<u>District I</u> 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

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**

Form C-101 August 1, 2011

Permit 337084

APPLICATION FOR PERMIT TO	DRILL, RE-ENTER, DEEPEN, PLUGBA	ACK, OR ADD A ZONE
---------------------------	---------------------------------	--------------------

Operator Name and Address		2. OGRID Number
CHEVRON U S A INC	4323	
6301 Deauville Blvd	3. API Number	
Midland, TX 79706		30-015-53669
4. Property Code	5. Property Name	6. Well No.
329314	CB TANO 26 35 FEE 11	602H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Α	26	23S	28E		289	N	473	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Р	35	238	28E	Р	25	s	330	E	Eddv

#### 9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation	
New Well	GAS		Private	2994	
16. Multiple	17. Proposed Depth	18. Formation 19. Contractor 2		20. Spud Date	
N	21005	Wolfcamp		6/27/2023	
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water	

#### ☑ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	450	233	0
Int1	12.25	9.625	40	2631	415	0
Int2	8.75	7	29	9984	619	2431
Prod	6.125	5	18	10434	613	9834
Prod	6.125	4.5	11.6	21005	613	9834

#### Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
Annular 5000		3500	TBD
Blind 10000		5000	TBD
Pipe	10000	5000	TBD
Pipe	10000	5000	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.  Signature:				OIL CONSERVATION	ON DIVISION	
Printed Name:	Electronically filed by Cindy Herro	era-Murillo	Approved By:	Dean McClure		
Title:	Sr. HES Regulatory Affairs Coord	dinator	Title:	Petroleum Specialist - A		
Email Address:	eeof@chevron.com		Approved Date:	3/31/2023	Expiration Date: 3/31/2025	
Date:	3/27/2023	Phone: 575-263-0431	Conditions of Approval Attached			

<u>District I</u>
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<u>District II</u>
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

<u>District III</u> 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

12 Dedicated Acres

640

23 SOUTH 28 EAST, N.M.P.M.

14 Consolidation Code

13 Joint or Infill

**INFILL** 

# 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

**EDDY** 

## WELL LOCATION AND ACREAGE DEDICATION PLAT

00.04	<sup>1</sup> API Num		<sup>2</sup> Pool Co	ode	<sup>3</sup> Pool Name						
30-015-53669 98220 PURPLE SAGE; WOLFCAMP (GAS)											
<sup>4</sup> Proper	y Code		•	5 P	roperty Name				6	Well Number	
329314				CB TANO 26 35 FEE 11						602H	
<sup>7</sup> OGRI	<sup>7</sup> OGRID No. <sup>8</sup> Operator Name									<sup>9</sup> Elevation	
432	23			CHEVI	RON U.S.A. IN	C.			2994'		
				¹º Sur	face Locat	ion				_	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/	West line	County	
A	26	23 SOUTH	28 EAST, N.M.P.M.		289'	NORTH	473'	EAST		EDDY	
	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/V	West line	County	

25'

SOUTH

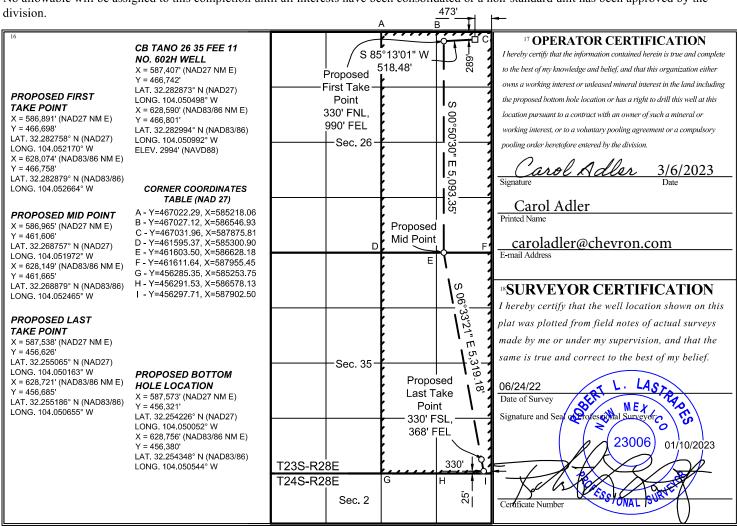
330'

R-21672, defining well is CB Tano 26 35 Fee 11 402H

**EAST** 

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

15 Order No.



Permit 337084

#### Form APD Conditions

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

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

drilling fluids and solids must be contained in a steel closed loop system

dmcclure The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

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

#### PERMIT CONDITIONS OF APPROVAL

ame and Address:	API Number:					
CHEVRON U S A INC [4323]	30-015-53669					
	Well:					
Midland, TX 79706	CB TANO 26 35 FEE 11 #602H					
Condition						
Notify OCD 24 hours prior to casing & cement						
Will require a File As Drilled C-102 and a Directional Survey with the C-104						
clure 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						
Cement is required to circulate on both surface and intermediate1 strings of casing						
cclure 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,						
	CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706  Condition  Notify OCD 24 hours prior to casing & cement Will require a File As Drilled C-102 and a Directional Survey with the C-104  Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, water zone or zones and shall immediately set in cement the water protection string  Cement is required to circulate on both surface and intermediate1 strings of casing					

**Tenaris** 

**API BTC** 

Coupling Pipe Body

Grade: J55 (Casing) Grade: J55 (Casing) Body: Bright Green 1st Band: Bright Green 1st Band: White 2nd Band: -

909 x1000 lb

766 x1000 lb

2730 psi

2nd Band: -3rd Band: -3rd Band: -4th Band: -

Outside Diameter	13.375 in.	Wall Thickness	0.380 in.	Grade	J55 (Casing)
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	Regular				

#### Pipe Body Data

Geometry			
Nominal OD	13.375 in.	Drift	12.459 in.
Wall Thickness	0.380 in.	Plain End Weight	52.79 lb/ft
Nominal Weight	54.500 lb/ft	OD Tolerance	API
Nominal ID	12.615 in.		

Performance	
SMYS	55,000 psi
Min UTS	75,000 psi
Body Yield Strength	853 x1000 lb
Min. Internal Yield Pressure	2730 psi
Collapse Pressure	1130 psi
Max. Allowed Bending	19 °/100 ft

#### **Connection Data**

Geometry		Performance
Thread per In	5	Joint Strength
Connection OD	14.375 in.	Coupling Face Load
Hand Tight Stand Off	1 in.	Internal Pressure Capacity

## Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.

For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.

Couplings OD are shown according to current API 5CT 10th Edition.

Couplings OD are shown according to current API SCT 10th Edition.

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## Wedge 521®



Coupling	Pipe Body
Grade: P110	Grade: P110
Body: White	1st Band: White
1st Band: -	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
ord Barra.	5th Band: -
	6th Band: -

Outside Diameter	4.500 in.	Wall Thickness	0.250 in.	Grade	P110
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	4.500 in.	Wall Thickness	0.250 in.
Nominal Weight	11.60 lb/ft	Plain End Weight	11.36 lb/ft
Drift	3.875 in.	OD Tolerance	API
Nominal ID	4 in.		

Performance	
Body Yield Strength	367 x1000 lb
Min. Internal Yield Pressure	10,690 psi
SMYS	110,000 psi
Collapse Pressure	7580 psi

#### **Connection Data**

Geometry	
Connection OD	4.695 in.
Connection ID	3.960 in.
Make-up Loss	3.620 in.
Threads per inch	3.36
Connection OD Option	Regular

Performance	
Tension Efficiency	64.20 %
Joint Yield Strength	236 x1000 lb
Internal Pressure Capacity	10,690 psi
Compression Efficiency	84.80 %
Compression Strength	311 x1000 lb
Max. Allowable Bending	71.90 °/100 ft
External Pressure Capacity	7580 psi

Make-Up Torques	
Minimum	3600 ft-lb
Optimum	4300 ft-lb
Maximum	6300 ft-lb
Operation Limit Torques	
Operating Torque	14,000 ft-lb
Yield Torque	21,000 ft-lb

## Notes

This connection is fully interchangeable with: Wedge 521% - 4.5 in. -0.224/0.237/0.271/0.29 in. Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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P110

Casing

## Wedge 513®



Coupling	Pipe Body
Grade: P110	Grade: P110
Body: White	1st Band: White
1st Band: -	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
ord Barra.	5th Band: -
	6th Band: -

Outside Diameter	5.000 in.	Wall Thickness	0.362 in.	Grade	
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	5.000 in.	Wall Thickness	0.362 in.
Nominal Weight	18 lb/ft	Plain End Weight	17.95 lb/ft
Drift	4.151 in.	OD Tolerance	API
Nominal ID	4.276 in.		

