Form 3160-3 (June 2015) UNITED STATE		OMB N	APPROVE o. 1004-01 anuary 31,	37					
DEPARTMENT OF THE I BUREAU OF LAND MAN	NTERIOR	[5. Lease Serial No.					
APPLICATION FOR PERMIT TO D	RILL OR	REENTER		6. If Indian, Allotee or Tribe Name					
la. Type of work: DRILL		7. If Unit or CA Agreement, Name and No.							
1b. Type of Well: Oil Well Gas Well O 1c. Type of Completion: Hydraulic Fracturing State		8. Lease Name and Well No.							
	L			[3	35030]				
2. Name of Operator [4323]				9. API Well No.	30-025-	-52276			
3a. Address	3b. Phone N	o. (include area cod	le)	10. Field and Pool,	or Explora	tory [51687			
4. Location of Well (Report location clearly and in accordance	with any State	requirements.*)		11. Sec., T. R. M. of	r Blk. and S	Survey or Area			
At surface At proposed prod. zone									
14. Distance in miles and direction from nearest town or post off	ice*			12. County or Paris	h	13. State			
15. Distance from proposed* location to nearest property or lease line, ft.	16. No of ac	eres in lease	ng Unit dedicated to t						
(Also to nearest drig. unit line, if any) 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed	d Depth	20. BLM/	I/BIA Bond No. in file					
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxi	mate date work will	start*	23. Estimated duration					
	24. Attac	hments							
The following, completed in accordance with the requirements o (as applicable)	f Onshore Oil	and Gas Order No.	l, and the H	Iydraulic Fracturing r	rule per 43	CFR 3162.3-3			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syste 		Item 20 above). 5. Operator certific	cation.	as unless covered by a	-				
SUPO must be filed with the appropriate Forest Service Office	e).	6. Such other site sp BLM.	pecific infor	mation and/or plans as	s may be red	juested by the			
25. Signature	Name	(Printed/Typed)			Date				
Title									
Approved by (Signature)	Name	(Printed/Typed)			Date				
Title	Office	:							
Application approval does not warrant or certify that the applican applicant to conduct operations thereon. Conditions of approval, if any, are attached.	nt holds legal of	or equitable title to the	hose rights	in the subject lease w	hich would	I entitle the			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, r of the United States any false, fictitious or fraudulent statements					any departr	nent or agency			
NGMP Rec 11/29/2023									
		TONDI	IONS	12	KZ-02	3			

(Continued on page 2)

SL

APPROVED WITH CONDITIONS



.

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Number ² Pool Code ³ Pool Name													
30-0	25-522	276	5168	87	RED TANK;BONE SPRING,EAST									
⁴ Proper	ty Code		⁵ Property Name ⁶ Well Numb											
335030)	DL 4 33 FEDERAL COM 402H												
⁷ OGR	ID No.		⁸ Operator Name ⁹ Elevation											
43	23	CHEVRON U.S.A. INC. 3651'												
	¹⁰ Surface Location													
UL or lot no.	Section	1 Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County				
F	4	22 SOUTH	33 EAST, N.M.P.M.		2538'	NORTH	1713'	WEST		LEA				
			¹¹ Bottom H	Hole Locat	tion If Diff	erent From S	Surface							
UL or lot no.	Sectior	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County				
D	33	21 SOUTH	33 EAST, N.M.P.M.		25'	NORTH	1210'	WE	ST	LEA				
¹² Dedicated A	cres ¹³ Jo	nt or Infill	¹⁴ Consolidation Code	¹⁵ Order No.										
480	-	Defining												

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. 1210^{10}

NO. 402H WELL X = 732,471.14' (NAD27 NM E) Y = 517,698.69' LAT. 32,421015° N (NAD27) LONG. 103.579960° W X = 773,653,41' (NAD83/2011 NM E) Y = 517,758.84' LAT. 32,421136' N (NAD83/2011) LONG. 103.580446° W	PROPOSED FIRST TAKE POINT X = 731,968.21' (NAD27 NM E) Y = 517,622.74' LAT. 32.420816° N (NAD27) LONG. 103.581592° W X = 773,150.47' (NAD83/2011 NM E) Y = 517,682.89' LAT. 32.420937° N (NAD83/2011) LONG. 103.582078° W PROPOSED MID POINT/PPP #2	B C Proposed Last Take Point 100' FNL, 1210' FWL B C D 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and co to the best of my knowledge and belief, and that this organization et owns a working interest or unleased mineral interest in the land inc the proposed bottom hole location or has a right to drill this well at location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compuls pooling order heretofore entered by the division.	omplete rither cluding t this
X = 731,958.62' (NAD27 NM E) Y = 518,910.80' LAT. 32.424356° N (NAD27) LONG. 103.581593° W X = 773,140.85' (NAD83/2011 NM E) Y = 518,970.99' LAT. 32.424478° N (NAD83/2011)	X = 731,948.74' (NAD27 NM E) Y = 520,237.80' LAT. 32.428004° N (NAD27) LONG. 103.581595° W	Sec. 33 Proposed Mid Point/ PPP #2 0' FSL Sec. 33 NMNM 124661 Cindy Herrera-Murillo Cindy Herrera-Murillo Cindy Herrera-Murillo Printed Name eeof@chevron.com	23
TAKE POINT X = 731,910.35' (NAD27 NM E) Y = 525,403.75' LAT. 32,442204° N (NAD27) LONG. 103,581602° W X = 773,092.41' (NAD83/2011 NM E) Y = 525,464.10' LAT. 32,442235° N (NAD83/2011)	PROPOSED BOTTOM HOLE LOCATION X = 731,909.73' (NAD27 NM E) Y = 525,478.75' LAT. 32.442410° N (NAD27) LONG. 103.581602° W X = 773,091.79' (NAD83/2011 NM E) Y = 525,539.10' LAT. 32.442532° N (NAD83/2011) LONG. 103.582089° W	F G T21S-R33E H SURVEYOR CERTIFICATIO I hereby certify that the well location shown on plat was plotted from field notes of actual surve made by me or under my supervision, and that acruss in true and court in the set of any holes	ı this eys the
A - X=730699.5 B - X=732017.2 C - X=733334.9 D - X=735970.9 E - X=730754.1 F - X=732068.7 G - X=733383.2 H - X=736025.5 I - X=730772.5 J - X=732095.3 K - X=733418.2	ATES TABLE (NAD 27) 2, Y=525498.32 3, Y=525504.23 4, Y=525510.15 9, Y=520537.39 9, Y=520241.22 0, Y=520237.46 1, Y=520233.70 2, Y=520252.31 0, Y=514937.15 5, Y=514942.92 1, Y=514948.69 3, Y=514965.47	PPP #1 1327' FNL 1202' FWL 1713' Proposed First Take Point 2615' FNL, 1210' FWL J	~

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.

