

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 276870

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

1. Operator Name and Address CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706		2. OGRID Number 4323
		3. API Number 30-015-46635
4. Property Code 327020	5. Property Name CB CAL 25 36 STATE COM 08	6. Well No. 303H

7. Surface Location

UL - Lot D	Section 25	Township 23S	Range 28E	Lot Idn	Feet From 234	N/S Line N	Feet From 634	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot N	Section 36	Township 23S	Range 28E	Lot Idn N	Feet From 25	N/S Line S	Feet From 1845	E/W Line W	County Eddy
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9. Pool Information

CULEBRA BLUFF;BONE SPRING, SOUTH	15011
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2990
16. Multiple N	17. Proposed Depth 20600	18. Formation Bone Spring	19. Contractor	20. Spud Date 4/22/2020
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	16	13.375	54.5	450	120	0
Int1	12.25	9.625	43.5	2700	580	0
Prod	8.75	7	29	8600	560	1200
Liner1	6.25	4.5	11.6	20600	700	8000

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	
Double Ram	10000	10000	

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.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Laura Becerra	Approved By: Raymond Podany	
Title: Regulatory Specialist	Title: Geologist	
Email Address: LBecerra@chevron.com	Approved Date: 1/24/2020	Expiration Date: 1/24/2022
Date: 1/23/2020	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 CAL 25 36 STATE COM 08	303H
⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
4323	CHEVRON U.S.A. INC.	2990'

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
D	25	23 SOUTH	28 EAST, N.M.P.M.		234'	NORTH	634'	WEST	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	1845'	WEST	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.

PROPOSED FIRST TAKE POINT X= 589,723' Y= 466,915' LAT. 32.283331° N LONG. 104.043004° W NAD 27 X= 630,906' Y= 466,974' LAT. 32.283453° N LONG. 104.043498° W NAD83/86 PROPOSED MIDPOINT X= 589,800' Y= 461,624' LAT. 32.268787° N LONG. 104.042799° W NAD 27 X= 630,984' Y= 461,683' LAT. 32.268908° N LONG. 104.043292° W NAD83/86 PROPOSED LAST TAKE POINT X= 589,749' Y= 456,408' LAT. 32.254449° N LONG. 104.043012° W NAD 27 X= 630,932' Y= 456,467' LAT. 32.254570° N LONG. 104.043504° W NAD83/86	CB CAL 25 36 STATE COM 08 NO. 303H X= 588,513' Y= 466,792' LAT. 32.283004° N LONG. 104.046920° W NAD 27 X= 629,696' Y= 466,851' LAT. 32.283125° N LONG. 104.047413° W NAD83/86 ELEVATION +2990' NAVD 88 CORNER COORDINATES TABLE (NAD 27) A - Y=467031.96, X=587875.81 B - Y=467006.94, X=590546.56 C - Y=461629.03, X=590580.23 D - Y=456312.19, X=590550.06 E - Y=456297.71, X=587902.50 F - Y=461611.64, X=587955.45 PROPOSED BOTTOM HOLE LOCATION X= 589,748' Y= 456,333' LAT. 32.254242° N LONG. 104.043015° W NAD 27 X= 630,931' Y= 456,392' LAT. 32.254364° N LONG. 104.043508° W NAD83/86		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. <i>[Signature]</i> 1/6/2020 Signature Date Laura Becerra Printed Name L.Becerra@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. 02/05/2019 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: 22921 07/30/2019 PROFESSIONAL SURVEYOR <i>[Signature]</i> Certificate Number
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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

GAS CAPTURE PLAN

Date: 1/24/2020

☒ Original

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

☐ Amended - 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: 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 CAL 25 36 STATE COM 08 #303H	30-015-46635	D-25-23S-28E	0234N 0634W	1500	None	PROCESSING PLANT LOCATION: Targa's Falcon Plant, NE Culberson County, Texas. Sec. 9, T&P RR CO Blk 58 T1S

