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

Form C-101
August 1, 2011

Permit 330159

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

1. Operator Name and Address	2. OGRID Number
CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	4323
	3. API Number 30-015-53168

4. Property Code	5. Property Name	6. Well No.
327020	CB CAL 25 36 STATE COM 08	104H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	26	23S	28E		879	N	436	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
N	36	23S	28E	N	25	S	1650	W	Eddy

9. Pool Information

CULEBRA BLUFF;BONE SPRING, SOUTH	15011

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		Private	2992
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	17879	1st Bone Spring Sand		4/1/2022
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	2697	424	0
Int2	8.75	7	29	6645	429	2497
Prod	6.125	5	18	7650	757	6495
Prod	6.125	4.5	11.6	17879	757	6495

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	6650	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 DIVISION**	
Printed Name:	Electronically filed by Cindy Herrera-Murillo	Approved By:	Katherine Pickford
Title:	Sr. HES Regulatory Affairs Coordinator	Title:	Geoscientist
Email Address:	eeof@chevron.com	Approved Date:	12/14/2022 Expiration Date: 12/14/2024
Date:	12/6/2022 Phone: 575-263-0431	Conditions of Approval Attached	

District I
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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
30-015-53168	15011	CULEBRA BLUFF;BONE SPRING SOUTH

[4] Property Code	[5] Property Name	[6] Well Number
327020	CB CAL 25 36 STATE COM 08	104H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	+2992'

[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
A	26	23 SOUTH	28 EAST, N.M.P.M.		879'	NORTH	436'	EAST	EDDY

[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
N	36	23 SOUTH	28 EAST, N.M.P.M.		25'	SOUTH	1650'	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320	INFILL		R-21229

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.

[16]

CB CAL 25 36 STATE COM 08 NO. 104H WELL
X = 587,453' (NAD27 NM E)
Y = 466,151'
LAT. 32.281249° N (NAD27)
LONG. 104.050356° W
X = 628,636' (NAD83/86 NM E)
Y = 466,210'
LAT. 32.281371° N (NAD83/86)
LONG. 104.050849° W
ELEV. +2992' (NAVD88)

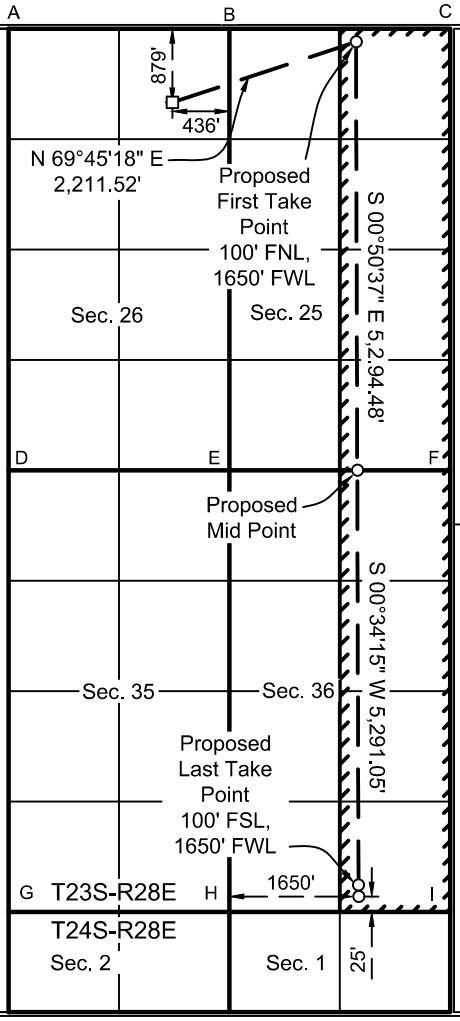
PROPOSED FIRST TAKE POINT
X = 589,528' (NAD27 NM E)
Y = 466,916'
LAT. 32.283338° N (NAD27)
LONG. 104.043636° W
X = 630,711' (NAD83/86 NM E)
Y = 466,976'
LAT. 32.283459° N (NAD83/86)
LONG. 104.044129° W

PROPOSED MID POINT
X = 589,606' (NAD27 NM E)
Y = 461,623'
LAT. 32.268785° N (NAD27)
LONG. 104.043430° W
X = 630,789' (NAD83/86 NM E)
Y = 461,682'
LAT. 32.268906° N (NAD83/86)
LONG. 104.043922° W

PROPOSED LAST TAKE POINT
X = 589,554' (NAD27 NM E)
Y = 456,407'
LAT. 32.254447° N (NAD27)
LONG. 104.043643° W
X = 630,737' (NAD83/86 NM E)
Y = 456,466'
LAT. 32.254569° N (NAD83/86)
LONG. 104.044135° W

CORNER COORDINATES TABLE (NAD 27)
A - Y=467,022.29, X=585,218.06
B - Y=467,031.96, X=587,875.81
C - Y=467,006.94, X=590,546.56
D - Y=461,595.37, X=585,300.90
E - Y=461,611.64, X=587,955.45
F - Y=461,629.03, X=590,580.23
G - Y=456,285.35, X=585,253.75
H - Y=456,297.71, X=587,902.50
I - Y=456,312.26, X=590,550.00

PROPOSED BOTTOM HOLE LOCATION
X = 589,553' (NAD27 NM E)
Y = 456,332'
LAT. 32.254241° N (NAD27)
LONG. 104.043646° W
X = 630,736' (NAD83/86 NM E)
Y = 456,391'
LAT. 32.254363° N (NAD83/86)
LONG. 104.044138° W



[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.

Carol Adler 12/2/2022
Signature Date

Carol Adler
Printed Name

caroladler@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.