Performance	
Body Yield Strength	580 x1000 lb
Min. Internal Yield Pressure	13,940 psi
SMYS	110,000 psi
Collapse Pressure	13,470 psi

#### **Connection Data**

Geometry	
Connection OD	5 in.
Connection ID	4.194 in.
Make-up Loss	4.320 in.
Threads per inch	3.36
Connection OD Option	Regular

63.70 %
369 x1000 lb
13,940 psi
73.70 %
427 x1000 lb
64.34 °/100 ft
13,470 psi

Make-Up Torques	
Minimum	6500 ft-lb
Optimum	7800 ft-lb
Maximum	11,400 ft-lb
Operation Limit Torques	
Operating Torque	19,300 ft-lb
Yield Torque	29,000 ft-lb

## Notes

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

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# TenarisHydril Blue<sup>®</sup> SD6.125



Coupling	Pipe Body
Grade: P110	Grade: P110
Body: White	1st Band: White
1st Band: -	2nd Band: -
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.000 in.	Wall Thickness	0.408 in.	Grade	P110
Min. Wall Thickness	90.00 %	Pipe Body Drift	Special Drift	Туре	Casing
Connection OD Option	REGULAR				

#### Pipe Body Data

Geometry			
Nominal OD	7.000 in.	Wall Thickness	0.408 in.
Nominal Weight	29 lb/ft	Plain End Weight	28.75 lb/ft
Drift	6.125 in.	OD Tolerance	API
Nominal ID	6.184 in.		

Performance	
Body Yield Strength	929 x1000 lb
Min. Internal Yield Pressure	11,540 psi
SMYS	110,000 psi
Collapse Pressure	8530 psi

#### **Connection Data**

Geometry	
Connection OD	7.680 in.
Coupling Length	10.550 in.
Connection ID	6.190 in.
Make-up Loss	4.480 in.
Threads per inch	4
Connection OD Option	Regular

100 %
929 x1000 lb
11,540 psi
89.30 %
830 x1000 lb
64.30 °/100 ft
8530 psi
433,000 lb

Make-Up Torques  Minimum  Optimum  Maximum  Shoulder Torques  Minimum  Maximum  Operation Limit Torques  Operating Torque	
Optimum  Maximum  Shoulder Torques  Minimum  Maximum  Operation Limit Torques	
Maximum  Shoulder Torques  Minimum  Maximum  Operation Limit Torques	9060 ft-lb
Shoulder Torques  Minimum  Maximum  Operation Limit Torques	10,070 ft-lb
Minimum  Maximum  Operation Limit Torques	11,080 ft-lb
Maximum  Operation Limit Torques	
Operation Limit Torques	1510 ft-lb
	8560 ft-lb
Operating Torque	
	25,220 ft-lb
Yield Torque	31,520 ft-lb
Yield Torque	<u> </u>

## Notes

This connection is fully interchangeable with: Blue\$-7 in. -0.317/0.343/0.362/0.453/0.498/0.54/0.59/0.64 in. Connections with Dopeless\$ Technology are fully compatible with the same connection in its Standard version

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**Tenaris** 

**API BTC** 

Coupling Pipe Body

Grade: L80 Type 1 Grade: L80 Type 1 1st Band: Red Body: Red 1st Band: Brown 2nd Band: Brown 2nd Band: -3rd Band: -3rd Band: -4th Band: -

Outside Diameter	9.625 in.	Wall Thickness	0.395 in.	Grade	L80 Type 1
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Туре	Casing
Connection OD Option	Regular				

#### Pipe Body Data

Geometry			
Nominal OD	9.625 in.	Drift	8.679 in.
Wall Thickness	0.395 in.	Plain End Weight	38.97 lb/ft
Nominal Weight	40 lb/ft	OD Tolerance	API
Nominal ID	8.835 in.		

Performance	
SMYS	80,000 psi
Min UTS	95,000 psi
Body Yield Strength	916 x1000 lb
Min. Internal Yield Pressure	5750 psi
Collapse Pressure	3090 psi
Max. Allowed Bending	38 °/100 ft

#### **Connection Data**

Geometry		Performance	
Thread per In	5	Joint Strength	947 x1000 lb
Connection OD	10.625 in.	Coupling Face Load	837 x1000 lb
Hand Tight Stand Off	1 in.	Internal Pressure Capacity	5750 psi

## Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.

For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.

Couplings OD are shown according to current API 5CT 10th Edition.

Couplings OD are shown according to current API SCT 10th Edition.

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## CB TANO 26 35 FEE 11 602H - 9P

Cable/Rotary		Rotary									
Proposed Depth		21,005									
low many wells wit	hin 300'?	No									
Any structures withi	n 300'?	No									
epth to Ground wa	ter	N/A									
Distance from neare vell	st fresh water										
Distance to nearest s	surface water										
Closed-loop in lieu o	of line pits?	Yes									
CASING											
				Casing							
		Casing		Weight			Setting	Sacks of			
Type	Hole Size	Size	Grade	lbs/ft	Connection	Top MD	Depth (KB)	Cement	Est. TOC	Method	Fluid Type
urface	17-1/2" to 16"	13-3/8"	J-55	54.5	STC / BTC	0	450	233	0	Circulation	Fresh Water
ntermediate	12-1/4"	9-5/8"	L-80	40.0	BTC	0	2,631	415	0	Calculation	Brine
rod	8-3/4"	7"	P-110	29.0	BLUE	0	9,984	619	2431	Calculation	Cut Brine
iner1	6-1/8"	5"	P-110	18.0	TXP BTC	9,834	10,434	613	083/	Calculation	Oil-Based Mud
ancia	0-1/0	4-1/2"	P-110	11.6	W521	10,434	21,005	013	5054	Calculation	OII-Based Widd
ASING/CEMENT PR	OGRAM: ADD'L CO	MMENTS									

BLOWOUT PREVENTION								
BOP Type	Working Pressure	Test Pressure	Manufacturer					
Annular	5000 psi	3500 psi	TBD					
Blind	10000 psi	5000 psi	TBD					
Pipe	10000 psi	5000 psi	TBD					
Pipe	10000 psi	5000 psi	TBD					

17.5" to 16" bit			
13-3/8"	Rustler	SS	134
450 ft MD	Salado (SLDO)	Anhydrite and salt	358
	Castile (CSTL)	Anhydrite and salt	1,031
12-1/4" Bit	Lamar (LMAR)	LS, Sh	2,633
9-5/8"	Bell Canyon (BLCN)	SS, LS	2,661
2,631 ft MD	Cherry Canyon (CRCN)	SS, Silt, LS	3,497
	Brushy Canyon (BCN)	SS, LS, Sh	4,754
	Bone Spring Lime (BSGL)	Sh, SiltS	6,280
	Avalon Upper (AVU)	Sh	6,340
	Avalon Lower (AVL)	Sh	6,908
	First Bone Spring Upper (FBU)	SS, Sh	7,306
	First Bone Spring Lower (FBL)	Sh	7,477
	Second Bone Spring Upper (SBU)	SS, Sh	7,859
	Second Bone Spring Lower (SBL)	SS, Sh	8,486
	Third Bone First Carbonate (TB1C	SS, Sh	9,013
	Third Bone Spring	SS, Sh	9,250
	Wolfcamp A	SS, Sh	9,577
	Wolfcamp B	SS, Sh	10,275
	Wolfcamp C	SS, Sh	10,468
8-3/4" Bit			
7" casing 9,984 ft MD			
3,304 ILIND			

Inten	t	As Dril	led										
API #	:												
Operator Name:						Property N	ame	:					Well Number
Kick (	Off Point	(KOB)											
UL	Section	Township	Range	Lot	Feet	From N	I/S	Feet		From	E/W	County	
Latitu	ude				Longitu	ıde						NAD	
First <sup>-</sup>	Take Poir	t (FTP)	Range	Lot	Feet	From N	I/S	Feet		From	F/W	County	
Latitu		1 SWIISIII P	nange		Longitu		., 3	1 000				NAD	
Last 1	ake Poin	t (LTP)											
UL	Section	Township	Range	Lot	Feet	From N/S	Feet	:	From E	/W	Count	y	
Latitu	ıde				Longitu	ıde					NAD		
Is this	s well the	defining v	vell for th	ne Hori	zontal S <sub>l</sub>	pacing Unit?			]				
Is this	s well an	infill well?											
	ll is yes p ng Unit.	lease provi	ide API if	availal	ole, Ope	rator Name	and v	vell ni	umber	for D	efinir	ng well fo	r Horizontal
API #	:												
Ope	rator Nai	ne:	1			Property N	ame	:					Well Number
													V7.06/20/2011

KZ 06/29/2018



## **Training**

MCBU Drilling and Completions H<sub>2</sub>S 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<sub>2</sub>S.