This Natural Gas Management I				×	*	*
			– Plan Descritive May 25, 2021	i <u>ption</u>		
		Ence	<u>1100 1014 25, 2021</u>			
I. Operator: <u>Chevron USA</u>	Inc		_OGRID:432	23	Date: <u>_5</u> /_2	22_/_2023
	1 (1	10 15 27 (1 10 15 27 0 D(())		
II. Type: ⊠ Original □ Am	enament au	e to 🗆 19.15.27.9	9.D(0)(a) NMAC L	19.13.27.9.D(0)(t	$)$ NMAC \Box Ou	ier.
If Other, please describe:						
III. Well(s): Provide the following recompleted from a single we				ell or set of wells p	roposed to be dr	illed or proposed to
	-		· ·			
Well Name	API	ULSTR	Footages	Anticipated	Anticipated	Anticipated
				Oil BBL/D	Gas MCF/D	Produced Water BBL/D
DL 4 33 FEDERAL COM #401H	Pending	UL:F, Sec 4,	2538' FNL,	1040 BBL/D	1375 MCF/D	2810 BBL/D
		T22S-R33E	1673' FWL			
DL 4 33 FEDERAL COM #402H	Pending	UL:F,Sec 4,	2538' FNL,	1040 BBL/D	1375 MCF/D	2810 BBL/D
		T22S-R33E	1713' FWL			
DL 4 33 FEDERAL COM #403H	Pending	UL:F, Sec 4,	2538' FNL,	1040 BBL/D	1375 MCF/D	2810 BBL/D
		T22S-R33E	1693' FWL	1040 DDI /D		2010 DDL /D
DL 4 33 FEDERAL COM #413H	Pending	UL:F, Sec 4, T22S-R33E	2538' FNL, 3043' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/D
DL 4 33 FEDERAL COM #414H	Pending	UL:F,Sec 4,	2538' FNL,	1040 BBL/D	1375 MCF/D	2810 BBL/D
	8	T22S-R33E	1733' FWL			
DL 4 33 FEDERAL COM #415H	Pending	UL:F, Sec 4,	2537' FNL,	1040 BBL/D	1375 MCF/D	2810 BBL/D
		T22S; R33E	1733' FWL			
W. Control Dolinour, Doint Nor		Deserve Labor C		ΓC	10 15 27 0/F	
V. Central Delivery Point Nar	ne:	Dagger Lake C	<u>1B4</u>	[2	See 19.15.27.9(E	$\mathcal{O}(1)$ NMAC
V. Anticipated Schedule: Provi	de the follo	wing information	for each new or re	completed well or s	et of wells prop	osed to be drilled o
proposed to be recompleted from	n a single w	ell pad or connect	ted to a central deli	very point.		
Well Name	API	Spud Date	TD Reached	Completion	Initial Flow	First Production
,, en runne		Space Dure	Date	Commencement	Back Date	Date
				Date		
DL 4 33 FEDERAL COM #401H DL 4 33 FEDERAL COM #402H	Pending	<u>1/20/2025</u> 2/0/2025	<u>N/A</u>	<u>N/A</u>	$\underline{N/A}$	<u>N/A</u>
DL 4 33 FEDERAL COM #402H	Pending Pending	<u>2/9/2025</u> <u>3/1/2025</u>	<u>N/A</u> <u>N/A</u>	<u>N/A</u> <u>N/A</u>	<u>N/A</u> <u>N/A</u>	<u>N/A</u> <u>N/A</u>
	T chung	2/24/2025	<u>- 1// 1 1</u>		<u>1 1/1 1</u>	2.11.2

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

DL 4 33 FEDERAL COM #413H

DL 4 33 FEDERAL COM #414H

Pending

Pending

3/21/2025

4/10/2025

VII. Operational Practices: \boxtimes 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. \Box 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 \Box will \Box will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

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

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

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

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

 \boxtimes 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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: Cindy Herrera-Murillo									
Printed Name: Cindy Herrera-Murillo									
Title: Sr HSE Regulatory affairs Coordinator									
E-mail Address: eeof@chevron.com									
Date: 05/22/2023									
Phone: 575-263-0431									
OIL CONSERVATION DIVISION									
(Only applicable when submitted as a standalone form)									
Approved By:									
Title:									
Approval Date:									
Conditions of Approval:									

VI. Separation Equipment:

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

VII./VIII. Operational & Best Management Practices:

1. General Requirements for Venting and Flaring of Natural Gas:

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

2. During Drilling Operations:

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

3. During Completions:

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

4. During Production:

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

5. Performance Standards

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

6. Measurement or Estimation of Vented and Flared Natural Gas

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

Well Name: DL 4 33 FED COM

Well Number: 402H

completed prior to drilling the production lateral sections unless the BOP connection was not broken prior to drilling that hole section (example: drilling straight from production into production liner hole section). A break test will only be performed on operations where BLM documentation states a 5M or less BOP can be utilized.

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:

Choke_Flex_Hose_2_20200326061721.pdf

BLM_5M_Choke_Manifold_Diagram_20221213142543.pdf

BLM_10M_Choke_Manifold_Diagram_20221213142604.pdf

BOP Diagram Attachment:

BLM_5M_Annular_10M_Stack_BOP_Choke_Schematic_20200326062158.pdf

1.03___WH___NM_Slim_Hole_DM100312151_20221220083854.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	16	13.375	NEW	API	N	0	1500	0	1500	3651	2151	1500	J-55	54.5	BUTT	1.63	1.83	BUOY	11.1 2	BUOY	10.4 3
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	5007	0	4969	3554	-1318	5007	L-80	40	LT&C	1.37	2.01	BUOY	4.76	BUOY	4.61
3	INTERMED IATE	8.75	7.0	NEW	API	N	0	10515	0	10466	3554	-6815	10515	P- 110		OTHER - BLUE	1.65	2.52	BUOY	3.06	BUOY	3.06
4	PRODUCTI ON	6.12 5	5.0	NEW	API	N	10315	10965	10266	10866	-6615	-7215	650	P- 110	-	OTHER - W513	1.12	2.4	BUOY	1.89	BUOY	2.97
5	PRODUCTI ON	6.12 5	4.5	NEW	API	N	10965	19276	10866	11039	-7215	-7388	8311	P- 110		OTHER - W521	1.12	2.4	BUOY	1.89	BUOY	2.97

Casing Attachments

Received by OCD: 11/30/2023 7:43:40 AM

Operator Name: CHEVRON USA INCORPORATED

Well Name: DL 4 33 FED COM

Well Number: 402H

Casing Attachments

Casing ID: 1 String SURFACE	
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
13_3_8_casing_spec_sheet_20200506095527.pdf	
Casing ID: 2 String INTERMEDIATE	
Inspection Document:	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
9.625_K_55IC_Tenaris_20200602095048.pdf	
Casing ID: 3 String INTERMEDIATE	
Inspection Document:	
inspection bocument.	
Spec Document:	
Tapered String Spec:	
Casing Design Assumptions and Worksheet(s):	
7in_Blue_SD_29ppf_P110_20221213143119.pdf	

Received by OCD: 11/30/2023 7:43:40 AM

Operator Name: CHEVRON USA INCORPORATED

Well Name: DL 4 33 FED COM

Well Number: 402H

Casing Attachments

Casing ID: 4	String	PRODUCTION									
Inspection Document:											
Spec Document:											
Tapered String Spec:											
Casing Design Assump	Casing Design Assumptions and Worksheet(s):										
5in_Wedge_513_18ppf_P110_20221213143326.pdf											
5in Wedge 513 1	8ppf P110 2	20221213143326.pdf									
5in_Wedge_513_1	8ppf_P110_2	20221213143326.pdf									
5in_Wedge_513_1 Casing ID: 5	8ppf_P110_2 String	20221213143326.pdf PRODUCTION									
Casing ID: 5											
Casing ID: 5											
Casing ID: 5 Inspection Document:											

Casing Design Assumptions and Worksheet(s):

4.5in_Wedge_521_11.6ppf_P110_20221213143459.pdf

Section	4 - Ce	emen	τ								
String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	0	0	0	0	0	0	N/A	N/A
SURFACE	Tail		0	1500	799	1.63	13.6	1303	25	Class C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		0	0	0	0	0	0	0	N/A	N/A

INTERMEDIATE	Lead		0	4007	726	2.29	11.5	1661	25	Class C	Extender, Antifoam, Retarder, Viscosifier
--------------	------	--	---	------	-----	------	------	------	----	---------	--

Well Name: DL 4 33 FED COM

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		4007	5007	263	1.63	12.6	429	25	Class C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	9515	466	3.52	10.5	1641	25	Class C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		9515	1051 5	124	1.52	12.6	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		1031 5	1929 7	694	1.52	12.6	1055	25	Class H	Extender, Antifoam, Retarder, Viscosifier

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

Describe what will be on location to control well or mitigate other conditions: 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 material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

Describe the mud monitoring system utilized: If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill. All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transportating of E&P waste will follow EPA regulations and accompanying manifests. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

Circulating Medium Table

Top Depth	
Mud Type	
Min Weight (Ibs/gal)	
Max Weight (lbs/gal)	
Density (lbs/cu ft)	
Gel Strength (lbs/100 sqft)	
Hd	
Viscosity (CP)	
Salinity (ppm)	
Filtration (cc)	
Additional Characteristics	

Well Name: DL 4 33 FED COM

Well Number: 402H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (Ibs/cu ft)	Gel Strength (lbs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1500	OTHER : FRESH WATER MUD	8.3	8.9							
1500	5007	OTHER : BRINE/OBM	8.9	10							Saturated brine would be used through salt sections.
5007	1051 5	OIL-BASED MUD	8.5	9.5							
1051 5	1927 6	OIL-BASED MUD	9	12							Due to wellbore instability in the lateral, may exceed the MW weight window needed to maintain overburden stresses

Section 6 - Test, Logging, Coring

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

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

Coring Operations are not planned. List of open and cased hole logs run in the well:

DIRECTIONAL SURVEY, GAMMA RAY LOG,

Coring operation description for the well:

Conventional whole core samples are not planned, a directional survey will be run and logs will be submitted.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6888

