Form 3160-3 FORM APPROVED OMB No. 1004-0220 (October 2024) Expires: October 31, 2027 **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. Lease Serial No. NMNM107369 BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 6. If Indian, Allotee or Tribe Name 7. If Unit or CA Agreement, Name and No. **✓** DRILL REENTER 1a. Type of work: 1b. Type of Well: ✓ Oil Well Gas Well Other 8. Lease Name and Well No. 1c. Type of Completion: Hydraulic Fracturing ✓ Single Zone Multiple Zone WELLER 21 16 FEDERAL COM 143H 2. Name of Operator 9. API Well No. CHEVRON USA INCORPORATED 30-015-57428 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory PO BOX 1392, BAKERSFIELD, CA 93302 (661) 633-4000 HAY HOLLOW/BONE SPRING, NORTH 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T. R. M. or Blk. and Survey or Area SEC 21/T25S/R27E/NMP At surface NWSE / 1535 FSL / 2602 FEL / LAT 32.112504 / LONG -104.19496 At proposed prod. zone NENW / 20 FNL / 1870 FWL / LAT 32.137301 / LONG -104.19781 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13 State **EDDY** NM 13.4 miles 15. Distance from proposed* 16. No of acres in lease 17. Spacing Unit dedicated to this well 1535 feet location to nearest property or lease line, ft. 320.0 (Also to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. in file to nearest well, drilling, completed, 200 feet 6866 feet / 17425 feet FED: ES0022 applied for, on this lease, ft. 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 3102 feet 12/05/2025 147 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable) 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above) 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification. 6. Such other site specific information and/or plans as may be requested by the SUPO must be filed with the appropriate Forest Service Office). 25. Signature Name (Printed/Typed) Date (Electronic Submission) CAROL ADLER / Ph: (432) 687-7866 12/09/2024 Title Sr Regulatory Affairs Coordinator Approved by (Signature) Name (Printed/Typed) Date (Electronic Submission) 10/07/2025 CODY LAYTON / Ph: (575) 234-5959 Title Office Assistant Field Manager Lands & Minerals Carlsbad Field Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

APPROVED WITH CONDITIONS Released to Imaging: 11/3/2025 2:23:52 PM Approval Date: 10/07/2025

*(Instructions on page 2)

Phone: (505) 476-3441 Fax: (55) 476-3462

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

30-015-57428

Surface Owner: \square State \square Fee \square Tribal \boxtimes Federal

Township

25 SOUTH

Township

25 SOUTH

Township

25 SOUTH

Infill or Defining Well

INFILL

Pool Code - 97816

Range

Range

Range

27 EAST,

N.M.P.M.

27 EAST,

N.M.P.M.

27 EAST,

N.M.P.M.

Property Name - WELLER 21 16 FEDERAL COM

Ft. from N/S

Ft. from N/S

20' NORTH

Ft. from N/S

100' SOUTH

1535' SOUTH

Operator Name - CHEVRON U.S.A. INC.

Lot

N/A

Lot

N/A

Lot

N/A

Defining Well API-

21 16 Federal Com 274H

PENDING Weller

Santa Fe Main Office

General Information

Phone: (505) 629-6116

Online Phone Directory Visit:

API Number - PENDING

Property Code - PENDING

Section

21

Section

16

Order Numbers. PENDING

Section

21

Dedicated Acres

320

OGRID No. - 4323

UL

UL

UL

Ν

C

J

336508

C-102

Revised July 9, 2024

Submit Electronically

via OCD Permitting

☑ Initial Submittal

☐ Amended Report

Well Number - 143H

Ground Level Elevation 3102'

☐ As Drilled

Submittal

Type:

Pool Name - WC-015 G-02 S252715A; Bone Spring

	21	25 SOUTH	27 EAST, N.M.P.M.	N/A	100' SOUTH	1870' WEST	32
					Last Ta	ke Point (LTP)	
UL C	Section 16	Township 25 SOUTH	Range 27 EAST, N.M.P.M.	Lot N/A	Ft. from N/S 100' NORTH	Ft. from E/W 1870' WEST	La 32
Unitize PENDI		rea of Uniform	Interest	Spacing	Unit Type ⊠ Hor	izontal Vertical	
OPER.	ATOR CER	ΓΙΓΙCATIONS				SURVEYOR CERTI	FICA
best of i that this the land at this la unlease pooling	ny knowledge organization I including the ocation pursud d mineral inte order heretof tell is a horizo tent of at least	proposed botton ant to a contract rest, or to a volue ore entered by th ontal well, I furthe one lessee or ow	if the well is a varying interest of a hole location with an owner of a division. The certify that the certify the certification the	vertical or di or unleased or has a rig of a working greement or his organiza ng interest o	irectional well, mineral interest in ht to drill this well t interest or a compulsory tion has received r unleased	I hereby certify that the actual surveys made by to the best of my belief. See Sheet 2 of 2 for plat	me or u
mineral the well order fr	's completed i om the divisio	interval will be lo	ol Ad	10		Signature and Seal of Pr	ofessio
mineral the well	's completed i om the divisio	interval will be lo	1 -	10	lsory pooling	Signature and Seal of Pr	ofessio
mineral the well order fr	's completed i om the division re Carol	interval will be lo	ol Ad	10	lsory pooling	Signature and Seal of Proceedings of Certificate Number	ofessio

	Mineral Owner: L	State Fee	e 🗆 Iri	bai 🗵 Federai	
Surfa	ace Location				
N/S	Ft. from E/W	Latitude		Longitude	County
DUTH	2602' EAST	32.112504	4° N	104.194960° W	EDDY
Bottom	Hole Location				
N/S	Ft. from E/W	Latitude		Longitude	County
RTH	1870' WEST	32.137301	l° N	104.197810° W	EDDY
	Overlapping Spacing	g Unit (Y/N)		idation Code	
274H	YES		P		
,	Well setbacks are u	nder Commo	n Owne	rship: □Yes □No	⊠N/A
Kick O	ff Point (KOP)				
N/S	Ft. from E/W	Latitude		Longitude	County
UTH	1870' WEST	32.108523	3° N	104.197477° W	EDDY
First Ta	ke Point (FTP)				
N/S	Ft. from E/W	Latitude		Longitude	County
UTH	1870' WEST	32.108523	3° N	104.197477° W	EDDY
Last To	ke Point (LTP)				
N/S	Ft. from E/W	Latitude		Longitude	County
RTH	1870' WEST	32.137081	l° N	104.197809° W	EDDY
M Hor	izontal □ Vertical	Grou	ınd Floc	or Elevation:	
Z 1101	izontai 🗀 Verticai	3102			
	SURVEYOR CERTIF	TICATIONS			
the ell,	I hereby certify that the wactual surveys made by n		own on th	his plat was plotted fro	
rest in	to the best of my belief.	ie or under my	supervisi	LA C	is irue una corre
is well	See Sheet 2 of 2 for plat.	(SER	M	RA	
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art of g		1	\nearrow		
	X ₉ C	NX OFFE	sch	TOWN A	
—	Signature and Seal of Pro	fessional Surv	eyor	()	
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	Certificate Number	Date of Sur	vev		
—— l		Date of Sul	vCy		
	Certificate Number				
	Certificate Number		0	7/25/2024	

State of New Mexico

Department

OIL CONSERVATION DIVISION

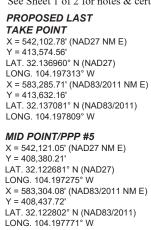
WELL LOCATION INFORMATION

Energy, Minerals & Natural Resources

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

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

See Sheet 1 of 2 for notes & certification.





LAT. 32.115525° N (NAD83/2011) LONG. 104.197621° W

PROPOSED FIRST TAKE POINT/KOP X = 542,218.67' (NAD27 NM E) Y = 403,186.16' LAT. 32.108402° N (NAD27) LONG. 104.196981° W X = 583,401.79' (NAD83/2011 NM E)

Y = 403,243.58' LAT. 32.108523° N (NAD83/2011) LONG. 104.197477° W

LONG. 104.197477° W

WELLER 21 16 FEDERAL COM NO. 143H WELL X = 542.995.94' (NAD27 NM E)

Y = 404,635.15'
LAT. 32.112382° N (NAD27)
LONG. 104.194465' W
X = 584,179.05' (NAD83/2011 NM E)
Y = 404,692.60'
LAT. 32.112504° N (NAD83/2011)

LAT. 32.112504° N (NAD83/20 LONG. 104.194960° W

PROPOSED BOTTOM **HOLE LOCATION** X = 542,102.50' (NAD27 NM E) Y = 413,654.56' LAT. 32.137180° N (NAD27) LONG. 104.197314° W X = 583,285.43' (NAD83/2011 NM E) Y = 413 712 16' LAT. 32.137301° N (NAD83/2011) LONG. 104.197810° W PPP #4 X = 542,145.93' (NAD27 NM E) Y = 407,056.73LAT. 32.119042° N (NAD27) LONG. 104.197200° W X = 583,328.97' (NAD83/2011 NM E) Y = 407.114.21 LAT. 32.119163° N (NAD83/2011) LONG. 104.197696° W X = 542,195.67' (NAD27 NM E) Y = 404 409 71 LAT. 32.111765° N (NAD27) LONG. 104.197050° W X = 583,378.77' (NAD83/2011 NM E) Y = 404.467.15LAT. 32.111887° N (NAD83/2011) LONG. 104.197546° W **PPP #1** X = 542,881.22' (NAD27 NM E) Y = 404.421.30'LAT. 32.111795° N (NAD27) LONG, 104,194836° W X = 584.064.34' (NAD83/2011 NM E Y = 404.478.74LAT. 32.111916° N (NAD83/2011) LONG. 104.195332° W

