Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: NMNM118722

6. If Indian, Allotee or Tribe Name:

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☑ Other INJ-DIS

1c. Type of Completion: ☐ Hydraulic Fracturing ☑ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.:

8. Lease Name and Well No.: PAPA SQUIRREL SWD 1

2. Name of Operator: CHEVRON USA INCORPORATED

9. API Well No.: **30-025-53387**

3a. Address: P O BOX 1635, HOUSTON, TX 77251

3b. Phone No. *(include area code)*: (661) 654-7256

10. Field and Pool, or Exploratory: SWD/DELAWARE

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

At surface: NWSW / 1928 FSL / 870 FWL / LAT 32.040937 / LONG -103.634196

At proposed prod. zone: NWSW / 1928 FSL / 870 FWL / LAT 32.040937 / LONG -103.634196

11. Sec., T. R. M. or Blk. and Survey or Area: SEC 13/T26S/R32E/NMP

14. Distance in miles and direction from nearest town or post office*: 37 miles

12. County or Parish: LEA

13. State: NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 870 feet

16. No of acres in lease:

17. Spacing Unit dedicated to this well: 40.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: 100 feet

19. Proposed Depth: 7285 feet / 7285 feet

20. BLM/BIA Bond No. in file: FED:

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 3204 feet

22. Approximate date work will start*: 11/01/2023

23. Estimated duration: 180 days

24. Attachments

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

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

25. Signature: (Electronic Submission)

Name *(Printed/Typed)*: CAROL ADLER / Ph: (432) 687-7866

Date: 07/13/2022

Title: Sr Regulatory Affairs Coordinator

Approved by *(Signature)*: (Electronic Submission)

Name *(Printed/Typed)*: CODY LAYTON / Ph: (575) 234-5959

Date: 05/07/2024

Title: Assistant Field Manager Lands & Minerals

Office: 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

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 05/07/2024

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
	96100	SWD; DELAWARE

[4] Property Code	[5] Property Name	[6] Well Number
336205	PAPA SQUIRREL SWD	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	3204'

[10] Surface Location

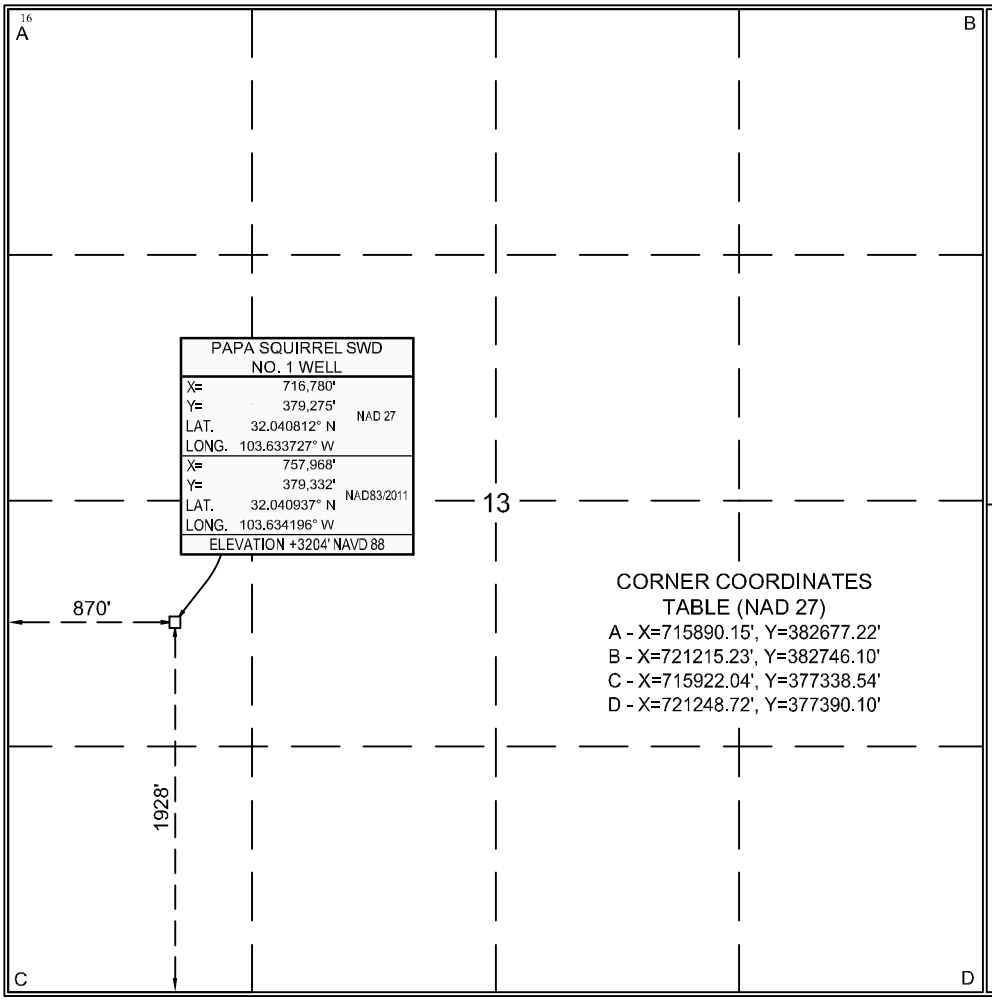
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	13	26 SOUTH	32 EAST, N.M.P.M.		1928'	SOUTH	870'	WEST	LEA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	13	26 SOUTH	32 EAST, N.M.P.M.		1928'	SOUTH	870'	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
~~X~~			R-23087

