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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 279963

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 30-015-47379
4. Property Code 329314	5. Property Name CB TANO 26 35 FEE 11	6. Well No. 301H

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	A	287	N	1130	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
O	35	23S	28E	O	50	S	1380	E	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	2997
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	19899	Bone Spring		4/1/2021
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	290	250	0
Int1	12.25	9.625	40	2610	677	0
Prod	8.75	7	29	9179	815	2310
Liner1	6.125	5	18	9379	800	8879
Liner2	6.125	4.5	11.6	19899	0	8879

Casing/Cement Program: Additional Comments

CEMENT SACKS AND TOC OF LINER2 ARE THE SAME AS LINER 1, ONLY THE CASING CHANGES.

22. Proposed Blowout Prevention Program

Type	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 DIVISION**	
Printed Name:	Electronically filed by Laura Becerra	Approved By:	Scott Cox
Title:	Regulatory Specialist	Title:	Petroleum Engineer Supervisor
Email Address:	LBecerra@chevron.com	Approved Date:	9/25/2020 Expiration Date: 9/25/2022
Date:	8/28/2020 Phone: 432-687-7665	Conditions of Approval Attached	

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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
	15011	CULEBRA BLUFF; BONE SPRING SOUTH

[4] Property Code	[5] Property Name	[6] Well Number
	CB TANO 26 35 FEE 11	301H

[7] OGRID No.	[8] Operator Name	[9] Elevation
4323	CHEVRON U.S.A. INC.	2997'

[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.		287'	NORTH	1130'	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
O	35	23 SOUTH	28 EAST, N.M.P.M.		50'	SOUTH	1380'	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640	DEFINING		

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]

PROPOSED FIRST TAKE POINT		
X=	586,497'	NAD 27
Y=	466,927'	
LAT.	32.283389° N	
LONG.	104.053442° W	
X=	627,680'	NAD83/86
Y=	466,986'	
LAT.	32.283510° N	
LONG.	104.053935° W	

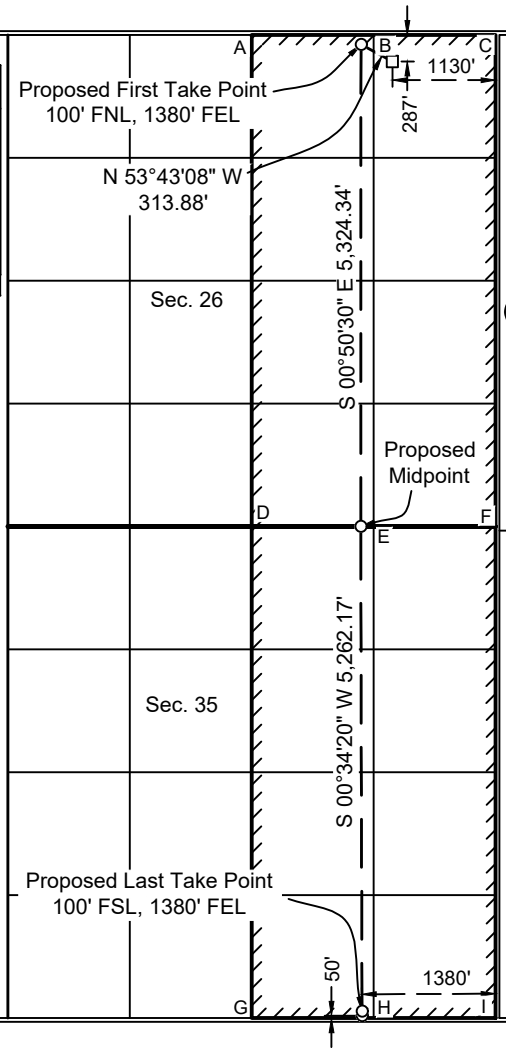
PROPOSED MIDPOINT		
X=	586,575'	NAD 27
Y=	461,603'	
LAT.	32.268753° N	
LONG.	104.053233° W	
X=	627,759'	NAD83/86
Y=	461,662'	
LAT.	32.268875° N	
LONG.	104.053726° W	

PROPOSED LAST TAKE POINT		
X=	586,523'	NAD 27
Y=	456,391'	
LAT.	32.254427° N	
LONG.	104.053446° W	
X=	627,707'	NAD83/86
Y=	456,450'	
LAT.	32.254548° N	
LONG.	104.053938° W	

CB TANO 26 35 FEE 11 NO. 301H WELL		
X=	586,750'	NAD 27
Y=	466,741'	
LAT.	32.282876° N	
LONG.	104.052624° W	
X=	627,933'	NAD83/86
Y=	466,800'	
LAT.	32.282998° N	
LONG.	104.053118° W	
ELEV.	+2997'	NAVD 88

CORNER COORDINATES TABLE (NAD 27)
A - Y=467022.29, X=585218.06
B - Y=467027.12, X=586546.93
C - Y=467031.96, X=587875.81
D - Y=461595.37, X=585300.90
E - Y=461603.50, X=586628.18
F - Y=461611.64, X=587955.45
G - Y=456285.35, X=585253.75
H - Y=456291.53, X=586578.13
I - Y=456297.71, X=587902.50

PROPOSED BOTTOM HOLE LOCATION		
X=	586,523'	NAD 27
Y=	456,341'	
LAT.	32.254289° N	
LONG.	104.053448° W	
X=	627,706'	NAD83/86
Y=	456,400'	
LAT.	32.254411° N	
LONG.	104.053940° 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.

Signature 8/27/2020 Date

Laura Becerra
Printed Name

LBecerra@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.

05/21/2020
Date of Survey

Signature and Seal of Professional Surveyor:

STEVEN M. COLEMAN
NEW MEXICO
22921
PROFESSIONAL SURVEYOR

08/03/2020
Certificate Number

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

GAS CAPTURE PLAN

Date: 9/25/2020

☒ Original

☐ Amended - Reason for Amendment:

Operator & OGRID No.: [4323] CHEVRON U S A INC

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
CB TANO 26 35 FEE 11 #301H	30-015-47379	A-26-23S-28E	0287N 1130E	2200	None	Produced gas will be processed in Culberson County, Texas at either Targa's Falcon Plant (Sec 9, Blk 58, T1S T&P RR Co Survey) or Peregrine Plant (Sec 47, Blk 61, T1S, T&P RR Co Survey).