## **Awareness Level**

Employees and visitors to MCBU Drilling and Completions locations that have known concentrations of H<sub>2</sub>S, who are not required to perform work in H<sub>2</sub>S areas, will be provided with an awareness level of H<sub>2</sub>S training prior to entering any H<sub>2</sub>S areas. At a minimum, awareness level training will include:

- 1. Physical and chemical properties of H<sub>2</sub>S
- 2. Health hazards of H<sub>2</sub>S
- 3. Personal protective equipment
- 4. Information regarding potential sources of H<sub>2</sub>S
- 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<sub>2</sub>S Training

Employees and contractors required to work in areas that may contain H<sub>2</sub>S will be provided with Advanced Level H<sub>2</sub>S training prior to initial assignment. In addition to the Awareness Level requirements, Advanced Level H<sub>2</sub>S training will include:

- 1. H<sub>2</sub>S safe work practice procedures;
- 2. Emergency contingency plan procedures;
- 3. Methods to detect the presence or release of H<sub>2</sub>S (e.g., alarms, monitoring equipment), including hands-on training with direct reading and personal monitoring H<sub>2</sub>S equipment.
- 4. Basic overview of respiratory protective equipment suitable for use in H<sub>2</sub>S 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<sub>2</sub>S 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<sub>2</sub>S 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.

## H<sub>2</sub>S 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<sub>2</sub>S Detection and Monitoring System

- a) H<sub>2</sub>S monitoring system (sensor head, warning light and siren) placed throughout rig.
  - Drilling Rig Locations: at a minimum, in the area of the Shale shaker, rig floor, and bell nipple.
  - Workover Rig Locations: at a minimum, in the area of the Cellar, rig floor and circulating tanks or shale shaker.



## **Well Control Equipment**

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

## **Mud Program**

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

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

## **Public Safety - Emergency Assistance**

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

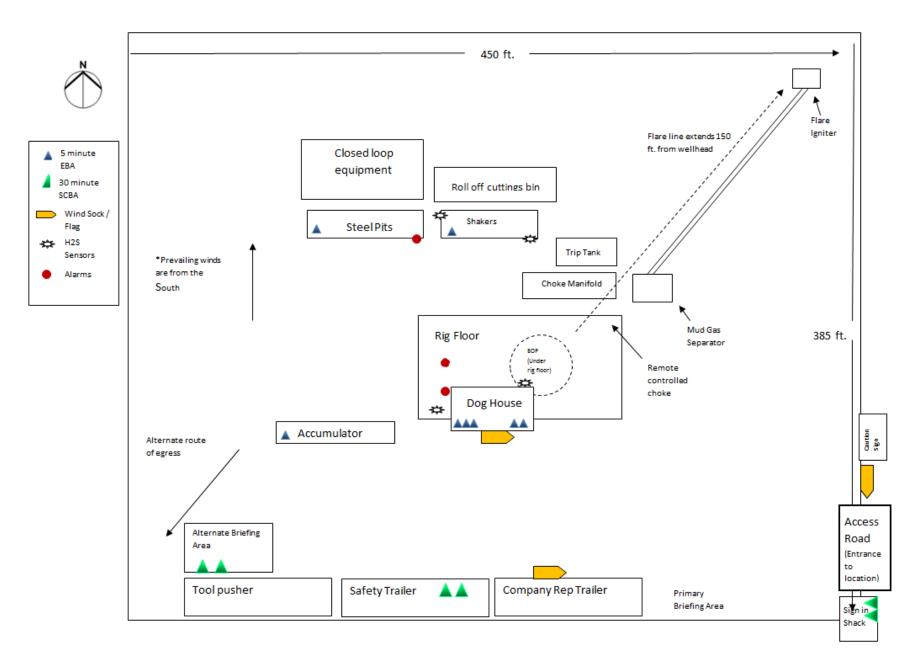


## **Chevron MCBU D&C Emergency Notifications**

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

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





## State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

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

## NATURAL GAS MANAGEMENT PLAN

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

## Section 1 – Plan Description <u>Effective May 25, 2021</u>

Operator: Chevron USA					Date:03 /_21 /_23		
amendment	due to □ 19.15.2	7.9.D(6)(a) NMAC	□ 19.15.27.9.D	(6)(b) NMAC □	Other.		
llowing inf	formation for each	new or recomplete	ed well or set of v	wells proposed to	be drilled or proposed to		
					1 1		
API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D		
Pending	UL:A, Sec 26, T23S-R28E	289' FNL, 498' FEL	1314 BBL/D	2831 MCF/D	4478 BBL/D		
Pending	UL:A, Sec 26, T23S-R28E	289' FNL, 448' FEL	1314 BBL/D	2831 MCF/D	4478 BBL/D		
Pending	UL:A, Sec 26, T23S-R28E	289' FNL, 473' FEL	1314 BBL/D	2831 MCF/D	4478 BBL/D		
Pending	UL:A, Sec 26, T23S-R28E	289' FNL, 398' FEL	1314 BBL/D	2831 MCF/D	4478 BBL/D		
Pending	UL:A, Sec 26, T23S-R28E	289' FNL, 423' FEL	1314 BBL/D	2831 MCF/D	4478 BBL/D		
	llowing infle well pad  API  Pending  Pending  Pending	Illowing information for each le well pad or connected to a  API ULSTR  Pending UL:A, Sec 26, T23S-R28E  Pending UL:A, Sec 26, T23S-R28E	Illowing information for each new or recomplete le well pad or connected to a central delivery po  API ULSTR Footages  Pending UL:A, Sec 26, T23S-R28E 498' FNL, 498' FEL  Pending UL:A, Sec 26, T23S-R28E 48' FNL, 448' FEL  Pending UL:A, Sec 26, T23S-R28E 473' FEL  Pending UL:A, Sec 26, T23S-R28E 473' FEL  Pending UL:A, Sec 26, T23S-R28E 398' FNL, 398' FEL  Pending UL:A, Sec 26, Z89' FNL, 398' FEL  Pending UL:A, Sec 26, Z89' FNL, 398' FEL	Illowing information for each new or recompleted well or set of value well pad or connected to a central delivery point.  API ULSTR Footages Anticipated Oil BBL/D  Pending UL:A, Sec 26, T23S-R28E 498' FNL, T23S-R28E 498' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 448' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 473' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 473' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 473' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 398' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 398' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 398' FEL  Pending UL:A, Sec 26, 289' FNL, T23S-R28E 398' FEL	Illowing information for each new or recompleted well or set of wells proposed to le well pad or connected to a central delivery point.  API ULSTR Footages Anticipated Oil BBL/D Gas MCF/D  Pending UL:A, Sec 26, T23S-R28E 498' FNL, 498' FEL  Pending UL:A, Sec 26, T23S-R28E 498' FNL, 448' FEL  Pending UL:A, Sec 26, T23S-R28E 498' FNL, 448' FEL  Pending UL:A, Sec 26, T23S-R28E 473' FEL  Pending UL:A, Sec 26, T23S-R28E 473' FEL  Pending UL:A, Sec 26, T23S-R28E 473' FEL  Pending UL:A, Sec 26, T23S-R28E 398' FNL, 1314 BBL/D 2831 MCF/D  Pending UL:A, Sec 26, T23S-R28E 398' FNL, 1314 BBL/D 2831 MCF/D  Pending UL:A, Sec 26, T23S-R28E 398' FNL, 1314 BBL/D 2831 MCF/D  Pending UL:A, Sec 26, T23S-R28E 398' FNL, 1314 BBL/D 2831 MCF/D		

1v. Central Derivery 1 offic (value)	IV. Central Delivery Point Name: _	Culebra Bluff CTB Sec.23	[See 19.15.27.9(D)(1) NMAC
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**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 Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
CB TANO 26 35 FEE 11 601H	Pending	Jan 2025	N/A	N/A	N/A	N/A
CB CAL 25 36 STATE COM 08 701H	Pending	Jan 2025	N/A	N/A	N/A	N/A
CB TANO 26 35 FEE 11 602H	Pending	Jan 2025	N/A	N/A	N/A	N/A
CB CAL 25 36 STATE COM 08 702H	Pending	Jan 2025	N/A	N/A	N/A	N/A

CB CAL 25 36 STATE	Pending	Jan 2025	N/A	N/A	N/A	N/A
COM 08 603H						

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	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  $\square$  will  $\square$  will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

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

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV.** Confidentiality: 

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

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

## **Section 4 - Notices**

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

other alternative beneficial uses approved by the division.