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



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Cindy Herrera-Murillo 07/11/2022
Signature Date

Cindy Herrera-Murillo
Printed Name

eeof@chevron.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

01/25/2022
Date of Survey

Signature and Seal of Professional Surveyor:

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR
04/06/2022

Certificate Number

Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

BLM_Choke_Hose_Test_Specs_and_Pressure_Test_Continental_20220705104205.pdf

BOP Diagram Attachment:

BLM_5M_Choke_Manifold_Diagram_20220705104222.pdf

BLM_5M_Annular_10M_Rams_Stackup_and_Test_Plan_20220705104253.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	12.25	9.625	NEW	API	N	0	885	0	885	3204	2319	885	L-80	40	BUTT	11.56	1.62	BUOY	24.1	BUOY	24.1
2	PRODUCTION	8.75	7.0	NEW	API	N	0	5609	0	5609	3211	-2405	5609	OTHER	29	OTHER - BLUE	4.43	6.21	BUOY	5.71	BUOY	5.71
3	OPEN HOLE	6.125					5609	7285					1676									

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

9.625_40.0lb_L80IC_BTC_20220705104523.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

Casing Attachments

Casing ID: 2 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

7_29ppf_TN110SS_TSH_Blue_20220705104659.pdf

Casing ID: 3 **String** OPEN HOLE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	0	0	0	0	0	0	N/A	N/A
SURFACE	Tail		0	885	289	1.33	14.8	384	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
OPEN HOLE	Lead		0	0	0	0	0	0	0	N/A	N/A
OPEN HOLE	Tail		0	4609	651	1.33	14.8	866	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier
PRODUCTION	Lead		0	4609	337	2.49	11.9	840	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail		4609	5609	141	1.33	14.8	188	25	CLASS C	Extender, Antifoam, Retarder, Viscosifier

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

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

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

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

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

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	885	OTHER : FRESHWATER	8.4	8.8							
885	5609	OTHER : BRINE/WATER BASED MUD	8.7	10							-Use brine based mud and use inhibiting productions such as gel as needed for salt section
5609	7285	OTHER : FRESHWATER	8.4	9							A weighting agent and lost circulating material (LCM) will be onsite to mitigate pressure or lost circulation as hole conditions dictate.

Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

Section 6 - Test, Logging, Coring

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

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

Coring Operations are not planned.

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

GAMMA RAY LOG,DIRECTIONAL SURVEY,

Coring operation description for the well:

Coring Operations are not planned.