R 27 E Sec. 9 Sec. 8 Sec. 10 **PROPOSED BOTTOM HOLE** LOCATION 1870 D **PROPOSED LAST TAKE POINT** 100' FNL 1870' FWL <u>8</u> V-7320 VB-1865 Sec. 16 12' 05" W Sec. 15 Sec. 17 Τ 25 Mid Point/ PPP # 5 S 0' FSL, 1870' FWL Н G NMNM-PPP #4 107369 1324' FNL. 1870' FWL 97 94 Sec. 20 Wyman l≥ Jr., et al VB-0673 PPP #3 36 2647' FNL-Sec. 21 14 1870' FWL Sec. 22 Ĭδ SURFACE LOCATION NMNM-PPP #2 769 107369 1324' FSL-2602 1870' FWL **PROPOSED** PPP #1 **FIRST TAKE VB-673** 1535 1323' FSI POINT/KOP 2556' FWL 100' FSL 1870' FWL S 28° 12' 37" W 1,644.29' Sec. 27 Sec. 29 Sec. 28

NMNM-

92167

CORNER COORDINATES TABLE (NAD 27)

(NAD 21)
A- X= 540232.49, Y= 413654.70
B- X= 541554.29, Y= 413668.74
C - X= 542876.08, Y= 413682.78
D - X= 545519.67, Y= 413710.86
E - X= 540251.14, Y= 408353.74
G - X= 541574.37, Y= 408372.47
G - X= 542897.61, Y= 408428.67
H - X= 545544.09, Y= 408428.67
I - X= 540350.85, Y= 403053.05
J - X= 542984.01, Y= 403099.71
K - X= 544301.74, Y= 403122.93
L - X= 545619.46, Y= 403146.16

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462

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

General Information

Phone: (505) 629-6116

C-102

Revised July 9, 2024

Submit Electronically

via OCD Permitting

☐ Amended Report

☐ As Drilled

Submittal

Type:

					WELL LOCAT	TION INFORMATIO	N		
API N	umber - PEN	NDING 5-57428	Pool Code	- 30216	P	ool Name - HAY HAL	LLOW;BONE SPRING	, NORTH	
Proper	ty Code - PI 33650	ENDING	Property N	ame - WE	LLER 21 16 FEDE	RAL COM	Well Numb	er - 143H	
OGRII	D No 4323		Operator Name - CHEVRON U.S.A. II			INC. Ground Level Eleva 3102'			
Surface	e Owner: 🗆	State Fee	☐ Tribal 🛛 F	ederal		Mineral Owner:	☐ State ☐ Fee ☐ Triba	al 🛛 Federal	
					Surfa	ce Location			
UL J	Section 21	Township 25 SOUTH	Range 27 EAST, N.M.P.M.	Lot N/A	Ft. from N/S 1535' SOUTH	Ft. from E/W 2602' EAST	Latitude 32.112504° N	Longitude 104.194960° W	County EDDY
					Bottom	Hole Location			
UL C	Section 16	Township 25 SOUTH	Range 27 EAST, N.M.P.M.	Lot N/A	Ft. from N/S 20' NORTH	Ft. from E/W 1870' WEST	Latitude 32.137301° N	Longitude 104.197810° W	County EDDY
	ated Acres 320	Infill or Defi	-	PENDIN	Well API- G Weller deral Com 274H	Overlapping Spacing YES	g Unit (Y/N) Consolid P	lation Code	
Order 1	Numbers. Pl	ENDING		121 10 Fee	uciai Coiil 2/4H	Well setbacks are u	ınder Common Owners	ship: □Yes □No	⊠N/A
					Kiak O				
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
N	21	25 SOUTH	27 EAST, N.M.P.M.	N/A	100' SOUTH	1870' WEST	32.108523° N	104.197477° W	EDDY
						ke Point (FTP)			
UL N	Section 21	Township 25 SOUTH	Range 27 EAST, N.M.P.M.	Lot N/A	Ft. from N/S 100' SOUTH	Ft. from E/W 1870' WEST	Latitude 32.108523° N	Longitude 104.197477° W	County EDDY
				ļ	Last Ta	ke Point (LTP)			
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
С	16	25 SOUTH	27 EAST, N.M.P.M.	N/A	100' NORTH	1870' WEST	32.137081° N	104.197809° W	EDDY
Unitize PENDI		rea of Uniform	Interest	Spacing	Unit Type ⊠ Hori	zontal Vertical	Ground Floor 3102'	Elevation:	
					İ		•		
OPER.	ATOR CER	TIFICATIONS	\$			SURVEYOR CERTIF	FICATIONS		
best of a that this the land at this l unlease pooling If this w	my knowledge s organization d including the ocation pursu d mineral inte s order heretoj vell is a horizo	e proposed botton ant to a contract crest, or to a volu fore entered by th ontal well, I furth	if the well is a vorking interest on hole location with an owner ntary pooling a division.	vertical or dor unleased or has a rigo of a working greement of this organization of the control	lirectional well, mineral interest in th to drill this well g interest or r a compulsory ttion has received		well location shown on this me or under my supervision ME, L.	ASTRACTION	
mineral the well order fr	l interest in ea l's completed i rom the divisio	interval will be lo	arget pool or for	rmation) in ned a compi	which any part of	Signature and Seal of Pro		SURVE	
Signatu	10		Date			orginature and sear or PTC	oressional Surveyor	V	
Printed	Name	Carol Adler				Certificate Number	Date of Survey		
	caroladle	er@chevron	.com				07	/25/2024	

State of New Mexico

Department

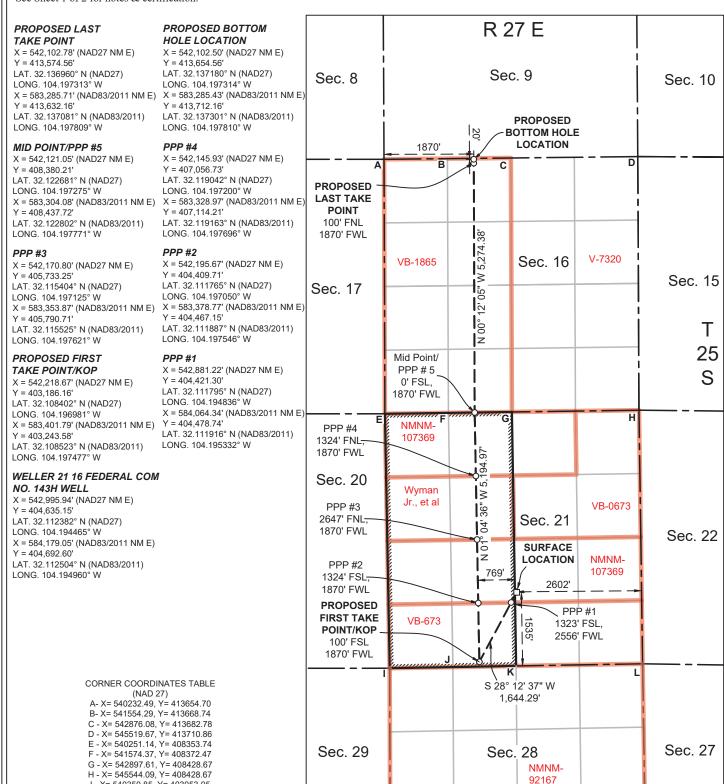
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

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See Sheet 1 of 2 for notes & certification.



I - X= 540350.85, Y= 403053.05 J - X= 542984.01, Y= 403099.71 K - X= 544301.74, Y= 403122.93 L - X= 545619.46, Y= 403146.16

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator:Chevi	ron USA, Inc		OGRID: _	4323	Da	nte: <u>10</u> /_31/_ <u>2024</u> _
II. Type: ⊠ Original [☐ Amendmei	nt due to □ 19.15.27.9.	D(6)(a) NMA	C □ 19.15.27.9.D	(6)(b) NMAC □	Other.
If Other, please describe	e:					
III. Well(s): Provide the be recompleted from a s					wells proposed to	be drilled or proposed t
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
WELLER 21 16 FEDERAL COM 142H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2622' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 143H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2602' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 144H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2562' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 145H	Pending	UL:J T25S R27E SECTION 21	1533' FSL, 2502' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 238H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2582' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 239H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2542' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 240H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2522' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
IV. Central Delivery P	oint Name:	SECTION 22 C	TB, T25S-R27	'E	[See 19.15	.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached	Completion	Initial Flow	First Production
			Date	Commencement Date	Back Date	Date
WELLER 21 16 FEDERAL COM 142H	Pending	4/29/2025	N/A	N/A	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 143H	Pending	4/29/2025	N/A	N/A	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 144H	Pending	4/29/2025	N/A	N/A	<u>N/A</u>	N.A

WELLER 21 16 FEDERAL COM 145H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 238H	Pending	4/29/2025	N/A	N/A	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 239H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 240H	Pending	4/29/2025	N/A	<u>N/A</u>	N/A	N/A

VI. Separation Equipment:

Attach a complete description of how Operator will size separation equipment to optimize gas capture.

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

VIII. Best Management Practices:

☐ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

XIII. Line Pressure. Operator 🗌 does 🗀 do	es not anticipate that its existing well	(s) connected to the same segment	, or portion, of the
natural gas gathering system(s) described abo	ove will continue to meet anticipated	ncreases in line pressure caused by	the new well(s).

	lan to manage prod		

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 informatio
for which confidentiality is asserted and the basis for such assertion.

(i)

Section 3 - Certifications Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: 🖂 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) power generation for grid; (b) compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

Section 4 - Notices

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

other alternative beneficial uses approved by the division.

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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

Signature:
Printed Name: Carol Adler
Title:Sr. Regulatory Affairs Coordinator
E-mail Address:caroladler@chevron.com
Date:10/31/2024
Phone: (432) 687-7148
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.