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 MIDSTREAM SERVICES LLC and will be connected to TARGA MIDSTREAM SERVICES LLC High Pressure gathering system located in Eddy County, New Mexico. It will require 3500' of pipeline to connect the facility to High Pressure gathering system. CHEVRON U S A INC provides (periodically) to TARGA MIDSTREAM SERVICES 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 MIDSTREAM SERVICES LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at TARGA MIDSTREAM SERVICES LLC Processing Plant located in Sec. 25, 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 MIDSTREAM SERVICES 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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1220 S. St Francis Dr.
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Form APD Comments

Permit 276870

PERMIT COMMENTS

Operator Name and Address: CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706	API Number: 30-015-46635
	Well: CB CAL 25 36 STATE COM 08 #303H

Created By	Comment	Comment Date
rpodany	2 different BHL listed on BHL page...one in wrong section does not match plat.	1/14/2020
rpodany	Fee Cancellation - resubmit with payment	1/15/2020
Ibecerra	Updated Completions tab to match the BHL. Resubmitting APD with new payment.	1/23/2020

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Form APD Conditions

Permit 276870

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706		API Number: 30-015-46635
		Well: CB CAL 25 36 STATE COM 08 #303H
OCD Reviewer	Condition	
rpodany	Will require a directional survey with the C-104	
rpodany	Cement is required to circulate on both surface and intermediate1 strings of casing	
rpodany	Fresh water for surface casing	



H₂S Preparedness and Contingency Plan Summary

CB CAL 25 36 STATE COM 08 301H, 302H, 303H, 401H, 402H & 403H

Training

MCBU Drilling and Completions H₂S 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 H₂S.

Awareness Level

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

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

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

Advanced Level H₂S Training

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

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

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

H₂S Preparedness and Contingency Plan Summary

H₂S Training Certification

All employees and visitors will be issued an H₂S training certification card (or certificate) upon successful completion of the appropriate H₂S training course. Personnel working in an H₂S environment will carry a current H₂S training certification card as proof of having received the proper training on their person at all times.

Briefing Area

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

H₂S Equipment

Respiratory Protection

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

Visual Warning System

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

H₂S Detection and Monitoring System

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

H₂S 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:

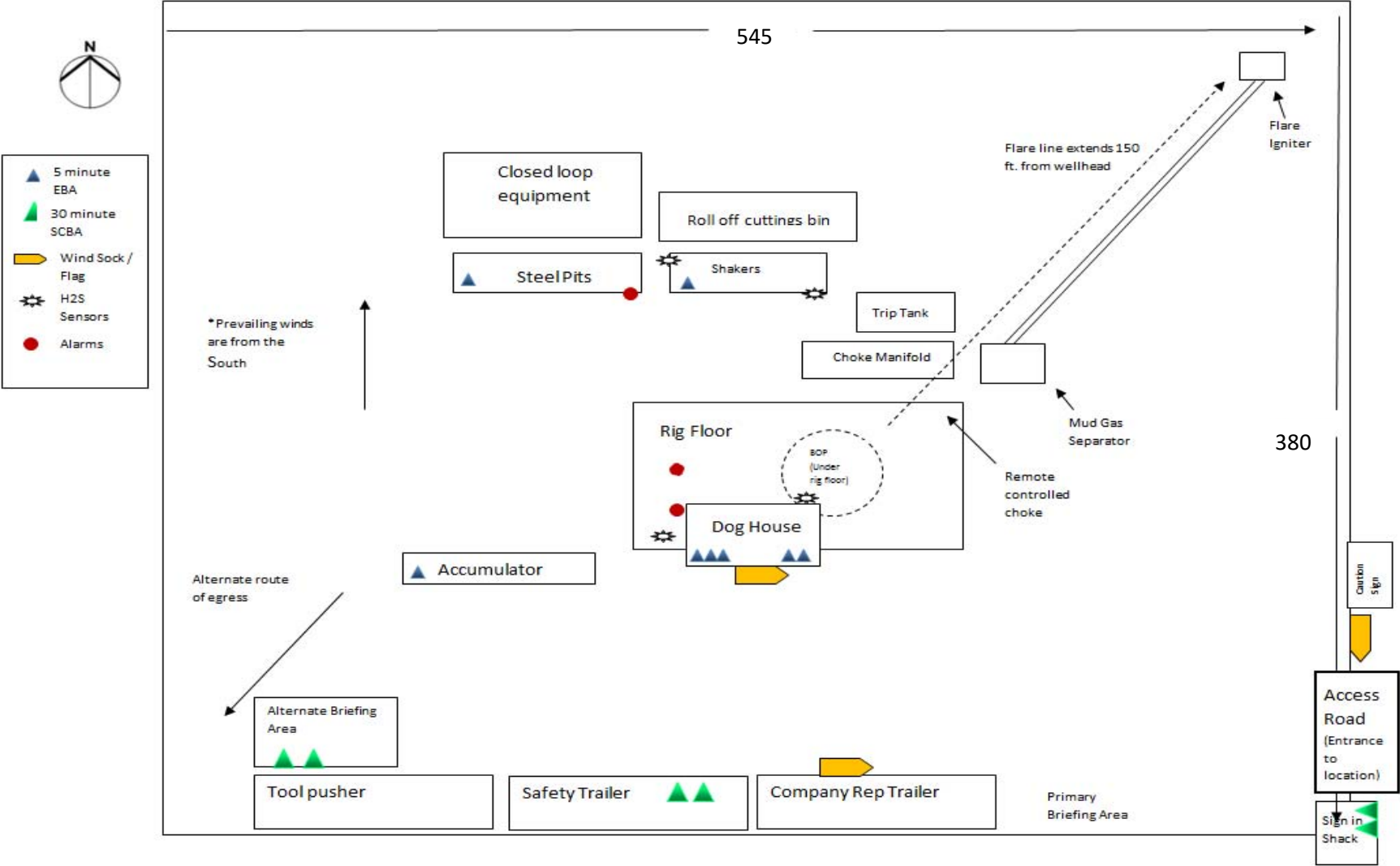
- 1. Use of a degasser
- 2. Use of a zinc based mud treatment
- 3. Increasing mud weight