Date of Survey

Signature and Seal of Professional Surveyor

ROBERT L. LASTRAPES
NEW MEXICO
23006
PROFESSIONAL SURVEYOR

Certificate Number 11/03/2022

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

Form APD Conditions

Permit 330159

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-015-53168
	Well: CB CAL 25 36 STATE COM 08 #104H

OCD Reviewer	Condition
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	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
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	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

BLOWOUT PREVENTER SCHEMATIC

Operation: Intermediate/Production Hole Section	
Minimum System operation pressure	10,000 psi

BOP Stack

Part	Size	Pressure Rating	Description
A	13-5/8"	N/A	Rotating Head/Bell nipple
B	13-5/8"	10,000	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

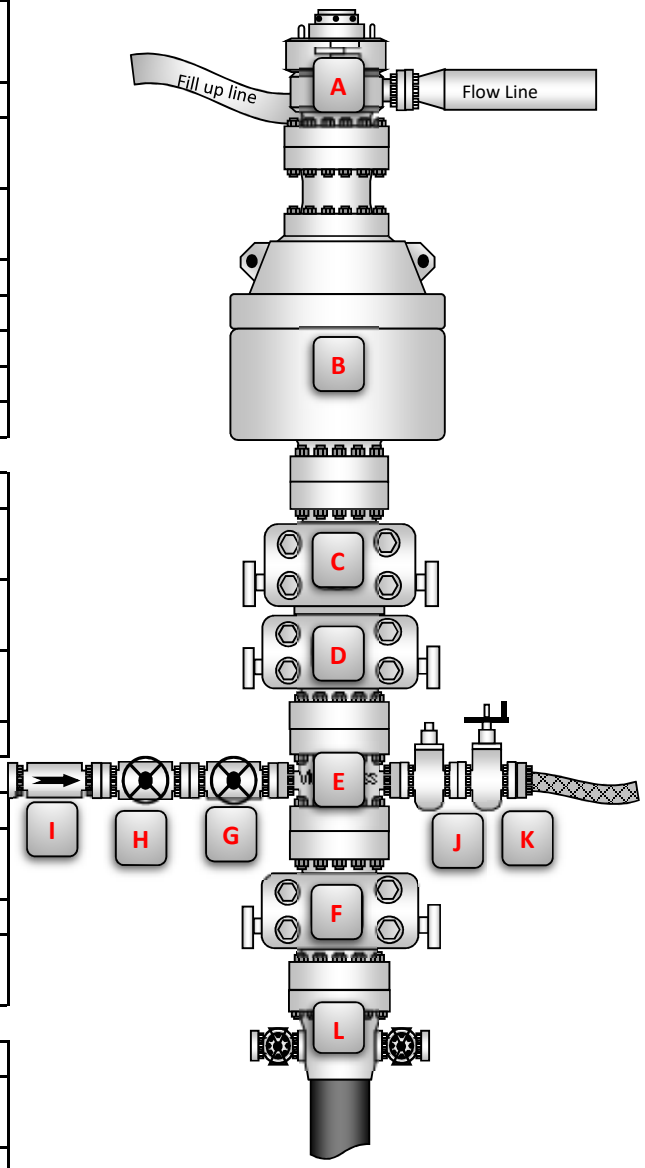
Part	Size	Pressure Rating	Description
G	2"	10,000	Inside Kill Line Valve (gate valve)
H	2"	10,000	Outside Kill Line Valve (gate valve)
I	2"	10,000	Kill Line Check valve

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"	10,000	FMC 5M/10M wellhead



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

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

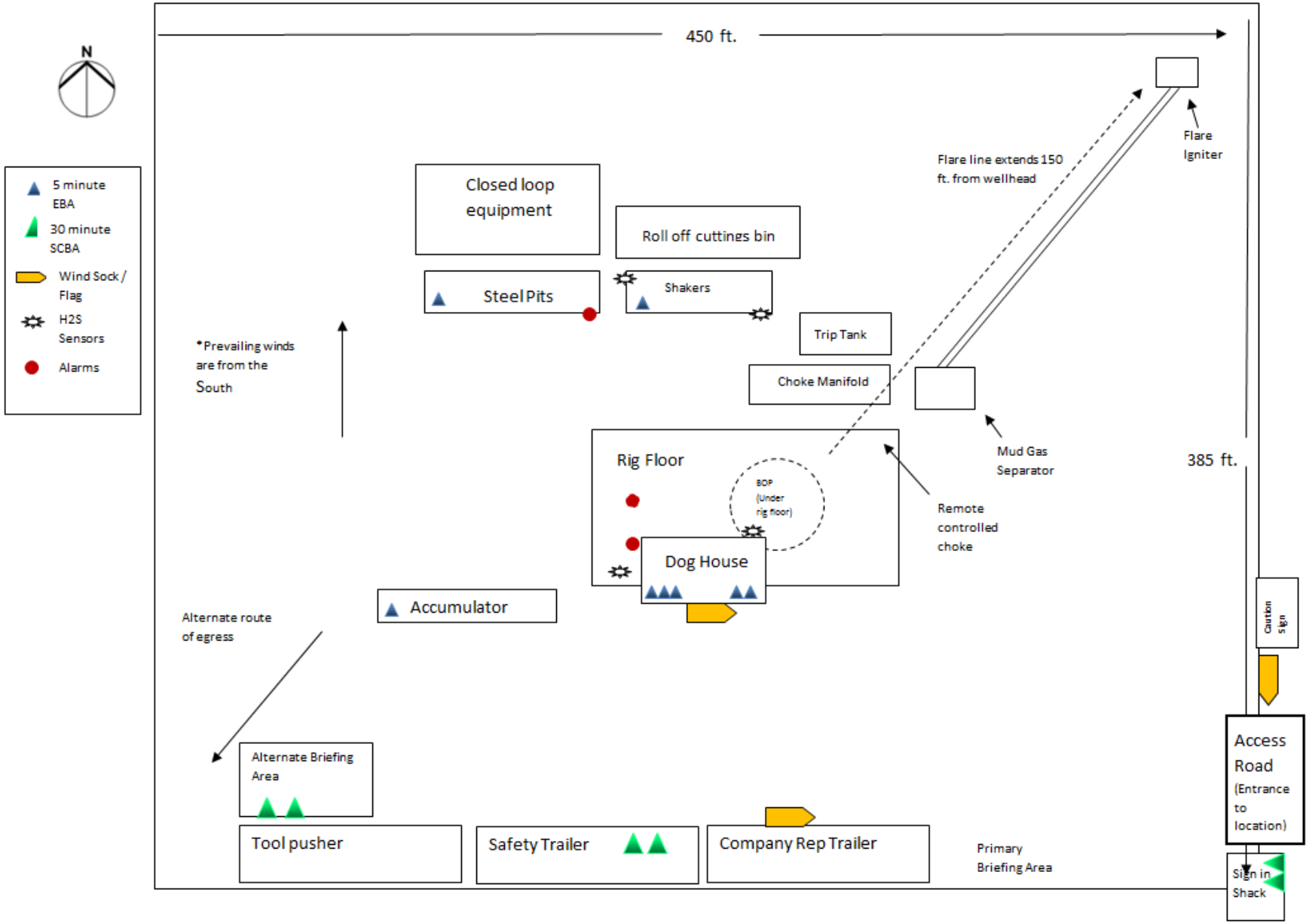
H_2S Preparedness and Contingency Plan Summary