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to TARGA TRANSPORT LLC and will be connected to TARGA TRANSPORT LLC High Pressure gathering system located in Eddy County, New Mexico. It will require 2000' of pipeline to connect the facility to High Pressure gathering system. CHEVRON U S A INC provides (periodically) to TARGA TRANSPORT LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, CHEVRON U S A INC and TARGA TRANSPORT LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA TRANSPORT LLC Processing Plant located in Sec. 23, Twn. 23S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on TARGA TRANSPORT LLC system at that time. Based on current information, it is CHEVRON U S A INC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 279963

PERMIT COMMENTS

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-015-47379
	Well: CB TANO 26 35 FEE 11 #301H

Created By	Comment	Comment Date
lbecerra	13 - Rotary Depth to ground water: 60' Distance from nearest fresh water well: 1,350'	8/28/2020

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Form APD Conditions

Permit 279963

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	30-015-47379
	Well: CB TANO 26 35 FEE 11 #301H

OCD Reviewer	Condition
ksimmons	Will require a directional survey with the C-104
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
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	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.
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	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days

Schlumberger

Chevron CB Tano 26 35 FEE 11 301H R1 mdv 12Aug20 Proposal Geodetic Report

(Def Plan)

Report Date:	August 27, 2020 - 08:59 AM	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	Chevron	**Vertical Section Azimuth:**	179.868 ° (Grid North)
Field:	NM Eddy County (NAD 27)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Chevron Culebra Bluff Tano Package 11 / 301H	**TVD Reference Datum:**	RKB = 33ft
Well:	CB Tano 26 35 FEE 11 301H	**TVD Reference Elevation:**	3030.000 ft above MSL
Borehole:	CB Tano 26 35 FEE 11 301H	**Seabed / Ground Elevation:**	2997.000 ft above MSL
UWI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.960 °
Survey Name:	Chevron CB Tano 26 35 FEE 11 301H R1 mdv 12Aug20	**Total Gravity Field Strength:**	998.4730mgn (9.80665 Based)
Survey Date:	August 12, 2020	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	106.220 ° / 10984.181 ft / 6.388 / 1.157	**Total Magnetic Field Strength:**	47783.438 nT
Coordinate Reference System:	NAD27 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.994 °
Location Lat / Long:	N 32° 16' 58.35255", W 104° 3' 9.45039"	**Declination Date:**	August 12, 2020
Location Grid N/E Y/X:	N 466741.000 ftUS, E 586750.000 ftUS	**Magnetic Declination Model:**	HDGM 2020
CRS Grid Convergence Angle:	0.1499 °	**North Reference:**	Grid North
Grid Scale Factor:	0.99991771	**Grid Convergence Used:**	0.1499 °
Version / Patch:	2.10.820.4	**Total Corr Mag North->Grid North:**	6.8101 °
		Local Coord Referenced To:	Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	DLS (°/100ft)	VSEC (ft)
Surface	0.00	0.00	0.00	0.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	N/A	0.00
	100.00	0.00	312.90	100.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
	200.00	0.00	312.90	200.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
13 3/8" Casing	*290.00*	*0.00*	*312.90*	*290.00*	*0.00*	*0.00*	*466741.00*	*586750.00*	*N 32 16 58.35*	*W 104 3 9.45*	*0.00*	*0.00*
	300.00	0.00	312.90	300.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
	400.00	0.00	312.90	400.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
	500.00	0.00	312.90	500.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
	600.00	0.00	312.90	600.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
Build 1.5°/100ft	650.00	0.00	312.90	650.00	0.00	0.00	466741.00	586750.00	N 32 16 58.35	W 104 3 9.45	0.00	0.00
	700.00	0.75	312.90	700.00	0.22	-0.24	466741.22	586749.76	N 32 16 58.35	W 104 3 9.45	1.50	-0.22
	800.00	2.25	312.90	799.96	2.00	-2.16	466743.00	586747.84	N 32 16 58.37	W 104 3 9.48	1.50	-2.01
	900.00	3.75	312.90	899.82	5.57	-5.99	466746.57	586744.01	N 32 16 58.41	W 104 3 9.52	1.50	-5.58
	1000.00	5.25	312.90	999.51	10.91	-11.74	466751.91	586738.26	N 32 16 58.46	W 104 3 9.59	1.50	-10.93