Anticipated Surface Pressure: 4459

Anticipated Bottom Hole Temperature(F): 192

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Well Name: DL 4 33 FED COM

Well Number: 402H

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Hydrogen sulfide drilling operations

Chevron_Standard_H2S_Contingency_Plan_2022_20221213144609.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

CUSA_Spudder_Rig_Data_20221220084228.pdf Gas_Management_Plan___Siren_Pad_20230710063018.pdf Operational_Best_Management_Practices_Pad_301_20230710063127.pdf DL_4_33_Federal_Com_402H__9_Pt_Plan_20230710135217.pdf DefPlan100ft_DL433FederalComNo.402H_R0_20230710135228.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:

Other Variance attachment:

slb

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Chevron

Report Date:		26. 2023 - 03:16			Def	Irvey / DLS Computat	ion:	Minimum Curvature / Lub	inski			
Client:	Chev	ron	(,		Ve	ertical Section Azimut		359.940 °(GRID North)	inski			
Field: Structure / Slot:	Chev	Lea County (NAD ron DL Pad 401 /	DL 4 33 Federal	Com No. 402H	TV	ertical Section Origin: /D Reference Datum:		0.000 ft, 0.000 ft RKB				
Well: Borehole:		33 Federal Com 33 Federal Com				D Reference Elevation babed / Ground Elevation		3679.000 ft above MSL 3651.000 ft above MSL				
UBHI / API#:	Unkn	own / Unknown			Ma	agnetic Declination:		6.293°				
Survey Name: Survey Date:		33 Federal Com 23, 2023	No. 402H R0 md	v 23Jun23		tal Gravity Field Stre avity Model:	ngth:	998.4667mgn (9.80665 B GARM	ased)			
Tort / AHD / DDI / ERD Ratio:	111.1	99 ° / 9169.698 f		7 105	То	tal Magnetic Field St	rength:	47633.027 nT				
Coordinate Reference System: Location Lat / Long:	32°2	5'15.65293"N , 10	3°34'47.85663"W			agnetic Dip Angle: eclination Date:		60.046° June 23, 2023				
Location Grid N/E Y/X: CRS Grid Convergence Angle:	N 51 0.403	7698.690 ftUS , E	732471.140 ftUS	5		agnetic Declination N orth Reference:	odel:	HDGM 2023 Grid North				
Grid Scale Factor: Version / Patch:		97098			Gr	rid Convergence Use tal Corr Mag North->		0.4039° 5.8893°				
						cal Coord Reference	d To:	Well Head	DLS	N .41		
Comments Surface	MD (ft) 0.00	(°)	Azim (°) 208.43	TVD (ft) 0.00	TVDSS (ft) -3,679.00	VSEC (ft) 0.00	0.00	(ft)	0LS (°/100ft)	Northing (ftUS) 517,698.69	Easting (ftUS) 732,471.14	Latitude Lon (* ' *) 32°25'15.652935"N 103°34'47.8566
	100.00 200.00	0.00	208.43 208.43	100.00 200.00	-3,579.00 -3,479.00	0.00 0.00	0.00	0.00	0.00 0.00	517,698.69 517,698.69	732,471.14 732,471.14	32°25'15.652935"N 103°34'47.8566
	300.00 400.00	0.00	208.43 208.43	300.00 400.00	-3,379.00 -3,279.00	0.00	0.00		0.00	517,698.69 517,698.69	732,471.14 732,471.14	32°25'15.652935"N 103°34'47.8566 32°25'15.652935"N 103°34'47.8566
	500.00 600.00	0.00	208.43 208.43	500.00 600.00	-3,179.00 -3,079.00	0.00 0.00	0.00	0.00 0.00	0.00	517,698.69 517,698.69	732,471.14 732,471.14	32°25'15.652935"N 103°34'47.8566 32°25'15.652935"N 103°34'47.8566
	700.00	0.00	208.43	700.00	-2,979.00	0.00	0.00	0.00	0.00	517,698.69	732,471.14	32°25'15.652935"N 103°34'47.8566
Build 1.5°/100ft	800.00 900.00	0.00 1.50	208.43 208.43	800.00 899.99	-2,879.00 -2,779.01	0.00	0.00		0.00 1.50	517,698.69 517,697.54	732,471.14 732,470.52	32°25'15.652935"N 103°34'47.8566 32°25'15.641589"N 103°34'47.8639
	1,000.00 1,100.00	3.00 4.50	208.43 208.43	999.91 1,099.69	-2,679.09 -2,579.31	-4.60 -10.35	-4.60 -10.35	-2.49	1.50 1.50	517,694.09 517,688.34	732,468.65 732,465.53	32°25'15.607559"N 103°34'47.8860 32°25'15.550869"N 103°34'47.9228
	1,200.00	6.00	208.43	1,199.27	-2,479.73	-18.39	-18.40	-9.96	1.50	517,680.29	732,461.18	32°25'15.471557"N 103°34'47.9743
Hold	1,300.00 1,333.05	7.50 8.00	208.43 208.43	1,298.57 1,331.32	-2,380.43 -2,347.68	-28.72 -32.64	-28.74 -32.65	-17.68	1.50 1.50	517,669.95 517,666.04	732,455.58 732,453.46	32°25'15.369678"N 103°34'48.040 32°25'15.331061"N 103°34'48.065
Rustler (RSLR)	1,347.87	8.00 8.00	208.43 208.43	1,346.00	-2,333.00 -2,281.38	-34.45 -40.82	-34.47	-18.66	0.00	517,664.22 517,657,85	732,452.48	32°25'15.313185"N 103°34'48.077 32°25'15.250334"N 103°34'48.117
	1,500.00	8.00	208.43	1,496.65	-2,182.35	-53.05	-53.08	-28.74	0.00	517,645.62	732,442.40	32°25'15.129763"N 103°34'48.1962
	1,600.00 1,700.00	8.00 8.00	208.43 208.43	1,595.68 1,694.70	-2,083.32 -1,984.30	-65.27 -77.50	-65.31 -77.54		0.00	517,633.38 517,621.15	732,435.78 732,429.16	32°25'15.009191"N 103°34'48.2745 32°25'14.888620"N 103°34'48.352
Saldo (SLDO)	1,787.14	8.00 8.00	208.43 208.43	1,781.00 1,793.73	-1,898.00 -1,885.27	-88.15 -89.72	-88.20		0.00	517,610.49 517,608.92	732,423.39	32°25'14.783550"N 103°34'48.4209 32°25'14.768048"N 103°34'48.4310
	1,900.00	8.00	208.43	1,892.76	-1,786.24	-101.95	-102.00	-55.23	0.00	517,596.69	732,415.91	32°25'14.647476"N 103°34'48.5093
	2,000.00 2,100.00	8.00 8.00	208.43 208.43	1,991.79 2,090.82	-1,687.21 -1,588.18	-114.17 -126.40	-114.23 -126.47		0.00	517,584.46 517,572.23	732,409.29 732,402.67	32°25'14.526905"N 103°34'48.587 32°25'14.406333"N 103°34'48.6658
	2,200.00 2,300.00	8.00 8.00	208.43	2,189.84 2,288.87	-1,489.16 -1,390.13	-138.62	-138.70	-75.10	0.00	517,560.00	732,396.04	32°25'14.285762"N 103°34'48.7441 32°25'14.165190"N 103°34'48.8223
	2,400.00	8.00	208.43	2,387.90	-1,291.10	-163.07	-163.16	-88.35	0.00	517,535.53	732,382.80	32°25'14.044618"N 103°34'48.9006
	2,500.00 2,600.00	8.00 8.00	208.43 208.43	2,486.93 2,585.95	-1,192.07 -1,093.05	-175.29 -187.52	-175.39 -187.63	-101.59	0.00	517,523.30 517,511.07	732,376.17 732,369.55	32°25'13.924047"N 103°34'48.978 32°25'13.803475"N 103°34'49.057
	2,700.00 2,800.00	8.00 8.00	208.43 208.43	2,684.98 2,784.01	-994.02 -894.99	-199.74 -211.97	-199.86 -212.09	-108.22	0.00	517,498.84 517,486.61	732,362.93 732,356,31	32°25'13.682903"N 103°34'49.1354 32°25'13.562332"N 103°34'49.2136
	2,900.00	8.00	208.43	2,883.04	-795.96	-224.19	-224.32	-121.46	0.00	517,474.37	732,349.68	32°25'13.441760"N 103°34'49.2919
	3,000.00 3,100.00	8.00 8.00	208.43 208.43	2,982.07 3,081.09	-696.93 -597.91	-236.42 -248.64	-236.55 -248.79		0.00	517,462.14 517,449.91	732,343.06 732,336.44	32°25'13.321188"N 103°34'49.370 32°25'13.200616"N 103°34'49.448
	3,200.00 3,300.00	8.00 8.00	208.43 208.43	3,180.12 3,279.15	-498.88 -399.85	-260.87 -273.09	-261.02 -273.25		0.00	517,437.68 517,425.45	732,329.81 732,323.19	32°25'13.080045"N 103°34'49.526 32°25'12.959473"N 103°34'49.605
	3,400.00	8.00	208.43	3,378.18	-300.82	-285.32	-285.48	-154.58	0.00	517,413.22	732,316.57	32°25'12.838901"N 103°34'49.6832
Castile (CSTL)	3,444.25 3,500.00	8.00 8.00	208.43 208.43	3,422.00 3,477.21	-257.00 -201.79	-290.73 -297.54	-290.89 -297.71	-161.20	0.00	517,407.80 517,400.99	732,313.64 732,309.94	32°25'12.785545"N 103°34'49.7179 32°25'12.718329"N 103°34'49.7619
	3,600.00 3.700.00	8.00 8.00	208.43 208.43	3,576.23 3.675.26	-102.77 -3.74	-309.77 -321.99	-309.95 -322.18		0.00	517,388.75 517,376.52	732,303.32 732,296,70	32°25'12.597757"N 103°34'49.8398 32°25'12.477186"N 103°34'49.9180
	3,800.00	8.00	208.43	3,774.29	95.29	-334.22	-334.41	-181.07	0.00	517,364.29	732,290.08	32°25'12.356614"N 103°34'49.9963
	3,900.00 4,000.00	8.00 8.00	208.43 208.43	3,873.32 3,972.34	194.32 293.34	-346.44 -358.67	-346.64 -358.87	-194.32	0.00	517,352.06 517,339.83	732,283.45 732,276.83	32°25'12.236042"N 103°34'50.0746 32°25'12.115470"N 103°34'50.1528