Public Safety - Emergency Assistance

<u>Agency</u>	<u>Telephone Number</u>
Eddy County Sheriff's Department	575-887-7551
Carlsbad Fire Department	575-885-3125
Carlsbad Medical Center	575-887-4100
Eddy County Emergency Management	575-885-3581
Poison Control Center	800-222-1222



H₂S Preparedness and Contingency Plan Summary



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Oil Conservation Division
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Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

☐ Original Operator & OGRID No.: CHEVRON U S A INC 4323
☐ Amended Date: 10/17/2019
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, recomple 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 CAL 25 36 STATE COM 08 301H (FBS)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 659' FWL	6,000	0	
CB CAL 25 36 STATE COM 08 302H (TBS)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 559' FWL	1,500	0	
CB CAL 25 36 STATE COM 08 303H (TBS)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 634' FWL	1,500	0	
CB CAL 25 36 STATE COM 08 401H (WCA)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 534' FWL	2,500	0	
CB CAL 25 36 STATE COM 08 402H (WCA)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 584' FWL	2,500	0	
CB CAL 25 36 STATE COM 08 403H (WCA)	<i>Pending</i>	UL: D, SEC 25, T23S-R28E	234' FNL, 609' FWL	2,500	0	

Gathering System and Pipeline Notification

These Culebra Bluff Cal Package 8 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 at Targa's Falcon Plant located in northeast Culberson County, Texas. 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.

Intent ☒ As Drilled ☐

API #		
Operator Name: CHEVRON U.S.A. INC	Property Name: CB CAL 25 36 STATE COM 08	Well Number 303H

Kick Off Point (KOP)

UL D	Section 25	Township 23S	Range 28E	Lot	Feet 234	From N/S FNL	Feet 634	From E/W FWL	County EDDY
Latitude 32.283125					Longitude -104.047413			NAD NAD83/86	

First Take Point (FTP)

UL C	Section 25	Township 23S	Range 28E	Lot	Feet 100	From N/S FNL	Feet 1,845	From E/W FWL	County EDDY
Latitude 32.283453					Longitude -104.043498			NAD NAD83/86	

Last Take Point (LTP)

