Form 3160-3 (June 2015)	7				APPROV o. 1004-(anuary 31	0137		
UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MANA	NTERIO			5. Lease Serial No. NMNM96244				
APPLICATION FOR PERMIT TO D	RILL OF	R REENTER		6. If Indian, Allotee or Tribe Name				
1a. Type of work:	EENTER			7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.				
	ther							
1c. Type of Completion: Hydraulic Fracturing	ngle Zone	Multiple Zone		DL 4 9 FEDERAL				
				413H				
2. Name of Operator CHEVRON USA INCORPORATED				9. API Well No.				
3a. Address	3h Phone	e No. (include area cod	(e)	3 10. Field and Pool,		52504		
P O BOX 1635, HOUSTON, TX 77251	(661) 654		c)	Red Tank/BONE S	1	2		
4. Location of Well (Report location clearly and in accordance w	with any Sta	ate requirements.*)		11. Sec., T. R. M. o		d Survey or Area		
At surface SENW / 2538 FNL / 1673 FWL / LAT 32.42	1136 / LOI	NG -103.580511		SEC 4/T22S/R33E	/NMP			
At proposed prod. zone SWSW / 25 FSL / 330 FWL / LA	T 32.3991	1 / LONG -103.58496	63					
14. Distance in miles and direction from nearest town or post offi 47 miles	ice*			12. County or Paris LEA	h	13. State NM		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of	f acres in lease	ing Unit dedicated to this well					
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 100 feet 	-	osed Depth et / 19118 feet	20. BLM/ FED: ES	/BIA Bond No. in file 60022				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3653 feet	22. Appro 01/01/20	oximate date work will 25	start*	23. Estimated duration130 days				
	24. Att	tachments						
The following, completed in accordance with the requirements of (as applicable)	f Onshore (Dil and Gas Order No. 1	l, and the H	Iydraulic Fracturing I	rule per 4	3 CFR 3162.3-3		
 Well plat certified by a registered surveyor. A Drilling Plan. 		4. Bond to cover th Item 20 above).		s unless covered by a	n existing	, bond on file (see		
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office	,			mation and/or plans as	s may be i	requested by the		
25. Signature (Electronic Submission)		me (Printed/Typed) IDY HERRERA-MUR	ILLO / Pł	n: (432) 687-7866	Date 07/12/2	2023		
Title Permitting Specialist								
Approved by (Signature) (Electronic Submission)		me <i>(Printed/Typed)</i> DY LAYTON / Ph: (57	75) 234-59	959	Date 01/26/2	2024		
Title Assistant Field Manager Lands & Minerals	Off Car	ice Isbad Field Office						
Application approval does not warrant or certify that the applicant applicant to conduct operations thereon. Conditions of approval, if any, are attached.	nt holds lega	al or equitable title to th	nose rights	in the subject lease w	hich wou	ild entitle the		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, m of the United States any false, fictitious or fraudulent statements of					any depa	rtment or agency		



*(Instructions on page 2)

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(Continued on page 2)

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztee, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	¹ API Nu		² Pool	Code	Code ³ Pool Name									
30-02	25-525	04	516	587		RED 7	FANK;BONE S	SPRING,E	EAST					
	ty Code			⁵ P	roperty Name				6	Well Number				
3353	335330 DL 4 9 FEDERAL 413H								413H					
⁷ OGR	ID No.			⁸ O	perator Name					⁹ Elevation				
43	23	CHEVRON U.S.A. INC. 36												
¹⁰ Surface Location														
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County				
F	4	22 SOUTH	33 EAST, N.M.P.M		2538'	NORTH	1693'	WE	ST	LEA				
			¹¹ Bottom	Hole Locat	tion If Diff	erent From S	Surface							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County				
М	9	22 SOUTH	33 EAST, N.M.P.M		25'	SOUTH	330'	WE	ST	LEA				
¹² Dedicated A	cres ¹³ Jo	nt or Infill	¹⁴ Consolidation Code	¹⁵ Order No.										
480		Infill			DE	FINING WELL	IS DL 4 9 FED	ERAL 41	4H					

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.

		-		-				
DL 4 9 FEDERAL		Α		В	t	С	D	¹⁷ OPERATOR CERTIFICATION
NO. 413H WELL			NM		1			I hereby certify that the information contained herein is true and complete
X = 732,451.14' (NAD27 NM E)		L	17440	30				to the best of my knowledge and belief, and that this organization either
Y = 517,698.69' LAT. 32.421015° N (NAD27)		L		2538'				owns a working interest or unleased mineral interest in the land including
LONG. 103.580025° W		⊢		-	1			the proposed bottom hole location or has a right to drill this well at this
X = 773,633.41' (NAD83/2011 NM E) Y = 517,758.84'		L		\leftarrow	1	Propos	ed First	location pursuant to a contract with an owner of such a mineral or
LAT. 32.421136° N (NAD83/2011)		┝	<u>/ 1693'</u>		<u>†</u>		Point	working interest, or to a voluntary pooling agreement or a compulsory
LONG. 103.580511° W		L	1		ļ	2615' FSL	, 330' FWL	pooling order heretofore entered by the division.
PROPOSED FIRST	PROPOSED MID POINT		5-7-7		1			
TAKE POINT X = 731,088,41' (NAD27 NM E)	X = 731,103.27' (NAD27 NM E) Y = 514,938.59'	ľ				S 83° 5	5' 15" W	Cindy Herrera-Murillo 07/06/2023
Y = 517,553.55'	LAT. 32.413455° N (NAD27)	Ł			,	1,37	0.44'	Signature Date
LAT. 32.420642° N (NAD27) LONG. 103.584444° W	LONG. 103.584455° W X = 772,285.59' (NAD83/2011 NM E)	F	32" 00'					Cindy Herrera-Murillo
X = 772,270.66' (NAD83/2011 NM E)	Y = 514,998.69'	ľ	20.0			Se Se	c. 4	
Y = 517,613.71' LAT. 32.420764° N (NAD83/2011)	LAT. 32.413576° N (NAD83/2011) LONG. 103.584941° W		<u>1</u> ° <u>6</u> _		,			Printed Name
LONG. 103.584930° W		Ł	2,6°			Proposed Mid Point		eeof@chevron.com
PROPOSED LAST	PROPOSED BOTTOM	ľ	l _o					E-mail Address
TAKE POINT	HOLE LOCATION	E		F	,	1 _G		
X = 731,132.76' (NAD27 NM E) Y = 509.751.04'	X = 731,133.20' (NAD27 NM E) Y = 509.676.04'	Þ	<u>۲</u>		,			
Y = 509,751.04 LAT. 32.399195° N (NAD27)	F = 509,676.04 LAT. 32.398989° N (NAD27)	ľ				1		¹⁸ SURVEYOR CERTIFICATION
LONG. 103.584478° W X = 772.315.21' (NAD83/2011 NM E)	LONG 103 584478° W X = 772,315.65' (NAD83/2011 NM E)	Ł	•		,	1		I hereby certify that the well location shown on this
Y = 509,811.01'	Y = 509,736.01'	F				NMNM	96244	plat was plotted from field notes of actual surveys
LAT. 32.399317° N (NAD83/2011) LONG. 103.584963° W	LAT. 32.399110° N (NAD83/2011) LONG. 103.584963° W	Ľ						made by me or under my supervision, and that the
LONG. 103.364903 W	LONG. 103.364903 W	k				1		
CORNER COORDIN	ATES TABLE (NAD 27)	K	63-			Sec	9	same is true and correct to the best of my belief.
	· · · ·	ľ				1		NEW M. COLE
	9, Y=520241.22 0, Y=520237.46	Ł	262.			1		06/07/2023 WE ME
	21, Y=520233.70		ړ. Π					
D - X=736025.5		ľ				Dropoo	ed Last	Signature and Seal of Professional Surveyor:
E - X=730772.5		Ł	' 33"				Point	
F - X=732095.3 G- X=733418.2		Ķ	10			100' FSL,		
H - X=736060.3		┢	° 8 /	\leftarrow				06/29/2023
	6, Y=509648.01	Ł	l _{ິທ} /			1		temen PNAL states
J - X=732128.23		ľ.	ı /			1		Stemen . Joeman
L - X=736102.7	0, Y=509672.38 2. Y=509685.81	ľ				1		Certificate Number
	,		<u> Xu</u>	. J		1ĸ	L	
	330' —	4						
			25					