Salado (SLDO)/Castile (CSTL)	*1045.85*	*5.94*	*312.90*	*1045.14*	*13.95*	*-15.01*	*466754.95*	*586734.99*	*N 32 16 58.49*	*W 104 3 9.62*	*1.50*	*-13.98*
	1100.00	6.75	312.90	1098.96	18.02	-19.40	466759.02	586730.61	N 32 16 58.53	W 104 3 9.68	1.50	-18.07
Hold	1116.60	7.00	312.90	1115.44	19.38	-20.85	466760.37	586729.15	N 32 16 58.54	W 104 3 9.69	1.50	-19.42
	1200.00	7.00	312.90	1198.22	26.29	-28.30	466767.29	586721.71	N 32 16 58.61	W 104 3 9.78	0.00	-26.36
	1300.00	7.00	312.90	1297.47	34.59	-37.22	466775.58	586712.78	N 32 16 58.70	W 104 3 9.88	0.00	-34.67
	1400.00	7.00	312.90	1396.73	42.88	-46.15	466783.88	586703.86	N 32 16 58.78	W 104 3 9.99	0.00	-42.99
	1500.00	7.00	312.90	1495.98	51.18	-55.07	466792.17	586694.93	N 32 16 58.86	W 104 3 10.09	0.00	-51.30
	1600.00	7.00	312.90	1595.24	59.47	-64.00	466800.47	586686.00	N 32 16 58.94	W 104 3 10.19	0.00	-59.62
	1700.00	7.00	312.90	1694.49	67.77	-72.93	466808.76	586677.08	N 32 16 59.02	W 104 3 10.30	0.00	-67.93
	1800.00	7.00	312.90	1793.75	76.06	-81.85	466817.05	586668.15	N 32 16 59.11	W 104 3 10.40	0.00	-76.25
	1900.00	7.00	312.90	1893.00	84.35	-90.78	466825.35	586659.23	N 32 16 59.19	W 104 3 10.51	0.00	-84.56
	2000.00	7.00	312.90	1992.26	92.65	-99.71	466833.64	586650.30	N 32 16 59.27	W 104 3 10.61	0.00	-92.88
	2100.00	7.00	312.90	2091.51	100.94	-108.63	466841.93	586641.38	N 32 16 59.35	W 104 3 10.71	0.00	-101.19
	2200.00	7.00	312.90	2190.77	109.24	-117.56	466850.23	586632.45	N 32 16 59.44	W 104 3 10.82	0.00	-109.51
	2300.00	7.00	312.90	2290.02	117.53	-126.49	466858.52	586623.53	N 32 16 59.52	W 104 3 10.92	0.00	-117.82
	2400.00	7.00	312.90	2389.28	125.83	-135.41	466866.82	586614.60	N 32 16 59.60	W 104 3 11.02	0.00	-126.14
	2500.00	7.00	312.90	2488.53	134.12	-144.34	466875.11	586605.67	N 32 16 59.68	W 104 3 11.13	0.00	-134.45
	2600.00	7.00	312.90	2587.79	142.42	-153.26	466883.40	586596.75	N 32 16 59.77	W 104 3 11.23	0.00	-142.77
9 5/8" Casing	*2622.38*	*7.00*	*312.90*	*2610.00*	*144.27*	*-155.26*	*466885.26*	*586594.75*	*N 32 16 59.78*	*W 104 3 11.25*	*0.00*	*-144.63*
Lamar Lime (LMAR)	*2632.87*	*7.00*	*312.90*	*2620.41*	*145.14*	*-156.20*	*466886.13*	*586593.81*	*N 32 16 59.79*	*W 104 3 11.27*	*0.00*	*-145.50*
Bell Canyon (BLCN)	*2674.38*	*7.00*	*312.90*	*2661.61*	*148.59*	*-159.90*	*466889.57*	*586590.11*	*N 32 16 59.83*	*W 104 3 11.31*	*0.00*	*-148.95*
	2700.00	7.00	312.90	2687.04	150.71	-162.19	466891.70	586587.82	N 32 16 59.85	W 104 3 11.33	0.00	-151.08
	2800.00	7.00	312.90	2786.30	159.00	-171.12	466899.99	586578.90	N 32 16 59.93	W 104 3 11.44	0.00	-159.40
	2900.00	7.00	312.90	2885.55	167.30	-180.04	466908.29	586569.97	N 32 17 0.01	W 104 3 11.54	0.00	-167.71
	3000.00	7.00	312.90	2984.81	175.59	-188.97	466916.58	586561.05	N 32 17 0.09	W 104 3 11.65	0.00	-176.03
	3100.00	7.00	312.90	3084.06	183.89	-197.90	466924.87	586552.12	N 32 17 0.18	W 104 3 11.75	0.00	-184.34
	3200.00	7.00	312.90	3183.32	192.18	-206.82	466933.17	586543.19	N 32 17 0.26	W 104 3 11.85	0.00	-192.66
	3300.00	7.00	312.90	3282.57	200.48	-215.75	466941.46	586534.27	N 32 17 0.34	W 104 3 11.96	0.00	-200.97
	3400.00	7.00	312.90	3381.83	208.77	-224.68	466949.75	586525.34	N 32 17 0.42	W 104 3 12.06	0.00	-209.29
Drop 1.5°/100ft	3493.47	7.00	312.90	3474.60	216.52	-233.02	466957.51	586517.00	N 32 17 0.50	W 104 3 12.16	0.00	-217.06
	3500.00	6.90	312.90	3481.08	217.06	-233.60	466958.04	586516.42	N 32 17 0.51	W 104 3 12.16	1.50	-217.60
Cherry Canyon (CRCN)	*3528.24*	*6.48*	*312.90*	*3509.13*	*219.30*	*-236.01*	*466960.28*	*586514.01*	*N 32 17 0.53*	*W 104 3 12.19*	*1.50*	*-219.85*
	3600.00	5.40	312.90	3580.50	224.36	-241.45	466965.34	586508.57	N 32 17 0.58	W 104 3 12.26	1.50	-224.91
	3700.00	3.90	312.90	3680.17	229.88	-247.39	466970.86	586502.63	N 32 17 0.63	W 104 3 12.32	1.50	-230.44
	3800.00	2.40	312.90	3780.02	233.62	-251.41	466974.60	586498.61	N 32 17 0.67	W 104 3 12.37	1.50	-234.20
	3900.00	0.90	312.90	3879.97	235.58	-253.52	466976.56	586496.50	N 32 17 0.69	W 104 3 12.40	1.50	-236.16
Hold Vertical	3960.07	0.00	312.90	3940.04	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	1.50	-236.48