	4,100.00 4,200.00	8.00 8.00	208.43 208.43	4,071.37 4,170.40	392.37 491.40	-370.89 -383.12	-371.10 -383.34		0.00	517,327.60 517,315.37	732,270.21 732,263.58	32°25'11.994898"N 103°34'50.231 32°25'11.874326"N 103°34'50.3094
	4,300.00	8.00	208.43	4,269.43	590.43	-395.34	-395.57	-214.18	0.00	517,303.13	732,256.96	32°25'11.753754"N 103°34'50.3876
	4,400.00 4,500.00	8.00 8.00	208.43 208.43	4,368.46 4,467.48	689.46 788.48	-407.57 -419.79	-407.80 -420.03	-227.43	0.00	517,290.90 517,278.67	732,250.34 732,243.72	32°25'11.633182"N 103°34'50.4659 32°25'11.512610"N 103°34'50.5442
	4,600.00 4,700.00	8.00 8.00	208.43 208.43	4,566.51 4,665.54	887.51 986.54	-432.02 -444.24	-432.26 -444.50		0.00	517,266.44 517,254.21	732,237.09 732,230.47	32°25'11.392038"N 103°34'50.6224 32°25'11.271466"N 103°34'50.700
	4,800.00	8.00 8.00	208.43 208.43	4,764.57 4,863.60	1,085.57	-456.47	-456.73	-247.30	0.00	517,241.98 517,229.74	732,223.85 732,217.22	32°25'11.150894"N 103°34'50.778 32°25'11.030322"N 103°34'50.8572
	5,000.00	8.00	208.43	4,962.62	1,283.62	-480.92	-481.19	-260.55	0.00	517,217.51	732,210.60	32°25'10.909750"N 103°34'50.935
Lamar (LMAR)	5,026.64 5,100.00	8.00 8.00	208.43 208.43	4,989.00 5,061.65	1,310.00 1,382.65	-484.17 -493.14	-484.45 -493.42		0.00	517,214.26 517,205.28	732,208.84 732,203.98	32°25'10.877635"N 103°34'50.9563 32°25'10.789178"N 103°34'51.0137
Bell Canyon (BEL)	5,121.56 5,200.00	8.00 8.00	208.43 208.43	5,083.00 5,160.68	1,404.00	-495.78 -505.37	-496.06	-268.60	0.00	517,202.64 517,193.05	732,202.55	32°25'10.763185"N 103°34'51.030 32°25'10.668606"N 103°34'51.092
	5,300.00	8.00	208.43	5,259.71	1,580.71	-517.59	-517.89	-280.42	0.00	517,180.82	732,190.73	32°25'10.548034"N 103°34'51.1703
	5,400.00 5,500.00	8.00 8.00	208.43 208.43	5,358.73 5,457.76	1,679.73 1,778.76	-529.82 -542.04	-530.12 -542.35	-293.66	0.00	517,168.59 517,156.36	732,184.11 732,177.49	32°25'10.427462"N 103°34'51.2485 32°25'10.306890"N 103°34'51.3268
	5,600.00 5,700.00	8.00 8.00	208.43 208.43	5,556.79 5,655.82	1,877.79 1,976.82	-554.27 -566.49	-554.58 -566.82	-300.28	0.00	517,144.12 517,131.89	732,170.86 732,164.24	32°25'10.186318"N 103°34'51.405 32°25'10.065746"N 103°34'51.483
Drop 75%/400/	5,800.00	8.00	208.43	5,754.85	2,075.85	-578.72	-579.05	-313.53	0.00	517,119.66	732,157.62	32°25'9.945173"N 103°34'51.5616
Drop .75°/100ft Cherry Canyon (CHR)	5,816.72 5,859.72	8.00 7.67	208.43 208.43	5,771.40 5,814.00	2,092.40 2,135.00	-580.76 -585.91	-581.09 -586.25	-314.64 -317.43	0.00 0.75	517,117.62 517,112.46	732,156.51 732,153.72	32°25'9.925013"N 103°34'51.574 32°25'9.874209"N 103°34'51.607
	5,900.00 6,000.00	7.37 6.62	208.43 208.43	5,853.94 5,953.19	2,174.94 2.274.19	-590.55 -601.25	-590.88 -601.59	-319.94 -325.74	0.75	517,107.82 517,097.11	732,151.21 732,145.41	32°25'9.828500"N 103°34'51.637 32°25'9.722921"N 103°34'51.705
	6,100.00	5.87	208.43	6,052.60	2,373.60	-610.81	-611.16	-330.92	0.75	517,087.55	732,140.23	32°25'9.628614"N 103°34'51.767
	6,200.00 6,300.00	5.12 4.37	208.43 208.43	6,152.14 6,251.79	2,473.14 2,572.79	-619.23 -626.50	-619.58 -626.86	-339.42	0.75 0.75	517,079.13 517,071.85	732,135.67 732,131.73	32°25'9.545593"N 103°34'51.8210 32°25'9.473873"N 103°34'51.8675
	6,400.00 6,500.00	3.62 2.87	208.43 208.43	6,351.55 6,451.39	2,672.55 2,772.39	-632.63 -637.61	-632.99 -637.97	-342.74	0.75	517,065.72 517,060.74	732,128.41 732,125.72	32°25'9.413467"N 103°34'51.906 32°25'9.364384"N 103°34'51.938
	6,600.00	2.12	208.43	6,551.29	2,872.29	-641.43 -644.11	-641.80	-347.51	0.75	517,056.91 517.054.23	732,123.64	32°25'9.326634"N 103°34'51.963 32°25'9.300222"N 103°34'51.980
	6,700.00 6,800.00	1.37 0.62	208.43 208.43	6,651.24 6,751.23	2,972.24 3,072.23	-645.64	-646.01	-349.79	0.75	517,052.70	732,122.19 732,121.36	32°25'9.285153"N 103°34'51.9900
Hold Vertical	6,882.81 6,900.00	0.00	208.43 208.43	6,834.04 6,851.23	3,155.04 3,172.23	-646.03 -646.03	-646.40 -646.40		0.75	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	7,000.00	0.00	208.43	6,951.23	3,272.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.992
Brushy Canyon (BCN)	7,100.00 7,162.77	0.00	208.43 208.43	7,051.23 7,114.00	3,372.23 3,435.00	-646.03 -646.03	-646.40 -646.40	-350.00	0.00 0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992
	7,200.00	0.00	208.43 208.43	7,151.23 7.251.23	3,472.23 3.572.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517.052.31	732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	7,400.00	0.00	208.43	7,351.23	3,672.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.9925
	7,500.00 7,600.00	0.00	208.43 208.43	7,451.23 7,551.23	3,772.23 3,872.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	7,700.00 7,800.00	0.00	208.43 208.43	7,651.23 7,751.23	3,972.23 4,072.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	7,900.00	0.00	208.43	7,851.23	4,172.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.9925
	8,000.00 8,100.00	0.00	208.43	7,951.23 8,051.23	4,272.23 4,372.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	8,200.00 8,300.00	0.00	208.43 208.43	8,151.23 8,251.23	4,472.23 4,572.23	-646.03 -646.03	-646.40 -646.40		0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.9925 32°25'9.281262"N 103°34'51.9925
	8,400.00	0.00	208.43	8,351.23	4,672.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.9925
	8,500.00 8,600.00	0.00	208.43 208.43	8,451.23 8,551.23	4,772.23 4,872.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00 0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	8,700.00 8,800.00	0.00 0.00	208.43 208.43	8,651.23 8,751.23	4,972.23 5,072.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	
Deer Order (DC)	8,900.00	0.00	208.43	8,851.23	5,172.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.9925
Bone Spring (BSL)	8,943.77 9,000.00	0.00	208.43 208.43	8,895.00 8,951.23	5,216.00 5,272.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
Upper Avalon (AVU)	9,038.77 9,100.00	0.00	208.43 208.43	8,990.00 9,051.23	5,311.00 5,372.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	9,200.00	0.00	208.43	9,151.23	5,472.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.992
	9,300.00 9,400.00	0.00	208.43 208.43	9,251.23 9,351.23	5,572.23 5,672.23	-646.03 -646.03	-646.40 -646.40	-350.00 -350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
Lower Avalon (AVL)	9,500.00	0.00	208.43 208.43	9,451.23	5,772.23	-646.03 -646.03	-646.40	-350.00	0.00	517,052.31 517,052.31 517.052.31	732,121.15	32°25'9.281262"N 103°34'51.9925
Lower Avaion (AVL)	9,600.00	0.00	208.43	9,511.00 9,551.23	5,832.00 5,872.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15 732,121.15	32°25'9.281262"N 103°34'51.992 32°25'9.281262"N 103°34'51.992
	9,700.00 9,800.00	0.00	208.43 208.43	9,651.23 9,751.23	5,972.23 6,072.23	-646.03 -646.03	-646.40 -646.40	-350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15	
	9,900.00	0.00	208.43	9,851.23	6,172.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262'N 103°34'51.9925 32°25'9.281262'N 103°34'51.9925
	10,000.00	0.00	208.43	9,951.23	6,272.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N 103°34'51.9925