Released to Imaging: 2/6/2024 11:42:15 AM

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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.

ins Natural Gas Management i fan must be submitted with each Application for Fermit to Drin (AFD) for a new of recompleted wen.												
			- Plan Descri	iption								
		Effect	<u>ive May 25, 2021</u>									
I. Operator: <u>Chevron USA</u>	Operator: Chevron USA Inc OGRID: 4323 Date: 5 / 22 / 2023											
I. Type: ⊠ Original □ Amendment due to □ 19.15.27.9.D(6)(a) NMAC □ 19.15.27.9.D(6)(b) NMAC □ Other.												
If Other, please describe:												
In other, please deserioe.	<u> </u>	· · · · · · · · · · · · · · · · · · ·										
III. Well(s): Provide the followi be recompleted from a single we				ell or set of wells p	roposed to be dri	illed or proposed to						
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D						
DL 4 33 FEDERAL COM #401H	Pending	UL:F, Sec 4, T22S-R33E	2538' FNL, 1673' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/D						
DL 4 33 FEDERAL COM #402H	Pending	UL:F ,Sec 4, T22S-R33E	2538' FNL, 1713' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/D						
DL 4 33 FEDERAL COM #403H	Pending	UL:F, Sec 4, T22S-R33E	2538' FNL, 1693' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/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, T22S-R33E	2538' FNL, 1733' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/D						
DL 4 33 FEDERAL COM #415H	Pending	UL:F, Sec 4, T22S; R33E	2537' FNL, 1733' FWL	1040 BBL/D	1375 MCF/D	2810 BBL/D						
IV. Central Delivery Point Nar	ne:	Dagger Lake C	TB 4	[S	See 19.15.27.9(D)(1) NMAC]						
V. Anticipated Schedule: Provi proposed to be recompleted from					et of wells prop	osed to be drilled or						
Well Name	API	Spud Date	TD Reached Date	Completion Commencement	Initial Flow Back Date	First Production Date						
DL 4 33 FEDERAL COM #401H	Pending	1/20/2025	<u>N/A</u>	Date N/A	<u>N/A</u>	N/A						
DL 4 33 FEDERAL COM #402H	Pending	<u>2/9/2025</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>						
DL 4 33 FEDERAL COM #403H	Pending	3/1/2025	N/A	N/A	N/A	N/A						

VI. Separation Equipment: 🖂 Attach a complete description of how Operator will size separation equipment to optimize gas capture. Page 1 of 4

N/A

<u>N/A</u>

DL 4 33 FEDERAL COM #413H

DL 4 33 FEDERAL COM #414H

DL 4 33 FEDERAL COM #415H

Pending

Pending

Pending

3/21/2025

4/10/2025

4/30/2025

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:
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 9 FEDERAL

Well Number: 413H

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

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	3653	2153	1500	J-55	54.5	BUTT	1.63	1.82	BUOY	11.1 2	BUOY	10.4 3
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	5094	0	5007	3554	-1354	5094	L-80	40	LT&C	1.36	2.06	BUOY	4.73	BUOY	4.57
3	PRODUCTI ON	8.75	7.0	NEW	API	N	0	10340	0	10198	3554	-6545	10340	P- 110		OTHER - BLUE	1.69	2.58	BUOY	3.14	BUOY	3.14
4	PRODUCTI ON	6.12 5	5.0	NEW	API	N	10140	10790	9998	10598	-6345	-6945	650	P- 110	-	OTHER - W513	1.15	2.46	BUOY	1.93	BUOY	3.04
5	PRODUCTI ON	6.12 5	4.5	NEW	API	N	10790	19118	10598	10771	-6945	-7118	8328	P- 110		OTHER - W521	1.15	2.46	BUOY	1.93	BUOY	3.04

Casing Attachments

Received by OCD: 1/31/2024 9:20:19 AM

Operator Name: CHEVRON USA INCORPORATED

Well Name: DL 4 9 FEDERAL

Well Number: 413H

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:													
Tonorod String Space													
Tapered String Spec:													
Casing Design Assumptions and Worksheet(s):													
9.625_K_55IC_Tenaris_20200602095048.pdf													
Casing ID: 3 String PRODUCTION													
Inspection Document:													
Spec Document:													
Tapered String Spec:													
Casing Design Assumptions and Worksheet(s):													
7in_Blue_SD_29ppf_P110_20221213143119.pdf													

Received by OCD: 1/31/2024 9:20:19 AM

Operator Name: CHEVRON USA INCORPORATED

Well Name: DL 4 9 FEDERAL

Well Number: 413H

Casing Attachments

Casing ID: 4	String	PRODUCTION										
Inspection Document:												
Spec Document:												
Tapered String Spec:												
Casing Design Assumptions and Worksheet(s):												
	5in_Wedge_513_18ppf_P110_20221213143326.pdf											
	8ppf_P110_2	20221213143326.pdf										
	8ppf_P110_2 String	20221213143326.pdf PRODUCTION										
5in_Wedge_513_1												
5in_Wedge_513_1												

Casing Design Assumptions and Worksheet(s):

4.5in_Wedge_521_11.6ppf_P110_20221213143459.pdf

Section	4 - Ce	emen	t 👘								
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

Section 4 - Cement	
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INTERMEDIATE	Lead		0	4094	740	2.29	11.5	1696	25	Class C	Extender, Antifoam, Retarder, Viscosifier
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Well Name: DL 4 9 FEDERAL

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		4094	5094	263	1.63	12.6	429	25	Class C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		0	9340	456	3.52	10.5	1605	25	Class C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Tail		9340	1034 0	124	1.52	12.6	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		1014 0	1911 8	695	1.52	12.6	1057	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 9 FEDERAL

Well Number: 413H

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	5094	OTHER : BRINE/OBM	8.9	10							Saturated brine would be used through salt sections.
5094	1034 0	OIL-BASED MUD	8.5	9.5							
1034 0	1911 8	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: 6721