	4000.00	0.00	312.90	3979.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4100.00	0.00	312.90	4079.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4200.00	0.00	312.90	4179.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4300.00	0.00	312.90	4279.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4400.00	0.00	312.90	4379.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4500.00	0.00	312.90	4479.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4600.00	0.00	312.90	4579.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4700.00	0.00	312.90	4679.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
Brushy Canyon (BRSC)	*4772.05*	*0.00*	*312.90*	*4752.02*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	4800.00	0.00	312.90	4779.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	4900.00	0.00	312.90	4879.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5000.00	0.00	312.90	4979.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5100.00	0.00	312.90	5079.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5200.00	0.00	312.90	5179.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5300.00	0.00	312.90	5279.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5400.00	0.00	312.90	5379.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5500.00	0.00	312.90	5479.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5600.00	0.00	312.90	5579.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5700.00	0.00	312.90	5679.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5800.00	0.00	312.90	5779.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	5900.00	0.00	312.90	5879.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6000.00	0.00	312.90	5979.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6100.00	0.00	312.90	6079.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6200.00	0.00	312.90	6179.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6300.00	0.00	312.90	6279.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
Bone Spring (BSGL)	*6312.18*	*0.00*	*312.90*	*6292.15*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
Avalon (AVU)	*6350.92*	*0.00*	*312.90*	*6330.89*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	6400.00	0.00	312.90	6379.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	DLS (°/100ft)	VSEC (ft)
	6500.00	0.00	312.90	6479.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6600.00	0.00	312.90	6579.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6700.00	0.00	312.90	6679.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6800.00	0.00	312.90	6779.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	6900.00	0.00	312.90	6879.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
Avalon (AVL)	*6939.36*	*0.00*	*312.90*	*6919.33*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	7000.00	0.00	312.90	6979.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7100.00	0.00	312.90	7079.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7200.00	0.00	312.90	7179.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7300.00	0.00	312.90	7279.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
1st Bone Spring (FBSG)	*7326.36*	*0.00*	*312.90*	*7306.33*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	7400.00	0.00	312.90	7379.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7500.00	0.00	312.90	7479.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
FBSG_SH	*7523.87*	*0.00*	*312.90*	*7503.84*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	7600.00	0.00	312.90	7579.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7700.00	0.00	312.90	7679.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	7800.00	0.00	312.90	7779.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
2nd Bone Spring (SBU)	*7877.08*	*0.00*	*312.90*	*7857.05*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	7900.00	0.00	312.90	7879.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8000.00	0.00	312.90	7979.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8100.00	0.00	312.90	8079.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8200.00	0.00	312.90	8179.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8300.00	0.00	312.90	8279.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8400.00	0.00	312.90	8379.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8500.00	0.00	312.90	8479.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
2nd Bone Spring Lower (SBL)	*8506.53*	*0.00*	*312.90*	*8486.50*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	8600.00	0.00	312.90	8579.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8700.00	0.00	312.90	8679.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