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Comments	MD (ft)	inci (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (* ' *)	Longitude (* ' *)	
First Bone Spring Lower (FBL)	10,200.00 10,296.77	0.00	208.43 208.43	10,151.23 10,248.00	6,472.23 6,569.00	-646.03 -646.03	-646.40 -646.40	-350.00 -350.00	0.00	517,052.31 517.052.31	732,121.15 732,121.15		103°34'51.992585"W 103°34'51.992585"W	
· · · · · · · · · · · · · · · · · · ·	10,300.00 10,400.00	0.00	208.43 208.43	10,251.23 10,351.23	6,572.23 6,672.23	-646.03 -646.03	-646.40 -646.40	-350.00 -350.00	0.00	517,052.31 517,052.31	732,121.15 732,121.15		103°34'51.992585"W 103°34'51.992585"W	
	10,500.00	0.00	208.43	10,451.23	6,772.23	-646.03	-646.40	-350.00	0.00	517,052.31	732,121.15	32°25'9.281262"N	103°34'51.992585"W	
Build 10°/100ft	10,514.81 10,600.00	0.00 8.52	208.43 354.37	10,466.04 10,550.91	6,787.04 6,871.91	-646.03 -639.74	-646.40 -640.11	-350.00 -350.62	0.00 10.00	517,052.31 517,058.60	732,121.15 732,120.53	32°25'9.343550"N	103°34'51.992585"W 103°34'51.999308"W	
Second Bone Upper (SBU)	10,660.33 10,700.00	14.55 18.52	354.37 354.37	10,610.00 10,648.02	6,931.00 6,969.02	-627.74 -616.51	-628.11 -616.88	-351.80 -352.91	10.00 10.00	517,070.60 517,081.83	732,119.35 732,118.24		103°34'52.012134"W 103°34'52.024138"W	
	10,800.00 10,900.00	28.52 38.52	354.37 354.37	10,739.60 10,822.86	7,060.60 7,143.86	-576.84 -521.95	-577.21 -522.33	-356.83 -362.24	10.00 10.00	517,121.49 517,176.38	732,114.33 732.108.91		103°34'52.066526"W 103°34'52.125182"W	
	11,000.00 11,100.00	48.52 58.52	354.37 354.37	10,895.28 10,954.66	7,216.28 7,275.66	-453.50 -373.58	-453.89 -373.98	-368.99 -376.88	10.00	517,244.81 517,324.73	732,102.16 732,094.28	32°25'11.187452"N	103°34'52.198326"W 103°34'52.283734"W	
	11,200.00	68.52	354.37	10,999.20	7,320.20	-284.61	-285.01	-385.65	10.00	517,413.69	732,085.50	32°25'12.859640"N	103°34'52.378812"W	
	11,300.00 11,400.00	78.52 88.52	354.37 354.37	11,027.53 11,038.81	7,348.53 7,359.81	-189.29 -90.53	-189.71 -90.95	-395.06 -404.80	10.00 10.00	517,508.99 517,607.74	732,076.10 732,066.35		103°34'52.480671"W 103°34'52.586216"W	
Landing Point FTP Cross	11,414.81 11,414.90	90.00 90.00	354.37 354.37	11,039.00 11,039.00	7,360.00 7,360.00	-75.79 -75.70	-76.21 -76.12	-406.25 -406.26	10.00 0.00	517,622.48 517.622.57	732,064.90 732,064.89		103°34'52.601968"W 103°34'52.602061"W	
	11,500.00 11,600.00	90.00 90.00	354.37 354.37	11,039.00 11,039.00	7,360.00 7,360.00	9.00 108.53	8.56 108.08	-414.62 -424.43	0.00	517,707.25 517,806.77	732,056.54 732,046.72	32°25'15.766580"N	103°34'52.692573"W 103°34'52.798933"W	
	11,700.00	90.00	354.37	11,039.00	7,360.00	208.05	207.60	-434.25	0.00	517,906.28	732,036.90	32°25'17.737368"N	103°34'52.905294"W	
	11,800.00 11,900.00	90.00 90.00	354.37 354.37	11,039.00 11,039.00	7,360.00 7,360.00	307.58 407.11	307.12 406.63	-444.07 -453.89	0.00	518,005.80 518,105.31	732,027.08 732,017.27	32°25'19.708155"N	103°34'53.011655"W 103°34'53.118017"W	
	12,000.00 12,100.00	90.00 90.00	354.37 354.37	11,039.00 11,039.00	7,360.00 7,360.00	506.63 606.16	506.15 605.67	-463.71 -473.52	0.00	518,204.82 518,304.34	732,007.45 731,997.63	32°25'21.678943"N	103°34'53.224379"W 103°34'53.330742"W	
	12,200.00 12,300.00	90.00 90.00	354.37 354.37	11,039.00 11,039.00	7,360.00 7,360.00	705.69 805.22	705.18 804.70	-483.34 -493.16	0.00	518,403.85 518,503.36	731,987.81 731.978.00		103°34'53.437106"W 103°34'53.543470"W	
Turn 2°/100ft	12,349.77 12,400.00	90.00 90.00	354.37 355.37	11,039.00 11,039.00	7,360.00 7,360.00	854.75 904.78	854.23 904.26	-498.05 -502.54	0.00 2.00	518,552.89 518,602.92	731,973.11 731,968.62	32°25'24.140144"N	103°34'53.596406"W 103°34'53.644716"W	
	12,500.00	90.00	357.37	11,039.00	7,360.00	1,004.58	1,004.05	-508.87	2.00	518,702.71	731,962.29	32°25'25.623392"N	103°34'53.710375"W	
Hold	12,600.00 12,609.98	90.00 90.00	359.37 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,104.54 1,114.53	1,104.01 1,113.99	-511.71 -511.81	2.00 2.00	518,802.66 518,812.65	731,959.44 731,959.35	32°25'26.711430"N	103°34'53.735347"W 103°34'53.735604"W	
PPP1	12,700.00 12,709.98	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,204.54 1,214.52	1,204.00 1,213.99	-512.48 -512.56	0.00	518,902.66 518,912.64	731,958.67 731,958.60		103°34'53.736098"W 103°34'53.736152"W	
Hold	12,710.17 12,800.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,214.71 1,304.54	1,214.17 1,304.00	-512.56 -513.23	2.00 0.00	518,912.82 519,002.65	731,958.60 731,957.93		103°34'53.736153"W 103°34'53.736578"W	
	12,900.00	90.00	359.57	11,039.00	7,360.00	1,404.54	1,404.00	-513.97	0.00	519,102.64	731,957.19	32°25'29.581174"N	103°34'53.737051"W 103°34'53.737523"W	
	13,000.00 13,100.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,504.53 1,604.53	1,503.99 1,603.99	-514.71 -515.46	0.00	519,202.64 519,302.63	731,956.44 731,955.70	32°25'31.560203"N	103°34'53.737996"W	
	13,200.00 13,300.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,704.53 1,804.53	1,703.99 1,803.99	-516.20 -516.95	0.00	519,402.63 519,502.62	731,954.95 731,954.21	32°25'33.539232"N	103°34'53.738468"W 103°34'53.738941"W	
	13,400.00 13,500.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	1,904.52 2,004.52	1,903.98 2,003.98	-517.69 -518.43	0.00	519,602.61 519,702.61	731,953.47		103°34'53.739413"W 103°34'53.739885"W	
	13,600.00 13,700.00	90.00 90.00	359.57 359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00 7,360.00	2,104.52 2,204.52	2,103.98 2,203.98	-519.18 -519.92	0.00	519,802.60 519,902.60	731,951.98 731,951.98 731,951.23	32°25'36.507775"N	103°34'53.740358"W 103°34'53.740358"W 103°34'53.740830"W	
	13,800.00	90.00	359.57	11,039.00	7,360.00	2,304.52	2,303.97	-520.67	0.00	520,002.59	731,950.49	32°25'38.486804"N	103°34'53.741302"W	
	13,900.00 14,000.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	2,404.51 2,504.51	2,403.97 2,503.97	-521.41 -522.15	0.00	520,102.59 520,202.58	731,949.75 731,949.00	32°25'40.465833"N	103°34'53.741774"W 103°34'53.742246"W	
PPP2/MP Hold to TD	14,035.22 14.035.23	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00 7.360.00	2,539.73 2.539.74	2,539.19 2.539.20	-522.42 -522.42	0.00 2.00	520,237.80 520,237.81	731,948.74 731,948.74		103°34'53.742412"W 103°34'53.742412"W	
	14,100.00 14,200.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	2,604.51 2,704.51	2,603.96 2,703.96	-522.90 -523.64	0.00	520,302.57 520,402.57	731,948.26		103°34'53.742720"W 103°34'53.743195"W	
	14,300.00	90.00	359.57	11,039.00	7,360.00	2,804.51	2,803.96	-524.39	0.00	520,502.56	731,946.77	32°25'43.434375"N	103°34'53.743670"W	