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



State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Chevron USA **OGRID:** 4323 **Date:** 10 / 31 / 22

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): 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	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
CB TANO 26 35 FEE 11 101H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 536' FEL	1700 BBL/D	7400 MCF/D	2800 BBL/D
CB TANO 26 35 FEE 11 102H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 511' FEL	1700 BBL/D	7400 MCF/D	2800 BBL/D
CB CAL 25 36 STATE COM 08 103H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 486' FEL	1700 BBL/D	7400 MCF/D	2800 BBL/D
CB CAL 25 36 STATE COM 08 201H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 461' FEL	900 BBL/D	1400 MCF/D	2800 BBL/D
CB CAL 25 36 STATE COM 08 104H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 436' FEL	1700 BBL/D	7400 MCF/D	2800 BBL/D
CB CAL 25 36 STATE COM 08 202H	*Pending*	UL:A, Sec 26, T23S-R28E	879' FNL, 411' FEL	900 BBL/D	1400 MCF/D	2800 BBL/D

IV. Central Delivery Point Name: Culebra Bluff Central CTB (Section 23) [See 19.15.27.9(D)(1) NMAC]

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
CB TANO 26 35 FEE 11 101H	*Pending*	February 2024	N/A	N/A	N/A	N/A
CB TANO 26 35 FEE 11 102H	*Pending*	February 2024	N/A	N/A	N/A	N/A

CB CAL 25 36 STATE COM 08 103H	*Pending*	February 2024	N/A	N/A	N/A	N/A
CB CAL 25 36 STATE COM 08 201H	*Pending*	February 2024	N/A	N/A	N/A	N/A
CB CAL 25 36 STATE COM 08 104H	*Pending*	February 2024	N/A	N/A	N/A	N/A
CB CAL 25 36 STATE COM 08 202H	*Pending*	February 2024	N/A	N/A	N/A	N/A

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

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

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

XI. Map. ☐ 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 ☐ will ☐ 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 ☐ does ☐ 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.

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:

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

Section 4 - Notices

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

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

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

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

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

Signature: Carol Adler
Printed Name: Carol Adler
Title: Sr. HSE Regulatory Affairs Coordinator
E-mail Address: caroladler@chevron.com
Date: 8/23/2021
Phone: (432) 687-7148

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

Schlumberger

CB Cal 25 36 State Com 08 No. 104H R0 mdv 14Nov22 Proposal Geodetic Report

(Def Plan)