Waste Minimization Plan

- 1. NMOCD Gas Management Plan
- 2. Operational & Best Management Practices
- 3. Production Curves, Enverus Prism

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

1. Operator:Cnevr	on USA, Inc		OGKID: _	4323	Da	ite: <u>10</u> / 31/ <u>2024</u>
II. Type: ⊠ Original [☐ Amendment	t due to 19.15.27.9.1	D(6)(a) NMA	C □ 19.15.27.9.D	(6)(b) NMAC □	Other.
If Other, please describe	»:					
III. Well(s): Provide the be recompleted from a s					wells proposed to	be drilled or proposed to
Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
WELLER 21 16 FEDERAL COM 142H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2622' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 143H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2602' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 144H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2562' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 145H	Pending	UL:J T25S R27E SECTION 21	1533' FSL, 2502' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 238H	Pending	UL:J T25S R27E SECTION 21	1535' FSL, 2582' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 239H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2542' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
WELLER 21 16 FEDERAL COM 240H	Pending	UL:J T25S R27E SECTION 21	1534' FSL, 2522' FEL	1060 BBL/D	3656 MCF/D	1184 BBL/D
IV. Central Delivery P	oint Name: _	SECTION 22 C	ГВ, T25S-R27	E	[See 19.15	.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached	Completion	Initial Flow	First Production
			Date	Commencement Date	Back Date	Date
WELLER 21 16 FEDERAL COM 142H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 143H	Pending	4/29/2025	N/A	<u>N/A</u>	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 144H	Pending	4/29/2025	N/A	<u>N/A</u>	<u>N/A</u>	N.A

WELLER 21 16 FEDERAL COM 145H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
WELLER 21 16 FEDERAL COM 238H	Pending	4/29/2025	<u>N/A</u>	N/A	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 239H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	N/A
WELLER 21 16 FEDERAL COM 240H	Pending	4/29/2025	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

VI. Separation Equipment:

Attach a complete description of how Operator will size separation equipment to optimize gas capture.

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	Available Maximum Daily Capacity
			Start Date	of System Segment Tie-in

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

XII. Line Capacity. The natural gas gathering system	ı 🗆 will 🗆 will not have	e capacity to gather !	100% of the anticipated	l natural gas
production volume from the well prior to the date of fi	rst production.			

XIII. Line Pressure. Operator 🗆 do	color colo	s existing well(s) connected to	the same segment,	or portion, c	of the
natural gas gathering system(s) desc	ribed above will continue to mee	et anticipated increases in line	pressure caused by	the new wel	ll(s).

	lan to manage prod		

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 informatio
for which confidentiality is asserted and the basis for such assertion.

(i)

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

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal: 🖂 Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or ☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. If Operator checks this box, Operator will select one of the following: Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or Venting and Flaring Plan.

Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including: power generation on lease; (a) power generation for grid; (b) compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

Section 4 - Notices

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

other alternative beneficial uses approved by the division.

- (a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or
- (b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.
- 2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

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

Signature: Carol Adlsr
Printed Name: Carol Adler
Title:Sr. Regulatory Affairs Coordinator
E-mail Address:caroladler@chevron.com
Date:10/31/2024
Phone: (432) 687-7148
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.

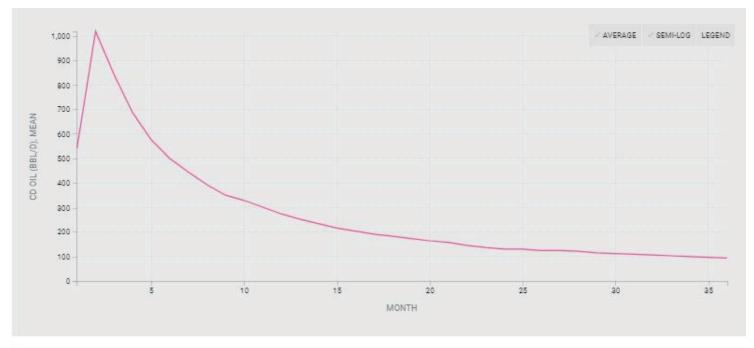
Eddy County NM Bone Spring Average Production per Well

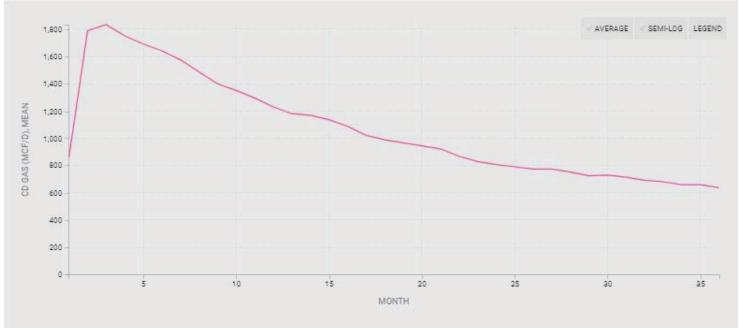
Data source: Publicly available from Enverus Prism (June 2024)

• Number of wells: N = 642

• Data Range: 2016+

Production History: 36 months





Chevron U.S.A. Inc. Waste Minimization Plan

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

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

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

Choke Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20241205090352.pdf

BOP Diagram Attachment:

BLM_5M_Intermediate_BOP_and_Choke_Manifold_NEW_20241205090411.pdf

Digital BOP Testing RV2 20241205090419.pdf

1.03___WH___NM_Slim_Hole_DM100312151_20241205090431.pdf

MultiBowl_Wellhead_Specs_20241205090440.pdf

Choke_and_Flex_Hose_COC_7660103_20241205090507.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	450	0	450	3102	2652	450	J-55	54.5	BUTT	5.43	3.95	BUOY	37.0 6	BUOY	34.7 8
2	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	2121	0	2085	3102	1017	2121	L-80	40	BUTT	3.07	2.82	BUOY	11.3 6	BUOY	10.9 9
3	INTERMED IATE	8.75	7.0	NEW	API	N	0	6415	0	6167	3102	-3065	6415	P- 110		OTHER - BLUE-SD	2.51	4.32	BUOY	5.19	BUOY	5.19
4	PRODUCTI ON	6.12 5	5.0	NEW	API	N	6215	6865	5967	6567	-2865	-3465		P- 110	_	OTHER - W513	1.93	4.12	BUOY	3.12	BUOY	4.91
5	PRODUCTI ON	6.12 5	4.5	NEW	API	N	6865	17425	6567	6868	-3465	-3766	10560	P- 110		OTHER - W521	1.93	4.12	BUOY	3.12	BUOY	4.91

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

Casing A	Attachments
----------	-------------

Casing ID: 1 String SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

13.375in_BTC_54.5ppf_J55_20241209085911.pdf

Casing ID: 2

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625in_BTC_40ppf_L80_20241209085714.pdf

Casing ID: 3

String

INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7in_Blue_SD_29ppf_P110_20241209085802.pdf

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

Casing Attachments

Casing ID: 4

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

5in_18ppf_TSH_W513_box_x_4.5in_11.6ppf_TSH_W521_pin__Stewart_Tubular_May_13__2021__20241209085953.p

Casing ID: 5

String

PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

4.5in_Wedge_521_11.6ppf_P110_20241209085846.pdf

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	0	0	0	0	0	0	CLASS C	Extender, Antifoam, Retarder, Viscosifier
SURFACE	Tail		0	450	240	1.63	13.6	25	391	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	1121	204	2.29	11.5	467	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Tail		1121	2121	263	1.63	12.6	429	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
INTERMEDIATE	Lead		0	5415	271	3.52	10.5	955	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

String Type	Lead/Tail	Stage Tool Depth	Тор МD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
INTERMEDIATE	Tail		5415	6415	124	1.52	12.6	188	25		Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		6215	1742 5	868	1.52	12.6	1320	25		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 43 CFR 3172:

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

Describe what will be on location to control well or mitigate other conditions: A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate. If an open reserve pit is not approved by OCD, a closed system will be used consisting of above ground steel tanks and all wastes accumulated during drilling operations will be contained in a portable trash cage and removed from location and deposited in an approved sanitary landfill. If an open reserve pit is in place, pit construction, operation, and closure will follow all applicable rules and regulation. Sanitary wastes will be contained in a chemical porta-toilet and then hauled to an approved sanitary landfill. All fluids and cuttings will be disposed of in accordance with New Mexico Oil Conservation Division rules and regulations. And transporting of E&P waste will follow EPA regulations and accompanying manifests.

Describe the mud monitoring system utilized: A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH. Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume. When abnormal pressures are anticipated -- a pit volume totalizer (PVT), stroke counter, and flow sensor will be used to detect volume changes indicating loss or gain of circulating fluid volume.

Circulating Medium Table

O Top Depth	Bottom Depth	Mud Type SPUD MUD	လ္က လ် Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	Н	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
450	2121	SALT SATURATED	8.3	10.6							Saturated brine would be used through salt sections.

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

Lop Depth	Bottom Depth	edd Lybe Wnd Lybe OTHER: WBM/ BRINE	دن ن Min Weight (lbs/gal)	.0 Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	Hd	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
6415	1742 5	OIL-BASED MUD	8.5	11.5							Due to wellbore instability in the lateral, may exceed the MW window needed to maintain overburden stresses

Section 6 - Test, Logging, Coring

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

A. PRODUCTION TESTS ARE NOT PLANNED

B. LOGS RUN INCLUDE: GAMMA RAY; DIRECTIONAL DRILLING; NEUTRON LOG*

*Neutron log will be run on one well per pad as per APD COA requirements

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

DIRECTIONAL SURVEY, GAMMA RAY LOG,

Coring operation description for the well:

C. CORING OPERATIONS ARE NOT PLANNED

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4107 Anticipated Surface Pressure: 2596

Anticipated Bottom Hole Temperature(F): 120

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

CHEVRON_STANDARD_H2S_CONTIGINGENCY_PLAN_2024_20241205092533.pdf

Well Name: WELLER 21 16 FEDERAL COM Well Number: 143H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

WELLER_21_16_FEDERAL_COM_143H___9_Point_20250331100112.pdf DefPlan100ft_Weller2116FederalComNo.143H_R1_20250331100133.pdf

Other proposed operations facets description:

- A. Batch drilling will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.
- B. Shallow rig may be utilized to drill surface or intermediate sections. The production section will not be drilled by the shallow rig.
- C. Wait on cement duration for surface and intermediate string(s) will be based on time for tail slurry to develop 500 psi compressive strength and will follow rules as laid out in Onshore Order 2
- D. Offline cementing will be employed on the hole sections that run a long string casing to surface. Offline cementing schematic below.