Anticipated Surface Pressure: 4351

Anticipated Bottom Hole Temperature(F): 188

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 9 FEDERAL

Well Number: 413H

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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 DefPlan100ft_DL49FederalNo.413H_R0_20230711105223.pdf DL_4_9_Federal_413H__9_Pt_Plan__1__20230711105234.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: Cilent: Field: Structure / Slot: Well: Borehole: UBHI / APIe: Survey Date: Tor / AHD / DD/ / ERD Ratio: Coordinate Reference System: Location Lat / Long: coation Lat / Long:	Chev NM, 1 Chev DL 4 Unkn DL 4 June 114.(NAD: 32*2	Lea County (NAD ron DL Pad 401 / 9 Federal No. 41: 9 Federal No. 41: 10 Federal No. 41: 123, 2023 000 ° / 9882.290 ft 27 New Mexico St 5'15.65433"N , 10	27 EZ) DL 4 9 Federal N 3H 3H R0 mdv 23Jur 1 / 6.301 / 0.917 tate Plane, Easter 3*34'48.08995"W	n23 m Zone, US Feet		Survey / DLS Computa Vertical Section Azimut Vertical Section Origin: TVD Reference Datum: TVD Reference Elevatii Seabed / Ground Eleva Magnetic Declination: Total Gravity Field Stre Gravity Model: Declination Date:	h: ion: ngth: rength:	Minimum Curvature / Lub 179.670 *(GRID North) 0.000 ft, 0.000 ft RKB 3681.000 ft above MSL 6.293* 988.4665mgn (9.80665 B GARM 47633.02 nT 6.0.046* June 23, 2023				
Location Grid N/E Y/X: CRS Grid Convergence Angle: Grid Scale Factor: Version / Patch:	0.403	7698.690 ftUS, E 39° 997097 1.1.0.1	732451.140 RUS			Magnetic Declination N North Reference: Grid Convergence Use Total Corr Mag North-> Local Coord Reference	d: Grid North:	HDGM 2023 Grid North 0.4039° 5.8893° Well Head				
Comments	MD (ft)	Inci (°)	Azim (°)	TVD (ft)	TVDSS (ft)		NS (ft		DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude Longitu (* ' ") (*
Surface	0.00	0.00	287.39 287.39	0.00	-3,681.00	0.00	0.00	0.00	0.00	517,698.69 517,698.69	732,451.14 732,451.14	32°25'15.654330"N 103°34'48.089948 32°25'15.654330"N 103°34'48.089948'
	200.00 300.00 400.00	0.00 0.00 0.00	287.39 287.39 287.39	200.00 300.00 400.00	-3,481.00 -3,381.00 -3,281.00	0.00	0.00	0.00	0.00 0.00 0.00	517,698.69 517,698.69 517,698.69	732,451.14 732,451.14 732,451.14	32°25'15.654330"N 103°34'48.089948' 32°25'15.654330"N 103°34'48.089948' 32°25'15.654330"N 103°34'48.089948'
Build 1.5°/100ft	500.00 600.00	0.00	287.39 287.39 287.39	500.00 600.00	-3,281.00 -3,181.00 -3,081.00	0.00	0.00	0.00	0.00	517,698.69 517,698.69 517,698.69	732,451.14 732,451.14 732,451.14	32°25'15.654330"N 103°34'48.089946 32°25'15.654330"N 103°34'48.089948 32°25'15.654330"N 103°34'48.089948'
	700.00 800.00	1.50	287.39 287.39	699.99 799.91	-2,981.01 -2,881.09	-0.40 -1.59	0.39	-1.25	1.50	517,699.08 517,700.25	732,449.89 732,446.14	32°25'15.658288"N 103°34'48.104487' 32°25'15.670158"N 103°34'48.148094'
	900.00 1,000.00	4.50 6.00	287.39 287.39	899.69 999.27	-2,781.31 -2,681.73	-3.58 -6.37	3.52 6.25		1.50 1.50	517,702.21 517,704.94	732,439.90 732,431.17	32°25'15.689934"N 103°34'48.220739 32°25'15.717601"N 103°34'48.322373'
	1,100.00 1,200.00	7.50 9.00	287.39 287.39	1,098.57 1,197.54	-2,582.43 -2,483.46	-14.31	9.77 14.05	-44.88	1.50 1.50	517,708.46 517,712.74	732,419.96 732,406.26	32°25'15.753141"N 103°34'48.452926' 32°25'15.796528"N 103°34'48.612307'
Rustler (RSLR)	1,300.00 1,346.75	10.50 11.20	287.39 287.39	1,296.09 1,342.00	-2,384.91 -2,339.00	-19.47 -22.15	19.12 21.75	-69.44	1.50 1.50	517,717.80 517,720.43	732,390.10 732,381.71	32°25'15.847734"N 103°34'48.800409 32°25'15.874343"N 103°34'48.898158
Hold	1,400.00 1,500.00 1.600.00	12.00 12.00 12.00	287.39 287.39 287.39	1,394.16 1,491.98 1,589.79	-2,286.84 -2,189.02 -2.091.21	-25.40 -31.73 -38.06	24.95 31.16 37.37	-99.50	1.50 0.00 0.00	517,723.64 517,729.85 517,736.06	732,371.49 732,351.65 732.331.81	32°25'15.906722"N 103°34'49.017103' 32°25'15.969589"N 103°34'49.248044' 32°25'16.032456"N 103°34'49.478985'
Saldo (SLDO)	1,700.00 1,797.52	12.00	287.39 287.39 287.39	1,589.79 1,687.61 1,783.00	-2,091.21 -1,993.39 -1.898.00	-44.39	43.59 49.65	-139.18	0.00	517,742.28	732,331.81 732,311.97 732,292.62	32°25'16.032456 N 103°34'49.478985 32°25'16.095323"N 103°34'49.709926' 32°25'16.156632"N 103°34'49.935146'
Saldo (SLDO)	1,797.52 1,800.00 1,900.00	12.00 12.00 12.00	287.39 287.39 287.39	1,785.42 1,883.24	-1,898.00 -1,895.58 -1,797.76	-50.72	49.65 49.80 56.01	-159.02	0.00	517,748.34 517,748.49 517,754.70	732,292.62 732,292.13 732,272.29	32°25'16.158632'N 103°34'49.935146 32°25'16.158190'N 103°34'49.940867' 32°25'16.221056'N 103°34'50.171809'
	2,000.00 2,100.00	12.00 12.00 12.00	287.39 287.39 287.39	1,981.05 2,078.87	-1,699.95	-63.37	62.23 68.44	-198.70	0.00	517,760.92 517,767.13	732,252.45 732,232.60	32°25'16.283923"N 103°34'50.402750 32°25'16.346789"N 103°34'50.633692'
	2,200.00 2,300.00	12.00 12.00	287.39 287.39	2,176.68 2,274.50	-1,504.32 -1,406.50	-76.03 -82.35	74.66 80.87	-238.38 -258.22	0.00 0.00	517,773.34 517,779.56	732,212.76 732,192.92	32°25'16.409655"N 103°34'50.864634 32°25'16.472521"N 103°34'51.095575
	2,400.00 2,500.00	12.00 12.00	287.39 287.39	2,372.31 2,470.13	-1,308.69 -1,210.87	-88.68 -95.01	87.08 93.30		0.00	517,785.77 517,791.98	732,173.08 732,153.24	32°25'16.535387"N 103°34'51.326517 32°25'16.598253"N 103°34'51.557459
	2,600.00 2,700.00	12.00 12.00	287.39 287.39	2,567.94 2,665.76	-1,113.06 -1,015.24	-107.67	99.51 105.72	-337.59	0.00	517,798.20 517,804.41	732,133.40 732,113.56	32°25'16.661119"N 103°34'51.788401 32°25'16.723985"N 103°34'52.019343
	2,800.00 2,900.00	12.00 12.00	287.39 287.39	2,763.57 2,861.39	-917.43 -819.61	-113.99 -120.32	111.94 118.15	-377.27	0.00	517,810.62 517,816.84	732,093.72 732,073.88	32°25'16.786850"N 103°34'52.250286' 32°25'16.849715"N 103°34'52.481228' 32°25'16.912581"N 103°34'52.712170'
	3,000.00 3,100.00	12.00 12.00	287.39 287.39 287.39	2,959.20 3,057.02	-721.80 -623.98		124.36	-416.95	0.00	517,823.05 517,829.26 517,835.48	732,054.04 732,034.20 732,014.36	32°25'16.975446"N 103°34'52.943113
	3,200.00 3,300.00 3,400.00	12.00 12.00 12.00	287.39 287.39 287.39	3,154.83 3,252.64 3,350.46	-526.17 -428.36 -330.54	-145.63	136.79 143.01 149.22	-456.63	0.00 0.00 0.00	517,835.48 517,841.69 517,847.90	732,014.36 731,994.52 731,974.68	32°25'17.038311"N 103°34'53.174055' 32°25'17.101176"N 103°34'53.404998' 32°25'17.164041"N 103°34'53.635941'
Castile (CSTL)	3,479.27 3,500.00	12.00 12.00 12.00	287.39 287.39 287.39	3,428.00 3,448.27	-253.00 -232.73	-156.98	154.14	-492.20	0.00	517,852.83 517,854.12	731,958.95 731,958.84	32°25'17.213875"N 103°34'53.8594" 32°25'17.213875"N 103°34'53.819016 32°25'17.226905"N 103°34'53.866884'
	3,600.00 3,700.00	12.00 12.00 12.00	287.39 287.39	3,546.09 3,643.90	-134.91 -37.10	-164.62	161.65	-516.16	0.00	517,860.33 517,866.54	731,935.00 731,915.16	32°25'17.289770"N 103°34'54.097827' 32°25'17.352634"N 103°34'54.328770'
	3,800.00	12.00 12.00	287.39 287.39	3,741.72 3.839.53	60.72 158.53	-177.27	174.07	-555.84	0.00	517,872.76 517.878.97	731,895.32 731,875,48	32°25'17.415499"N 103°34'54.559713 32°25'17.478363"N 103°34'54.790656'
	4,000.00 4,100.00	12.00 12.00	287.39 287.39	3,937.35 4,035.16	256.35 354.16		186.50 192.71		0.00	517,885.19 517,891.40	731,855.64 731,835.80	32°25'17.541227"N 103°34'55.021599 32°25'17.604091"N 103°34'55.252543'
	4,200.00 4,300.00	12.00 12.00	287.39 287.39	4,132.98 4,230.79	451.98 549.79	-208.91	198.93 205.14	-655.04	0.00	517,897.61 517,903.83	731,815.96 731,796.12	32°25'17.666955"N 103°34'55.483486 32°25'17.729819"N 103°34'55.714430
	4,400.00 4,500.00	12.00 12.00	287.39 287.39	4,328.61 4,426.42	647.61 745.42		211.36 217.57	-694.72	0.00	517,910.04 517,916.25	731,776.28 731,756.44	32°25'17.792682"N 103°34'55.945374 32°25'17.855546"N 103°34'56.176317