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 3409 **Anticipated Surface Pressure:** 1806

Anticipated Bottom Hole Temperature(F): 140

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_Contingency_Plan_2022_20231013075349.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

SD_Papasquirrel_SWD_No_1_9_point_plan_20220712094534.pdf

DefPlan100ft_PapaSquirrelSWDNo.1_R0_20220712094633.pdf

Other proposed operations facets description:

Batch drilling will be employed whereby the drilling rig may drill a specific hole section on all wells prior to moving to the next hole section.

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

Wait on cement time will use the tail slurry and will follow rules as laid out in Onshore Order 2 (if sundry approved)

Other proposed operations facets attachment:

1_well_pad_schematic_20220705110614.pdf

SD_PAPA_SQUIRREL_SWD_Gas_Management_Plan___NMOCD_20220712095308.pdf

OPERATIONAL_BEST_MANAGEMENT_20220712095350.pdf

Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

Other Variance attachment:

Schlumberger

Chevron

Papa Squirrel SWD No. 1 R0 mdv 01May22 Proposal Geodetic Report

(Def Plan)

Report Date:	May 04, 2022 - 09:21 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	0.000 ° (Grid North)
Field:	NM Lea County (NAD 27)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron Papa Squirrel SWD No. 1 / Papa Squirrel SWD No. 1	**TVD Reference Datum:**	RKB = 28.5ft
Well:	Papa Squirrel SWD No. 1	**TVD Reference Elevation:**	3232.500 ft above MSL
Borehole:	Papa Squirrel SWD No. 1	**Seabed / Ground Elevation:**	3204.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.390 °
Survey Name:	Papa Squirrel SWD No. 1 R0 mdv 01May22	**Total Gravity Field Strength:**	998.4329mgn (9.80665 Based)
Survey Date:	May 04, 2022	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	0.000 ° / 0.000 ft / 0.000 / 0.000	**Total Magnetic Field Strength:**	47431.724 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.583 °
Location Lat / Long:	N 32° 2' 26.92320", W 103° 38' 1.41720"	**Declination Date:**	May 04, 2022
Location Grid N/E Y/X:	N 379275.206 ftUS, E 716780.499 ftUS	**Magnetic Declination Model:**	HDGM 2022
CRS Grid Convergence Angle:	0.3712 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99996292	**Grid Convergence Used:**	0.3712 °
Version / Patch:	2.10.824.0	**Total Corr Mag North->Grid North:**	6.0189 °
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	379275	716780	32.040812	-103.633727
01 - Dockum Group (DCYM)	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
02 - Dewey Lake (DYLK)	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
03 - Rustler (RSLR)	*669.00*	*0.00*	*0.00*	*669.00*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
	700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
04 - Los Medanos	*912.00*	*0.00*	*0.00*	*912.00*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
05 - Saldo (SLDO)	*992.20*	*0.00*	*0.00*	*992.20*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
06 - Castile (CSTL)	*2914.40*	*0.00*	*0.00*	*2914.40*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
	3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
07 - Lamar (LMAR)	*4625.30*	*0.00*	*0.00*	*4625.30*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
08 - Bell Canyon (BLCN)	*4652.90*	*0.00*	*0.00*	*4652.90*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
	4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
09 - Cherry Canyon (CRCN)	*5640.10*	*0.00*	*0.00*	*5640.10*	*0.00*	*0.00*	*0.00*	*0.00*	*379275*	*716780*	*32.040812*	*-103.633727*
	5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
	7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727
10 - Brushy Canyon (BRSC) Papa Squirrel SWD No. 1 BHL	7285.50	0.00	0.00	7285.50	0.00	0.00	0.00	0.00	379275	716780	32.040812	-103.633727

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Type	Borehole / Survey
	1	0.000	28.500	1/100.000	30.000	30.000		B001Mb_MWD+HRGM-Depth Only	Papa Squirrel SWD No. 1 / Papa Squirrel SWD No. 1 R0 mdv 01May22
	1	28.500	7285.500	1/100.000	30.000	30.000		B001Mb_MWD+HRGM	Papa Squirrel SWD No. 1 / Papa Squirrel SWD No. 1 R0 mdv

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CHEVRON USA INCORPORATED
WELL NAME & NO.:	PAPA SQUIRREL SWD 1
SURFACE HOLE FOOTAGE:	1928'/S & 870'/W
BOTTOM HOLE FOOTAGE	1928'/S & 870'/W
LOCATION:	Section 13, T.26 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

Primary Casing Design:

1. The **9-5/8** inch surface casing shall be set at approximately 885 feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. The surface hole shall be **12** ¼ inch in diameter.