Chevron

Report Date:	November 16, 2022 - 11:40 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	179.860 ° (Grid North)
Field:	NM, Eddy County (NAD 27 EZ)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron CB Pad 18 / 104H	**TVD Reference Datum:**	RKB=28ft
Well:	CB Cal 25 36 State Com 08 No. 104H	**TVD Reference Elevation:**	3020.000 ft above MSL
Borehole:	CB Cal 25 36 State Com 08 No. 104H	**Seabed / Ground Elevation:**	2992.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.748 °
Survey Name:	CB Cal 25 36 State Com 08 No. 104H R0 mdv 14Nov22	**Total Gravity Field Strength:**	998.4735mgn (9.80665 Based)
Survey Date:	November 14, 2022	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	121.353 ° / 12709.167 ft / 6.576 / 1.709	**Total Magnetic Field Strength:**	47547.752 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.921 °
Location Lat / Long:	N 32° 16' 52.49553", W 104° 3' 1.27937"	**Declination Date:**	November 14, 2022
Location Grid N/E Y/X:	N 466151.000 ftUS, E 587453.000 ftUS	**Magnetic Declination Model:**	HDGM 2022
CRS Grid Convergence Angle:	0.1511 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99991785	**Grid Convergence Used:**	0.1511 °
Version / Patch:	2.10.833.1	**Total Corr Mag North->Grid North:**	6.5964 °
		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 (N/S ° ' ")	Longitude (E/W ° ' ")
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	100.00	0.00	66.43	100.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	200.00	0.00	66.43	200.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	300.00	0.00	66.43	300.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	400.00	0.00	66.43	400.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	500.00	0.00	66.43	500.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
Build 1.5°/100ft	600.00	0.00	66.43	600.00	0.00	0.00	0.00	0.00	466151.00	587453.00	N 32 16 52.50	W 104 3 1.28
	700.00	1.50	66.43	699.99	-0.52	0.52	1.20	1.50	466151.52	587454.20	N 32 16 52.50	W 104 3 1.27
	800.00	3.00	66.43	799.91	-2.08	2.09	4.80	1.50	466153.09	587457.80	N 32 16 52.52	W 104 3 1.22
	900.00	4.50	66.43	899.69	-4.68	4.71	10.79	1.50	466155.71	587463.79	N 32 16 52.54	W 104 3 1.15
	1000.00	6.00	66.43	999.27	-8.32	8.37	19.18	1.50	466159.36	587472.18	N 32 16 52.58	W 104 3 1.06
Castile (CSTL)	*1036.97*	*6.55*	*66.43*	*1036.02*	*-9.93*	*9.98*	*22.89*	*1.50*	*466160.98*	*587475.88*	*N 32 16 52.59*	*W 104 3 1.01*
	1100.00	7.50	66.43	1098.57	-12.99	13.06	29.95	1.50	466164.06	587482.95	N 32 16 52.62	W 104 3 0.93
	1200.00	9.00	66.43	1197.54	-18.70	18.80	43.11	1.50	466169.80	587496.10	N 32 16 52.68	W 104 3 0.78
	1300.00	10.50	66.43	1296.09	-25.43	25.57	58.63	1.50	466176.57	587511.62	N 32 16 52.75	W 104 3 0.60
	1400.00	12.00	66.43	1394.16	-33.18	33.37	76.51	1.50	466184.37	587529.50	N 32 16 52.82	W 104 3 0.39
	1500.00	13.50	66.43	1491.70	-41.96	42.19	96.74	1.50	466193.19	587549.73	N 32 16 52.91	W 104 3 0.15
	1600.00	15.00	66.43	1588.62	-51.74	52.03	119.30	1.50	466203.03	587572.29	N 32 16 53.01	W 104 2 59.89
	1700.00	16.50	66.43	1684.86	-62.53	62.89	144.18	1.50	466213.88	587597.17	N 32 16 53.11	W 104 2 59.60
	1800.00	18.00	66.43	1780.36	-74.32	74.74	171.36	1.50	466225.74	587624.35	N 32 16 53.23	W 104 2 59.28
	1900.00	19.50	66.43	1875.05	-87.10	87.59	200.82	1.50	466238.59	587653.81	N 32 16 53.36	W 104 2 58.94
Hold	1913.01	19.70	66.43	1887.31	-88.84	89.34	204.82	1.50	466240.33	587657.80	N 32 16 53.37	W 104 2 58.89
	2000.00	19.70	66.43	1969.21	-100.49	101.06	231.69	0.00	466252.05	587684.67	N 32 16 53.49	W 104 2 58.58
	2100.00	19.70	66.43	2063.36	-113.89	114.53	262.58	0.00	466265.52	587715.56	N 32 16 53.62	W 104 2 58.22
	2200.00	19.70	66.43	2157.51	-127.29	128.01	293.48	0.00	466278.99	587746.45	N 32 16 53.75	W 104 2 57.86
	2300.00	19.70	66.43	2251.66	-140.69	141.48	324.37	0.00	466292.47	587777.34	N 32 16 53.89	W 104 2 57.50
	2400.00	19.70	66.43	2345.81	-154.08	154.95	355.26	0.00	466305.94	587808.23	N 32 16 54.02	W 104 2 57.14
	2500.00	19.70	66.43	2439.96	-167.48	168.43	386.15	0.00	466319.41	587839.12	N 32 16 54.15	W 104 2 56.78
	2600.00	19.70	66.43	2534.11	-180.88	181.90	417.04	0.00	466332.89	587870.00	N 32 16 54.28	W 104 2 56.42
	2700.00	19.70	66.43	2628.25	-194.28	195.37	447.93	0.00	466346.36	587900.89	N 32 16 54.42	W 104 2 56.06
Lamar (LMAR)	*2716.78*	*19.70*	*66.43*	*2644.05*	*-196.53*	*197.63*	*453.11*	*0.00*	*466348.62*	*587906.08*	*N 32 16 54.44*	*W 104 2 56.00*
Bell Canyon (BLCN)	*2744.20*	*19.70*	*66.43*	*2669.87*	*-200.20*	*201.33*	*461.58*	*0.00*	*466352.31*	*587914.55*	*N 32 16 54.48*	*W 104 2 55.90*