	4,600.00 4,700.00	12.00 12.00	287.39 287.39	4,524.24 4,622.05	843.24 941.05	-227.89 -234.22	223.78 230.00	-734.41	0.00	517,922.47 517,928.68	731,736.60 731,716.76	32°25'17.918409"N 103°34'56.407261 32°25'17.981273"N 103°34'56.638205
	4,800.00 4,900.00	12.00 12.00	287.39 287.39	4,719.87 4,817.68	1,038.87		236.21	-774.09	0.00	517,934.89 517,941.11	731,696.92	32°25'18.044136"N 103°34'56.869149 32°25'18.106999"N 103°34'57.100093
Lamar (LMAR)	5,000.00 5,100.00 5,114.00	12.00 12.00 12.00	287.39 287.39 287.39	4,915.50 5,013.31 5,027.00	1,234.50 1,332.31 1,346.00	-259.53	248.64 254.85 255.72	-813.77	0.00 0.00 0.00	517,947.32 517,953.53 517,954.40	731,657.24 731,637.40 731,634.62	32°25'18.169862"N 103°34'57.331038' 32°25'18.232725"N 103°34'57.561982' 32°25'18.241523"N 103°34'57.594304'
Bell Canyon (BEL)	5,114.00 5,189.65 5,200.00	12.00 12.00 12.00	287.39 287.39 287.39	5,027.00 5,101.00 5,111.13	1,346.00 1,420.00 1.430.13	-265.21	260.42 261.07	-831.56	0.00	517,954.40 517,959.10 517,959.75	731,634.62 731,619.61 731,617.55	32°25'18.24'1523'N 103°34'57.594304 32°25'18.289080'N 103°34'57.769021' 32°25'18.295588'N 103°34'57.792926'
	5,300.00 5,400.00	12.00	287.39	5,208.94	1,527.94	-272.19	267.28	-853.45	0.00	517,965.96 517,972.17	731,597.71	32°25'18.358450"N 103°34'58.023871 32°25'18.421313"N 103°34'58.254815'
	5,500.00 5,600.00	12.00	287.39 287.39	5,404.57 5,502.38	1,723.57	-284.85	279.71 285.92	-893.13	0.00	517,978.39 517,984.60	731,558.03 731,538.19	32°25'18.484175"N 103°34'58.485760' 32°25'18.547037"N 103°34'58.716705'
	5,700.00 5,800.00	12.00 12.00	287.39 287.39	5,600.20 5,698.01	1,919.20 2,017.01	-297.50 -303.83	292.13 298.35	-932.82	0.00	517,990.81 517,997.03	731,518.35 731,498.51	32°25'18.609899"N 103°34'58.947650' 32°25'18.672761"N 103°34'59.178595'
Cherry Canyon (CHR)	5,900.00 5,924.71	12.00 12.00	287.39 287.39	5,795.83 5,820.00	2,114.83 2,139.00		304.56 306.10	-977.40	0.00	518,003.24 518,004.78	731,478.67 731,473.77	32°25'18.735623"N 103°34'59.409540 32°25'18.751158"N 103°34'59.466610
	6,000.00 6,100.00	12.00 12.00	287.39 287.39	5,893.64 5,991.46	2,212.64 2,310.46		310.77 316.99	-1,012.18	0.00	518,009.45 518,015.67	731,458.83 731,438.99	32°25'18.798485"N 103°34'59.640485 32°25'18.861347"N 103°34'59.871430
	6,200.00 6,300.00	12.00 12.00	287.39 287.39	6,089.27 6,187.09	2,408.27 2,506.09	-329.14 -335.47	323.20 329.42		0.00	518,021.88 518,028.10	731,419.15 731,399.31	32°25'18.924208"N 103°35'0.102375 32°25'18.987070"N 103°35'0.333321
	6,400.00 6,500.00	12.00 12.00	287.39 287.39	6,284.90 6,382.72	2,603.90 2,701.72		335.63 341.84		0.00	518,034.31 518,040.52	731,379.47 731,359.63	32°25'19.049931"N 103°35'0.564266 32°25'19.112792"N 103°35'0.795212 32°25'19.175653"N 103°35'1.026158
	6,600.00 6,700.00 6.800.00	12.00 12.00 12.00	287.39 287.39 287.39	6,480.53 6,578.35 6,676.16	2,799.53 2,897.35 2,995.16	-354.45 -360.78 -367.11	348.06 354.27 360.48	-1,131.23	0.00 0.00 0.00	518,046.74 518,052.95 518,059.16	731,339.79 731,319.95 731,300.11	32°25'19.175653"N 103°35'1.026158 32°25'19.238514"N 103°35'1.257103 32°25'19.301375"N 103°35'1.488049
	6,900.00 7,000.00	12.00	287.39 287.39 287.39	6,773.98 6.871.79	3,092.98	-373.44 -379.76	366.70		0.00	518,055.38 518,071.59	731,280.27 731,260.43	32°25'19.364236"N 103°35'1.488049 32°25'19.364236"N 103°35'1.718995 32°25'19.427097"N 103°35'1.949941
Drop .75°/100ft	7,080.49	12.00	287.39 287.39	6,950.52 6,969.61	3,269.52	-384.86 -386.08	377.91	-1,206.72	0.00	518,076.59 518,077.80	731,244.46	32°25'19.477692"N 103°35'2.135827 32°25'19.489883"N 103°35'2.180617
Brushy Canyon (BCN)	7,200.00 7,271.67	11.10 10.57	287.39 287.39	7,067.61 7,138.00	3,386.61 3,457.00	-392.14	385.06 389.09	-1,229.56	0.75	518,083.74 518,087.77	731,221.62 731,208.77	32°25'19.550050"N 103°35'2.401666 32°25'19.590782"N 103°35'2.551312
	7,300.00 7,400.00	10.35 9.60	287.39 287.39	7,165.86 7,264.35	3,484.86 3,583.35	-397.81 -403.08	390.63 395.81	-1,247.32 -1,263.86	0.75 0.75	518,089.31 518,094.48	731,203.86 731,187.32	32°25'19.606333"N 103°35'2.608447 32°25'19.658723"N 103°35'2.800925
	7,500.00 7,600.00	8.85 8.10	287.39 287.39	7,363.05 7,461.96	3,682.05 3,780.96	-407.96 -412.45	400.60		0.75 0.75	518,099.28 518,103.68	731,172.02 731,157.95	32°25'19.707210"N 103°35'2.979067 32°25'19.751787"N 103°35'3.142842
	7,700.00 7,800.00	7.35 6.60	287.39 287.39	7,561.05 7,660.31	3,880.05 3,979.31	-416.54 -420.24	409.03 412.66	-1,317.66	0.75 0.75	518,107.70 518,111.33	731,145.12 731,133.52	32°25'19.792446"N 103°35'3.292223 32°25'19.829180"N 103°35'3.427182
	7,900.00 8,000.00	5.85 5.10	287.39 287.39	7,759.72 7,859.26	4,078.72 4,178.26	-423.54 -426.45	415.90 418.75	-1,337.12	0.75 0.75	518,114.58 518,117.43	731,123.17 731,114.06	32°25'19.861982"N 103°35'3.547699 32°25'19.890848"N 103°35'3.653751
	8,100.00 8,200.00	4.35 3.60	287.39 287.39	7,958.92 8,058.68	4,277.92 4,377.68	-428.96 -431.07	421.22 423.29	-1,351.61	0.75	518,119.89 518,121.97	731,106.19 731,099.57	32°25'19.915772"N 103°35'3.745321 32°25'19.936749"N 103°35'3.822393
	8,300.00 8,400.00	2.85 2.10	287.39 287.39	8,158.52 8,258.42	4,477.52 4,577.42	-432.78 -434.10	424.97 426.27	-1,361.11	0.75	518,123.65 518,124.94	731,094.19 731,090.07	32°25'19.953777"N 103°35'3.884953' 32°25'19.966852"N 103°35'3.932992' 32°25'19.975973"N 103°35'3.966500'
Held Verticel	8,500.00 8,600.00	1.35	287.39 287.39	8,358.38 8,458.36	4,677.38	-435.02 -435.54	427.17 427.68	-1,365.62	0.75	518,125.84 518,126.35	731,087.19 731,085.56 731,085.15	32°25'19.981137"N 103°35'3.985473'
Hold Vertical	8,680.49 8,700.00 8,800.00	0.00 0.00 0.00	287.39 287.39 287.39	8,538.85 8,558.36 8,658.36	4,857.85 4,877.36 4,977.36	-435.66	427.80 427.80 427.80	-1,366.03	0.75 0.00 0.00	518,126.48 518,126.48 518,126.48	731,085.15 731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
	8,900.00 9,000.00	0.00	287.39 287.39 287.39	8,758.36 8,858.36	5,077.36 5,177.36	-435.66 -435.66	427.80	-1,366.03	0.00	518,126.48 518,126.48 518,126.48	731,085.15 731,085.15 731,085.15	32°25'19.982419'N 103°35'3.990182 32°25'19.982419'N 103°35'3.990182 32°25'19.982419'N 103°35'3.990182
Bone Spring (BSL)	9,025.64 9,100.00	0.00	287.39 287.39 287.39	8,884.00 8,958.36	5,203.00	-435.66 -435.66	427.80	-1,366.03	0.00	518,126.48 518,126.48 518,126.48	731,085.15 731,085.15 731,085.15	32°25'19.982419'N 103°35'3.990182 32°25'19.982419'N 103°35'3.990182 32°25'19.982419'N 103°35'3.990182
Upper Avalon (AVU)	9,126.64 9,200.00	0.00	287.39 287.39	8,985.00 9,058.36	5,304.00 5,377.36	-435.66 -435.66	427.80 427.80	-1,366.03 -1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
	9,300.00 9,400.00	0.00	287.39 287.39	9,158.36 9,258.36	5,477.36 5,577.36	-435.66 -435.66	427.80 427.80	-1,366.03 -1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
	9,500.00 9,600.00	0.00	287.39 287.39	9,358.36 9,458.36	5,677.36 5,777.36	-435.66 -435.66	427.80 427.80	-1,366.03 -1,366.03	0.00 0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
Lower Avalon (AVL)	9,640.64 9,700.00	0.00	287.39 287.39	9,499.00 9,558.36	5,818.00 5,877.36	-435.66 -435.66	427.80 427.80	-1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
	9,800.00 9,900.00	0.00	287.39 287.39	9,658.36 9,758.36	5,977.36 6,077.36	-435.66 -435.66	427.80	-1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
First Bana Casing Line or (FPL)	10,000.00 10,100.00	0.00	287.39 287.39	9,858.36 9,958.36	6,177.36 6,277.36	-435.66 -435.66	427.80	-1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15 731,085.15	32°25'19.982419"N 103°35'3.990182 32°25'19.982419"N 103°35'3.990182
First Bone Spring Upper (FBU)	10,121.64 10,200.00	0.00	287.39 287.39	9,980.00 10,058.36	6,299.00 6,377.36	-435.66 -435.66	427.80 427.80	-1,366.03 -1,366.03	0.00	518,126.48 518,126.48	731,085.15 731,085.15	32°25'19.982419"N 103°35'3.99018 32°25'19.982419"N 103°35'3.99018