Approval Date: 05/07/2024

a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7** inch production 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.**
  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.

❖ In Medium Cave/Karst Areas cement to surface

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 **9-5/8** 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)

WELL COMPLETION

The operator shall supply the BLM with a copy of a mudlog over the permitted disposal interval and estimated insitu water salinity based on open-hole logs. If hydrocarbon shows occur while drilling, the operator shall notify the BLM.

The operator shall provide to the BLM a summary of formation depth picks based on mudlog and geophysical logs along with a copy of the mudlog and open hole logs from TD to top of Devonian

A NOI sundry with the completion procedure for this well shall be submitted and approved prior to commencing completion work. The procedure will be reviewed to verify that the completion proposal will allow the operator to:

1. **Properly evaluate the injection zone utilizing open hole logs, swab testing and/or any other method to confirm that hydrocarbons cannot be produced in paying quantities. This evaluation shall be reviewed by the BLM prior to injection commencing.**
2. **Restrict the injection fluid to the approved formation.**
3. **If a step rate test will be run an NOI sundry shall be submitted to the BLM for approval**

If off-lease water will be disposed in this well, the operator shall provide proof of right-of-way approval.

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,

Approval Date: 05/07/2024

BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

☒ Lea County
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke

manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
    e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

    b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be

initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

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

JS 5/1/2024

H_2S Preparedness and Contingency Plan Summary

Training

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

Awareness Level

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

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

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

Advanced Level H_2S Training

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

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

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

H_2S Preparedness and Contingency Plan Summary

H_2S Training Certification

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

Briefing Area

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

H_2S Equipment

Respiratory Protection

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

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

Visual Warning System

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

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

H_2S Detection and Monitoring System

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

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

H_2S Preparedness and Contingency Plan Summary

Well Control Equipment

a) Flare Line 150' from wellhead with igniter.

b) Choke manifold with a remotely operated choke.