7" Casing	*8740.03*	*0.00*	*312.90*	*8720.00*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
TBS1C	*8765.74*	*0.00*	*312.90*	*8745.71*	*235.90*	*-253.87*	*466976.88*	*586496.15*	*N 32 17 0.69*	*W 104 3 12.40*	*0.00*	*-236.48*
	8800.00	0.00	312.90	8779.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	8900.00	0.00	312.90	8879.97	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
KOP, Build 10°/100ft	8935.07	0.00	312.90	8915.04	235.90	-253.87	466976.88	586496.15	N 32 17 0.69	W 104 3 12.40	0.00	-236.48
	9000.00	6.49	179.16	8979.83	232.23	-253.82	466973.21	586496.21	N 32 17 0.66	W 104 3 12.40	10.00	-232.81
	9100.00	16.49	179.16	9077.70	212.33	-253.52	466953.31	586496.50	N 32 17 0.46	W 104 3 12.40	10.00	-212.91
FTP Cross	*9175.98*	*24.09*	*179.16*	*9148.91*	*186.00*	*-253.13*	*466926.98*	*586496.89*	*N 32 17 0.20*	*W 104 3 12.39*	*10.00*	*-186.58*
	9200.00	26.49	179.16	9170.63	175.74	-252.98	466916.73	586497.04	N 32 17 0.10	W 104 3 12.39	10.00	-176.32
3rd Bone Spring (TBSG)	*9292.92*	*35.78*	*179.16*	*9250.07*	*127.75*	*-252.28*	*466868.74*	*586497.75*	*N 32 16 59.62*	*W 104 3 12.38*	*10.00*	*-128.33*
	9300.00	36.49	179.16	9255.79	123.57	-252.21	466864.56	586497.81	N 32 16 59.58	W 104 3 12.38	10.00	-124.15
	9400.00	46.49	179.16	9330.60	57.41	-251.24	466798.41	586498.78	N 32 16 58.93	W 104 3 12.38	10.00	-57.99
	9500.00	56.49	179.16	9392.78	-20.73	-250.09	466720.27	586499.94	N 32 16 58.15	W 104 3 12.36	10.00	20.16
	9600.00	66.49	179.16	9440.45	-108.49	-248.79	466632.52	586501.23	N 32 16 57.29	W 104 3 12.35	10.00	107.92
	9700.00	76.49	179.16	9472.15	-203.19	-247.40	466537.83	586502.63	N 32 16 56.35	W 104 3 12.34	10.00	202.62
	9800.00	86.49	179.16	9486.92	-301.95	-245.94	466439.08	586504.08	N 32 16 55.37	W 104 3 12.32	10.00	301.38
Landing Point	9834.10	89.90	179.16	9488.00	-336.02	-245.44	466405.00	586504.58	N 32 16 55.03	W 104 3 12.32	10.00	335.46
	9900.00	89.90	179.16	9488.11	-401.92	-244.47	466339.12	586505.56	N 32 16 54.38	W 104 3 12.31	0.00	401.35
	10000.00	89.90	179.16	9488.28	-501.91	-242.99	466239.14	586507.03	N 32 16 53.39	W 104 3 12.30	0.00	501.35
	10100.00	89.90	179.16	9488.45	-601.90	-241.52	466139.16	586508.50	N 32 16 52.40	W 104 3 12.28	0.00	601.34
	10200.00	89.90	179.16	9488.62	-701.88	-240.04	466039.17	586509.98	N 32 16 51.41	W 104 3 12.27	0.00	701.33
	10300.00	89.90	179.16	9488.79	-801.87	-238.57	465939.19	586511.45	N 32 16 50.42	W 104 3 12.25	0.00	801.32
TBS_TGT 4_CB	*10343.09*	*89.90*	*179.16*	*9488.86*	*-844.95*	*-237.93*	*465896.12*	*586512.09*	*N 32 16 50.00*	*W 104 3 12.25*	*0.00*	*844.40*
	10400.00	89.90	179.16	9488.96	-901.86	-237.09	465839.21	586512.93	N 32 16 49.43	W 104 3 12.24	0.00	901.31
	10500.00	89.90	179.16	9489.13	-1001.85	-235.62	465739.23	586514.40	N 32 16 48.44	W 104 3 12.23	0.00	1001.31
	10600.00	89.90	179.16	9489.30	-1101.84	-234.15	465639.25	586515.87	N 32 16 47.46	W 104 3 12.21	0.00	1101.30
	10700.00	89.90	179.16	9489.47	-1201.83	-232.67	465539.27	586517.35	N 32 16 46.47	W 104 3 12.20	0.00	1201.29
	10800.00	89.90	179.16	9489.63	-1301.82	-231.20	465439.29	586518.82	N 32 16 45.48	W 104 3 12.18	0.00	1301.28
	10900.00	89.90	179.16	9489.80	-1401.81	-229.72	465339.31	586520.30	N 32 16 44.49	W 104 3 12.17	0.00	1401.27
	11000.00	89.90	179.16	9489.97	-1501.80	-228.25	465239.33	586521.77	N 32 16 43.50	W 104 3 12.15	0.00	1501.27
	11100.00	89.90	179.16	9490.14	-1601.79	-226.77	465139.35	586523.25	N 32 16 42.51	W 104 3 12.14	0.00	1601.26
	11200.00	89.90	179.16	9490.31	-1701.77	-225.30	465039.37	586524.72	N 32 16 41.52	W 104 3 12.13	0.00	1701.25
	11300.00	89.90	179.16	9490.48	-1801.76	-223.82	464939.39	586526.19	N 32 16 40.53	W 104 3 12.11	0.00	1801.24
	11400.00	89.90	179.16	9490.65	-1901.75	-222.35	464839.41	586527.67	N 32 16 39.54	W 104 3 12.10	0.00	1901.24
	11500.00	89.90	179.16	9490.82	-2001.74	-220.88	464739.43	586529.14	N 32 16 38.55	W 104 3 12.08	0.00	2001.23
	11600.00	89.90	179.16	9490.99	-2101.73	-219.40	464639.45	586530.62	N 32 16 37.56	W 104 3 12.07	0.00	2101.22
	11700.00	89.90	179.16	9491.16	-2201.72	-217.93	464539.47	586532.09	N 32 16 36.57	W 104 3 12.06	0.00	2201.21
	11800.00	89.90	179.16	9491.33	-2301.71	-216.45	464439.49	586533.56	N 32 16 35.58	W 104 3 12.04	0.00	2301.20