DL 4 9 Federal No. 413H R0 mdv 23Jun23 Proposal Geodetic Report

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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 (° ' ")
Build 10°/100ft	10,300.00 10.339.68	0.00	287.39 287.39	10,158.36 10,198.04	6,477.36 6.517.04	-435.66 -435.66	427.80 427.80	-1,366.03 -1.366.03	0.00	518,126.48 518,126.48	731,085.15 731.085.15	32°25'19.982419"N 32°25'19.982419"N	103°35'3.990182"W 103°35'3.990182"W
First Bone Spring Lower (FBL)	10,382.68	4.30	179.67	10,241.00	6,560.00	-434.05	426.19	-1,366.02	10.00	518,124.87	731,085.16	32°25'19.966461"N	103°35'3.990207"W
	10,400.00 10,500.00	6.03 16.03	179.67 179.67	10,258.25 10,356.28	6,577.25 6,675.28	-432.49 -413.38	424.63 405.52	-1,366.01 -1,365.90	10.00 10.00	518,123.31 518,104.20	731,085.17 731,085.28	32°25'19.951031"N 32°25'19.761924"N	103°35'3.990232"W 103°35'3.990527"W
	10,600.00	26.03	179.67	10,449.50	6,768.50	-377.54	369.68	-1,365.70	10.00	518,068.36	731,085.48	32°25'19.407251"N	103°35'3.991081"W
Second Bone Upper (SBU)	10,700.00 10,799.40	36.03 45.97	179.67 179.67	10,535.08 10,610.00	6,854.08 6,929.00	-326.05 -260.92	318.19 253.06	-1,365.41 -1,365.04	10.00 10.00	518,016.87 517,951.74	731,085.78 731,086.15	32°25'18.897790"N 32°25'18.253266"N	103°35'3.991877"W 103°35'3.992885"W
,	10,800.00	46.03	179.67	10,610.41	6,929.41	-260.49	252.63	-1,365.03	10.00	517,951.31	731,086.15	32°25'18.249020"N	103°35'3.992891"W
	10,900.00 11.000.00	56.03 66.03	179.67 179.67	10,673.22 10,721.59	6,992.22 7.040.59	-182.84 -95.46	174.98 87.60	-1,364.59 -1,364.09	10.00 10.00	517,873.67 517,786.29	731,086.59 731.087.09	32°25'17.480653"N 32°25'16.616036"N	103°35'3.994092"W 103°35'3.995443"W
	11,100.00	76.03	179.67	10,754.06	7,073.06	-1.01	-6.84	-1,363.56	10.00	517,691.85	731,087.62	32°25'15.681440"N	103°35'3.996903"W
Landing Point	11,200.00 11,239.68	86.03 90.00	179.67 179.67	10,769.63 10,771.00	7,088.63 7,090.00	97.64 137.29	-105.49 -145.14	-1,363.00 -1,362.77	10.00 10.00	517,593.20 517,553.55	731,088.18 731,088.41	32°25'14.705262"N 32°25'14.312916"N	103°35'3.998428"W 103°35'3.999041"W
FTP Cross	11,239.70	90.00	179.67	10,771.00	7,090.00	137.31	-145.16	-1,362.77	0.00	517,553.53	731,088.41	32°25'14.312738"N	103°35'3.999041"W
	11,300.00 11,400.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	197.61 297.61	-205.46 -305.46	-1,362.43 -1,361.86	0.00	517,493.23 517,393.24	731,088.75 731,089.32	32°25'13.716060"N 32°25'12.726545"N	103°35'3.999974"W 103°35'4.001520"W
	11,500.00	90.00	179.67	10,771.00	7,090.00	397.61	-405.46	-1,361.29	0.00	517,293.24	731,089.89	32°25'11.737030"N	103°35'4.003065"W
	11,600.00 11,700.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	497.61 597.61	-505.46 -605.46	-1,360.72 -1,360.16	0.00	517,193.25 517,093.25	731,090.46 731,091.03	32°25'10.747515"N 32°25'9.758000"N	103°35'4.004611"W 103°35'4.006157"W
	11,800.00	90.00	179.67	10,771.00	7,090.00	697.61	-705.45	-1,359.59	0.00	516,993.26	731,091.59	32°25'8.768485"N	103°35'4.007702"W
	11,900.00 12,000.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	797.61 897.61	-805.45 -905.45	-1,359.02 -1,358.45	0.00	516,893.26 516,793.27	731,092.16 731,092.73	32°25'7.778969"N 32°25'6.789454"N	103°35'4.009248"W 103°35'4.010793"W
	12,100.00	90.00	179.67	10,771.00	7,090.00	997.61	-1,005.45	-1,357.88	0.00	516,693.27	731,093.30	32°25'5.799939"N	103°35'4.012338"W
	12,200.00 12,300.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	1,097.61 1,197.61	-1,105.45 -1,205.45	-1,357.32 -1,356.75	0.00	516,593.28 516,493.28	731,093.87 731,094.44	32°25'4.810423"N 32°25'3.820908"N	103°35'4.013884"W 103°35'4.015429"W
	12,400.00	90.00	179.67	10,771.00	7,090.00	1,297.61	-1,305.44	-1,356.18	0.00	516,393.29	731,095.00	32°25'2.831392"N	103°35'4.016974"W
	12,500.00 12,600.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	1,397.61 1,497.61	-1,405.44 -1,505.44	-1,355.61 -1,355.04	0.00	516,293.29 516,193.30	731,095.57 731,096.14	32°25'1.841877"N 32°25'0.852361"N	103°35'4.018519"W 103°35'4.020064"W
	12,700.00	90.00	179.67	10,771.00	7,090.00	1,597.61	-1,605.44	-1,354.47	0.00	516,093.30	731,096.71	32°24'59.862846"N	103°35'4.021609"W
	12,800.00 12,900.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	1,697.61 1,797.61	-1,705.44 -1,805.44	-1,353.91 -1,353.34	0.00	515,993.31 515,893.31	731,097.28 731,097.84	32°24'58.873330"N 32°24'57.883814"N	103°35'4.023154"W 103°35'4.024699"W
	13,000.00	90.00	179.67	10,771.00	7,090.00	1,897.61	-1,905.43	-1,352.77	0.00	515,793.32	731,098.41	32°24'56.894298"N	103°35'4.026243"W
	13,100.00 13.200.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	1,997.61 2.097.61	-2,005.43 -2.105.43	-1,352.20 -1.351.63	0.00	515,693.32 515,593.32	731,098.98 731.099.55	32°24'55.904783"N 32°24'54.915267"N	103°35'4.027788"W 103°35'4.029333"W
	13,300.00	90.00	179.67	10,771.00	7,090.00	2,197.61	-2,205.43	-1,351.06	0.00	515,493.33	731,100.12	32°24'53.925751"N	103°35'4.030877"W
	13,400.00 13,500.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	2,297.61 2,397.61	-2,305.43 -2,405.43	-1,350.50 -1,349.93	0.00	515,393.33 515,293.34	731,100.69 731,101.25	32°24'52.936235"N 32°24'51.946719"N	103°35'4.032422"W 103°35'4.033966"W
	13,600.00	90.00	179.67	10,771.00	7,090.00	2,497.61	-2,505.42	-1,349.36	0.00	515,193.34	731,101.82	32°24'50.957203"N	103°35'4.035510"W
	13,700.00 13,800.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	2,597.61 2,697.61	-2,605.42 -2,705.42	-1,348.79 -1,348.22	0.00	515,093.35 514,993.35	731,102.39 731,102.96	32°24'49.967687"N 32°24'48.978171"N	103°35'4.037055"W 103°35'4.038599"W
MP	13,854.77	90.00	179.67	10,771.00	7,090.00	2,752.38	-2,760.19	-1,347.91	0.00	514,938.59	731,103.27	32°24'48.436258"N	103°35'4.039444"W
Hold to TD	13,854.78 13,900.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	2,752.39 2,797.61	-2,760.20 -2.805.42	-1,347.91 -1.347.65	2.00 0.00	514,938.58 514,893.36	731,103.27 731,103.53	32°24'48.436126"N 32°24'47.988655"N	103°35'4.039444"W 103°35'4.040140"W
	14,000.00	90.00	179.67	10,771.00	7,090.00	2,897.61	-2,905.42	-1,347.09	0.00	514,793.36	731,104.10	32°24'46.999138"N	103°35'4.041679"W
	14,100.00 14,200.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	2,997.61 3,097.61	-3,005.42 -3,105.41	-1,346.52 -1,345.95	0.00	514,693.37 514,593.37	731,104.66 731,105.23	32°24'46.009622"N 32°24'45.020106"N	103°35'4.043217"W 103°35'4.044756"W
	14,300.00	90.00	179.67	10,771.00	7,090.00	3,197.61	-3,205.41	-1,345.38	0.00	514,493.38	731,105.80	32°24'44.030589"N	103°35'4.046294"W
	14,400.00 14,500.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	3,297.61 3,397.61	-3,305.41 -3,405.41	-1,344.81 -1,344.24	0.00	514,393.38 514,293.39	731,106.37 731,106.94	32°24'43.041073"N 32°24'42.051557"N	103°35'4.047832"W 103°35'4.049371"W
