum of 25' into the Rustler Anhydrite, above the salt, and below usable fresh water and cemented to the surface. If salt is encountered set casing at least 25 ft. above the salt.	8/20/2025
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.	8/20/2025
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.	8/20/2025
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.	8/20/2025
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.	8/20/2025
jeffrey.harrison	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.	8/20/2025
jeffrey.harrison	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.	8/20/2025