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

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

Signature: Carol Adler
Printed Name: Carol Adler
Title: Sr. Regulatory Affairs Coordinator
E-mail Address: caroladler@chevron.com
Date: 3/23/2023
Phone: (432) 687-7148
OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:







Longitude

DLS

Dof Plan

Report Date:
Client:
Field:
Structure / Slot:
Well:
Borehole:
UBH/ APIE:
Survey Name:
Survey Date:
Tor/ APID / DDI / ERD Ratio:
Coordinate Reference System:
Location Lat / Long:
Location Grid WE Y/X:
CRS Grid Convergence Angle:
Grid Scale Factor:
Version / Patch:

February 23, 2023 - 04:15 PM (UTC 0)
Chevron
M, Eddy County (NAD 27 EZ)
CB Pig 19 Pad / CB Tano 26:35 Fee 11 No. 602H
CB Tano

Azim

TVD

TVDSS

Survey / DLS Computation:
Vertical Section Azimuth:
Vertical Section Origin:
TVD Reference Datum:
TVD Reference Datum:
TVD Reference Elevation:
Reabed / Forund Elevation:
Magnetic Declination:
Magnetic Declination:
Total Gravity Model:
Total Magnetic Field Strength:
Magnetic Dip Angle:
Declination Date:
Magnetic Dip Collegion Model:
North Reference:
Grid Convergence Used:
Total Convergence Used:
Total Corn MagNetic North:
Local Coord Referenced To:

Minimum Curvature / Lubinski 176.240 "(GRID North) 0.000 ft, 0.000 ft RKB 3022.000 ft above MSL 6.970" 998.4736mgn (9.80665 Based) GARM 47793.86 nT 59.999" June 03, 2020 HDGM 2023 Grid North 0.1511" 0.8191" Well Head