	14,600.00	90.00	179.67	10,771.00	7,090.00	3,497.61	-3,505.41	-1,343.67	0.00	514,193.39	731,107.51	32°24'41.062040"N	103°35'4.050909"W
	14,700.00 14.800.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	3,597.61 3.697.61	-3,605.41 -3,705.40	-1,343.10 -1.342.54	0.00	514,093.40 513.993.40	731,108.08 731.108.65	32°24'40.072524"N 32°24'39.083007"N	103°35'4.052447"W 103°35'4.053985"W
	14,900.00	90.00	179.67	10,771.00	7,090.00	3,797.61	-3,805.40	-1,341.97	0.00	513,893.40	731,109.21	32°24'38.093491"N	103°35'4.055523"W
	15,000.00 15,100.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	3,897.61 3,997.61	-3,905.40 -4,005.40	-1,341.40 -1,340.83	0.00	513,793.41 513,693.41	731,109.78 731,110.35	32°24'37.103974"N 32°24'36.114457"N	103°35'4.057060"W 103°35'4.058598"W
	15,200.00	90.00	179.67	10,771.00	7,090.00	4,097.61	-4,105.40	-1,340.26	0.00	513,593.42	731,110.92	32°24'35.124940"N	103°35'4.060136"W
	15,300.00 15,400.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	4,197.61 4,297.61	-4,205.40 -4,305.40	-1,339.69 -1,339.12	0.00	513,493.42 513,393.43	731,111.49 731,112.06	32°24'34.135424"N 32°24'33.145907"N	103°35'4.061674"W 103°35'4.063211"W
	15,500.00	90.00	179.67	10,771.00	7,090.00	4,397.61	-4,405.39	-1,338.55	0.00	513,293.43	731,112.63	32°24'32.156390"N	103°35'4.064749"W
	15,600.00 15,700.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	4,497.61 4,597.61	-4,505.39 -4,605.39	-1,337.99 -1,337.42	0.00	513,193.44 513,093.44	731,113.20 731,113.76	32°24'31.166873"N 32°24'30.177356"N	103°35'4.066286"W 103°35'4.067823"W
	15,800.00	90.00	179.67	10,771.00	7,090.00	4,697.61	-4,705.39	-1,336.85	0.00	512,993.45	731,114.33	32°24'29.187839"N	103°35'4.069361"W
	15,900.00 16,000.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	4,797.61 4,897.61	-4,805.39 -4,905.39	-1,336.28 -1,335.71	0.00	512,893.45 512,793.46	731,114.90 731,115.47	32°24'28.198322"N 32°24'27.208805"N	103°35'4.070898"W 103°35'4.072435"W
	16,100.00	90.00	179.67	10,771.00	7,090.00	4,997.61	-5,005.38	-1,335.14	0.00	512,693.46	731,116.04	32°24'26.219288"N	103°35'4.073972"W
	16,200.00 16,300.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	5,097.61 5.197.61	-5,105.38 -5.205.38	-1,334.57 -1.334.01	0.00	512,593.47 512,493.47	731,116.61 731.117.18	32°24'25.229771"N 32°24'24.240254"N	103°35'4.075509"W 103°35'4.077046"W
	16,400.00	90.00	179.67	10,771.00	7,090.00	5,297.61	-5,305.38	-1,333.44	0.00	512,393.48	731,117.74	32°24'23.250736"N	103°35'4.078583"W
	16,500.00 16,600.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	5,397.61 5,497.61	-5,405.38 -5,505.38	-1,332.87 -1,332.30	0.00	512,293.48 512,193.48	731,118.31 731,118.88	32°24'22.261219"N 32°24'21.271702"N	103°35'4.080120"W 103°35'4.081656"W
	16,700.00	90.00	179.67	10,771.00	7,090.00	5,597.61	-5,605.37	-1,331.73	0.00	512,093.49	731,119.45	32°24'20.282184"N	103°35'4.083193"W
	16,800.00 16,900.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	5,697.61 5,797.61	-5,705.37 -5,805.37	-1,331.16 -1,330.59	0.00	511,993.49 511,893.50	731,120.02 731,120.59	32°24'19.292667"N 32°24'18.303149"N	103°35'4.084730"W 103°35'4.086266"W
	17,000.00	90.00	179.67	10,771.00	7,090.00	5,897.61	-5,905.37	-1,330.02	0.00	511,793.50	731,121.16	32°24'17.313632"N	103°35'4.087803"W
	17,100.00 17.200.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	5,997.61 6.097.61	-6,005.37 -6.105.37	-1,329.46 -1.328.89	0.00	511,693.51 511.593.51	731,121.73 731,122.29	32°24'16.324114"N 32°24'15.334597"N	103°35'4.089339"W 103°35'4.090875"W
	17,300.00	90.00	179.67	10,771.00	7,090.00	6,197.61	-6,205.36	-1,328.32	0.00	511,493.52	731,122.86	32°24'14.345079"N	103°35'4.092411"W
	17,400.00 17,500.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	6,297.61 6,397.61	-6,305.36 -6,405.36	-1,327.75 -1,327.18	0.00	511,393.52 511,293.53	731,123.43 731,124.00	32°24'13.355561"N 32°24'12.366044"N	103°35'4.093947"W 103°35'4.095484"W
	17,600.00	90.00	179.67	10,771.00	7,090.00	6,497.61	-6,505.36	-1,326.61	0.00	511,193.53	731,124.57	32°24'11.376526"N	103°35'4.097020"W
	17,700.00 17,800.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	6,597.61 6,697.61	-6,605.36 -6,705.36	-1,326.04 -1,325.47	0.00	511,093.54 510,993.54	731,125.14 731,125.71	32°24'10.387008"N 32°24'9.397490"N	103°35'4.098555"W 103°35'4.100091"W
	17,900.00	90.00	179.67	10,771.00	7,090.00	6,797.61	-6,805.35	-1,324.91	0.00	510,893.55	731,126.28	32°24'8.407972"N	103°35'4.101627"W
	18,000.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7.090.00	6,897.61 6,997.61	-6,905.35 -7.005.35	-1,324.34 -1.323.77	0.00	510,793.55 510.693.56	731,126.84 731,127,41	32°24'7.418454"N 32°24'6.428936"N	103°35'4.103163"W 103°35'4.104698"W
	18,200.00	90.00	179.67	10,771.00	7,090.00	7,097.61	-7,105.35	-1,323.20	0.00	510,593.56	731,127.98	32°24'5.439418"N	103°35'4.106234"W
	18,300.00 18,400.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	7,197.61 7,297.61	-7,205.35 -7,305.35	-1,322.63 -1,322.06	0.00	510,493.57 510,393.57	731,128.55 731,129.12	32°24'4.449900"N 32°24'3.460382"N	103°35'4.107770"W 103°35'4.109305"W
	18,500.00	90.00	179.67	10,771.00	7,090.00	7,397.61	-7,405.35	-1,321.49	0.00	510,293.57	731,129.69	32°24'2.470864"N	103°35'4.110840"W
	18,600.00 18,700.00	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	7,497.61 7,597.61	-7,505.34 -7,605.34	-1,320.92 -1,320.36	0.00	510,193.58 510,093.58	731,130.26 731,130.83	32°24'1.481346"N 32°24'0.491828"N	103°35'4.112376"W 103°35'4.113911"W
	18,800.00	90.00	179.67	10,771.00	7,090.00	7,697.61	-7,705.34	-1,319.79	0.00	509,993.59	731,130.83	32°23'59.502309"N	103°35'4.115446"W
	18,900.00 19.000.00	90.00 90.00	179.67	10,771.00	7,090.00	7,797.61	-7,805.34	-1,319.22	0.00	509,893.59	731,131.96	32°23'58.512791"N 32°23'57.523273"N	103°35'4.116981"W 103°35'4.118516"W
LTP Cross	19,000.00 19,042.57	90.00 90.00	179.67 179.67	10,771.00 10,771.00	7,090.00 7,090.00	7,897.61 7,940.18	-7,905.34 -7,947.91	-1,318.65 -1,318.41	0.00	509,793.60 509,751.03	731,132.53 731,132.77	32°23'57.102035"N	103°35'4.119170"W
DI 4.9 Federal No. 413H BHI	19,100.00	90.00	179.67	10,771.00	7,090.00	7,997.61	-8,005.34	-1,318.08	0.00	509,693.60	731,133.10	32°23'56.533754"N	
DL 4 9 Federal No. 413H BHL	19,117.56	90.00	179.67	10,771.00	7,090.00	8,015.17	-8,022.90	-1,317.98	0.00	509,676.04	731,133.20	32°23'56.359957"N	103-354.120321 W
Survey Type:	Def	Plan											
Survey Error Model: Survey Program:	ISC	//SA0 3 sigma											
Description		Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size ((in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool	Code	Boreho	ole / Survey	