Other proposed operations facets attachment:

CUSA Spudder Rig Data 20241205092931.pdf

Closed_Loop_layout_20241205092907.pdf

HHNM_PAD_68___WELLER_21_16_FEDERAL_COM___Gas_Management_Plan_20241205092754.pdf

Operational_Best_Management_Practices_20241205092846.pdf

Visio_Patterson_Mock_Pad_v.2_20241205092923.pdf

WASTE_MINIMIZATION_PLAN___WELLER_21_16_FEDERAL_COM___HHNM_PAD_68_20241205092737.pdf

Offline_Cementing_Schematic_20250331102116.pdf

Other Variance request(s)?:

Other Variance attachment:







Report Date:
Client:
Field:
Structure / Slot:
Well:
Borehole:
UBH/ APIE:
Survey Name:
Survey Date:
Tor/ AHD / DD/ IERD Ratio:
Coordinate Reference System:
Location Laf Llong:
Location Laf Llong:
Location Control Control
Grid Convergence Angle:
Grid Scale Factor:
Version / Patch:

February 28, 2025 - 09:09 PM (UTC 0)
Chevron
NNE Eddy County (NAD 27 EZ)
Chevron HNM Bed9 (Weller) / 143H
Weller 21 16 Federal Com No. 143H
Weller 21 16 Federal Com No. 143H
Unknown / Unknown
Weller 21 16 Federal Com No. 143H
Unknown / Unknown
Weller 21 16 Federal Com No. 143H
Revenue / 125 February 28, 2025
February 28, 2025
125.606 * / 1210 09 74 ft / 8.58 / 1.769
NAD27 New Medico State Plane, Eastern Zone, US Feet
32°64 45'57'97. No. 141*1140 07325'97
N 404635.150 ft.US , E 542995.940 ft.US
0.074*
0.99901121(Applied)
2024.5.0.1 February 28, 2025 - 09:09 PM (UTC 0)

 Def Plan

 Survey / DLS Computation:
 Minimum Curvature

 Vertical Section Azimuth:
 359.360 *(GRID No

 Vertical Section Origin:
 0.000 ft, 0.000 ft.

 TVD Reference Datum:
 TKR

 TVD Reference Elevation:
 3130.000 ft above in

 Seabed / Ground Elevation:
 3102.000 ft above in

 Total Gravity Fled Strength:
 6882*

 Cravity Model:
 GARM

 Total Magnetic Field Strength:
 47174.297 nT

 Magnetic Dip Angle:
 59.000*

 Declination Date:
 6600*

 Magnetic Declination Model:
 HDCM 2024

 North Reference
 Grid Convergence Used:
 0.074*

 Total Corr Mag North>Crial North:
 6.808*

 Local Coord Referenced To:
 Well Head
 Minimum Curvature / Lubinski 359.360 "(GRID North) 0.000 ft, 0.000 ft RKB 3130.000 ft above MSL 3102.000 ft above MSL 6.682" 998.4495mgn (9.80665 Based) GARM