	11900.00	89.90	179.16	9491.50	-2401.70	-214.98	464339.51	586535.04	N 32 16 34.59	W 104 3 12.03	0.00	2401.20
	12000.00	89.90	179.16	9491.67	-2501.69	-213.50	464239.52	586536.51	N 32 16 33.60	W 104 3 12.01	0.00	2501.19
	12100.00	89.90	179.16	9491.84	-2601.68	-212.03	464139.54	586537.99	N 32 16 32.61	W 104 3 12.00	0.00	2601.18
	12200.00	89.90	179.16	9492.01	-2701.66	-210.56	464039.56	586539.46	N 32 16 31.62	W 104 3 11.99	0.00	2701.17
	12300.00	89.90	179.16	9492.18	-2801.65	-209.08	463939.58	586540.94	N 32 16 30.63	W 104 3 11.97	0.00	2801.16
	12400.00	89.90	179.16	9492.35	-2901.64	-207.61	463839.60	586542.41	N 32 16 29.65	W 104 3 11.96	0.00	2901.16
	12500.00	89.90	179.16	9492.52	-3001.63	-206.13	463739.62	586543.88	N 32 16 28.66	W 104 3 11.94	0.00	3001.15
	12600.00	89.90	179.16	9492.69	-3101.62	-204.66	463639.64	586545.36	N 32 16 27.67	W 104 3 11.93	0.00	3101.14
	12700.00	89.90	179.16	9492.86	-3201.61	-203.18	463539.66	586546.83	N 32 16 26.68	W 104 3 11.91	0.00	3201.13
	12800.00	89.90	179.16	9493.03	-3301.60	-201.71	463439.68	586548.31	N 32 16 25.69	W 104 3 11.90	0.00	3301.12
	12900.00	89.90	179.16	9493.20	-3401.59	-200.24	463339.70	586549.78	N 32 16 24.70	W 104 3 11.89	0.00	3401.12
	13000.00	89.90	179.16	9493.37	-3501.58	-198.76	463239.72	586551.26	N 32 16 23.71	W 104 3 11.87	0.00	3501.11
	13100.00	89.90	179.16	9493.53	-3601.57	-197.29	463139.74	586552.73	N 32 16 22.72	W 104 3 11.86	0.00	3601.10
	13200.00	89.90	179.16	9493.70	-3701.55	-195.81	463039.76	586554.20	N 32 16 21.73	W 104 3 11.84	0.00	3701.09
	13300.00	89.90	179.16	9493.87	-3801.54	-194.34	462939.78	586555.68	N 32 16 20.74	W 104 3 11.83	0.00	3801.09
	13400.00	89.90	179.16	9494.04	-3901.53	-192.86	462839.80	586557.15	N 32 16 19.75	W 104 3 11.82	0.00	3901.08
	13500.00	89.90	179.16	9494.21	-4001.52	-191.39	462739.82	586558.63	N 32 16 18.76	W 104 3 11.80	0.00	4001.07
	13600.00	89.90	179.16	9494.38	-4101.51	-189.92	462639.84	586560.10	N 32 16 17.77	W 104 3 11.79	0.00	4101.06
	13700.00	89.90	179.16	9494.55	-4201.50	-188.44	462539.86	586561.57	N 32 16 16.78	W 104 3 11.77	0.00	4201.05
	13800.00	89.90	179.16	9494.72	-4301.49	-186.97	462439.87	586563.05	N 32 16 15.79	W 104 3 11.76	0.00	4301.05
	13900.00	89.90	179.16	9494.89	-4401.48	-185.49	462339.89	586564.52	N 32 16 14.80	W 104 3 11.74	0.00	4401.04
	14000.00	89.90	179.16	9495.06	-4501.47	-184.02	462239.91	586566.00	N 32 16 13.81	W 104 3 11.73	0.00	4501.03
	14100.00	89.90	179.16	9495.23	-4601.46	-182.54	462139.93	586567.47	N 32 16 12.82	W 104 3 11.72	0.00	4601.02
	14200.00	89.90	179.16	9495.40	-4701.44	-181.07	462039.95	586568.95	N 32 16 11.83	W 104 3 11.70	0.00	4701.01
	14300.00	89.90	179.16	9495.57	-4801.43	-179.60	461939.97	586570.42	N 32 16 10.85	W 104 3 11.69	0.00	4801.01
	14400.00	89.90	179.16	9495.74	-4901.42	-178.12	461839.99	586571.89	N 32 16 9.86	W 104 3 11.67	0.00	4901.00
	14500.00	89.90	179.16	9495.91	-5001.41	-176.65	461740.01	586573.37	N 32 16 8.87	W 104 3 11.66	0.00	5000.99
IFP1, Build 2°/100ft	14554.02	89.90	179.16	9496.00	-5055.43	-175.85	461686.00	586574.16	N 32 16 8.33	W 104 3 11.65	0.00	5055.01
Hold	14579.20	90.41	179.16	9495.93	-5080.60	-175.48	461660.83	586574.53	N 32 16 8.08	W 104 3 11.65	2.00	5080.18
	14600.00	90.41	179.16	9495.78	-5101.40	-175.18	461640.03	586574.84	N 32 16 7.88	W 104 3 11.65	0.00	5100.98
MP, Turn 2°/100ft	14637.31	90.41	179.16	9495.52	-5138.70	-174.63	461602.73	586575.38	N 32 16 7.51	W 104 3 11.64	0.00	5138.29
	14700.00	90.41	180.42	9495.07	-5201.39	-174.40	461540.05	586575.62	N 32 16 6.89	W 104 3 11.64	2.00	5200.98
Hold	14708.32	90.41	180.58	9495.01	-5209.71	-174.47	461531.73	586575.54	N 32 16 6.81	W 104 3 11.64	2.00	5209.29
	14800.00	90.41	180.58	9494.36	-5301.38	-175.40	461440.06	586574.61	N 32 16 5.90	W 104 3 11.65	0.00	5300.97
	14900.00	90.41	180.58	9493.64	-5401.38	-176.42	461340.08	586573.60	N 32 16 4.91	W 104 3 11.67	0.00	5400.96
	15000.00	90.41	180.58	9492.92	-5501.37	-177.43	461240.10	586572.58	N 32 16 3.92	W 104 3 11.68	0.00	5500.94
	15100.00	90.41	180.58	9492.21	-5601.36	-178.45	461140.11	586571.57	N 32 16 2.93	W 104 3 11.70	0.00	5600.93
	15200.00	90.41	180.58	9491.49	-5701.35	-179.46	461040.13	586570.55	N 32 16 1.94	W 104 3 11.71	0.00	5700.92
	15300.00	90.41	180.58	9490.78	-5801.34	-180.48	460940.14	586569.54	N 32 16 0.95	W 104 3 11.73	0.00	5800.91