	2800.00	19.70	66.43	2722.40	-207.68	208.85	478.82	0.00	466359.83	587931.78	N 32 16 54.55	W 104 2 55.70
	2900.00	19.70	66.43	2816.55	-221.08	222.32	509.71	0.00	466373.30	587962.67	N 32 16 54.68	W 104 2 55.34
	3000.00	19.70	66.43	2910.70	-234.47	235.80	540.60	0.00	466386.78	587993.56	N 32 16 54.81	W 104 2 54.98
	3100.00	19.70	66.43	3004.85	-247.87	249.27	571.49	0.00	466400.25	588024.45	N 32 16 54.95	W 104 2 54.62
	3200.00	19.70	66.43	3099.00	-261.27	262.74	602.39	0.00	466413.72	588055.34	N 32 16 55.08	W 104 2 54.25
	3300.00	19.70	66.43	3193.15	-274.67	276.22	633.28	0.00	466427.19	588086.22	N 32 16 55.21	W 104 2 53.89
	3400.00	19.70	66.43	3287.30	-288.07	289.69	664.17	0.00	466440.67	588117.11	N 32 16 55.34	W 104 2 53.53
	3500.00	19.70	66.43	3381.45	-301.46	303.16	695.06	0.00	466454.14	588148.00	N 32 16 55.48	W 104 2 53.17
	3600.00	19.70	66.43	3475.60	-314.86	316.64	725.95	0.00	466467.61	588178.89	N 32 16 55.61	W 104 2 52.81
Cherry Canyon (CRCN)	*3643.49*	*19.70*	*66.43*	*3516.55*	*-320.69*	*322.50*	*739.38*	*0.00*	*466473.47*	*588192.32*	*N 32 16 55.67*	*W 104 2 52.66*
	3700.00	19.70	66.43	3569.75	-328.26	330.11	756.84	0.00	466481.08	588209.78	N 32 16 55.74	W 104 2 52.45
	3800.00	19.70	66.43	3663.90	-341.66	343.59	787.73	0.00	466494.56	588240.67	N 32 16 55.87	W 104 2 52.09
	3900.00	19.70	66.43	3758.05	-355.06	357.06	818.62	0.00	466508.03	588271.55	N 32 16 56.01	W 104 2 51.73
	4000.00	19.70	66.43	3852.20	-368.46	370.53	849.51	0.00	466521.50	588302.44	N 32 16 56.14	W 104 2 51.37
	4100.00	19.70	66.43	3946.35	-381.85	384.01	880.40	0.00	466534.97	588333.33	N 32 16 56.27	W 104 2 51.01
	4200.00	19.70	66.43	4040.50	-395.25	397.48	911.30	0.00	466548.45	588364.22	N 32 16 56.40	W 104 2 50.65
	4300.00	19.70	66.43	4134.65	-408.65	410.95	942.19	0.00	466561.92	588395.11	N 32 16 56.54	W 104 2 50.29
	4400.00	19.70	66.43	4228.80	-422.05	424.43	973.08	0.00	466575.39	588426.00	N 32 16 56.67	W 104 2 49.93
	4500.00	19.70	66.43	4322.95	-435.45	437.90	1003.97	0.00	466588.86	588456.88	N 32 16 56.80	W 104 2 49.57
	4600.00	19.70	66.43	4417.10	-448.85	451.38	1034.86	0.00	466602.34	588487.77	N 32 16 56.93	W 104 2 49.21
	4700.00	19.70	66.43	4511.25	-462.24	464.85	1065.75	0.00	466615.81	588518.66	N 32 16 57.07	W 104 2 48.85
	4800.00	19.70	66.43	4605.40	-475.64	478.32	1096.64	0.00	466629.28	588549.55	N 32 16 57.20	W 104 2 48.49
	4900.00	19.70	66.43	4699.55	-489.04	491.80	1127.53	0.00	466642.76	588580.44	N 32 16 57.33	W 104 2 48.13
Brushy Canyon (BCN)	*4955.72*	*19.70*	*66.43*	*4752.01*	*-496.50*	*499.30*	*1144.74*	*0.00*	*466650.26*	*588597.65*	*N 32 16 57.41*	*W 104 2 47.93*
	5000.00	19.70	66.43	4793.70	-502.44	505.27	1158.42	0.00	466656.23	588611.33	N 32 16 57.46	W 104 2 47.77
	5100.00	19.70	66.43	4887.85	-515.84	518.74	1189.31	0.00	466669.70	588642.21	N 32 16 57.60	W 104 2 47.41
	5200.00	19.70	66.43	4982.00	-529.23	532.22	1220.21	0.00	466683.17	588673.10	N 32 16 57.73	W 104 2 47.05
	5300.00	19.70	66.43	5076.15	-542.63	545.69	1251.10	0.00	466696.65	588703.99	N 32 16 57.86	W 104 2 46.69
	5400.00	19.70	66.43	5170.30	-556.03	559.17	1281.99	0.00	466710.12	588734.88	N 32 16 57.99	W 104 2 46.33
	5500.00	19.70	66.43	5264.45	-569.43	572.64	1312.88	0.00	466723.59	588765.77	N 32 16 58.13	W 104 2 45.97
	5600.00	19.70	66.43	5358.60	-582.83	586.11	1343.77	0.00	466737.06	588796.66	N 32 16 58.26	W 104 2 45.61
	5700.00	19.70	66.43	5452.75	-596.23	599.59	1374.66	0.00	466750.54	588827.55	N 32 16 58.39	W 104 2 45.25
	5800.00	19.70	66.43	5546.90	-609.62	613.06	1405.55	0.00	466764.01	588858.43	N 32 16 58.52	W 104 2 44.89
	5900.00	19.70	66.43	5641.05	-623.02	626.53	1436.44	0.00	466777.48	588889.32	N 32 16 58.66	W 104 2 44.53
	6000.00	19.70	66.43	5735.20	-636.42	640.01	1467.33	0.00	466790.95	588920.21	N 32 16 58.79	W 104 2 44.17
	6100.00	19.70	66.43	5829.35	-649.82	653.48	1498.22	0.00	466804.43	588951.10	N 32 16 58.92	W 104 2 43.81
	6200.00	19.70	66.43	5923.50	-663.22	666.96	1529.12	0.00	466817.90	588981.99	N 32 16 59.06	W 104 2 43.45
	6300.00	19.70	66.43	6017.65	-676.61	680.43	1560.01	0.00	466831.37	589012.88	N 32 16 59.19	W 104 2 43.09
	6400.00	19.70	66.43	6111.80	-690.01	693.90	1590.90	0.00	466844.84	589043.76	N 32 16 59.32	W 104 2 42.73
	6500.00	19.70	66.43	6205.95	-703.41	707.38	1621.79	0.00	466858.32	589074.65	N 32 16 59.45	W 104 2 42.37
	6600.00	19.70	66.43	6300.10	-716.81	720.85	1652.68	0.00	466871.79	589105.54	N 32 16 59.59	W 104 2 42.01
Bone Spring Lime (BSGL)	*6620.34*	*19.70*	*66.43*	*6319.25*	*-719.53*	*723.59*	*1658.96*	*0.00*	*466874.53*	*589111.82*	*N 32 16 59.61*	*W 104 2 41.93*