Northing

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Surface	0.00	0.00	294.43	0.00	-3,022.00	0.00	0.00	0.00	466,742.00	587,407.00	32.28287371	-104.05049918		,	
Duration	100.00	0.00	294.43	100.00	-2,922.00	0.00	0.00	0.00	466,742.00	587,407.00		-104.05049918	0.00	0.00	0.00
Rustler	134.03 200.00	0.00	294.43 294.43	134.03 200.00	-2,887.97 -2,822.00	0.00	0.00	0.00	466,742.00 466,742.00	587,407.00 587,407.00		-104.05049918 -104.05049918	0.00	0.00	0.00
	300.00	0.00	294.43	300.00	-2,722.00	0.00	0.00	0.00	466,742.00	587,407.00	32.28287371	-104.05049918	0.00	0.00	0.00
Salado (SLDO)	358.00 400.00	0.00	294.43 294.43	358.00 400.00	-2,664.00 -2,622.00	0.00	0.00	0.00	466,742.00 466,742.00	587,407.00 587,407.00		-104.05049918 -104.05049918	0.00	0.00	0.00
	500.00	0.00	294.43	500.00	-2,522.00	0.00	0.00	0.00	466,742.00	587,407.00	32.28287371	-104.05049918	0.00	0.00	0.00
Build 1.5°/100ft	600.00 700.00	0.00	294.43 294.43	600.00 700.00	-2,422.00 -2,322.00	0.00	0.00	0.00	466,742.00 466,742.00	587,407.00 587,407.00		-104.05049918 -104.05049918	0.00	0.00	0.00
Build 1.5-/100ft	800.00	1.50	294.43	799.99	-2,322.00 -2,222.01	-0.62	0.54	-1.19	466,742.54	587,407.00		-104.05049918	1.50	1.50	0.00
	900.00	3.00	294.43	899.91	-2,122.09	-2.47	2.16	-4.77	466,744.16	587,402.23		-104.05051458	1.50	1.50	0.00
Castile (CSTL)	1,000.00 1,031.42	4.50 4.97	294.43 294.43	999.69 1,031.00	-2,022.31 -1,991.00	-5.56 -6.79	4.87 5.94	-10.72 -13.08	466,746.87 466,747.94	587,396.28 587,393.92		-104.05053383 -104.05054146	1.50 1.50	1.50 1.50	0.00
	1,100.00	6.00	294.43	1,099.27	-1,922.73	-9.88	8.65	-19.05	466,750.65	587,387.95	32.28289764	-104.05056075	1.50	1.50	0.00
Hold	1,166.89 1,200.00	7.00 7.00	294.43 294.43	1,165.73 1.198.59	-1,856.27 -1,823.41	-13.46 -15.37	11.79 13.46	-25.95 -29.62	466,753.79 466,755.45	587,381.05 587,377.38		-104.05058304 -104.05059491	1.50 0.00	1.50 0.00	0.00
	1,300.00	7.00	294.43	1,297.85	-1,724.15	-21.13	18.50	-40.72	466,760.50	587,366.28	32.28292486	-104.05063079	0.00	0.00	0.00
	1,400.00 1.500.00	7.00 7.00	294.43 294.43	1,397.10 1.496.35	-1,624.90 -1,525.65	-26.89 -32.65	23.54 28.58	-51.83 -62.93	466,765.54 466,770,58	587,355.18 587,344.08		-104.05066666 -104.05070254	0.00	0.00	0.00
	1,600.00	7.00	294.43	1,595.61	-1,426.39	-38.41	33.63	-74.03	466,775.62	587,332.98	32.28296668	-104.05073841	0.00	0.00	0.00
	1,700.00 1.800.00	7.00 7.00	294.43 294.43	1,694.86 1.794.11	-1,327.14 -1,227.89	-44.17 -49.93	38.67 43.71	-85.13 -96.23	466,780.67 466,785,71	587,321.88 587,310.78		-104.05077429 -104.05081017	0.00	0.00	0.00
	1,900.00	7.00	294.43	1,893.37	-1,128.63	-55.69	48.75	-107.33	466,790.75	587,299.68		-104.05084604	0.00	0.00	0.00
	2,000.00	7.00 7.00	294.43 294.43	1,992.62 2.091.88	-1,029.38	-61.45	53.80 58.84	-118.43 -129.53	466,795.79	587,288.58		-104.05088192 -104.05091779	0.00	0.00	0.00
	2,100.00 2,200.00	7.00	294.43	2,191.13	-930.12 -830.87	-67.21 -72.97	63.88	-129.53	466,800.83 466,805.88	587,277.48 587,266.38		-104.05091779	0.00	0.00	0.00
	2,300.00	7.00	294.43	2,290.38	-731.62	-78.73	68.92	-151.74	466,810.92	587,255.28	32.28306426	-104.05098954	0.00	0.00	0.00
	2,400.00 2,500.00	7.00 7.00	294.43 294.43	2,389.64 2,488.89	-632.36 -533.11	-84.49 -90.24	73.97 79.01	-162.84 -173.94	466,815.96 466,821.00	587,244.18 587,233.08		-104.05102542 -104.05106129	0.00	0.00	0.00
	2,600.00	7.00	294.43	2,588.15	-433.85	-96.00	84.05	-185.04	466,826.04	587,221.98	32.28310609	-104.05109717	0.00	0.00	0.00
Lamar (LMAR) Bell Canyon (BLCN)	2,645.58 2,673.30	7.00 7.00	294.43 294.43	2,633.39 2,660.90	-388.61 -361.10	-98.63 -100.23	86.35 87.75	-190.10 -193.18	466,828.34 466,829.74	587,216.92 587,213.84		-104.05111352 -104.05112347	0.00	0.00	0.00
Don Garlyon (DEGIV)	2,700.00	7.00	294.43	2,687.40	-334.60	-101.76	89.09	-196.14	466,831.09	587,210.88	32.28312003	-104.05113304	0.00	0.00	0.00
	2,800.00 2,900.00	7.00 7.00	294.43 294.43	2,786.65 2,885.91	-235.35 -136.09	-107.52 -113.28	94.14 99.18	-207.24 -218.34	466,836.13 466,841.17	587,199.77 587,188.67		-104.05116892 -104.05120479	0.00	0.00	0.00
	3,000.00	7.00	294.43	2,985.16	-36.84	-119.04	104.22	-229.45	466,846.21	587,177.57		-104.05120479	0.00	0.00	0.00
	3,100.00	7.00	294.43	3,084.42	62.42	-124.80	109.26	-240.55	466,851.25	587,166.47		-104.05127655	0.00	0.00	0.00
	3,200.00 3,300.00	7.00 7.00	294.43 294.43	3,183.67 3,282.92	161.67 260.92	-130.56 -136.32	114.31 119.35	-251.65 -262.75	466,856.30 466,861.34	587,155.37 587,144.27		-104.05131242 -104.05134830	0.00	0.00	0.00
	3,400.00	7.00	294.43	3,382.18	360.18	-142.08	124.39	-273.85	466,866.38	587,133.17		-104.05138417	0.00	0.00	0.00
Cherry Canyon (CRCN)	3,500.00 3,515.60	7.00 7.00	294.43 294.43	3,481.43 3,496.91	459.43 474.91	-147.84 -148.74	129.43 130.22	-284.95 -286.68	466,871.42 466,872.21	587,122.07 587,120.34		-104.05142005 -104.05142564	0.00	0.00	0.00
,,(,	3,600.00	7.00	294.43	3,580.68	558.68	-153.60	134.48	-296.05	466,876.46	587,110.97	32.28324549	-104.05145592	0.00	0.00	0.00
	3,700.00 3,800.00	7.00 7.00	294.43 294.43	3,679.94 3,779.19	657.94 757.19	-159.36 -165.12	139.52 144.56	-307.15 -318.25	466,881.51 466,886.55	587,099.87 587,088.77		-104.05149180 -104.05152767	0.00	0.00	0.00
	3,900.00	7.00	294.43	3,878.45	856.45	-170.88	149.60	-329.36	466,891.59	587,077.67	32.28328731	-104.05156355	0.00	0.00	0.00
	4,000.00 4,100.00	7.00 7.00	294.43 294.43	3,977.70 4,076.95	955.70 1,054.95	-176.64 -182.40	154.65 159.69	-340.46 -351.56	466,896.63 466,901.68	587,066.57 587,055.47		-104.05159943 -104.05163530	0.00	0.00	0.00
	4,200.00	7.00	294.43	4,176.21	1,154.21	-188.16	164.73	-362.66	466,906.72	587,044.37	32.28332913	-104.05165333	0.00	0.00	0.00
	4,300.00 4,400.00	7.00 7.00	294.43 294.43	4,275.46 4,374.72	1,253.46 1,352.72	-193.92 -199.68	169.77 174.82	-373.76 -384.86	466,911.76 466,916.80	587,033.27 587,022.17		-104.05170705 -104.05174293	0.00	0.00	0.00
	4,500.00	7.00	294.43	4,473.97	1,451.97	-205.44	179.86	-395.96	466,921.84	587,011.07		-104.05174293	0.00	0.00	0.00
	4,600.00	7.00	294.43	4,573.22	1,551.22	-211.20	184.90	-407.06	466,926.89	586,999.97		-104.05181468 -104.05185056	0.00	0.00	0.00
Brushy Canyon (BCN)	4,700.00 4,782.13	7.00 7.00	294.43 294.43	4,672.48 4,753.99	1,650.48 1,731.99	-216.96 -221.69	189.94 194.09	-418.17 -427.28	466,931.93 466,936.07	586,988.87 586,979.75		-104.05185056	0.00	0.00	0.00
,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4,800.00	7.00	294.43	4,771.73	1,749.73	-222.72	194.99	-429.27	466,936.97	586,977.77	32.28341278	-104.05188643	0.00	0.00	0.00
	4,900.00 5,000.00	7.00 7.00	294.43 294.43	4,870.99 4.970.24	1,848.99 1,948.24	-228.48 -234.24	200.03 205.07	-440.37 -451.47	466,942.01 466,947.05	586,966.67 586,955.57		-104.05192231 -104.05195818	0.00	0.00	0.00
	5,100.00	7.00	294.43	5,069.49	2,047.49	-240.00	210.11	-462.57	466,952.10	586,944.47	32.28345460	-104.05199406	0.00	0.00	0.00
Drop 0.75°/100ft	5,149.85 5,200.00	7.00 6.63	294.43 294.43	5,118.97 5.168.77	2,096.97 2,146.77	-242.87 -245.68	212.63 215.09	-468.10 -473.52	466,954.61 466,957.07	586,938.93 586,933.52		-104.05201194 -104.05202945	0.00 0.75	0.00 -0.75	0.00
	5,300.00	5.88	294.43	5,268.17	2,246.17	-250.82	219.59	-483.44	466,961.57	586,923.60	32.28348080	-104.05206150	0.75	-0.75	0.00
	5,400.00 5,500.00	5.13 4.38	294.43 294.43	5,367.71 5,467.37	2,345.71 2.445.37	-255.35 -259.27	223.56 226.98	-492.17 -499.71	466,965.54 466,968,97	586,914.87 586,907.33		-104.05208971 -104.05211409	0.75 0.75	-0.75 -0.75	0.00
	5,600.00	3.63	294.43	5,567.12	2,545.12	-262.56	229.87	-506.07	466,971.85	586,900.98	32.28350922	-104.05213462	0.75	-0.75	0.00
	5,700.00 5,800.00	2.88 2.13	294.43 294.43	5,666.96 5,766.86	2,644.96 2,744.86	-265.24 -267.30	232.22 234.02	-511.23 -515.21	466,974.20 466,976.00	586,895.81 586,891.84		-104.05215131 -104.05216416	0.75 0.75	-0.75 -0.75	0.00
	5,900.00	1.38	294.43	5,866.82	2,844.82	-268.75	235.29	-517.99	466,977.27	586,889.05		-104.05217316	0.75	-0.75	0.00
	6,000.00	0.63	294.43	5,966.80	2,944.80	-269.58	236.01	-519.58	466,977.99	586,887.46		-104.05217830	0.75	-0.75	0.00
Hold	6,083.63 6,100.00	0.00	294.43 294.43	6,050.43 6,066.80	3,028.43 3,044.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.75 0.00	-0.75 0.00	0.00
	6,200.00	0.00	294.43	6,166.80	3,144.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
Bone Spring Lime (BSGL)	6,300.00 6,313.19	0.00	294.43 294.43	6,266.80 6,279.99	3,244.80 3,257.99	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672	-104.05217965 -104.05217965	0.00	0.00	0.00
Avalon Upper (AVU)	6,373.24	0.00	294.43	6,340.04	3,318.04	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	6,400.00 6,500.00	0.00	294.43 294.43	6,366.80 6,466.80	3,344.80 3,444.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
	6,600.00	0.00	294.43	6,566.80	3,544.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	6,700.00 6,800.00	0.00	294.43 294.43	6,666.80 6,766.80	3,644.80 3,744.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672	-104.05217965 -104.05217965	0.00	0.00	0.00
	6,900.00	0.00	294.43	6,866.80	3,844.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
Avalon Lower (AVL)	6,941.25 7.000.00	0.00	294.43 294.43	6,908.05 6,966.80	3,886.05 3,944.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
	7,100.00	0.00	294.43	7,066.80	4,044.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	7,200.00	0.00	294.43 294.43	7,166.80	4,144.80	-269.79	236.20	-520.00	466,978.18	586,887.04		-104.05217965	0.00	0.00	0.00
First Bone Spring Upper (FBU)	7,300.00 7,338.98	0.00	294.43	7,266.80 7,305.78	4,244.80 4,283.78	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672	-104.05217965 -104.05217965	0.00	0.00	0.00
	7,400.00	0.00	294.43	7,366.80	4,344.80	-269.79	236.20	-520.00	466,978.18 466,978.18	586,887.04		-104.05217965	0.00	0.00	0.00
First Bone Spring Lower (FBL)	7,500.00 7,509.75	0.00	294.43 294.43	7,466.80 7,476.55	4,444.80 4,454.55	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
	7,600.00	0.00	294.43	7,566.80	4,544.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	7,700.00 7,800.00	0.00	294.43 294.43	7,666.80 7,766.80	4,644.80 4,744.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
Second Bone Spring Upper (SBU)	7,892.05	0.00	294.43	7,858.85	4,836.85	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	7,900.00 8,000.00	0.00	294.43 294.43	7,866.80 7.966.80	4,844.80 4,944.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
	8,100.00	0.00	294.43	8,066.80	5,044.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	8,200.00 8,300.00	0.00	294.43 294.43	8,166.80 8,266.80	5,144.80 5,244.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
	8,400.00	0.00	294.43	8,366.80	5,344.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
Conned Bono Carie - Lawre (CDL)	8,500.00 8,519.25	0.00	294.43 294.43	8,466.80 8,486.05	5,444.80 5.464.05	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04		-104.05217965 -104.05217965	0.00	0.00	0.00
Second Bone Spring Lower (SBL)	8,600.00	0.00	294.43	8,566.80	5,544.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00
	8,700.00	0.00	294.43	8,666.80	5,644.80	-269.79	236.20	-520.00	466,978.18			-104.05217965	0.00	0.00	0.00
	8,800.00	0.00	294.43	8,766.80	5,744.80	-269.79	236.20	-520.00	466,978.18	586,887.04	32.28352672	-104.05217965	0.00	0.00	0.00