	14,400.00 14,500.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	2,904.50 3,004.50	2,903.96 3,003.95	-525.13 -525.88	0.00	520,602.56 520,702.55	731,946.03 731,945.28	32°25'45.413403"N	103°34'53.744145"W 103°34'53.744620"W	
	14,600.00 14,700.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	3,104.50 3,204.50	3,103.95 3,203.95	-526.62 -527.36	0.00	520,802.54 520,902.54	731,944.54 731,943.79		103°34'53.745095"W 103°34'53.745570"W	
	14,800.00 14,900.00	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00 7.360.00	3,304.50 3,404,49	3,303.95 3,403.94	-528.11 -528.85	0.00	521,002.53 521,102.53	731,943.05 731,942.30		103°34'53.746044"W 103°34'53.746519"W	
	15,000.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	3,504.49 3,604.49	3,503.94 3,603.94	-529.60 -530.34	0.00	521,202.52 521,302.51	731,941.56 731,940.81	32°25'50.360973"N	103°34'53.746993"W 103°34'53.747468"W	
	15,100.00 15,200.00	90.00	359.57	11,039.00	7,360.00	3,704.49	3,703.93	-531.09	0.00	521,402.51	731,940.07	32°25'52.340000"N	103°34'53.747942"W	
	15,300.00 15,400.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	3,804.49 3,904.48	3,803.93 3,903.93	-531.83 -532.57	0.00	521,502.50 521,602.50	731,939.33 731,938.58	32°25'54.319027"N	103°34'53.748417"W 103°34'53.748891"W	
	15,500.00 15.600.00	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00 7.360.00	4,004.48 4,104.48	4,003.93 4,103.92	-533.32 -534.06	0.00	521,702.49 521.802.49	731,937.84 731.937.09		103°34'53.749366"W 103°34'53.749840"W	
	15,700.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00	4,204.48 4,304.48	4,203.92 4,303.92	-534.81 -535.55	0.00	521,902.48 522.002.47	731,936.35 731,935.60	32°25'57.287568"N	103°34'53.750314"W 103°34'53.750788"W	
	15,800.00 15,900.00	90.00	359.57	11,039.00	7,360.00	4,404.47	4,403.91	-536.30	0.00	522,102.47	731,934.86	32°25'59.266595"N	103°34'53.751262"W	
	16,000.00 16,100.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	4,504.47 4,604.47	4,503.91 4,603.91	-537.04 -537.78	0.00	522,202.46 522,302.46	731,934.12 731,933.37	32°26'1.245622"N	103°34'53.751736"W 103°34'53.752210"W	
	16,200.00 16,300.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	4,704.47 4,804.47	4,703.91 4,803.90	-538.53 -539.27	0.00	522,402.45 522,502.44	731,932.63 731,931.88	32°26'2.235135"N 32°26'3.224648"N	103°34'53.752684"W 103°34'53.753158"W	
	16,400.00 16,500.00	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00 7.360.00	4,904.46 5.004.46	4,903.90 5.003.90	-540.02 -540.76	0.00	522,602.44 522,702.43	731,931.14 731,930.39		103°34'53.753631"W 103°34'53.754105"W	
	16,600.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00	5,104.46 5,204.46	5,103.90 5,203.89	-541.51 -542.25	0.00	522,802.43 522,902.42	731,929.65 731,928.91	32°26'6.193188"N	103°34'53.754579"W 103°34'53.755052"W	
	16,700.00 16,800.00	90.00	359.57	11,039.00	7,360.00	5,304.46	5,303.89	-542.99	0.00	523,002.42	731,928.16	32°26'8.172214"N	103°34'53.755526"W	
	16,900.00 17,000.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	5,404.45 5,504.45	5,403.89 5,503.88	-543.74 -544.48	0.00	523,102.41 523,202.40	731,927.42 731,926.67	32°26'10.151239"N	103°34'53.755999"W 103°34'53.756473"W	
	17,100.00 17,200.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	5,604.45 5,704.45	5,603.88 5,703.88	-545.23 -545.97	0.00	523,302.40 523,402.39	731,925.93 731,925.18	32°26'12.130265"N	103°34'53.756946"W 103°34'53.757419"W	
	17,300.00 17,400.00	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00	5,804.45 5,904.44	5,803.88 5,903.87	-546.72 -547.46	0.00	523,502.39 523.602.38	731,924.44	32°26'13.119778"N	103°34'53.757893"W 103°34'53.758366"W	
	17,500.00	90.00	359.57	11,039.00	7,360.00	6,004.44	6,003.87	-548.20	0.00	523,702.37	731,922.95	32°26'15.098804"N	103°34'53.758839"W	
	17,600.00 17,700.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	6,104.44 6,204.44	6,103.87 6,203.86	-548.95 -549.69	0.00	523,802.37 523,902.36	731,922.21 731,921.46	32°26'17.077829"N	103°34'53.759312"W 103°34'53.759785"W	
	17,800.00 17,900.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	6,304.43 6,404.43	6,303.86 6,403.86	-550.44 -551.18	0.00	524,002.36 524,102.35	731,920.72 731,919.97	32°26'19.056854"N	103°34'53.760258"W 103°34'53.760731"W	
	18,000.00 18,100.00	90.00 90.00	359.57 359.57	11,039.00 11.039.00	7,360.00	6,504.43 6.604.43	6,503.86 6.603.85	-551.93 -552.67	0.00	524,202.34 524,302.34	731,919.23 731,918,49	32°26'20.046366"N	103°34'53.761203"W 103°34'53.761676"W	
	18,200.00	90.00	359.57	11,039.00	7,360.00	6,704.43 6.804.42	6,703.85 6.803.85	-553.42	0.00	524,402.33 524,502.33	731,917.74	32°26'22.025391"N	103°34'53.762149"W 103°34'53.762622"W	
	18,300.00 18,400.00	90.00	359.57	11,039.00	7,360.00	6,904.42	6,903.85	-554.90	0.00	524,602.32	731,916.25	32°26'24.004416"N	103°34'53.763094"W	
	18,500.00 18,600.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	7,004.42 7,104.42	7,003.84 7,103.84	-555.65 -556.39	0.00	524,702.32 524,802.31	731,915.51 731,914.76	32°26'25.983441"N	103°34'53.763567"W 103°34'53.764039"W	
	18,700.00 18,800.00	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	7,204.42 7,304.41	7,203.84 7,303.83	-557.14 -557.88	0.00	524,902.30 525,002.30	731,914.02 731,913.28	32°26'26.972953"N	103°34'53.764511"W 103°34'53.764984"W	
	18,900.00	90.00	359.57	11,039.00	7,360.00	7,404.41	7,403.83	-558.63	0.00	525,102.29 525.202.29	731,912.53	32°26'28.951977"N	103°34'53.765456"W 103°34'53.765928"W	
	19,100.00	90.00	359.57	11,039.00	7,360.00	7,604.41	7,603.83	-560.11	0.00	525,302.28	731,911.04	32°26'30.931001"N	103°34'53.766400"W	
LTP Cross	19,200.00 19,201.50	90.00 90.00	359.57 359.57	11,039.00 11,039.00	7,360.00 7,360.00	7,704.41 7,705.91	7,703.82 7,705.32	-560.86 -560.87	0.00	525,402.27 525,403.77	731,910.30 731,910.29	32°26'31.935356"N	103°34'53.766873"W 103°34'53.766880"W	
DL 4 33 Federal Com No. 402H	19,276.48	90.00	359.57	11,039.00	7,360.00	7,780.88	7,780.30	-561.43	0.00	525,478.75	731,909.73	32°26'32.677294"N	103°34'53.767234"W	
Survey Type:	Def	Plan												
Survey Error Model: Survey Program:	ISC	VSA0 3 sigma						Expected Max						
Description		Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size C (in)	asing Diameter (in)	Expected Max Inclination (deg)	Survey Tool C	ode	Boreho	ole / Survey		
		1	0.000	19,119.908	1/100.00025 -	- 8.75 - 6.1259.6	25 – 7 – 6.125	E	B001Mb_MWD+HRGM	D	L 4 33 Federal	Com No. 402H / DL 4	33 Federal Com No. 40	02H R0 mdv 23Jun23
EOU Geometry:														
End MD (ft)		Hole Size	(in)	Casing Siz	e (in)		Name							