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Avalon Upper (AVU)	*6674.99*	*19.70*	*66.43*	*6370.70*	*-726.86*	*730.95*	*1675.84*	*0.00*	*466881.89*	*589128.70*	*N 32 16 59.68*	*W 104 2 41.74*
	6700.00	19.70	66.43	6394.25	-730.21	734.32	1683.57	0.00	466885.26	589136.43	N 32 16 59.72	W 104 2 41.65
	6800.00	19.70	66.43	6488.40	-743.61	747.80	1714.46	0.00	466898.73	589167.32	N 32 16 59.85	W 104 2 41.29
	6900.00	19.70	66.43	6582.55	-757.00	761.27	1745.35	0.00	466912.21	589198.21	N 32 16 59.98	W 104 2 40.93
	7000.00	19.70	66.43	6676.70	-770.40	774.75	1776.24	0.00	466925.68	589229.09	N 32 17 0.12	W 104 2 40.57
	7100.00	19.70	66.43	6770.85	-783.80	788.22	1807.13	0.00	466939.15	589259.98	N 32 17 0.25	W 104 2 40.21
Build/Turn 10 DLS	7150.19	19.70	66.43	6818.11	-790.53	794.98	1822.64	0.00	466945.91	589275.49	N 32 17 0.31	W 104 2 40.02
	7200.00	18.78	81.33	6865.16	-795.05	799.55	1838.27	10.00	466950.48	589291.11	N 32 17 0.36	W 104 2 39.84
Avalon Lower (AVL)	*7281.08*	*19.93*	*105.72*	*6941.78*	*-793.21*	*797.77*	*1864.51*	*10.00*	*466948.70*	*589317.36*	*N 32 17 0.34*	*W 104 2 39.54*
	7300.00	20.64	110.79	6959.53	-791.13	795.71	1870.74	10.00	466946.64	589323.58	N 32 17 0.32	W 104 2 39.46
	7400.00	26.31	131.71	7051.37	-770.00	774.65	1903.85	10.00	466925.59	589356.69	N 32 17 0.11	W 104 2 39.08
FTP Cross	*7428.73*	*28.36*	*136.09*	*7076.90*	*-760.82*	*765.50*	*1913.33*	*10.00*	*466916.44*	*589366.17*	*N 32 17 0.02*	*W 104 2 38.97*
	7500.00	33.93	144.74	7137.90	-732.29	737.03	1936.58	10.00	466887.97	589389.42	N 32 16 59.74	W 104 2 38.70
	7600.00	42.45	153.26	7216.49	-679.16	683.97	1967.96	10.00	466834.91	589420.79	N 32 16 59.21	W 104 2 38.34
	7700.00	51.42	159.33	7284.74	-612.21	617.10	1997.02	10.00	466768.04	589449.85	N 32 16 58.55	W 104 2 38.00
	7800.00	60.63	164.02	7340.58	-533.49	538.44	2022.87	10.00	466689.39	589475.70	N 32 16 57.77	W 104 2 37.70
First Bone Spring Upper (FBU)	*7862.45*	*66.46*	*166.53*	*7368.39*	*-479.40*	*484.38*	*2037.05*	*10.00*	*466635.34*	*589489.87*	*N 32 16 57.23*	*W 104 2 37.54*
	7900.00	69.98	167.93	7382.32	-445.38	450.38	2044.75	10.00	466601.34	589497.57	N 32 16 56.90	W 104 2 37.45
	8000.00	79.41	171.39	7408.69	-350.56	355.60	2061.97	10.00	466506.57	589514.79	N 32 16 55.96	W 104 2 37.25
	8100.00	88.87	174.65	7418.88	-251.91	256.98	2074.01	10.00	466407.96	589526.84	N 32 16 54.98	W 104 2 37.11
Landing Point, Turn 2°/100ft	8110.94	89.91	175.00	7419.00	-241.02	246.09	2075.00	10.00	466397.07	589527.83	N 32 16 54.88	W 104 2 37.10
	8200.00	89.91	176.78	7419.14	-152.17	157.26	2081.38	2.00	466308.25	589534.21	N 32 16 54.00	W 104 2 37.03
	8300.00	89.91	178.78	7419.30	-52.25	57.34	2085.25	2.00	466208.34	589538.08	N 32 16 53.01	W 104 2 36.99
Hold	8318.54	89.91	179.15	7419.33	-33.71	38.80	2085.59	2.00	466189.80	589538.41	N 32 16 52.82	W 104 2 36.99
	8400.00	89.91	179.15	7419.45	47.75	-42.65	2086.79	0.00	466108.36	589539.62	N 32 16 52.02	W 104 2 36.97
	8500.00	89.91	179.15	7419.61	147.74	-142.64	2088.27	0.00	466008.38	589541.10	N 32 16 51.03	W 104 2 36.96
	8600.00	89.91	179.15	7419.77	247.73	-242.62	2089.75	0.00	465908.40	589542.58	N 32 16 50.04	W 104 2 36.95
	8700.00	89.91	179.15	7419.93	347.72	-342.61	2091.23	0.00	465808.41	589544.06	N 32 16 49.05	W 104 2 36.93
	8800.00	89.91	179.15	7420.08	447.71	-442.60	2092.71	0.00	465708.43	589545.54	N 32 16 48.06	W 104 2 36.92
	8900.00	89.91	179.15	7420.24	547.71	-542.59	2094.19	0.00	465608.45	589547.02	N 32 16 47.07	W 104 2 36.90
	9000.00	89.91	179.15	7420.40	647.70	-642.58	2095.67	0.00	465508.47	589548.50	N 32 16 46.08	W 104 2 36.89
	9100.00	89.91	179.15	7420.55	747.69	-742.57	2097.15	0.00	465408.49	589549.98	N 32 16 45.09	W 104 2 36.88
	9200.00	89.91	179.15	7420.71	847.68	-842.56	2098.63	0.00	465308.51	589551.46	N 32 16 44.10	W 104 2 36.86
	9300.00	89.91	179.15	7420.87	947.68	-942.55	2100.11	0.00	465208.53	589552.93	N 32 16 43.11	W 104 2 36.85
	9400.00	89.91	179.15	7421.02	1047.67	-1042.54	2101.59	0.00	465108.55	589554.41	N 32 16 42.12	W 104 2 36.83
	9500.00	89.91	179.15	7421.18	1147.66	-1142.53	2103.07	0.00	465008.57	589555.89	N 32 16 41.13	W 104 2 36.82
	9600.00	89.91	179.15	7421.34	1247.65	-1242.51	2104.55	0.00	464908.59	589557.37	N 32 16 40.14	W 104 2 36.81
	9700.00	89.91	179.15	7421.50	1347.65	-1342.50	2106.03	0.00	464808.61	589558.85	N 32 16 39.16	W 104 2 36.79
	9800.00	89.91	179.15	7421.65	1447.64	-1442.49	2107.51	0.00	464708.63	589560.33	N 32 16 38.17	W 104 2 36.78
	9900.00	89.91	179.15	7421.81	1547.63	-1542.48	2108.99	0.00	464608.65	589561.81	N 32 16 37.18	W 104 2 36.76
	10000.00	89.91	179.15	7421.97	1647.62	-1642.47	2110.47	0.00	464508.67	589563.29	N 32 16 36.19	W 104 2 36.75
	10100.00	89.91	179.15	7422.12	1747.61	-1742.46	2111.95	0.00	464408.69	589564.77	N 32 16 35.20	W 104 2 36.73
	10200.00	89.91	179.15	7422.28	1847.61	-1842.45	2113.43	0.00	464308.71	589566.25	N 32 16 34.21	W 104 2 36.72
	10300.00	89.91	179.15	7422.44	1947.60	-1942.44	2114.91	0.00	464208.73	589567.73	N 32 16 33.22	W 104 2 36.71
	10400.00	89.91	179.15	7422.60	2047.59	-2042.43	2116.39	0.00	464108.75	589569.21	N 32 16 32.23	W 104 2 36.69
	10500.00	89.91	179.15	7422.75	2147.58	-2142.41	2117.87	0.00	464008.77	589570.69	N 32 16 31.24	W 104 2 36.68
	10600.00	89.91	179.15	7422.91	2247.58	-2242.40	2119.35	0.00	463908.79	589572.17	N 32 16 30.25	W 104 2 36.66
	10700.00	89.91	179.15	7423.07	2347.57	-2342.39	2120.83	0.00	463808.80	589573.65	N 32 16 29.26	W 104 2 36.65
	10800.00	89.91	179.15	7423.22	2447.56	-2442.38	2122.31	0.00	463708.82	589575.13	N 32 16 28.27	W 104 2 36.64
	10900.00	89.91	179.15	7423.38	2547.55	-2542.37	2123.79	0.00	463608.84	589576.61	N 32 16 27.28	W 104 2 36.62