Comments	MD (ft)	inci (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Third Bone First Carbonate (TB1C)	8,900.00 9,000.00 9.046.37	0.00 0.00 0.00	294.43 294.43 294.43	8,866.80 8,966.80 9.013.17	5,844.80 5,944.80 5,991.17	-269.79 -269.79 -269.79	236.20 236.20 236.20	-520.00 -520.00 -520.00	466,978.18 466,978.18 466,978.18	586,887.04 586,887.04 586,887.04	32.28352672 -10 32.28352672 -10 32.28352672 -10	4.05217965	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
Time Boile Files Galbonalo (1B To)	9,100.00 9,200.00	0.00	294.43 294.43	9,066.80 9,166.80	6,044.80 6,144.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672 -10 32.28352672 -10	4.05217965	0.00	0.00	0.00
Third Bone Spring	9,282.93 9,300.00	0.00 0.00	294.43 294.43	9,249.73 9,266.80	6,227.73 6,244.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672 -10 32.28352672 -10	4.05217965	0.00 0.00	0.00	0.00
	9,400.00 9,500.00	0.00	294.43 294.43	9,366.80 9,466.80	6,344.80 6,444.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672 -10 32.28352672 -10	4.05217965	0.00	0.00	0.00
Wolfcamp A	9,600.00 9,610.51 9,700.00	0.00 0.00 0.00	294.43 294.43 294.43	9,566.80 9,577.31 9,666.80	6,544.80 6,555.31 6,644.80	-269.79 -269.79 -269.79	236.20 236.20 236.20	-520.00 -520.00 -520.00	466,978.18 466,978.18 466,978.18	586,887.04 586,887.04 586,887.04	32.28352672 -10 32.28352672 -10 32.28352672 -10	4.05217965	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	9,800.00 9,900.00	0.00	294.43 294.43	9,766.80 9,866.80	6,744.80 6,844.80	-269.79 -269.79	236.20 236.20	-520.00 -520.00	466,978.18 466,978.18	586,887.04 586,887.04	32.28352672 -10 32.28352672 -10	4.05217965	0.00	0.00	0.00
Build 10°/100ft	9,983.63 10,000.00	0.00 1.64	294.43 179.17	9,950.43 9,966.80	6,928.43 6,944.80	-269.79 -269.56	236.20 235.97	-520.00 -520.00	466,978.18 466,977.95	586,887.04 586,887.05	32.28352672 -10 32.28352607 -10	4.05217965 4.05217964	0.00 10.00	0.00 10.00	0.00
	10,100.00 10,200.00	11.64 21.64	179.17 179.17	10,066.00 10,161.69	7,044.00 7,139.69	-258.03 -229.47	224.42 195.83	-519.83 -519.41	466,966.41 466,937.82	586,887.21 586,887.63	32.28349435 -10 32.28341576 -10	4.05217810	10.00 10.00	10.00 10.00	0.00
Wolfcamp B	10,300.00 10,328.22 10,400.00	31.64 34.46 41.64	179.17 179.17 179.17	10,250.96 10,274.62 10,331.11	7,228.96 7,252.62 7,309.11	-184.76 -169.39 -125.24	151.06 135.67 91.47	-518.76 -518.54 -517.90	466,893.05 466,877.66 466,833.46	586,888.28 586,888.50 586,889.14	32.28329269 -10 32.28325039 -10 32.28312888 -10	4.05217578	10.00 10.00 10.00	10.00 10.00 10.00	0.00 0.00 0.00
FTP Cross	10,500.00 10,576.28	51.64 59.26	179.17 179.17	10,399.68 10,442.91	7,377.68 7.420.91	-52.72 9.98	18.87 -43.91	-516.85 -515.94	466,760.87 466,698.10	586,890.20 586.891.11	32.28292931 -10 32.28275676 -10	4.05217129	10.00 10.00	10.00	0.00
Wolfcamp C	10,600.00 10,629.44	61.64 64.58	179.17 179.17	10,454.61 10,467.92	7,432.61 7,445.92	30.58 56.80	-64.54 -90.79	-515.64 -515.26	466,677.47 466,651.22	586,891.41 586,891.79	32.28270005 -10 32.28262789 -10	4.05216808 4.05216707	10.00 10.00	10.00 10.00	0.00
	10,700.00 10,800.00	71.64 81.64	179.17 179.17	10,494.21 10,517.29	7,472.21 7,495.29	122.15 219.19	-156.21 -253.37	-514.31 -512.90	466,585.80 466,488.65	586,892.74 586,894.15	32.28244805 -10 32.28218098 -10	4.05216082	10.00 10.00	10.00 10.00	0.00
Landing Point	10,882.66 10,900.00 11,000.00	89.90 89.90 89.90	179.17 179.17 179.17	10,523.39 10,523.42 10,523.59	7,501.39 7,501.42 7,501.59	301.45 318.76 418.63	-335.73 -353.06 -453.05	-511.70 -511.45 -510.00	466,406.30 466,388.97 466,288.99	586,895.34 586,895.59 586,897.04	32.28195459 -10 32.28190694 -10 32.28163209 -10	4.05215698	10.00 0.00 0.00	10.00 0.00 0.00	0.00 0.00 0.00
	11,100.00 11,200.00	89.90 89.90	179.17 179.17 179.17	10,523.75 10,523.92	7,501.75 7,501.75 7,501.92	518.50 618.37	-553.04 -653.03	-508.55 -507.10	466,189.00 466,089.02	586,898.50 586,899.95	32.28135724 -10 32.28108239 -10	4.05214929	0.00	0.00	0.00
	11,300.00 11,400.00	89.90 89.90	179.17 179.17	10,524.09 10,524.26	7,502.09 7,502.26	718.24 818.11	-753.02 -853.01	-505.65 -504.19	465,989.04 465,889.06	586,901.40 586,902.85	32.28080754 -10 32.28053268 -10	4.05214160	0.00	0.00	0.00
	11,500.00 11,600.00	89.90 89.90	179.17 179.17	10,524.43 10,524.60	7,502.43 7,502.60	917.98 1,017.85	-953.00 -1,052.99	-502.74 -501.29	465,789.08 465,689.10	586,904.30 586,905.75	32.28025783 -10 32.27998298 -10	4.05213006	0.00 0.00	0.00 0.00	0.00
	11,700.00 11,800.00	89.90 89.90	179.17 179.17	10,524.77 10,524.94	7,502.77 7,502.94	1,117.72 1,217.59	-1,152.98 -1,252.97	-499.84 -498.39	465,589.12 465,489.14	586,907.20 586,908.65	32.27970813 -10 32.27943328 -10	4.05212236	0.00	0.00	0.00
	11,900.00 12,000.00 12,100.00	89.90 89.90 89.90	179.17 179.17 179.17	10,525.11 10,525.28 10,525.44	7,503.11 7,503.28 7,503.44	1,317.46 1,417.33 1,517.20	-1,352.96 -1,452.95 -1,552.94	-496.94 -495.49 -494.04	465,389.16 465,289.18 465,189.20	586,910.10 586,911.55 586,913.00	32.27915843 -10 32.27888357 -10 32.27860872 -10	4.05211467	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	12,200.00 12,300.00	89.90 89.90	179.17 179.17	10,525.61 10,525.78	7,503.61 7,503.78	1,617.06 1,716.93	-1,652.92 -1,752.91	-492.59 -491.14	465,089.21 464,989.23	586,914.45 586,915.91	32.27833387 -10 32.27805902 -10	4.05210698	0.00	0.00	0.00
	12,400.00 12,500.00	89.90 89.90	179.17 179.17	10,525.95 10,526.12	7,503.95 7,504.12	1,816.80 1,916.67	-1,852.90 -1,952.89	-489.68 -488.23	464,889.25 464,789.27	586,917.36 586,918.81	32.27778417 -10 32.27750931 -10	4.05209928 4.05209544	0.00 0.00	0.00	0.00
	12,600.00 12,700.00	89.90 89.90	179.17 179.17	10,526.29 10,526.46	7,504.29 7,504.46	2,016.54 2,116.41	-2,052.88 -2,152.87	-486.78 -485.33	464,689.29 464,589.31	586,920.26 586,921.71	32.27723446 -10 32.27695961 -10	4.05208775	0.00	0.00	0.00