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	DLS (°/100ft)	VSEC (ft)
	15400.00	90.41	180.58	9490.06	-5901.34	-181.49	460840.16	586568.52	N 32 15 59.96	W 104 3 11.74	0.00	5900.90
	15500.00	90.41	180.58	9489.34	-6001.33	-182.51	460740.18	586567.51	N 32 15 58.97	W 104 3 11.76	0.00	6000.89
TBS_TGT 4_CB	*15567.33*	*90.41*	*180.58*	*9488.86*	*-6068.65*	*-183.19*	*460672.86*	*586566.82*	*N 32 15 58.31*	*W 104 3 11.77*	*0.00*	*6068.21*
	15600.00	90.41	180.58	9488.63	-6101.32	-183.53	460640.19	586566.49	N 32 15 57.98	W 104 3 11.77	0.00	6100.88
	15700.00	90.41	180.58	9487.91	-6201.31	-184.54	460540.21	586565.47	N 32 15 56.99	W 104 3 11.79	0.00	6200.87
	15800.00	90.41	180.58	9487.19	-6301.31	-185.56	460440.22	586564.46	N 32 15 56.00	W 104 3 11.80	0.00	6300.86
	15900.00	90.41	180.58	9486.48	-6401.30	-186.57	460340.24	586563.44	N 32 15 55.01	W 104 3 11.82	0.00	6400.85
	16000.00	90.41	180.58	9485.76	-6501.29	-187.59	460240.26	586562.43	N 32 15 54.02	W 104 3 11.83	0.00	6500.84
	16100.00	90.41	180.58	9485.04	-6601.28	-188.60	460140.27	586561.41	N 32 15 53.04	W 104 3 11.85	0.00	6600.83
	16200.00	90.41	180.58	9484.33	-6701.28	-189.62	460040.29	586560.40	N 32 15 52.05	W 104 3 11.86	0.00	6700.82
	16300.00	90.41	180.58	9483.61	-6801.27	-190.63	459940.31	586559.38	N 32 15 51.06	W 104 3 11.88	0.00	6800.81
IFP2, Drop 2°/100ft	16385.32	90.41	180.58	9483.00	-6886.58	-191.50	459855.00	586558.52	N 32 15 50.21	W 104 3 11.89	0.00	6886.12
	16400.00	90.12	180.58	9482.93	-6901.26	-191.65	459840.32	586558.37	N 32 15 50.07	W 104 3 11.89	2.00	6900.80
Hold	16405.08	90.02	180.58	9482.93	-6906.34	-191.70	459835.24	586558.32	N 32 15 50.02	W 104 3 11.89	2.00	6905.88
	16500.00	90.02	180.58	9482.90	-7001.26	-192.66	459740.34	586557.36	N 32 15 49.08	W 104 3 11.91	0.00	7000.79
	16600.00	90.02	180.58	9482.87	-7101.25	-193.67	459640.35	586556.35	N 32 15 48.09	W 104 3 11.92	0.00	7100.78
	16700.00	90.02	180.58	9482.85	-7201.24	-194.68	459540.36	586555.34	N 32 15 47.10	W 104 3 11.94	0.00	7200.78
	16800.00	90.02	180.58	9482.82	-7301.24	-195.69	459440.38	586554.33	N 32 15 46.11	W 104 3 11.95	0.00	7300.77
	16900.00	90.02	180.58	9482.80	-7401.23	-196.70	459340.39	586553.31	N 32 15 45.12	W 104 3 11.97	0.00	7400.76
	17000.00	90.02	180.58	9482.77	-7501.23	-197.71	459240.40	586552.30	N 32 15 44.13	W 104 3 11.98	0.00	7500.75
	17100.00	90.02	180.58	9482.74	-7601.22	-198.72	459140.42	586551.29	N 32 15 43.14	W 104 3 12.00	0.00	7600.75
	17200.00	90.02	180.58	9482.72	-7701.22	-199.73	459040.43	586550.28	N 32 15 42.15	W 104 3 12.01	0.00	7700.74
	17300.00	90.02	180.58	9482.69	-7801.21	-200.74	458940.44	586549.27	N 32 15 41.16	W 104 3 12.03	0.00	7800.73
	17400.00	90.02	180.58	9482.66	-7901.21	-201.76	458840.46	586548.26	N 32 15 40.17	W 104 3 12.04	0.00	7900.72
	17500.00	90.02	180.58	9482.64	-8001.20	-202.77	458740.47	586547.25	N 32 15 39.18	W 104 3 12.06	0.00	8000.72
	17600.00	90.02	180.58	9482.61	-8101.20	-203.78	458640.48	586546.24	N 32 15 38.19	W 104 3 12.07	0.00	8100.71
	17700.00	90.02	180.58	9482.58	-8201.19	-204.79	458540.50	586545.23	N 32 15 37.20	W 104 3 12.08	0.00	8200.70
	17800.00	90.02	180.58	9482.56	-8301.19	-205.80	458440.51	586544.22	N 32 15 36.21	W 104 3 12.10	0.00	8300.69
	17900.00	90.02	180.58	9482.53	-8401.18	-206.81	458340.52	586543.21	N 32 15 35.23	W 104 3 12.11	0.00	8400.68
	18000.00	90.02	180.58	9482.50	-8501.18	-207.82	458240.54	586542.20	N 32 15 34.24	W 104 3 12.13	0.00	8500.68
	18100.00	90.02	180.58	9482.48	-8601.17	-208.83	458140.55	586541.19	N 32 15 33.25	W 104 3 12.14	0.00	8600.67
	18200.00	90.02	180.58	9482.45	-8701.17	-209.84	458040.57	586540.18	N 32 15 32.26	W 104 3 12.16	0.00	8700.66
	18300.00	90.02	180.58	9482.42	-8801.16	-210.85	457940.58	586539.17	N 32 15 31.27	W 104 3 12.17	0.00	8800.65
	18400.00	90.02	180.58	9482.40	-8901.16	-211.86	457840.59	586538.16	N 32 15 30.28	W 104 3 12.19	0.00	8900.65
	18500.00	90.02	180.58	9482.37	-9001.15	-212.87	457740.61	586537.15	N 32 15 29.29	W 104 3 12.20	0.00	9000.64
	18600.00	90.02	180.58	9482.34	-9101.15	-213.88	457640.62	586536.14	N 32 15 28.30	W 104 3 12.22	0.00	9100.63
	18700.00	90.02	180.58	9482.32	-9201.14	-214.89	457540.63	586535.12	N 32 15 27.31	W 104 3 12.23	0.00	9200.62
	18800.00	90.02	180.58	9482.29	-9301.14	-215.90	457440.65	586534.11	N 32 15 26.32	W 104 3 12.25	0.00	9300.62
	18900.00	90.02	180.58	9482.27	-9401.13	-216.91	457340.66	586533.10	N 32 15 25.33	W 104 3 12.26	0.00	9400.61
	19000.00	90.02	180.58	9482.24	-9501.13	-217.93	457240.67	586532.09	N 32 15 24.34	W 104 3 12.28	0.00	9500.60
	19100.00	90.02	180.58	9482.21	-9601.12	-218.94	457140.69	586531.08	N 32 15 23.35	W 104 3 12.29	0.00	9600.59
	19200.00	90.02	180.58	9482.19	-9701.12	-219.95	457040.70	586530.07	N 32 15 22.36	W 104 3 12.31	0.00	9700.58
	19300.00	90.02	180.58	9482.16	-9801.11	-220.96	456940.71	586529.06	N 32 15 21.37	W 104 3 12.32	0.00	9800.58
	19400.00	90.02	180.58	9482.13	-9901.11	-221.97	456840.73	586528.05	N 32 15 20.38	W 104 3 12.34	0.00	9900.57
	19500.00	90.02	180.58	9482.11	-10001.10	-222.98	456740.74	586527.04	N 32 15 19.39	W 104 3 12.35	0.00	10000.56
	19600.00	90.02	180.58	9482.08	-10101.10	-223.99	456640.75	586526.03	N 32 15 18.40	W 104 3 12.37	0.00	10100.55
	19700.00	90.02	180.58	9482.05	-10201.09	-225.00	456540.77	586525.02	N 32 15 17.41	W 104 3 12.38	0.00	10200.55
	19800.00	90.02	180.58	9482.03	-10301.09	-226.01	456440.78	586524.01	N 32 15 16.43	W 104 3 12.40	0.00	10300.54
LTP Cross	*19849.72*	*90.02*	*180.58*	*9482.01*	*-10350.80*	*-226.51*	*456391.07*	*586523.51*	*N 32 15 15.93*	*W 104 3 12.40*	*0.00*	*10350.25*
CB Tano 26 35 FEE 11 301H - PBHL	19899.80	90.02	180.58	9482.00	-10400.88	-227.02	456341.00	586523.00	N 32 15 15.44	W 104 3 12.41	0.00	10400.33