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	198.25	0.00	-3,130.00	0.00	0.00	0.00		404,635.15	542,995.94	32.11238216	-104.19446479
	100.00 200.00	0.00	204.55 204.55	100.00 200.00	-3,030.00 -2.930.00	0.00	0.00	0.00	0.00	404,635.15 404.635.15	542,995.94 542.995.94	32.11238216 32.11238216	-104.19446479 -104.19446479
	300.00	0.00	204.55	300.00	-2,830.00	0.00	0.00	0.00	0.00	404,635.15	542,995.94	32.11238216	-104.19446479
	400.00 500.00	0.00	204.55 204.55	400.00 500.00	-2,730.00 -2.630.00	0.00	0.00	0.00	0.00 0.00	404,635.15 404.635.15	542,995.94 542.995.94	32.11238216 32.11238216	-104.19446479 -104.19446479
Castile (CSTL)	508.45	0.00	204.55	508.45	-2,621.55	0.00	0.00	0.00	0.00	404,635.15	542,995.94	32.11238216	-104.19446479
Build 1.5°/100ft	600.00 700.00	0.00 1.50	204.55 204.55	600.00 699.99	-2,530.00 -2,430.01	0.00 -1.18	0.00 -1.19	0.00 -0.54	0.00 1.50	404,635.15 404,633.96	542,995.94 542,995.40	32.11238216 32.11237889	-104.19446479 -104.19446655
	800.00	3.00	204.55	799.91	-2,330.09	-4.74	-4.76	-2.18	1.50	404,630.39	542,993.77	32.11236908	-104.19447183
	900.00 1,000.00	4.50 6.00	204.55 204.55	899.69 999.27	-2,230.31 -2,130.73	-10.66 -18.93	-10.71 -19.03	-4.89 -8.69	1.50 1.50	404,624.44 404,616.12	542,991.05 542,987.25	32.11235274 32.11232988	-104.19448064 -104.19449295
	1,100.00	7.50	204.55	1,098.57	-2,031.43	-29.57	-29.72	-13.58	1.50	404,605.43	542,982.36	32.11230051	-104.19450876
	1,200.00 1,300.00	9.00 10.50	204.55 204.55	1,197.54 1,296.09	-1,932.46 -1,833.91	-42.55 -57.88	-42.78 -58.18	-19.54 -26.58	1.50 1.50	404,592.38 404,576.98	542,976.40 542,969.37	32.11226465 32.11222234	-104.19452807 -104.19455086
	1,400.00 1,500.00	12.00 13.50	204.55 204.55	1,394.16 1,491.70	-1,735.84 -1.638.30	-75.53 -95.50	-75.92 -96.00	-34.68 -43.85	1.50 1.50	404,559.23 404.539.16	542,961.26 542,952.09	32.11217359 32.11211844	-104.19457711 -104.19460681
	1,600.00	15.00	204.55	1,588.62	-1,541.38	-117.78	-118.39	-54.08	1.50	404,516.77	542,941.87	32.11205693	-104.19463993
	1,700.00 1,800.00	16.50 18.00	204.55 204.55	1,684.86 1.780.36	-1,445.14 -1.349.64	-142.34 -169.17	-143.08 -170.05	-65.36 -77.68	1.50 1.50	404,492.09 404.465.12	542,930.59 542,918.27	32.11198911 32.11191501	-104.19467646 -104.19471636
Hold	1,806.74	18.10	204.55	1,786.77	-1,343.23	-171.06	-171.95	-78.55	1.50	404,463.22	542,917.40	32.11190979	-104.19471917
	1,900.00 2,000.00	18.10 18.10	204.55 204.55	1,875.41 1,970.46	-1,254.59 -1,159.54	-197.28 -225.39	-198.30 -226.56	-90.59 -103.49	0.00 0.00	404,436.86 404,408.61	542,905.36 542,892.45	32.11183739 32.11175975	-104.19475816 -104.19479997
	2,100.00	18.10	204.55	2,065.51	-1,064.49	-253.51	-254.83	-116.40	0.00	404,380.35	542,879.55	32.11168212	-104.19484178
Lamar (LMAR) Bell Canyon (BLCN)	2,141.13 2,198.05	18.10 18.10	204.55 204.55	2,104.61 2,158.71	-1,025.39 -971.29	-265.07 -281.08	-266.45 -282.53	-121.71 -129.06	0.00 0.00	404,368.72 404,352.64	542,874.24 542,866.89	32.11165018 32.11160599	-104.19485897 -104.19488277
	2,200.00	18.10	204.55	2,160.56	-969.44	-281.62	-283.09	-129.31	0.00	404,352.09	542,866.64	32.11160448	-104.19488358
	2,300.00 2,400.00	18.10 18.10	204.55 204.55	2,255.61 2,350.67	-874.39 -779.33	-309.74 -337.85	-311.35 -339.61	-142.22 -155.13	0.00 0.00	404,323.83 404,295.57	542,853.73 542,840.82	32.11152684 32.11144921	-104.19492539 -104.19496720
	2,500.00 2,600.00	18.10 18.10	204.55 204.55	2,445.72 2.540.77	-684.28 -589.23	-365.97 -394.08	-367.87 -396.13	-168.04 -180.95	0.00	404,267.32 404,239.06	542,827.91 542.815.01	32.11137157 32.11129393	-104.19500901 -104.19505081
	2,700.00	18.10	204.55	2,635.82	-494.18	-394.08 -422.20	-396.13 -424.39	-193.86	0.00	404,239.06	542,802.10	32.11129393	-104.19509262
	2,800.00 2,900.00	18.10 18.10	204.55 204.55	2,730.87 2,825.92	-399.13 -304.08	-450.31 -478.43	-452.65 -480.91	-206.77 -219.68	0.00 0.00	404,182.54 404,154.28	542,789.19 542,776.28	32.11113866 32.11106102	-104.19513443 -104.19517624
	3,000.00	18.10	204.55	2,920.97	-209.03	-506.54	-509.17	-232.59	0.00	404,126.03	542,763.37	32.11100102	-104.19521804
Cherry Canyon (CRCN)	3,038.29 3,100.00	18.10 18.10	204.55 204.55	2,957.37 3,016.02	-172.63 -113.98	-517.31 -534.65	-519.99 -537.43	-237.53 -245.50	0.00	404,115.21 404,097.77	542,758.43 542,750.46	32.11095366 32.11090575	-104.19523405 -104.19525985
	3,200.00	18.10	204.55	3,111.07	-18.93	-562.77	-565.69	-258.41	0.00	404,069.51	542,737.56	32.11082811	-104.19530166
	3,300.00 3,400.00	18.10 18.10	204.55 204.55	3,206.12 3,301.18	76.12 171.18	-590.88 -619.00	-593.95 -622.21	-271.32 -284.23	0.00 0.00	404,041.25 404,012.99	542,724.65 542,711.74	32.11075047 32.11067284	-104.19534346 -104.19538527
	3,500.00	18.10	204.55	3,396.23	266.23	-647.11	-650.47	-297.14	0.00	403,984.74	542,698.83	32.11059520	-104.19542708
	3,600.00 3,700.00	18.10 18.10	204.55 204.55	3,491.28 3,586.33	361.28 456.33	-675.23 -703.34	-678.73 -706.99	-310.04 -322.95	0.00	403,956.48 403,928.22	542,685.92 542,673.02	32.11051756 32.11043993	-104.19546889 -104.19551069
	3,800.00	18.10	204.55	3,681.38	551.38	-731.46	-735.25	-335.86	0.00	403,899.96	542,660.11	32.11036229	-104.19555250
	3,900.00 4,000.00	18.10 18.10	204.55 204.55	3,776.43 3,871.48	646.43 741.48	-759.57 -787.69	-763.51 -791.78	-348.77 -361.68	0.00	403,871.70 403,843.45	542,647.20 542,634.29	32.11028465 32.11020702	-104.19559431 -104.19563611
	4,100.00	18.10	204.55	3,966.53	836.53	-815.80	-820.04	-374.59	0.00	403,815.19	542,621.38	32.11012938	-104.19567792
Brushy Canyon (BCN)	4,173.74 4,200.00	18.10 18.10	204.55 204.55	4,036.62 4,061.58	906.62 931.58	-836.53 -843.92	-840.87 -848.30	-384.11 -387.50	0.00 0.00	403,794.35 403,786.93	542,611.86 542,608.47	32.11007213 32.11005174	-104.19570875 -104.19571973
	4,300.00	18.10	204.55	4,156.63	1,026.63	-872.03	-876.56	-400.41	0.00	403,758.67	542,595.57	32.10997411	-104.19576153
	4,400.00 4,500.00	18.10 18.10	204.55 204.55	4,251.69 4,346.74	1,121.69 1,216.74	-900.14 -928.26	-904.82 -933.08	-413.32 -426.23	0.00 0.00	403,730.41 403,702.16	542,582.66 542,569.75	32.10989647 32.10981883	-104.19580334 -104.19584514
	4,600.00 4,700.00	18.10 18.10	204.55 204.55	4,441.79 4,536.84	1,311.79 1,406.84	-956.37 -984.49	-961.34 -989.60	-439.14 -452.05	0.00 0.00	403,673.90 403,645.64	542,556.84 542,543.93	32.10974120 32.10966356	-104.19588695 -104.19592876
	4,800.00	18.10	204.55	4,631.89	1,501.89	-1,012.60	-1,017.86	-464.96	0.00	403,617.38	542,531.02	32.10958592	-104.19597056