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,056.192	17.500	13.375	
4,558.081	12.250	9.625	
9,349.773	8.750	7.000	
19,276.480	6.125		

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Chevron
LEASE NO.:	NMNM96244
LOCATION:	Section 4, T.22 S, R.33 E., NMPM
COUNTY:	Lea County, New Mexico
WELL NAME & NO.:	DL 4 33 Fed Com 402H
SURFACE HOLE FOOTAGE:	2538'/N & 1713'/W
BOTTOM HOLE FOOTAGE:	25'/N & 1210'/W

COA

H ₂ S	• Yes	C No		
Potash / WIPP	C None	Secretary	C R-111-P	□ WIPP
Cave / Karst	• Low	C Medium	C High	C Critical
Wellhead	C Conventional	Multibowl	C Both	C Diverter
Cementing	Primary Squeeze	🗖 Cont. Squeeze	EchoMeter	DV Tool
Special Req	Break Testing	Water Disposal	COM	🗖 Unit
Variance	Flex Hose	Casing Clearance	🗖 Pilot Hole	Capitan Reef
Variance	□ Four-String	□ Offline Cementing	🗆 Fluid-Filled	🗆 Open Annulus
		Batch APD / Sundry		

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet all requirements from **43 CFR 3176**, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

- 1. The **13-3/8** inch surface casing shall be set at approximately **1500** 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.
 - 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 <u>24 hours in the Potash Area</u> or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

Page 1 of 8

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch 1^{st} 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.

- In <u>Secretary Potash Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- 3. The minimum required fill of cement behind the **7** inch 2nd Intermediate casing is:
 - Cement should tie-back at least **500 feet** into previous casing string. Operator shall provide method of verification.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, or potash.

- 4. The minimum required fill of cement behind the $5 \times 4-1/2$ inch production liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.

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 surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 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 43 CFR 3172 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 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. <u>When the Communitization Agreement number is known, it shall also be on the sign.</u>

(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 must meet all requirements from 43 CFR 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Approval Date: 11/28/2023

GENERAL REQUIREMENTS

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

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

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

- Lea County Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981
- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- <u>Wait on cement (WOC) for Potash Areas:</u> After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least <u>24 hours</u>. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. 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-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including

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lead cement), whichever is greater. However, if the float does not hold, cutoff cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR part 3170 Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 3172.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

ZS 10/11/2023



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 H_2S , who are not required to perform work in H_2S areas, will be provided with an awareness level of H_2S training prior to entering any H_2S areas. At a minimum, awareness level training will include:

- 1. Physical and chemical properties of 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.
- Basic overview of respiratory protective equipment suitable for use in H₂S environments. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program;
- 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 dog house 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

Agency	Telephone Number
Lea County Sheriff's Department	575-396-3611
Fire Department:	
Carlsbad	575-885-3125
Artesia	575-746-5050
Lea County Regional Medical Center	575-492-5000
Jal Community Hospital	505-395-2511
Lea County Emergency Management	575-396-8602
Poison Control Center	800-222-1222