B001Mb_MWD+HRGM

DL 4 9 Federal No. 413H / DL 4 9 Federal No. 413H R0 mdv 23Jun23

	1	0.000	19,147.125	1/100.00025 - 8.75 - 6.1259.625 - 7 - 6.12	25
EOU Geometry: End MD (ft)	Hole Size (in)		Casing Siz	e (in) Nan	ne
1,059.105	17.500		13.375	5	_
4,602.825	12.250		9.625		
9,444.640	8.750		7.000		
19,117.564	6.125				

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

	OPERATOR'S NAME:	CHEVRON USA INCORPORATED
	WELL NAME & NO.:	DL 4 9 FED 413H
SU	RFACE HOLE FOOTAGE:	2538'/N & 1693'/W
B	OTTOM HOLE FOOTAGE	25'/N & 330'/W
	LOCATION:	Section 4, T.22 S., R.33 E., NMP
	COUNTY:	Lea County, New Mexico

COA

H2S	• Yes	C No	
Potash	C None	Secretary	C R-111-P
Cave/Karst Potential	• Low	C Medium	C High
Cave/Karst Potential	Critical		
Variance	C None	Itex Hose	C Other
Wellhead	Conventional	Multibowl	C Both
Wellhead Variance	C 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 **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. 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 <u>24 hours in the Potash Area</u> 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 **9-5/8** inch intermediate casing shall be set at approximately **4800 feet per BLM Geologist.** 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.
 - 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.
 - In <u>Capitan Reef 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.
 - Special Capitan Reef requirements. If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:
 - Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
 - Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-

Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

- 3. The minimum required fill of cement behind the 7 inch intermediate casing is:
 - Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash. Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
- 4. The minimum required fill of cement behind the $5 \times 4-1/2$ 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).'
- Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 13-3/8 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

(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)

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 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.