	12,800.00 12,900.00	89.90 89.90 89.90	179.17 179.17	10,526.63 10,526.80	7,504.63 7,504.80	2,216.28 2,316.15	-2,252.86 -2,352.85	-483.88 -482.43 -480.98	464,489.33 464,389.35	586,923.16 586,924.61	32.27668476 -10 32.27640991 -10	4.05208005	0.00	0.00 0.00 0.00	0.00
	13,000.00 13,100.00 13,200.00	89.90 89.90	179.17 179.17 179.17	10,526.96 10,527.13 10,527.30	7,504.96 7,505.13 7,505.30	2,416.02 2,515.89 2,615.76	-2,452.84 -2,552.83 -2,652.82	-479.53 -478.08	464,289.37 464,189.39 464,089.41	586,926.06 586,927.51 586,928.96	32.27613506 -10 32.27586020 -10 32.27558535 -10	4.05207236	0.00 0.00 0.00	0.00	0.00 0.00 0.00
	13,300.00 13,400.00	89.90 89.90	179.17 179.17	10,527.47 10,527.64	7,505.47 7,505.64	2,715.63 2,815.50	-2,752.81 -2,852.80	-476.63 -475.18	463,989.42 463,889.44	586,930.41 586,931.86	32.27531050 -10 32.27503565 -10	4.05206467	0.00	0.00	0.00
	13,500.00 13,600.00	89.90 89.90	179.17 179.17	10,527.81 10,527.98	7,505.81 7,505.98	2,915.36 3,015.23	-2,952.79 -3,052.78	-473.72 -472.27	463,789.46 463,689.48	586,933.32 586,934.77	32.27476080 -10 32.27448594 -10	4.05205313	0.00 0.00	0.00	0.00
	13,700.00 13,800.00	89.90 89.90	179.17 179.17	10,528.15 10,528.32	7,506.15 7,506.32	3,115.10 3,214.97	-3,152.76 -3,252.75	-470.82 -469.37	463,589.50 463,489.52	586,936.22 586,937.67	32.27421109 -10 32.27393624 -10	4.05204544	0.00	0.00	0.00
	13,900.00 14,000.00 14,100.00	89.90 89.90 89.90	179.17 179.17 179.17	10,528.49 10,528.65 10,528.82	7,506.49 7,506.65 7,506.82	3,314.84 3,414.71 3,514.58	-3,352.74 -3,452.73 -3,552.72	-467.92 -466.47 -465.02	463,389.54 463,289.56 463,189.58	586,939.12 586,940.57 586,942.02	32.27366139 -10 32.27338654 -10 32.27311168 -10	4.05203774	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	14,200.00 14,300.00	89.90 89.90	179.17 179.17 179.17	10,528.99 10,529.16	7,506.82 7,506.99 7,507.16	3,614.45 3,714.32	-3,652.72 -3,652.71 -3,752.70	-463.57 -462.12	463,089.60 462,989.62	586,943.47 586,944.92	32.27283683 -10 32.27256198 -10	4.05203005	0.00	0.00	0.00
	14,400.00 14,500.00	89.90 89.90	179.17 179.17	10,529.33 10,529.50	7,507.33 7,507.50	3,814.19 3,914.06	-3,852.69 -3,952.68	-460.67 -459.21	462,889.63 462,789.65	586,946.37 586,947.82	32.27228713 -10 32.27201228 -10	4.05202236	0.00	0.00	0.00
	14,600.00 14,700.00	89.90 89.90	179.17 179.17	10,529.67 10,529.84	7,507.67 7,507.84	4,013.93 4,113.80	-4,052.67 -4,152.66	-457.76 -456.31	462,689.67 462,589.69	586,949.27 586,950.73	32.27173742 -10 32.27146257 -10	4.05201082	0.00	0.00	0.00
	14,800.00 14,900.00 15.000.00	89.90 89.90 89.90	179.17 179.17 179.17	10,530.01 10,530.18 10,530.34	7,508.01 7,508.18 7.508.34	4,213.66 4,313.53 4.413.40	-4,252.65 -4,352.64 -4.452.63	-454.86 -453.41 -451.96	462,489.71 462,389.73 462,289.75	586,952.18 586,953.63 586,955.08	32.27118772 -10 32.27091287 -10 32.27063801 -10	4.05200313	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	15,100.00 15,100.00 15,200.00	89.90 89.90	179.17 179.17 179.17	10,530.54 10,530.51 10,530.68	7,508.54 7,508.51 7,508.68	4,513.27 4,613.14	-4,552.62 -4,652.60	-450.51 -449.06	462,189.77 462,089.79	586,956.53 586,957.98	32.27036316 -10 32.27036316 -10 32.27008831 -10	4.05199544	0.00	0.00	0.00
	15,300.00 15,400.00	89.90 89.90	179.17 179.17	10,530.85 10,531.02	7,508.85 7,509.02	4,713.01 4,812.88	-4,752.59 -4,852.58	-447.61 -446.16	461,989.81 461,889.83	586,959.43 586,960.88	32.26981346 -10 32.26953861 -10	4.05198775	0.00	0.00	0.00
	15,500.00 15,600.00	89.90 89.90	179.17 179.17	10,531.19 10,531.36	7,509.19 7,509.36	4,912.75 5,012.62	-4,952.57 -5,052.56	-444.71 -443.25	461,789.84 461,689.86	586,962.33 586,963.78	32.26926375 -10 32.26898890 -10	4.05197621	0.00	0.00	0.00
MP, Turn 2°/100ft	15,683.88 15,700.00 15.800.00	89.90 89.90 89.90	179.17 178.85 176.85	10,531.50 10,531.53	7,509.50 7,509.53	5,096.39 5,112.49	-5,136.43 -5,152.55 -5,252.47	-442.04 -441.76 -438.00	461,606.00 461,589.88 461,489.97	586,965.00 586,965.28 586,969.04	32.26875836 -10 32.26871405 -10 32.26843936 -10	4.05197222	0.00 2.00 2.00	0.00 0.00 0.00	0.00 -2.00 -2.00
Hold	15,900.00 15,900.00 15.978.60	89.90 89.90	174.85 173.27	10,531.70 10,531.87 10.532.01	7,509.70 7,509.87 7,510.01	5,212.45 5,312.44 5,390.98	-5,252.47 -5,352.21 -5.430.38	-430.76 -422.62	461,390.24 461,312.08	586,976.28 586,984.41	32.26816517 -10 32.26795024 -10	4.05193832	2.00 2.00 2.00	0.00	-2.00 -2.00 -2.00
100	16,000.00 16,100.00	89.90 89.90	173.27 173.27	10,532.04	7,510.04 7,510.22	5,412.35 5,512.22	-5,451.63 -5,550.95	-420.12 -408.41	461,290.82 461,191.52	586,986.92 586,998.63	32.26789180 -10 32.26761873 -10	4.05190475	0.00	0.00	0.00
	16,200.00 16,300.00	89.90 89.90	173.27 173.27	10,532.40 10,532.57	7,510.40 7,510.57	5,612.08 5,711.95	-5,650.26 -5,749.57	-396.69 -384.98	461,092.22 460,992.91	587,010.34 587,022.05	32.26734567 -10 32.26707261 -10	4.05179361	0.00	0.00	0.00
	16,400.00 16,500.00	89.90 89.90	173.27 173.27	10,532.75 10,532.92	7,510.75 7,510.92	5,811.81 5,911.68	-5,848.88 -5,948.19	-373.27 -361.56	460,893.61 460,794.31	587,033.76 587,045.47	32.26679954 -10 32.26652648 -10	4.05171953	0.00	0.00	0.00
	16,600.00 16,700.00 16,800.00	89.90 89.90 89.90	173.27 173.27 173.27	10,533.10 10,533.27 10,533.45	7,511.10 7,511.27 7,511.45	6,011.55 6,111.41 6,211.28	-6,047.50 -6,146.82 -6,246.13	-349.85 -338.14 -326.42	460,695.00 460,595.70 460,496.40	587,057.18 587,068.89 587,080.60	32.26625342 -10 32.26598035 -10 32.26570729 -10	4.05164544	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	16,900.00 17,000.00	89.90 89.90	173.27 173.27	10,533.62 10,533.80	7,511.62 7,511.80	6,311.14 6,411.01	-6,345.44 -6,444.75	-314.71 -303.00	460,397.09 460,297.79	587,092.31 587,104.02	32.26543423 -10 32.26516116 -10	4.05157135	0.00	0.00	0.00
	17,100.00 17,200.00	89.90 89.90	173.27 173.27	10,533.97 10,534.15	7,511.97 7,512.15	6,510.88 6,610.74	-6,544.06 -6,643.37	-291.29 -279.58	460,198.49 460,099.18	587,115.74 587,127.45	32.26488810 -10 32.26461503 -10	4.05146023	0.00 0.00	0.00	0.00