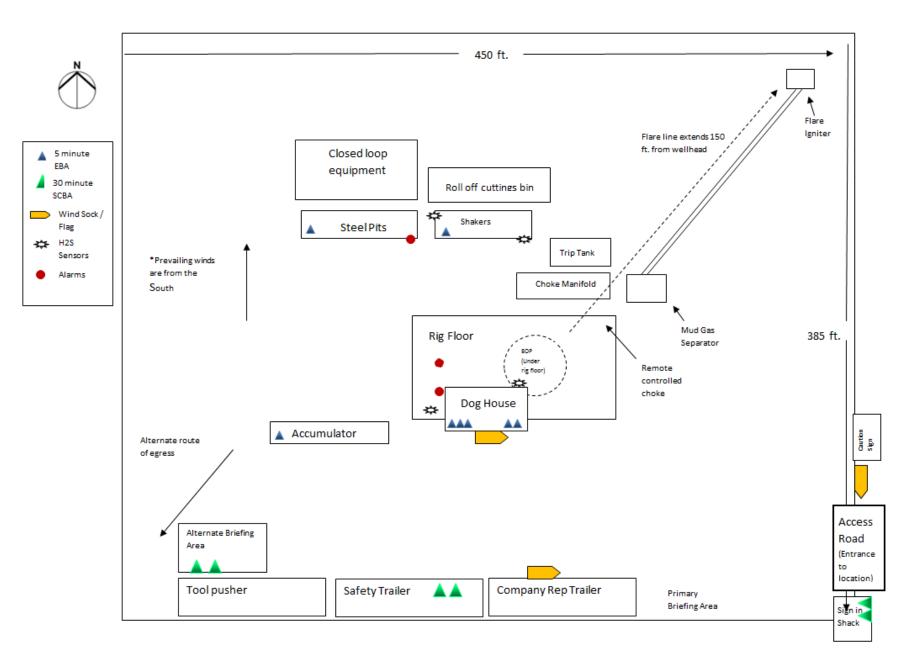


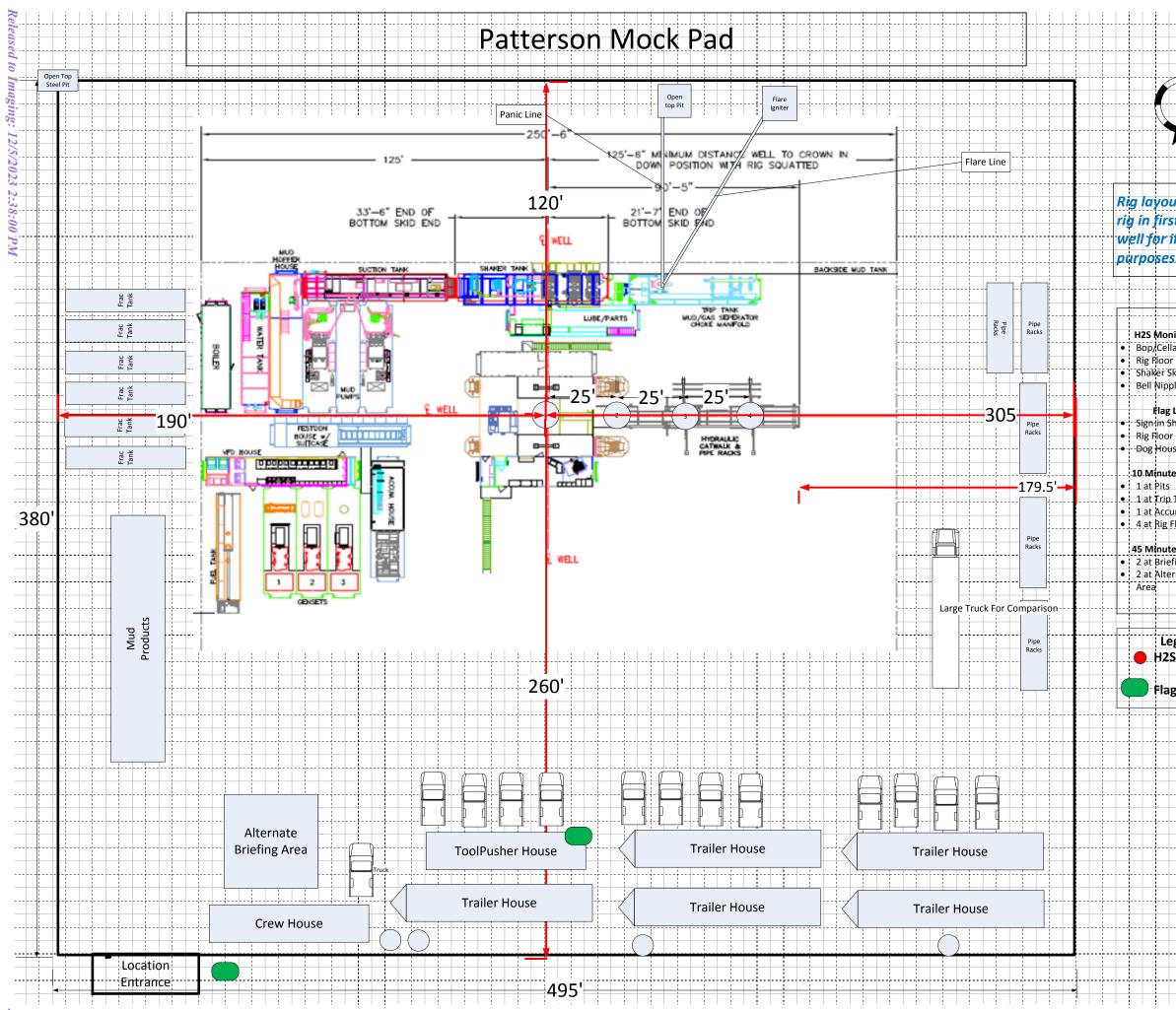
Chevron MCBU D&C Emergency Notifications

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

	Name	Title	Office Number	Cell Phone
1.	TBD	Drilling Engineer		
2.	Sergio Hernandez	Superintendent	713 372 1402	
5.	Dennis Mchugh	Drilling Manager	(713) 372-4496	
6.	Kyle Eastman	Operations Manager	713-372-5863	
7.	TBD	D&C HES		
8.	ТВD	Completion Engineer		







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g 5 1 		d >ni 	10	r			
g (5 1 		d >ni 	10	r			
8 		d >ni 	10	r			
8 		d >ni 	10	r			
g (5 1 		d	10	r			

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Intent As Drilled		
API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitu	de				Longitud	le			NAD

Is this well the defining well for the Horizontal Spacing Unit?	

Is this well an infill well?

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



APD ID: 10400093359

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

Submission Date: 07/12/2023

Operator Name: CHEVRON USA INCORPORATED Well Name: DL 4 33 FED COM Well Type: OIL WELL

Well Number: 402H Well Work Type: Drill Highlighted data reflects the most recent changes

11/28/2023

Drilling Plan Data Report

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
12520932	RUSTLER	3651	1346	1348	SANDSTONE	NONE	N
12520933	SALADO	1870	1781	1787	ANHYDRITE, SALT	NONE	N
12520934	CASTILE	229	3422	3444	ANHYDRITE, SALT	NONE	N
12520935	LAMAR	-1338	4989	5027	LIMESTONE, SANDSTONE	NONE	N
12520936	BELL CANYON	-1432	5083	5122	LIMESTONE, SANDSTONE	NONE	N
12520938	CHERRY CANYON	-2163	5814	5860	SANDSTONE, SILTSTONE	NONE	N
12520939	BRUSHY CANYON	-3463	7114	7163	LIMESTONE, SANDSTONE	NONE	N
12520943	BONE SPRING LIME	-5244	8895	8944	SHALE, SILTSTONE	NONE	N
12520944	AVALON SAND	-5339	8990	9560	SHALE	NONE	N
12520945	BONE SPRING 1ST	-6339	9990	10297	SHALE	NONE	N
12520946	BONE SPRING 2ND	-6959	10610	10660	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

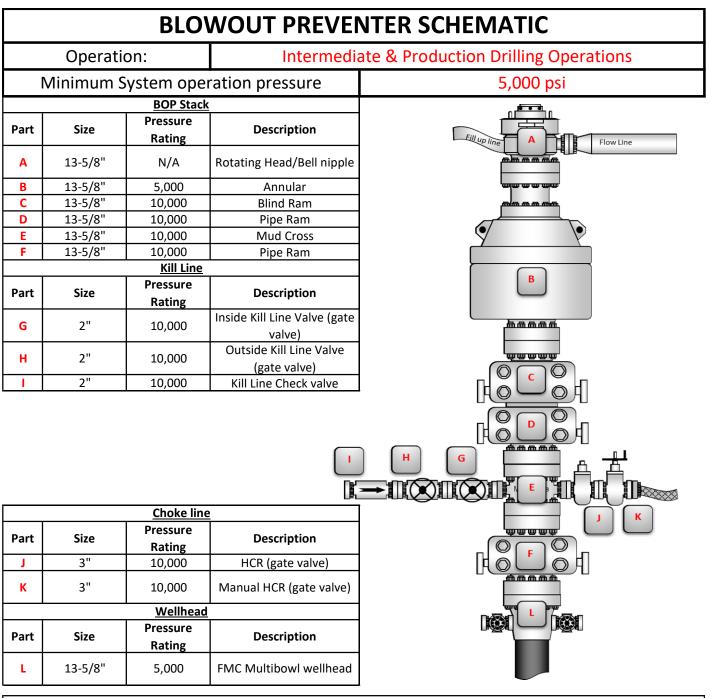
Pressure Rating (PSI): 5M

Rating Depth: 11039

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

Requesting Variance? YES

Variance request: "Chevron respectfully request to vary from the Onshore Order 2 where it states: "(A full BOP Test) shall be performed: when initially installed and whenever any seal subject to test pressure is broken." We propose to break test if able to finish the next hole section within 21 days of the previous full BOP test. No BOP components nor any break will ever surpass 21 days between testing. A break test will consist of a 250 psi low / 5,000 psi high for 10 min each test against the connection that was broken when skidding the rig. Upon the first nipple up of the pad a full BOP test will be performed. A full BOP test will be



BOP Installation Checklist: The following items must be verified and checked off prior to pressure testing BOP equipment

The installed BOP equipment meets at least the minimum requirements (rating, type, size, configuration) as shown on this schematic. Components may be substituted for equivalent equipment rated to higher pressures. Additional components may be put into place as long as they meet or exceed the minimum pressure rating of the system.

All valves on the kill line and choke line will be full opening and will allow straight flow through.

Manual (hand wheels) or automatic locking devices will be installed on all ram preventers. Hand wheels will also be install on all manual valves on the choke and kill line.

A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will remain open unless accumulator is inoperative.

Upper kelly cock valve with handle will be available on rig floor along with saved valve and subs to fit all drill string connections in use.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	289685
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

CONDING		
Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	12/5/2023
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	12/5/2023
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	12/5/2023
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	12/5/2023
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	12/5/2023

CONDITIONS

Action 289685