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- 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 intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

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

B. PRESSURE CONTROL

- All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to 43 CFR part 3170 Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

42:15 AM Approval Date: 01/26/2024

- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per 43 CFR part 3170 Subpart 3172.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

JS 1/17/2024

Approval Date: 01/26/2024



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 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

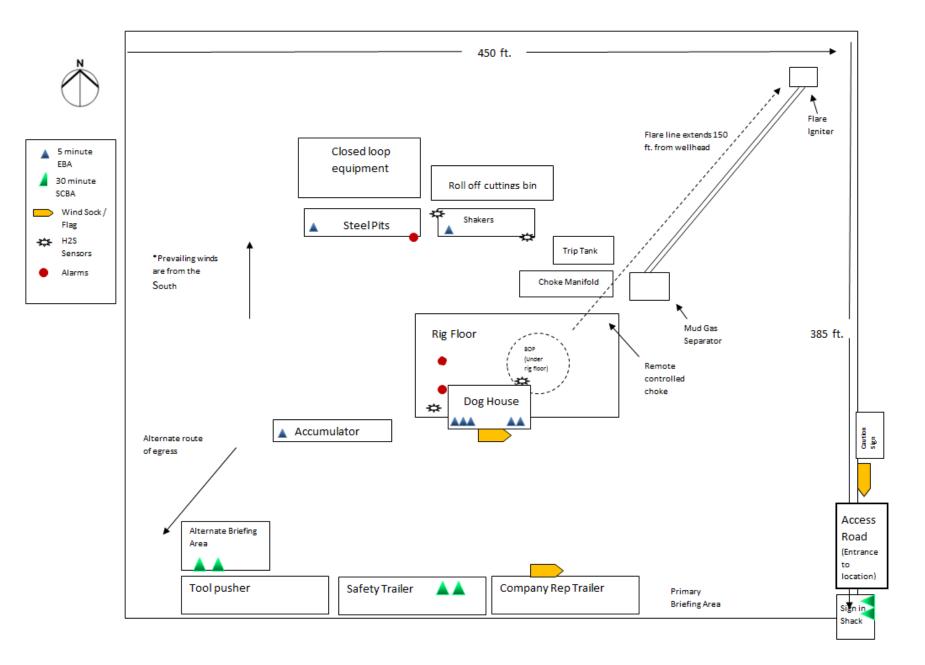


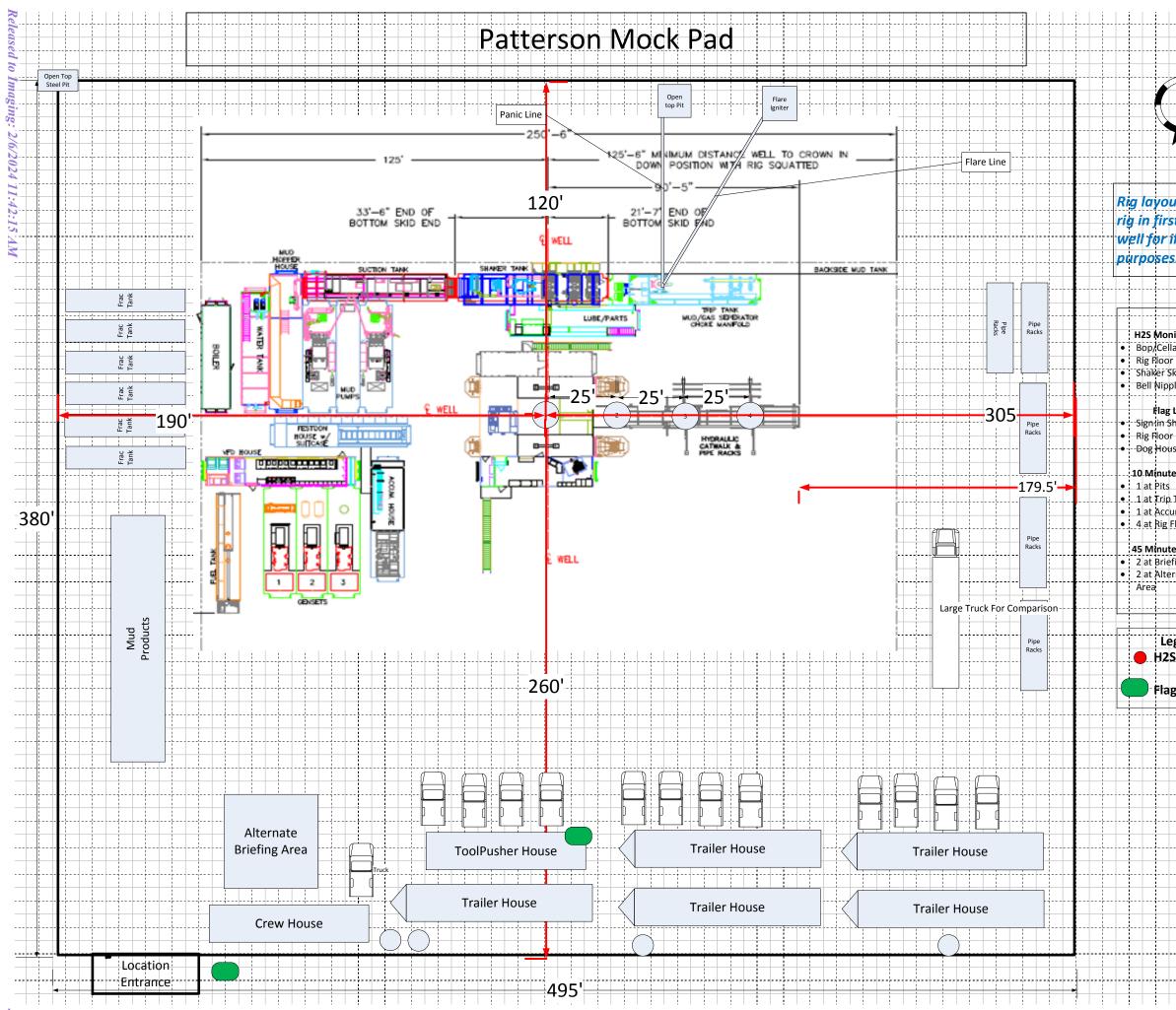
Chevron MCBU D&C Emergency Notifications

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.	TBD	Completion Engineer		







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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 the defining well for the horizontal spacing only.	

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



Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
12813147	RUSTLER	3653	1342	1347	SANDSTONE	NONE	N
12813148	SALADO	1870	1783	1798	ANHYDRITE, SALT	NONE	N
12813149	CASTILE	225	3428	3479	ANHYDRITE, SALT	NONE	N
12813150	LAMAR	-1374	5027	5114	LIMESTONE, SANDSTONE	NONE	N
12813151	BELL CANYON	-1448	5101	5190	LIMESTONE, SANDSTONE	NONE	N
12813153	CHERRY CANYON	-2167	5820	5925	SANDSTONE, SILTSTONE	NONE	N
12813154	BRUSHY CANYON	-3485	7138	7272	LIMESTONE, SANDSTONE	NONE	N
12813158	BONE SPRING LIME	-5231	8884	9026	SHALE, SILTSTONE	NONE	N
12813159	AVALON SAND	-5332	8985	9641	SHALE	NONE	N
12813160	BONE SPRING 1ST	-6327	9980	10383	SHALE	NONE	N
12813161	BONE SPRING 2ND	-6957	10610	10799	SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

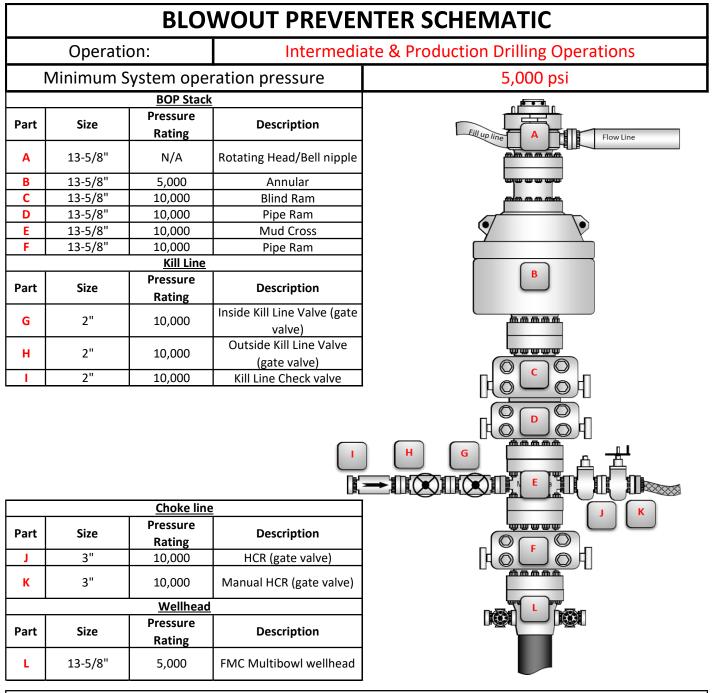
Rating Depth: 10771

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

Requesting Variance? NO

Variance request:

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



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	309800
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	2/6/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	2/6/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	2/6/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	2/6/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	2/6/2024

CONDITIONS

Action 309800