	11000.00	89.91	179.15	7423.54	2647.54	-2642.36	2125.27	0.00	463508.86	589578.09	N 32 16 26.29	W 104 2 36.61
	11100.00	89.91	179.15	7423.69	2747.54	-2742.35	2126.75	0.00	463408.88	589579.57	N 32 16 25.30	W 104 2 36.59
	11200.00	89.91	179.15	7423.85	2847.53	-2842.34	2128.23	0.00	463308.90	589581.05	N 32 16 24.31	W 104 2 36.58
	11300.00	89.91	179.15	7424.01	2947.52	-2942.33	2129.71	0.00	463208.92	589582.53	N 32 16 23.32	W 104 2 36.57
	11400.00	89.91	179.15	7424.17	3047.51	-3042.31	2131.19	0.00	463108.94	589584.01	N 32 16 22.33	W 104 2 36.55
	11500.00	89.91	179.15	7424.32	3147.51	-3142.30	2132.67	0.00	463008.96	589585.49	N 32 16 21.35	W 104 2 36.54
	11600.00	89.91	179.15	7424.48	3247.50	-3242.29	2134.15	0.00	462908.98	589586.97	N 32 16 20.36	W 104 2 36.52
	11700.00	89.91	179.15	7424.64	3347.49	-3342.28	2135.63	0.00	462809.00	589588.45	N 32 16 19.37	W 104 2 36.51
	11800.00	89.91	179.15	7424.79	3447.48	-3442.27	2137.11	0.00	462709.02	589589.93	N 32 16 18.38	W 104 2 36.50
	11900.00	89.91	179.15	7424.95	3547.47	-3542.26	2138.59	0.00	462609.04	589591.41	N 32 16 17.39	W 104 2 36.48
	12000.00	89.91	179.15	7425.11	3647.47	-3642.25	2140.07	0.00	462509.06	589592.89	N 32 16 16.40	W 104 2 36.47
	12100.00	89.91	179.15	7425.27	3747.46	-3742.24	2141.55	0.00	462409.08	589594.37	N 32 16 15.41	W 104 2 36.45
	12200.00	89.91	179.15	7425.42	3847.45	-3842.23	2143.03	0.00	462309.10	589595.85	N 32 16 14.42	W 104 2 36.44
	12300.00	89.91	179.15	7425.58	3947.44	-3942.22	2144.51	0.00	462209.12	589597.33	N 32 16 13.43	W 104 2 36.42
	12400.00	89.91	179.15	7425.74	4047.44	-4042.20	2145.99	0.00	462109.14	589598.81	N 32 16 12.44	W 104 2 36.41
	12500.00	89.91	179.15	7425.89	4147.43	-4142.19	2147.47	0.00	462009.16	589600.28	N 32 16 11.45	W 104 2 36.40
	12600.00	89.91	179.15	7426.05	4247.42	-4242.18	2148.95	0.00	461909.17	589601.76	N 32 16 10.46	W 104 2 36.38
	12700.00	89.91	179.15	7426.21	4347.41	-4342.17	2150.43	0.00	461809.19	589603.24	N 32 16 9.47	W 104 2 36.37
	12800.00	89.91	179.15	7426.36	4447.40	-4442.16	2151.91	0.00	461709.21	589604.72	N 32 16 8.48	W 104 2 36.35
MP, Turn 2°/100ft	12886.23	89.91	179.15	7426.50	4533.63	-4528.38	2153.18	0.00	461623.00	589606.00	N 32 16 7.63	W 104 2 36.34
	12900.00	89.91	179.43	7426.52	4547.40	-4542.15	2153.35	2.00	461609.23	589606.17	N 32 16 7.49	W 104 2 36.34
Hold	12957.81	89.91	180.58	7426.61	4605.20	-4599.95	2153.35	2.00	461551.43	589606.17	N 32 16 6.92	W 104 2 36.34
	13000.00	89.91	180.58	7426.68	4647.39	-4642.15	2152.92	0.00	461509.24	589605.74	N 32 16 6.50	W 104 2 36.35
	13100.00	89.91	180.58	7426.84	4747.38	-4742.14	2151.90	0.00	461409.26	589604.72	N 32 16 5.51	W 104 2 36.36
	13200.00	89.91	180.58	7427.00	4847.38	-4842.14	2150.88	0.00	461309.27	589603.70	N 32 16 4.52	W 104 2 36.38
	13300.00	89.91	180.58	7427.16	4947.37	-4942.13	2149.86	0.00	461209.29	589602.68	N 32 16 3.53	W 104 2 36.39
	13400.00	89.91	180.58	7427.32	5047.36	-5042.12	2148.84	0.00	461109.30	589601.66	N 32 16 2.55	W 104 2 36.41
	13500.00	89.91	180.58	7427.48	5147.35	-5142.12	2147.82	0.00	461009.31	589600.64	N 32 16 1.56	W 104 2 36.42
	13600.00	89.91	180.58	7427.65	5247.34	-5242.11	2146.81	0.00	460909.33	589599.62	N 32 16 0.57	W 104 2 36.44
	13700.00	89.91	180.58	7427.81	5347.34	-5342.11	2145.79	0.00	460809.34	589598.61	N 32 15 59.58	W 104 2 36.45
	13800.00	89.91	180.58	7427.97	5447.33	-5442.10	2144.77	0.00	460709.35	589597.59	N 32 15 58.59	W 104 2 36.47
	13900.00	89.91	180.58	7428.13	5547.32	-5542.10	2143.75	0.00	460609.37	589596.57	N 32 15 57.60	W 104 2 36.48
	14000.00	89.91	180.58	7428.29	5647.31	-5642.09	2142.73	0.00	460509.38	589595.55	N 32 15 56.61	W 104 2 36.50
	14100.00	89.91	180.58	7428.45	5747.30	-5742.09	2141.71	0.00	460409.40	589594.53	N 32 15 55.62	W 104 2 36.51
	14200.00	89.91	180.58	7428.61	5847.30	-5842.08	2140.69	0.00	460309.41	589593.51	N 32 15 54.63	W 104 2 36.53
	14300.00	89.91	180.58	7428.77	5947.29	-5942.08	2139.68	0.00	460209.42	589592.50	N 32 15 53.64	W 104 2 36.54
	14400.00	89.91	180.58	7428.93	6047.28	-6042.07	2138.66	0.00	460109.44	589591.48	N 32 15 52.65	W 104 2 36.56
	14500.00	89.91	180.58	7429.09	6147.27	-6142.07	2137.64	0.00	460009.45	589590.46	N 32 15 51.66	W 104 2 36.57
	14600.00	89.91	180.58	7429.25	6247.26	-6242.06	2136.62	0.00	459909.46	589589.44	N 32 15 50.67	W 104 2 36.59
	14700.00	89.91	180.58	7429.41	6347.25	-6342.06	2135.60	0.00	459809.48	589588.42	N 32 15 49.68	W 104 2 36.60
	14800.00	89.91	180.58	7429.57	6447.25	-6442.05	2134.58	0.00	459709.49	589587.40	N 32 15 48.69	W 104 2 36.62
	14900.00	89.91	180.58	7429.73	6547.24	-6542.04	2133.56	0.00	459609.51	589586.38	N 32 15 47.70	W 104 2 36.63
	15000.00	89.91	180.58	7429.89	6647.23	-6642.04	2132.55	0.00	459509.52	589585.37	N 32 15 46.71	W 104 2 36.65
	15100.00	89.91	180.58	7430.06	6747.22	-6742.03	2131.53	0.00	459409.53	589584.35	N 32 15 45.72	W 104 2 36.66
	15200.00	89.91	180.58	7430.22	6847.21	-6842.03	2130.51	0.00	459309.55	589583.33	N 32 15 44.73	W 104 2 36.68
	15300.00	89.91	180.58	7430.38	6947.21	-6942.02	2129.49	0.00	459209.56	589582.31	N 32 15 43.75	W 104 2 36.69
	15400.00	89.91	180.58	7430.54	7047.20	-7042.02	2128.47	0.00	459109.57	589581.29	N 32 15 42.76	W 104 2 36.71
	15500.00	89.91	180.58	7430.70	7147.19	-7142.01	2127.45	0.00	459009.59	589580.27	N 32 15 41.77	W 104 2 36.72
	15600.00	89.91	180.58	7430.86	7247.18	-7242.01	2126.43	0.00	458909.60	589579.26	N 32 15 40.78	W 104 2 36.74
	15700.00	89.91	180.58	7431.02	7347.17	-7342.00	2125.42	0.00	458809.62	589578.24	N 32 15 39.79	W 104 2 36.75
	15800.00	89.91	180.58	7431.18	7447.17	-7442.00	2124.40	0.00	458709.63	589577.22	N 32 15 38.80	W 104 2 36.77
	15900.00	89.91	180.58	7431.34	7547.16	-7541.99	2123.38	0.00	458609.64	589576.20	N 32 15 37.81	W 104 2 36.78