	4,900.00 5,000.00	18.10 18.10	204.55 204.55	4,726.94 4.821.99	1,596.94 1,691.99	-1,040.72 -1,068.83	-1,046.12 -1,074.38	-477.87 -490.78	0.00	403,589.12 403,560.87	542,518.12 542,505.21	32.10950828 32.10943065	-104.19601237 -104.19605417
	5,100.00	18.10	204.55	4,917.04	1,787.04	-1,096.95	-1,102.64	-503.69	0.00	403,532.61	542,492.30	32.10935301	-104.19609598
	5,200.00 5,300.00	18.10 18.10	204.55 204.55	5,012.09 5.107.14	1,882.09 1,977.14	-1,125.06 -1,153.18	-1,130.90 -1,159.16	-516.59 -529.50	0.00	403,504.35 403,476.09	542,479.39 542.466.48	32.10927537 32.10919774	-104.19613779 -104.19617959
	5,400.00	18.10	204.55	5,202.20	2,072.20	-1,181.29	-1,187.42	-542.41	0.00	403,447.83	542,453.58	32.10912010	-104.19622140
	5,500.00 5,600.00	18.10 18.10	204.55 204.55	5,297.25 5,392.30	2,167.25 2,262.30	-1,209.40 -1,237.52	-1,215.68 -1,243.94	-555.32 -568.23	0.00 0.00	403,419.58 403,391.32	542,440.67 542,427.76	32.10904246 32.10896482	-104.19626320 -104.19630501
	5,700.00	18.10	204.55	5,487.35	2,357.35	-1,265.63	-1,272.20	-581.14	0.00	403,363.06	542,414.85	32.10888719	-104.19634681
	5,800.00 5,900.00	18.10 18.10	204.55 204.55	5,582.40 5,677.45	2,452.40 2,547.45	-1,293.75 -1,321.86	-1,300.47 -1,328.73	-594.05 -606.96	0.00 0.00	403,334.80 403,306.54	542,401.94 542,389.03	32.10880955 32.10873191	-104.19638862 -104.19643042
Bone Spring Lime (BSGL) Avalon Upper (AVU)	5,914.66 5,987.85	18.10 18.10	204.55 204.55	5,691.38 5,760.95	2,561.38 2,630.95	-1,325.98 -1,346.56	-1,332.87 -1,353.55	-608.85 -618.30	0.00	403,302.40 403,281.72	542,387.14 542,377.69	32.10872053 32.10866371	-104.19643655 -104.19646715
Avaiori Opper (AVO)	6,000.00	18.10	204.55	5,772.50	2,642.50	-1,349.98	-1,356.99	-619.87	0.00	403,278.29	542,376.13	32.10865428	-104.19647223
	6,100.00 6,200.00	18.10 18.10	204.55 204.55	5,867.55 5.962.60	2,737.55 2.832.60	-1,378.09 -1,406.21	-1,385.25 -1,413.51	-632.78 -645.69	0.00 0.00	403,250.03 403,221.77	542,363.22 542,350.31	32.10857664 32.10849900	-104.19651403 -104.19655584
	6,300.00	18.10	204.55	6,057.65	2,927.65	-1,434.32	-1,441.77	-658.60	0.00	403,193.51	542,337.40	32.10842136	-104.19659764
Build/Turn 10°/100ft	6,400.00 6.415.07	18.10 18.10	204.55 204.55	6,152.70 6,167.03	3,022.70 3,037.03	-1,462.44 -1.466.67	-1,470.03 -1,474.29	-671.51 -673.45	0.00	403,165.25 403,160.99	542,324.49 542,322.55	32.10834373 32.10833202	-104.19663945 -104.19664575
Avalon Lower (AVL)	6,436.55	16.21	208.02	6,187.55	3,057.55	-1,472.32	-1,479.97	-676.25	10.00	403,155.31	542,319.75	32.10831642	-104.19665480
	6,500.00 6,600.00	11.17 8.35	224.65 284.42	6,249.20 6,347.98	3,119.20 3,217.98	-1,484.43 -1,489.38	-1,492.18 -1,497.27	-684.74 -698.62	10.00 10.00	403,143.11 403,138.01	542,311.26 542,297.38	32.10828289 32.10826893	-104.19668227 -104.19672712
	6,700.00	14.61	326.02	6,446.08	3,316.08	-1,476.92	-1,484.98	-712.74	10.00	403,150.31	542,283.26	32.10830278	-104.19677267
FTP Cross	6,800.00 6,818.65	23.57 25.33	339.97 341.50	6,540.53 6,557.51	3,410.53 3,427.51	-1,447.45 -1,440.14	-1,455.66 -1,448.37	-726.67 -729.22	10.00 10.00	403,179.62 403,186.91	542,269.33 542,266.79	32.10838342 32.10840346	-104.19681754 -104.19682572
First Bone Spring Upper (FBU)	6,819.89 6,900.00	25.44 33.11	341.60 346.37	6,558.63 6.628.46	3,428.63 3.498.46	-1,439.63 -1,401.86	-1,447.87 -1,410.21	-729.38 -739.99	10.00 10.00	403,187.42 403.225.07	542,266.62 542,256.02	32.10840485 32.10850839	-104.19682626 -104.19686036
	7,000.00	42.85	350.12	6,707.20	3,577.20	-1,341.53	-1,350.02	-752.29	10.00	403,285.26	542,243.72	32.10867390	-104.19689984
First Bone Spring Lower (FBL)	7,072.75 7,100.00	49.98 52.66	352.08 352.70	6,757.32 6,774.35	3,627.32 3.644.35	-1,289.41 -1,268.29	-1,297.99 -1,276.90	-760.39 -763.20	10.00 10.00	403,337.28 403,358.37	542,235.62 542,232.81	32.10881694 32.10887492	-104.19692577 -104.19693477
	7,200.00	62.53	354.68	6,827.88	3,697.88	-1,184.38	-1,193.08	-772.39	10.00	403,442.18	542,223.62	32.10910534	-104.19696410
	7,300.00 7.400.00	72.41 82.31	356.33 357.80	6,866.15 6,888.02	3,736.15 3,758.02	-1,092.34 -994.97	-1,101.12 -1.003.79	-779.57 -784.54	10.00 10.00	403,534.13 403,631.45	542,216.44 542.211.47	32.10935817	-104.19698693 -104.19700257
Landing Point	7,479.24	90.15	358.92	6,893.22	3,763.22	-915.97	-924.82	-786.80	10.00	403,710.42	542,209.22	32.10984280	-104.19700953
	7,500.00 7,600.00	90.15 90.15	358.92 358.92	6,893.17 6,892.91	3,763.17 3,762.91	-895.21 -795.22	-904.06 -804.08	-787.19 -789.07	0.00 0.00	403,731.17 403,831.14	542,208.83 542,206.94		-104.19701071 -104.19701638
	7,700.00	90.15	358.92	6,892.64	3,762.64	-695.22	-704.10	-790.96	0.00	403,931.12	542,205.06	32.11044952	-104.19702206
	7,800.00 7,900.00	90.15 90.15	358.92 358.92	6,892.38 6,892.12	3,762.38 3,762.12	-595.22 -495.23	-604.12 -504.13	-792.84 -794.73	0.00 0.00	404,031.09 404,131.06	542,203.17 542,201.29	32.11099919	-104.19702774 -104.19703342
	8,000.00	90.15	358.92	6,891.86	3,761.86	-395.23	-404.15	-796.61	0.00	404,231.03	542,199.40	32.11127403	-104.19703910
	8,100.00 8,200.00	90.15 90.15	358.92 358.92	6,891.59 6,891.33	3,761.59 3,761.33	-295.23 -195.24	-304.17 -204.19	-798.50 -800.38	0.00 0.00	404,331.01 404,430.98	542,197.52 542,195.63		-104.19704478 -104.19705046
	8,300.00 8,400.00	90.15 90.15	358.92 358.92	6,891.07 6.890.81	3,761.07 3,760.81	-95.24 4.76	-104.21 -4.23	-802.27 -804.15	0.00	404,530.95 404.630.93	542,193.75 542.191.86	32.11209854	-104.19705614 -104.19706181
PPP1	8,482.24	90.15	358.92	6,890.59	3,760.59	86.99	78.00	-805.70	0.00	404,713.14	542,190.31	32.11259940	-104.19706648
	8,500.00	90.15	358.92	6,890.54	3,760.54	104.75	95.76	-806.03	0.00	404,730.90	542,189.98		-104.19706749
	8,600.00 8,700.00	90.15 90.15	358.92 358.91	6,890.28 6,890.02	3,760.28 3,760.02	204.75 304.75	195.74 295.72	-807.92 -809.82	0.00 0.00	404,830.87 404,930.84	542,188.09 542,186.20		-104.19707318 -104.19707889
	8,800.00 8,900.00	90.15 90.15	358.91 358.91	6,889.75 6.889.49	3,759.75 3,759.49	404.74 504.74	395.70 495.68	-811.72 -813.62	0.00	405,030.82	542,184.30 542,182,39	32.11347271	-104.19708462 -104.19709036
	9,000.00	90.15	358.90	6,889.23	3,759.23	604.74	595.66	-815.53	0.00	405,130.79 405,230.76	542,180.48	32.11402238	-104.19709612
	9,100.00 9,200.00	90.15 90.15	358.90 358.90	6,888.96 6,888.70	3,758.96 3,758.70	704.73 804.73	695.65 795.63	-817.45 -819.37	0.00 0.00	405,330.73 405,430.71	542,178.57 542,176.65		-104.19710190 -104.19710770
	3,200.00	30.13	330.30	0,000.70	3,730.70	004.73	100.00	-010.01	0.00	400,400.71	342,110.00	52.11451200	.54.10/10/70