c) Mud / gas separator

Mud Program

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

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

Public Safety - Emergency Assistance

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

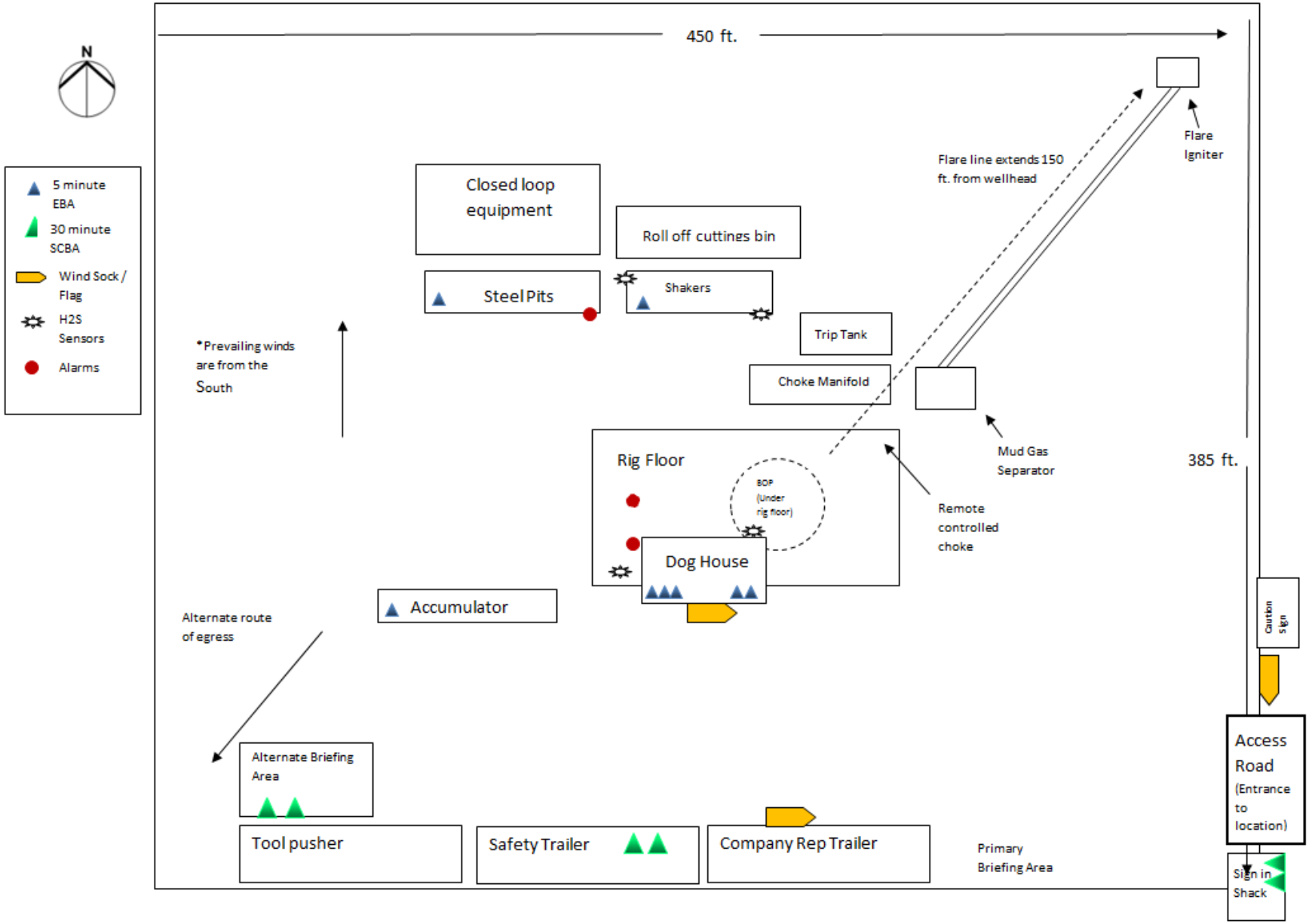
H_2S Preparedness and Contingency Plan Summary

Chevron MCBU D&C Emergency Notifications

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

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

H_2S Preparedness and Contingency Plan Summary



Operator Name: CHEVRON USA INCORPORATED

Well Name: PAPA SQUIRREL SWD **Well Number:** 1

expanding lay flat lines from the existing frac pond in the SW/4 of Sec. 13 and the existing frac pond in the NE/4 of Sec. 23, both in T26S-R32E to the proposed well pad. Total length of 11,619.54. BLM temporary use authorization will not be required.

Production Facilities map:

Papa_Squirrel_SWD_Aerial_Detail_Cert060822_20220712100227.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: SURFACE PRODUCTION,OPEN HOLE, STIMULATION

Water source use type: OTHER **Describe use type:** SURFACE, PRODUCTION, OPEN

Source latitude: 32.040937 **Source longitude:** -103.634196

Source datum: NAD83

Water source permit type: PRIVATE CONTRACT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 1 **Source volume (acre-feet):** 0.00012889

Source volume (gal): 42

Water source and transportation

Papa_Squirrel_SWD_Pad_Pipeline_EDS_SUP_R1_Cert060822_20220712100723.pdf

Water source comments: The existing frac pond in the SW/4 of Sec. 13 and the existing frac pond in the NE/4 of Sec. 23, both in T26S-R32E may be utilized for drilling and completions, which holds brackish water and treated produced water.

New water well? N

New Water Well Info

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

Well target aquifer:

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

Aquifer comments:

Aquifer documentation:

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

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

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

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

Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

Drilling Plan Data Report
05/08/2024

APD ID: 10400086673
Submission Date: 07/13/2022
Operator Name: CHEVRON USA INCORPORATED
Well Name: PAPA SQUIRREL SWD
Well Number: 1
Well Type: INJECTION - DISPOSAL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13388020	RUSTLER	3204	600	600	OTHER : CARBONATES	NONE	N
13388021	SALADO	2261	943	943	HALITE	NONE	N
13388022	CASTILE	439	2765	2765	ANHYDRITE	NONE	N
13388023	LAMAR	-1355	4559	4559	OTHER : CARBONATES	NONE	N
13388024	BELL CANYON	-1368	4572	4572	SANDSTONE	NONE	N
13388025	CHERRY CANYON	-2405	5609	5609	SANDSTONE	NONE	N
13388026	BRUSHY CANYON	-4128	7332	7332	SANDSTONE	USEABLE WATER	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 7285