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	16000.00	89.91	180.58	7431.50	7647.15	-7641.99	2122.36	0.00	458509.66	589575.18	N 32 15 36.82	W 104 2 36.80
	16100.00	89.91	180.58	7431.66	7747.14	-7741.98	2121.34	0.00	458409.67	589574.16	N 32 15 35.83	W 104 2 36.81
	16200.00	89.91	180.58	7431.82	7847.13	-7841.98	2120.32	0.00	458309.68	589573.14	N 32 15 34.84	W 104 2 36.83
	16300.00	89.91	180.58	7431.98	7947.13	-7941.97	2119.30	0.00	458209.70	589572.13	N 32 15 33.85	W 104 2 36.84
	16400.00	89.91	180.58	7432.14	8047.12	-8041.97	2118.29	0.00	458109.71	589571.11	N 32 15 32.86	W 104 2 36.86
	16500.00	89.91	180.58	7432.30	8147.11	-8141.96	2117.27	0.00	458009.73	589570.09	N 32 15 31.87	W 104 2 36.87
	16600.00	89.91	180.58	7432.46	8247.10	-8241.95	2116.25	0.00	457909.74	589569.07	N 32 15 30.88	W 104 2 36.89
	16700.00	89.91	180.58	7432.63	8347.09	-8341.95	2115.23	0.00	457809.75	589568.05	N 32 15 29.89	W 104 2 36.90
	16800.00	89.91	180.58	7432.79	8447.08	-8441.94	2114.21	0.00	457709.77	589567.03	N 32 15 28.90	W 104 2 36.92
	16900.00	89.91	180.58	7432.95	8547.08	-8541.94	2113.19	0.00	457609.78	589566.02	N 32 15 27.91	W 104 2 36.93
	17000.00	89.91	180.58	7433.11	8647.07	-8641.93	2112.17	0.00	457509.79	589565.00	N 32 15 26.92	W 104 2 36.95
	17100.00	89.91	180.58	7433.27	8747.06	-8741.93	2111.16	0.00	457409.81	589563.98	N 32 15 25.94	W 104 2 36.96
	17200.00	89.91	180.58	7433.43	8847.05	-8841.92	2110.14	0.00	457309.82	589562.96	N 32 15 24.95	W 104 2 36.98
	17300.00	89.91	180.58	7433.59	8947.04	-8941.92	2109.12	0.00	457209.84	589561.94	N 32 15 23.96	W 104 2 36.99
	17400.00	89.91	180.58	7433.75	9047.04	-9041.91	2108.10	0.00	457109.85	589560.92	N 32 15 22.97	W 104 2 37.01
	17500.00	89.91	180.58	7433.91	9147.03	-9141.91	2107.08	0.00	457009.86	589559.90	N 32 15 21.98	W 104 2 37.02
	17600.00	89.91	180.58	7434.07	9247.02	-9241.90	2106.06	0.00	456909.88	589558.89	N 32 15 20.99	W 104 2 37.04
	17700.00	89.91	180.58	7434.23	9347.01	-9341.90	2105.04	0.00	456809.89	589557.87	N 32 15 20.00	W 104 2 37.05
	17800.00	89.91	180.58	7434.39	9447.00	-9441.89	2104.03	0.00	456709.90	589556.85	N 32 15 19.01	W 104 2 37.07
	17900.00	89.91	180.58	7434.55	9547.00	-9541.89	2103.01	0.00	456609.92	589555.83	N 32 15 18.02	W 104 2 37.08
	18000.00	89.91	180.58	7434.71	9646.99	-9641.88	2101.99	0.00	456509.93	589554.81	N 32 15 17.03	W 104 2 37.10
	18100.00	89.91	180.58	7434.87	9746.98	-9741.87	2100.97	0.00	456409.94	589553.79	N 32 15 16.04	W 104 2 37.11
LTP Cross	*18102.63*	*89.91*	*180.58*	*7434.88*	*9749.60*	*-9744.50*	*2100.94*	*0.00*	*456407.32*	*589553.77*	*N 32 15 16.01*	*W 104 2 37.11*
CB Cal 25 36 State Com 08 No. 104H BHL	18177.96	89.91	180.58	7435.00	9824.93	-9819.83	2100.18	0.00	456332.00	589553.00	N 32 15 15.27	W 104 2 37.13

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	28.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM-Depth Only	CB Cal 25 36 State Com 08 No. 104H / CB Cal 25 36 State Com 08 No. 104H R0 mdv 14Nov22
	1	28.000	18177.956	1/100.000	17.500	13.375		B001Mb_MWD+HRGM	CB Cal 25 36 State Com 08 No. 104H / CB Cal 25 36 State Com

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.