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	9,300.00 9,400.00	90.15 90.15	358.89 358.89	6,888.44 6.888.17	3,758.44 3,758.17	904.73 1.004.72	895.61 995.59	-821.29 -823.23	0.00 0.00	405,530.68 405.630.65	542,174.72 542,172.79	32.11484688 32.11512171	-104.19711351 -104.19711934
	9,500.00	90.15	358.89	6,887.91	3,757.91	1,104.72	1,095.57	-825.16	0.00	405,730.62	542,170.85	32.11539655	-104.19712519
PPP2	9,502.63 9.600.00	90.15 90.15	358.89 358.89	6,887.90 6.887.64	3,757.90 3,757.64	1,107.35 1,204.72	1,098.20 1.195.55	-825.21 -827.10	0.00 0.01	405,733.25 405.830.59	542,170.80 542.168.92	32.11540377 32.11567138	-104.19712534 -104.19713103
	9,700.00	90.15	358.90	6,887.38	3,757.38	1,304.71	1,295.53	-829.03	0.01	405,930.56	542,166.99	32.11594621	-104.19713685
	9,800.00	90.15	358.90	6,887.11	3,757.11	1,404.71	1,395.51	-830.94	0.01	406,030.54	542,165.07	32.11622105	-104.19714263
	9,900.00 10.000.00	90.15 90.15	358.91 358.91	6,886.85 6.886.58	3,756.85 3,756.58	1,504.70 1.604.70	1,495.50 1.595.48	-832.85 -834.75	0.01 0.01	406,130.51 406,230.48	542,163.16 542.161.27	32.11649588 32.11677072	-104.19714839 -104.19715411
	10,100.00	90.15	358.92	6,886.32	3,756.32	1,704.70	1,695.46	-836.64	0.01	406,330.45	542,159.38	32.11704555	-104.19715980
	10,200.00 10.300.00	90.15 90.15	358.93 358.93	6,886.05 6.885.78	3,756.05 3,755.78	1,804.69 1.904.69	1,795.44 1.895.42	-838.52 -840.39	0.01 0.01	406,430.43 406,530.40	542,157.50 542,155.63	32.11732039 32.11759522	-104.19716547 -104.19717110
	10,400.00	90.15	358.94	6,885.52	3,755.52	2,004.69	1,995.40	-842.25	0.01	406,630.37	542,153.76	32.11787006	-104.19717671
	10,500.00	90.15	358.94	6,885.25 6.884.98	3,755.25	2,104.69	2,095.39	-844.10 -845.95	0.01	406,730.35	542,151.91	32.11814490	-104.19718228 -104.19718783
	10,600.00 10.700.00	90.15 90.15	358.95 358.95	6.884.72	3,754.98 3,754.72	2,204.68 2.304.68	2,195.37 2.295.35	-845.95 -847.78	0.01 0.01	406,830.32 406,930.29	542,150.07 542,148.24	32.11841973 32.11869457	-104.19719334
	10,800.00	90.15	358.96	6,884.45	3,754.45	2,404.68	2,395.34	-849.61	0.01	407,030.27	542,146.41	32.11896941	-104.19719883
PPP3	10,826.47 10.900.00	90.15 90.15	358.96 358.95	6,884.38 6.884.18	3,754.38 3,754.18	2,431.14 2.504.67	2,421.80 2.495.32	-850.09 -851.43	0.01 0.01	407,056.73 407.130.24	542,145.93 542.144.59	32.11904215 32.11924425	-104.19720027 -104.19720430
	11,000.00	90.15	358.95	6,883.92	3,753.92	2,604.67	2,595.30	-853.26	0.01	407,230.22	542,142.76	32.11951908	-104.19720980
	11,100.00	90.15	358.94	6,883.65	3,753.65	2,704.67	2,695.28	-855.09	0.01	407,330.19	542,140.92	32.11979392	-104.19721533
	11,200.00 11.300.00	90.15 90.15	358.94 358.93	6,883.39 6.883.12	3,753.39 3,753.12	2,804.66 2.904.66	2,795.27 2.895.25	-856.94 -858.80	0.01 0.01	407,430.16 407,530.14	542,139.08 542,137.22	32.12006876 32.12034359	-104.19722089 -104.19722648
	11,400.00	90.15	358.93	6,882.86	3,752.86	3,004.66	2,995.23	-860.67	0.01	407,630.11	542,135.35	32.12061843	-104.19723210
	11,500.00 11.600.00	90.15 90.15	358.92 358.92	6,882.60 6.882.33	3,752.60 3,752.33	3,104.66 3.204.65	3,095.21 3.195.20	-862.54 -864.43	0.01 0.01	407,730.08 407.830.06	542,133.48 542.131.59	32.12089327 32.12116810	-104.19723775 -104.19724343
	11,700.00	90.15	358.91	6,882.07	3,752.07	3,304.65	3,295.18	-866.32	0.01	407,930.03	542,129.70	32.12110810	-104.19724914
	11,800.00	90.15	358.91	6,881.81	3,751.81	3,404.65	3,395.16	-868.23	0.01	408,030.00	542,127.79	32.12171777	-104.19725488
	11,900.00 12.000.00	90.15 90.15	358.90 358.90	6,881.55 6.881.29	3,751.55 3,751.29	3,504.64 3.604.64	3,495.14 3.595.12	-870.14 -872.06	0.01 0.01	408,129.97 408.229.95	542,125.88 542,123.96	32.12199260 32.12226744	-104.19726066 -104.19726646
	12,100.00	90.15	358.89	6,881.03	3,751.03	3,704.63	3,695.10	-873.99	0.01	408,329.92	542,122.03	32.12254227	-104.19727229
MP/PPP4, Turn 2°/100ft	12,150.31	90.15	358.89	6,880.90	3,750.90	3,754.94	3,745.40	-874.97	0.01	408,380.21	542,121.05	32.12268053	-104.19727524
Hold to TD	12,196.07 12,200.00	90.16 90.16	359.80 359.80	6,880.78 6,880.76	3,750.78 3,750.76	3,800.70 3,804.63	3,791.15 3,795.09	-875.49 -875.51	2.00 0.00	408,425.96 408,429.89	542,120.53 542,120.51	32.12280630 32.12281712	-104.19727674 -104.19727677
	12,300.00	90.16	359.80	6,880.48	3,750.48	3,904.63	3,895.09	-875.85	0.00	408,529.88	542,120.17	32.12309199	-104.19727747
	12,400.00 12.500.00	90.16 90.16	359.80 359.80	6,880.19 6.879.90	3,750.19 3,749.90	4,004.63 4.104.62	3,995.09 4.095.09	-876.20 -876.54	0.00	408,629.87 408,729.86	542,119.82 542.119.48	32.12336687	-104.19727818 -104.19727889
	12,600.00	90.16	359.80	6,879.62	3,749.62	4,204.62	4,195.09	-876.89	0.00	408,829.85	542,119.13	32.12391662	-104.19727959
	12,700.00	90.16	359.80	6,879.33	3,749.33	4,304.61	4,295.08	-877.23	0.00	408,929.84	542,118.79	32.12419150	-104.19728030
	12,800.00 12.900.00	90.16 90.16	359.80 359.80	6,879.04 6.878.76	3,749.04 3,748.76	4,404.61 4.504.61	4,395.08 4.495.08	-877.57 -877.92	0.00	409,029.83 409.129.82	542,118.44 542.118.10	32.12446638 32.12474125	-104.19728100 -104.19728171
	13,000.00	90.16	359.80	6,878.47	3,748.47	4,604.60	4,595.08	-878.26	0.00	409,229.81	542,117.76	32.12501613	-104.19728241
	13,100.00 13.200.00	90.16 90.16	359.80 359.80	6,878.18 6.877.90	3,748.18 3,747.90	4,704.60 4.804.60	4,695.08 4.795.08	-878.61 -878.95	0.00	409,329.80 409.429.79	542,117.41 542.117.07	32.12529101 32.12556588	-104.19728312 -104.19728383
	13,200.00	90.16	359.80	6.877.61	3,747.61	4,804.60	4,795.08	-879.30	0.00	409,429.79	542,117.07	32.12584076	-104.19728453
	13,400.00	90.16	359.80	6,877.32	3,747.32	5,004.59	4,995.08	-879.64	0.00	409,629.77	542,116.38	32.12611564	-104.19728524
	13,500.00 13.600.00	90.16 90.16	359.80 359.80	6,877.04 6.876.75	3,747.04 3,746.75	5,104.59 5.204.58	5,095.08 5.195.08	-879.99 -880.33	0.00	409,729.76 409.829.75	542,116.03 542.115.69	32.12639051 32.12666539	-104.19728594 -104.19728665
	13,700.00	90.16	359.80	6,876.46	3,746.46	5,304.58	5,295.07	-880.68	0.00	409,929.74	542,115.34	32.12694027	-104.19728735
	13,800.00	90.16	359.80	6,876.18	3,746.18	5,404.58	5,395.07	-881.02	0.00	410,029.73	542,115.00	32.12721514	-104.19728806
	13,900.00 14,000.00	90.16 90.16	359.80 359.80	6,875.89 6.875.60	3,745.89 3.745.60	5,504.57 5.604.57	5,495.07 5.595.07	-881.37 -881.71	0.00	410,129.72 410,229.71	542,114.65 542.114.31	32.12749002	-104.19728877 -104.19728947
	14,100.00	90.16	359.80	6,875.32	3,745.32	5,704.57	5,695.07	-882.06	0.00	410,329.70	542,113.96	32.12803977	-104.19729018
	14,200.00 14.300.00	90.16 90.16	359.80 359.80	6,875.03 6,874.74	3,745.03 3,744.74	5,804.56 5.904.56	5,795.07 5.895.07	-882.40 -882.75	0.00	410,429.69 410.529.68	542,113.62 542.113.27	32.12831465 32.12858952	-104.19729088 -104.19729159
	14,400.00	90.16	359.80	6,874.46	3,744.46	6,004.56	5,995.07	-883.09	0.00	410,629.67	542,112.93	32.12886440	-104.19729230
	14,500.00	90.16	359.80	6,874.17	3,744.17	6,104.55	6,095.07	-883.44	0.00	410,729.66	542,112.58	32.12913928	-104.19729300
	14,600.00 14.700.00	90.16 90.16	359.80 359.80	6,873.88 6.873.59	3,743.88 3,743.59	6,204.55 6.304.55	6,195.07 6.295.06	-883.78 -884.13	0.00	410,829.65 410,929.64	542,112.24 542.111.89	32.12941415 32.12968903	-104.19729371 -104.19729441
	14,800.00	90.16	359.80	6,873.31	3,743.31	6,404.54	6,395.06	-884.47	0.00	411,029.63	542,111.55	32.12996391	-104.19729512
	14,900.00 15.000.00	90.16 90.16	359.80 359.80	6,873.02 6.872.73	3,743.02 3,742.73	6,504.54 6.604.54	6,495.06 6.595.06	-884.81 -885.16	0.00	411,129.62 411.229.61	542,111.21 542.110.86	32.13023878 32.13051366	-104.19729582 -104.19729653
	15,100.00	90.16	359.80	6,872.45	3,742.45	6.704.53	6,595.06	-885.50	0.00	411,329.60	542,110.86	32.13051306	-104.19729724
	15,200.00	90.16	359.80	6,872.16	3,742.16	6,804.53	6,795.06	-885.85	0.00	411,429.59	542,110.17	32.13106341	-104.19729794
	15,300.00 15.400.00	90.16 90.16	359.80 359.80	6,871.87 6.871.59	3,741.87 3.741.59	6,904.53 7.004.52	6,895.06 6.995.06	-886.19 -886.54	0.00	411,529.58 411.629.57	542,109.83 542,109.48	32.13133829 32.13161316	-104.19729865 -104.19729935
	15,500.00	90.16	359.80	6,871.30	3,741.30	7,104.52	7,095.06	-886.88	0.00	411,729.56	542,109.14	32.13188804	-104.19730006
	15,600.00	90.16	359.80	6,871.01	3,741.01	7,204.52	7,195.06	-887.23	0.00	411,829.55	542,108.79	32.13216292	-104.19730076
	15,700.00 15.800.00	90.16 90.16	359.80 359.80	6,870.73 6.870.44	3,740.73 3,740.44	7,304.51 7.404.51	7,295.05 7.395.05	-887.57 -887.92	0.00	411,929.54 412.029.53	542,108.45 542.108.10	32.13243779 32.13271267	-104.19730147 -104.19730218
	15,900.00	90.16	359.80	6,870.15	3,740.15	7,504.51	7,495.05	-888.26	0.00	412,129.52	542,107.76	32.13298755	-104.19730288
	16,000.00 16.100.00	90.16 90.16	359.80 359.80	6,869.87 6.869.58	3,739.87 3,739.58	7,604.50 7.704.50	7,595.05 7.695.05	-888.61 -888.95	0.00	412,229.51 412,329.50	542,107.41 542.107.07	32.13326242 32.13353730	-104.19730359 -104.19730429
	16,200.00	90.16	359.80	6,869.29	3,739.29	7,804.50	7,795.05	-889.30	0.00	412,429.49	542,106.72	32.13381217	-104.19730500
	16,300.00	90.16	359.80	6,869.01	3,739.01	7,904.49	7,895.05	-889.64	0.00	412,529.48	542,106.38	32.13408705	-104.19730570
	16,400.00 16,500.00	90.16 90.16	359.80 359.80	6,868.72 6,868.43	3,738.72 3,738.43	8,004.49 8,104.49	7,995.05 8,095.05	-889.99 -890.33	0.00	412,629.47 412,729.46	542,106.03 542,105.69	32.13436193 32.13463680	-104.19730641 -104.19730712
	16,600.00	90.16	359.80	6,868.15	3,738.15	8,204.48	8,195.05	-890.68	0.00	412,829.45	542,105.34	32.13491168	-104.19730782
	16,700.00 16.800.00	90.16 90.16	359.80 359.80	6,867.86 6.867.57	3,737.86 3.737.57	8,304.48 8.404.48	8,295.04 8,395.04	-891.02 -891.37	0.00	412,929.44 413.029.43	542,105.00 542.104.66	32.13518656 32.13546143	-104.19730853 -104.19730923
	16,900.00	90.16	359.80	6,867.29	3,737.29	8,504.47	8,495.04	-891.71	0.00	413,129.42	542,104.31	32.13573631	-104.19730994
	17,000.00	90.16	359.80	6,867.00	3,737.00	8,604.47	8,595.04	-892.06	0.00	413,229.41	542,103.97	32.13601118 32.13628606	-104.19731065
	17,100.00 17.200.00	90.16 90.16	359.80 359.80	6,866.71 6.866.43	3,736.71 3,736.43	8,704.47 8.804.46	8,695.04 8,795.04	-892.40 -892.74	0.00	413,329.40 413.429.39	542,103.62 542.103.28	32.13628606 32.13656094	-104.19731135 -104.19731206
	17,300.00	90.16	359.80	6,866.14	3,736.14	8,904.46	8,895.04	-893.09	0.00	413,529.38	542,102.93	32.13683581	-104.19731276
TP Cross	17,345.17 17.400.00	90.16 90.16	359.80 359.80	6,866.01 6.865.85	3,736.01 3,735.85	8,949.63 9.004.46	8,940.21 8.995.04	-893.25 -893.43	0.00	413,574.55 413.629.37	542,102.78 542.102.59	32.13695997 32.13711069	-104.19731308 -104.19731347
Weller 21 16 Federal Com No. 143H BHL	17,400.00	90.16	359.80	6,865.78	3,735.85	9,004.46	9,020.23	-893.43 -893.52	0.00	413,629.37	542,102.59 542,102.50		-104.19731347 -104.19731365
Survey Type:	Def												
Survey Error Model: Survey Program:	WP	TS Rev 0.	MD From	MD To	EOU Freq	Hole Size	Casing Diameter	Expected Max	_				
Description		Part	(ft)	(ft)	(ft)	(in)	(in)	Inclination (deg)	Survey Tool Co	de	Vendor	/ Tool	Borehole / Survey
		1	0.000	18,481.237	1/100.000	-	-	ВО	001Mb_MWD+HRGM				Weller 21 16 Federal Com No.
A default hole/casing size was used for A/C ca	alculation because th	ne wellbore size is	not defined corr	ectly.									
nd MD (ft)		Hole Size (in)	Casing Siz	e (in)		Name						