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	33.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM-Depth Only	CB Tano 26 35 FEE 11 301H / Chevron CB Tano 26 35 FEE 11 301H R1 mdv 12Aug20
	1	33.000	290.000	1/100.000	17.500	13.375		B001Mb_MWD+HRGM	CB Tano 26 35 FEE 11 301H / Chevron CB Tano 26 35 FEE 11
	1	290.000	2622.380	1/100.000	12.250	9.625		B001Mb_MWD+HRGM	CB Tano 26 35 FEE 11 301H / Chevron CB Tano 26 35 FEE 11
	1	2622.380	8740.031	1/100.000	8.750	7.000		B001Mb_MWD+HRGM	CB Tano 26 35 FEE 11 301H / Chevron CB Tano 26 35 FEE 11
	1	8740.031	19899.795	1/100.000	6.125	4.500		B001Mb_MWD+HRGM	CB Tano 26 35 FEE 11 301H / Chevron CB Tano 26 35 FEE 11

Intent [X] As Drilled [ ]

API #

Operator Name:	Property Name:	Well Number
CHEVRON USA INC	CB TANO 26 35 FEE 11	301H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	26	23S	28E		287	FNL	1,130	FEL	EDDY

Latitude	Longitude	NAD
32.282998	104.053118	NAD 83/86

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	26	23S	28E		100	FNL	1,380	FEL	EDDY

Latitude	Longitude	NAD
32.283510	104.053935	NAD 83/86

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	35	23S	28E		100	FSL	1,380	FEL	LEA

Latitude	Longitude	NAD
32.254548	104.053938	NAD 86/86

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

Is this well an infill well? NO

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

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

☒ Original Operator & OGRID No.: CHEVRON U S A INC 4323
☐ Amended Date: 8/27/2020
Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: A C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule 19.15.18.12.A

Wells / Production Facility – CULEBRA BLUFF CENTRAL CTB (SECTION 23)

The wells that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
CB Tano 26 35 Fee 11 301H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1130' FEL	2,200	0	
CB Tano 26 35 Fee 11 401H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1155' FEL	2,900	0	
CB Tano 26 35 Fee 11 402H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1105' FEL	2,900	0	
CB Tano 26 35 Fee 11 403H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1080' FEL	2,900	0	

Gathering System and Pipeline Notification

These Culebra Bluff Tano Package 11 wells will be connected to Chevron's Culebra Bluff Central CTB (Section 23) production facility located in Sec. 23, T23S, R28E, Eddy County, New Mexico during flowback and production. Gas produced from the production facility will be dedicated to Targa Delaware LLC ("Targa") and connected to Targa's high-pressure gathering system in Eddy County, New Mexico. Produced gas will then be processed in Culberson County, Texas at either Targa's Falcon Plant (Sec 9, Blk 58, T1S T&P RR Co Survey) or Peregrine Plant (Sec 47, Blk 61, T1S, T&P RR Co Survey). The actual flow of the gas will be based on compression operating parameters and gathering system pressures. Chevron will periodically provide Targa a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Chevron and Targa will have periodic conference calls to discuss changes to the drilling and completion schedules.

Flowback Strategy

After the fracture treatment/completion operations, wells will be routed to the permanent production facilities. Wells will have temporary sand catchers (separators) that will be installed at the well location to prevent sand from getting into the flowlines. These sand separators will be blown down periodically which will result in minimal venting of gas. Gas sales will start as soon as the wells start flowing through the production facilities unless there are operational issues with Targa's system at that time. Based on current information, it is Chevron's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On Lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared.
- Compressed Natural Gas – On Lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines.
- NGL Removal – On lease and trucked from condensate tanks
  - Plants are expensive and uneconomical to operate when gas volume declines.
  - Any residue gas that results in the future may be flared.

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State of New Mexico
Energy, Minerals and Natural Resources Department

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

Submit Original to Appropriate District Office

GAS CAPTURE PLAN

☒ Original Operator & OGRID No.: CHEVRON U S A INC 4323
☐ Amended Date: 8/27/2020
Reason for Amendment:

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CB Tano 26 35 Fee 11 401H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1155' FEL	2,900	0	
CB Tano 26 35 Fee 11 402H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1105' FEL	2,900	0	
CB Tano 26 35 Fee 11 403H	*Pending*	UL: A, Sec 26, T23S-R28E	287' FNL, 1080' FEL	2,900	0	

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After the fracture treatment/completion operations, wells will be routed to the permanent production facilities. Wells will have temporary sand catchers (separators) that will be installed at the well location to prevent sand from getting into the flowlines. These sand separators will be blown down periodically which will result in minimal venting of gas. Gas sales will start as soon as the wells start flowing through the production facilities unless there are operational issues with Targa's system at that time. Based on current information, it is Chevron's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On Lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared.
- Compressed Natural Gas – On Lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines.
- NGL Removal – On lease and trucked from condensate tanks
  - Plants are expensive and uneconomical to operate when gas volume declines.
  - Any residue gas that results in the future may be flared.

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

All contacts will be updated and will be available on-site prior to drilling operations commencing.

	Name	Title	Office Number	Cell Phone
1.	TBD	Drilling Engineer		
2.	TBD	Superintendent		
5.	Dennis McHugh	Drilling Manager	(713) 372-4496	
6.	TBD	Operations Manager		
7.	TBD	D&C HES		
8.	TBD	Completion Engineer		
9.	TBD	Drill Site Representative		

H_2S Preparedness and Contingency Plan Summary