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

Variance request: Chevron respectfully 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_Choke_Hose_Test_Specs_and_Pressure_Test_Continental_20220705104205.pdf

BLOWOUT PREVENTER SCHEMATIC

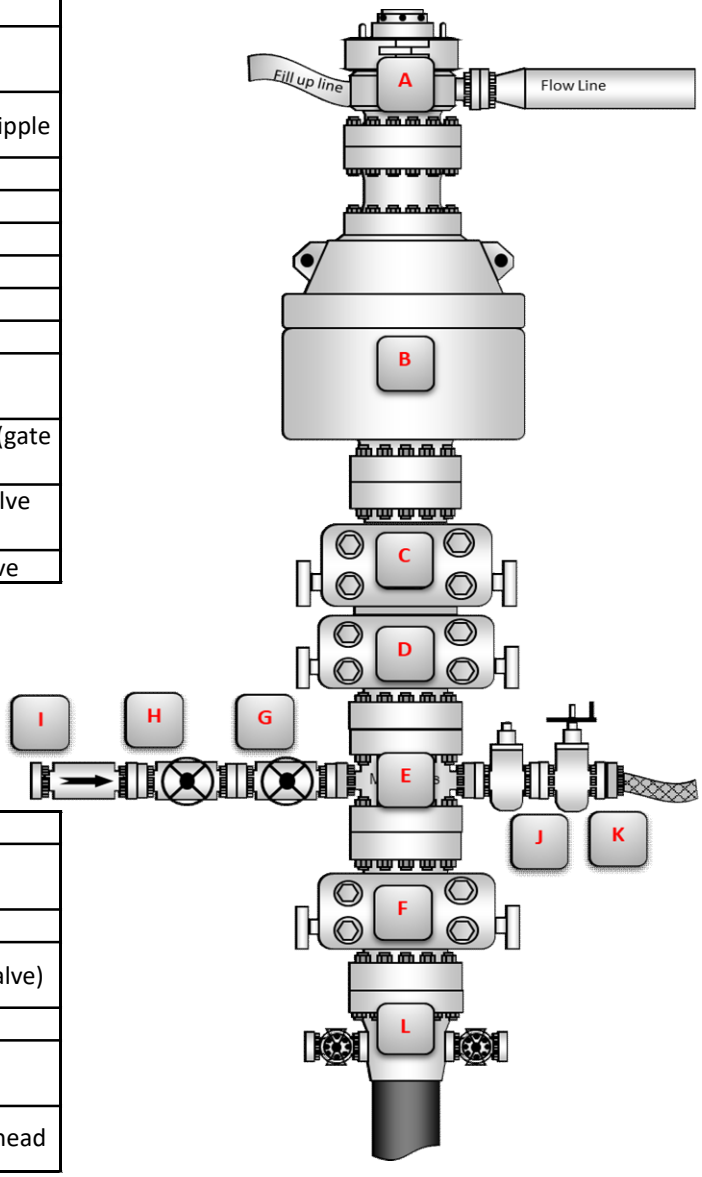
Operation:	Intermediate & Production Drilling Operations
Minimum System operation pressure	5,000 psi

BOP Stack

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

Kill Line

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



Choke line

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

Wellhead

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 344268

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 344268
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Notify OCD 24 hours prior to casing & cement	8/13/2024
pkautz	WILL REQUIRE DEVIATION SURVEY WITH COMPLETION REPORT.	8/13/2024
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	8/13/2024
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system	8/13/2024
pkautz	Cement is required to circulate on both surface and production strings of casing	8/13/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	8/13/2024
pkautz	MUST COMPLY WITH ALL REQUIREMENTS OF SWD ORDER R-23087.	8/13/2024