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: CHEVRON USA INCORPORATED
WELL NAME & NO.: WELLER 21 16 FEDERAL COM 143H
LOCATION: Section 21, T.25 S., R.27 E., NMP
COUNTY: Eddy County, New Mexico

 \mathbf{COA}

H2S	Yes	○ No	
Potash	None	© Secretary	○ R-111-P
Cave/Karst Potential	ℂ Low	© Medium	• High
Cave/Karst Potential	Critical		
Variance	None	© Flex Hose	Other
Wellhead	Conventional	• Multibowl	© Both
Wellhead Variance	© Diverter		
Other	□ 4 String	☐ Capitan Reef	□WIPP
Other	Fluid Filled	☐ Pilot Hole	Open Annulus
Cementing	☐ Contingency	☐ 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 450 (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be 16 inch or 17.5 inch in diameter.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall

- be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
 Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
 - ❖ In <u>High Cave/Karst 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 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:

the lead cement slurry due to cave/karst or potash.

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

C. PRESSURE CONTROL

- 1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
- 2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 13-3/8 inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in Onshore Order 1 and 2.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

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

• BOPE Break Testing is ONLY permitted for 5M BOPE or less. (Annular preventer

must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)

- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

Contact the BLM prior to the commencement of any offline cementing procedure.

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
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43** CFR **3172** as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

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

- hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in 43 CFR 3172.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure

- rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

JS 5/14/2025



Training

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

Awareness Level

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

- 1. Physical and chemical properties of H₂S
- 2. Health hazards of H₂S
- 3. Personal protective equipment
- 4. Information regarding potential sources of H₂S
- 5. Alarms and emergency evacuation procedures

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

Advanced Level H₂S Training

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

- 1. H₂S safe work practice procedures.
- 2. Emergency contingency plan procedures.
- 3. Methods to detect the presence or release of H₂S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H₂S equipment.
- 4. Basic overview of respiratory protective equipment suitable for use in H₂S environments.
 - a. Note: Employees who work at sites that participate in the Chevron Respirator User program will require separate respirator training as required by the MCBU Respiratory Protection Program.
- 5. Basic overview of emergency rescue techniques, first aid, CPR and medical evaluation procedures. Employees who may be required to perform "standby" duties are required to receive additional first aid and CPR training, which is not covered in the Advanced Level H₂S training.
- 6. Proficiency examination covering all course material.

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



H₂S Training Certification

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

Briefing Area

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

H₂S Equipment

Respiratory Protection

- a) Six 30-minute SCBAs 2 at each briefing area and 2 in the Safety Trailer.
- b) Eight 5-minute EBAs 5 in the dog house at the rig floor, 1 at the accumulator, 1 at the shale shakers and 1 at the mud pits.

Visual Warning System

- a) One color code sign, displaying all possible conditions, will be placed at the entrance to the location with a flag displaying the current condition.
- b) Two windsocks will be on location, one on the doghouse and one on the Drill Site Manager's Trailer.

H₂S Detection and Monitoring System

- a) H₂S monitoring system (sensor head, warning light and siren) placed throughout rig.
 - Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
 - Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.



Well Control Equipment

- a) Flare Line 150' from wellhead with igniter.
- b) Choke manifold with a remotely operated choke.
- c) Mud/gas separator

Mud Program

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

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

Public Safety - Emergency Assistance

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

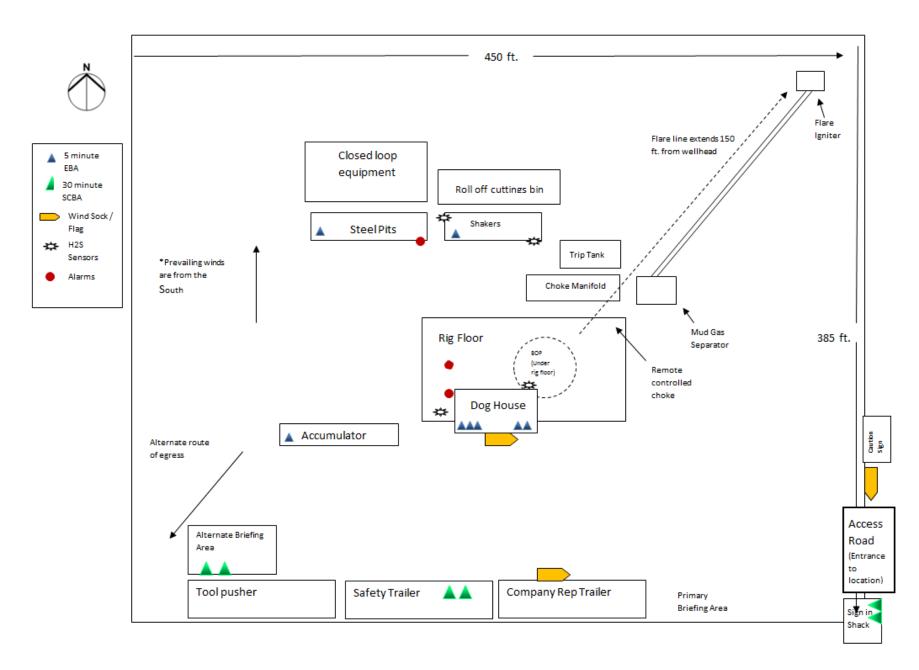


Chevron MCBU D&C Emergency Notifications

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

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







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Briefing Area

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- 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.
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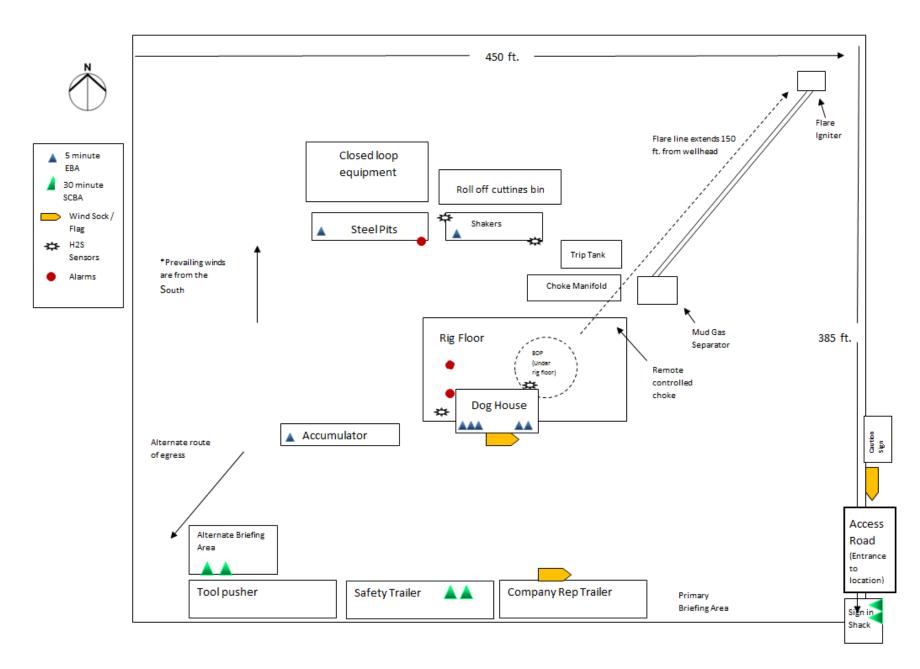


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6.	Jay Gagneaux	Operations Manager	(713) 306-1082	
7.	TBD	Wells HSE		
8.	TBD	Completion Engineer		







APD ID: 10400102479

Well Type: OIL WELL

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

Drilling Plan Data Report

BUREAU OF LAND MANAGEMENT

Submission Date: 12/09/2024

Highlighted data reflects the most recent changes

Operator Name: CHEVRON USA INCORPORATED

Well Number: 143H

Well Name: WELLER 21 16 FEDERAL COM

Well Work Type: Drill

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
16548637	RUSTLER	3102	28	28	SANDSTONE	NONE	N
16548638	TOP OF SALT	3074	28	28	ANHYDRITE, SALT	NONE	N
16548639	BASE OF SALT	2594	508	508	ANHYDRITE, SALT	NONE	N
16548640	LAMAR	997	2105	2141	LIMESTONE, SHALE	NONE	N
16548641	BELL CANYON	943	2159	2198	LIMESTONE, SANDSTONE	NONE	N
16548642	CHERRY CANYON	145	2957	3038	SANDSTONE, SILTSTONE	NONE	N
16548643	BRUSHY CANYON	-935	4037	4174	LIMESTONE, SANDSTONE	NONE	N
16548644	BONE SPRING LIME	-2589	5691	5915	SHALE, SILTSTONE	NONE	N
16548645	AVALON SAND	-2659	5761	6437	SHALE	NATURAL GAS, OIL	N
16548646	BONE SPRING 1ST	-3457	6559	7073	SANDSTONE, SHALE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M Rating Depth: 6868

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

Requesting Variance? YES

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

BLOWOUT PREVENTER SCHEMATIC

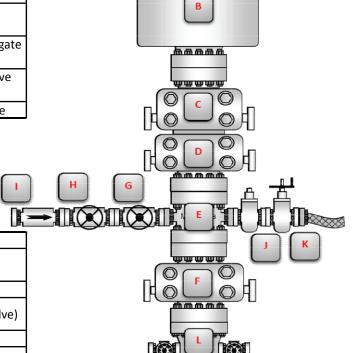
Operation: Intermediate(s)

Minimum System operation pressure

5,000 psi

Flow Line

BOP Stack					
Part	Size	Pressure Rating	Description		
Α	13-5/8"	N/A	Rotating Head/Bell nipple		
В	13-5/8"	5,000	Annular		
С	13-5/8"	5,000	Blind Ram		
D	13-5/8"	5,000	Pipe Ram		
E	13-5/8"	5,000	Mud Cross		
F	13-5/8"	5,000	Pipe Ram		
		<u>Kill Line</u>			
Part Size		Pressure	Description		
rait	3126	Rating	Description		
G	2"	5,000	Inside Kill Line Valve (gat		
ŭ		3,000	valve)		
н	2"	5,000	Outside Kill Line Valve		
		3,000	(gate valve)		
- 1	2"	5,000	Kill Line Check valve		



Pressure Part Size Description Rating 3" 5,000 HCR (gate valve) Κ 3" 5,000 Manual HCR (gate valve) Wellhead **Pressure Part** Size Description Rating 13-5/8" 5,000 FMC 5M/10M wellhead

Choke line

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

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

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

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

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

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

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

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

General Information Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 514842

ACKNOWLEDGMENTS

Operator:	OGRID:
CHEVRON U S A INC	4323
6301 Deauville Blvd	Action Number:
Midland, TX 79706	514842
	Action Type:
	[C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 514842

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CONDITIONS

Created By	Condition	Condition Date
carol adler	Cement is required to circulate on both surface and intermediate1 strings of casing.	10/13/2025
carol adler	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	10/13/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	11/3/2025
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	11/3/2025
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	11/3/2025
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	11/3/2025