	17,300.00 17,400.00	89.90 89.90	173.27 173.27	10,534.32 10,534.50	7,512.32 7,512.50	6,710.61 6,810.47	-6,742.69 -6,842.00	-267.87 -256.15	459,999.88 459,900.58	587,139.16 587,150.87	32.26434197 -10 32.26406891 -10	4.05138614	0.00	0.00	0.00
	17,500.00 17,600.00 17,700.00	89.90 89.90 89.90	173.27 173.27 173.27	10,534.67 10,534.85 10,535.02	7,512.67 7,512.85 7,513.02	6,910.34 7,010.20 7,110.07	-6,941.31 -7,040.62 -7,139.93	-244.44 -232.73 -221.02	459,801.27 459,701.97 459,602.67	587,162.58 587,174.29 587,186.00	32.26379584 -10 32.26352278 -10 32.26324972 -10	4.05131206	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	17,800.00 17,900.00	89.90 89.90	173.27 173.27	10,535.20 10,535.37	7,513.20 7,513.37	7,209.94 7,309.80	-7,239.24 -7,338.56	-209.31 -197.60	459,503.36 459,404.06	587,197.71 587,209.42	32.26297665 -10 32.26270359 -10	4.05123798	0.00	0.00	0.00
	18,000.00 18,100.00	89.90 89.90	173.27 173.27	10,535.55 10,535.72	7,513.55 7,513.72	7,409.67 7,509.53	-7,437.87 -7,537.18	-185.88 -174.17	459,304.76 459,205.45	587,221.13 587,232.84	32.26243052 -10 32.26215746 -10	4.05116390 4.05112686	0.00	0.00	0.00
	18,200.00 18,300.00	89.90 89.90	173.27 173.27	10,535.90 10,536.07	7,513.90 7,514.07	7,609.40 7,709.27	-7,636.49 -7,735.80	-162.46 -150.75	459,106.15 459,006.85	587,244.55 587,256.26	32.26188440 -10 32.26161133 -10	4.05105278	0.00 0.00	0.00	0.00
	18,400.00 18,500.00	89.90 89.90	173.27 173.27	10,536.25 10,536.42	7,514.25 7,514.42	7,809.13 7,909.00	-7,835.11 -7,934.43 -8,033.74	-139.04 -127.33	458,907.54 458,808.24 458,708.94	587,267.97 587,279.68	32.26133827 -10 32.26106520 -10 32.26079214 -10	4.05097870	0.00	0.00 0.00 0.00	0.00
	18,600.00 18,700.00 18,800.00	89.90 89.90 89.90	173.27 173.27 173.27	10,536.60 10,536.77 10,536.95	7,514.60 7,514.77 7,514.95	8,008.86 8,108.73 8,208.60	-8,133.05 -8,232.36	-115.61 -103.90 -92.19	458,609.63 458,510.33	587,291.40 587,303.11 587,314.82	32.26051908 -10 32.26024601 -10	4.05090462	0.00 0.00 0.00	0.00	0.00 0.00 0.00
	18,900.00 19,000.00	89.90 89.90	173.27 173.27	10,537.12 10,537.30	7,515.12 7,515.30	8,308.46 8,408.33	-8,331.67 -8,430.98	-80.48 -68.77	458,411.03 458,311.72	587,326.53 587,338.24	32.25997295 -10 32.25969988 -10	4.05083054	0.00	0.00	0.00
	19,100.00 19,200.00	89.90 89.90	173.27 173.27	10,537.47 10,537.65	7,515.47 7,515.65	8,508.19 8,608.06	-8,530.30 -8,629.61	-57.06 -45.34	458,212.42 458,113.12	587,349.95 587,361.66	32.25942682 -10 32.25915375 -10	4.05071943	0.00 0.00	0.00	0.00
	19,300.00 19,400.00 19,500.00	89.90 89.90 89.90	173.27 173.27 173.27	10,537.82 10,538.00 10,538.17	7,515.82 7,516.00 7,516.17	8,707.93 8,807.79 8,907.66	-8,728.92 -8,828.23 -8,927.54	-33.63 -21.92 -10.21	458,013.81 457,914.51 457,815.21	587,373.37 587,385.08 587,396.79	32.25888069 -10 32.25860763 -10 32.25833456 -10	4.05064536	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	19,500.00 19,600.00 19,700.00	89.90 89.90 89.90	173.27 173.27 173.27	10,538.17 10,538.35 10,538.52	7,516.17 7,516.35 7,516.52	8,907.66 9,007.52 9,107.39	-8,927.54 -9,026.85 -9,126.17	-10.21 1.50 13.21	457,815.21 457,715.90 457,616.60	587,396.79 587,408.50 587,420.21	32.25833456 -10 32.25806150 -10 32.25778843 -10	4.05057128	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	19,800.00 19,800.00	89.90 89.90	173.27 173.27 173.27	10,538.52 10,538.70 10,538.87	7,516.52 7,516.70 7,516.87	9,107.39 9,207.25 9,307.12	-9,126.17 -9,225.48 -9,324.79	24.92 36.64	457,517.30 457,417.99	587,431.92 587,443.63	32.25751537 -10 32.25724230 -10	4.05049721	0.00	0.00	0.00
	20,000.00 20,100.00	89.90 89.90	173.27 173.27	10,539.05 10,539.22	7,517.05 7,517.22	9,406.99 9,506.85	-9,424.10 -9,523.41	48.35 60.06	457,318.69 457,219.39	587,455.34 587,467.05	32.25696924 -10 32.25669618 -10	4.05042314 4.05038610	0.00 0.00	0.00 0.00	0.00 0.00
	20,200.00 20,300.00	89.90 89.90	173.27 173.27	10,539.40 10,539.57	7,517.40 7,517.57	9,606.72 9,706.58	-9,622.72 -9,722.04	71.77 83.48	457,120.08 457,020.78	587,478.77 587,490.48	32.25642311 -10 32.25615005 -10	4.05031203	0.00	0.00	0.00
	20,400.00 20,500.00 20,600.00	89.90 89.90 89.90	173.27 173.27 173.27	10,539.75 10,539.93 10,540.10	7,517.75 7,517.93 7,518.10	9,806.45 9,906.32 10.006.18	-9,821.35 -9,920.66 -10.019.97	95.19 106.91 118.62	456,921.48 456,822.17 456,722.87	587,502.19 587,513.90 587,525.61	32.25587698 -10 32.25560392 -10 32.25533085 -10	4.05023796	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
LTP Cross	20,600.00 20,697.52 20,700.00	89.90 89.90 89.90	173.27 173.27 173.27	10,540.10 10,540.27 10,540.28	7,518.10 7,518.27 7,518.28	10,006.18 10,103.57 10,106.05	-10,019.97 -10,116.82 -10,119.28	118.62 130.04 130.33	456,722.87 456,626.03 456,623.57	587,525.61 587,537.03 587,537.32	32.25533085 -10 32.25506456 -10 32.25505779 -10	4.05016481	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00
	20,800.00 20,900.00	89.90 89.90	173.27 173.27	10,540.45 10,540.63	7,518.45 7,518.63	10,205.91 10,305.78	-10,218.59 -10,317.91	142.04 153.75	456,524.27 456,424.96	587,549.03 587,560.74	32.25478472 -10 32.25451166 -10	4.05012686	0.00	0.00	0.00

CB Tano 26 35 Fee 11 No. 602H / CB Tano 26 35 Fee 11 No. 602H R1 mdv 23Feb23

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
CB Tano 36 35 Fee 11 No. 602H BHL	21,000.00 21,004.69	89.90 89.90	173.27 173.27	10,540.80 10,540.81	7,518.80 7,518.81	10,405.65 10,410.33	-10,417.22 -10,421.88	165.46 166.01	456,325.66 456,321.00	587,572.45 587,573.00		-104.05005279 -104.05005105	0.00 0.00	0.00	0.00
Survey Type:	Def F	Plan													
Survey Error Model: Survey Program:	ISCV	VSA0 3 sigma													
Description		Part	MD From	MD To	EOU Freq	Hole Size (in)	asing Diameter (in)	Expected Max Inclination	Survey Tool 1	Гуре	Borehole	Survey			

0.000 21,095.726

B001Mb\_MWD+HRGM

SLB-Private

#### 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.