UL N	Section 36	Township 23S	Range 28E	Lot	Feet 100	From N/S FSL	Feet 1,845	From E/W FWL	County EDDY
Latitude 32.254570					Longitude -104.043504			NAD NAD83/86	

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



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	GilbjosI
Scale	0.999918	Report Generated	15-Oct-19 at 12:12:42 PM
Convergence at slot	0.15° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1.00	75.01	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W
Facility Reference Pt			588438.00	466793.00	32°16'58.823"N	104°02'49.785"W
Field Reference Pt			152400.30	0.00	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 257 (KB) to Facility Vertical Datum	3018.00ft
Horizontal Reference Pt	Slot	Patterson 257 (KB) to Mean Sea Level	3018.00ft
Vertical Reference Pt	Patterson 257 (KB)	Patterson 257 (KB) to Ground Level at Slot (CB CAL 25 36 STATE COM 08 303H)	28.00ft
MD Reference Pt	Patterson 257 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.87°



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	56.947	0.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
28.00	0.000	56.947	28.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	Tie On
128.00†	0.000	56.947	128.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
228.00†	0.000	56.947	228.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
328.00†	0.000	56.947	328.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
428.00†	0.000	56.947	428.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
528.00†	0.000	56.947	528.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
628.00†	0.000	56.947	628.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	
650.00	0.000	56.947	650.00	0.00	0.00	0.00	588513.00	466792.00	32°16'58.811"N	104°02'48.912"W	0.00	0.00	0.00	Start Build
728.00†	1.170	56.947	727.99	-0.43	0.43	0.67	588513.67	466792.43	32°16'58.815"N	104°02'48.904"W	1.50	1.50	73.01	
828.00†	2.670	56.947	827.94	-2.25	2.26	3.48	588516.48	466794.26	32°16'58.833"N	104°02'48.871"W	1.50	1.50	0.00	
928.00†	4.170	56.947	927.75	-5.50	5.52	8.48	588521.47	466797.51	32°16'58.865"N	104°02'48.813"W	1.50	1.50	0.00	
1028.00†	5.670	56.947	1027.38	-10.16	10.19	15.66	588528.66	466802.19	32°16'58.912"N	104°02'48.729"W	1.50	1.50	0.00	
1128.00†	7.170	56.947	1126.75	-16.23	16.29	25.04	588538.03	466808.29	32°16'58.972"N	104°02'48.620"W	1.50	1.50	0.00	
1228.00†	8.670	56.947	1225.80	-23.72	23.81	36.58	588549.58	466815.80	32°16'59.046"N	104°02'48.485"W	1.50	1.50	0.00	
1328.00†	10.170	56.947	1324.45	-32.62	32.73	50.30	588563.30	466824.73	32°16'59.134"N	104°02'48.325"W	1.50	1.50	0.00	
1428.00†	11.670	56.947	1422.63	-42.91	43.07	66.18	588579.17	466835.06	32°16'59.236"N	104°02'48.140"W	1.50	1.50	0.00	
1528.00†	13.170	56.947	1520.29	-54.60	54.80	84.21	588597.20	466846.79	32°16'59.351"N	104°02'47.929"W	1.50	1.50	0.00	
1628.00†	14.670	56.947	1617.35	-67.68	67.92	104.37	588617.36	466859.91	32°16'59.480"N	104°02'47.694"W	1.50	1.50	0.00	
1650.00	15.000	56.947	1638.62	-70.74	70.99	109.09	588622.08	466862.98	32°16'59.511"N	104°02'47.639"W	1.50	1.50	0.00	End of Build
1728.00†	15.000	56.947	1713.96	-81.71	82.00	126.01	588639.00	466873.99	32°16'59.619"N	104°02'47.442"W	0.00	0.00	0.00	
1828.00†	15.000	56.947	1810.55	-95.78	96.12	147.70	588660.69	466888.11	32°16'59.758"N	104°02'47.188"W	0.00	0.00	0.00	
1928.00†	15.000	56.947	1907.14	-109.85	110.23	169.40	588682.38	466902.22	32°16'59.897"N	104°02'46.935"W	0.00	0.00	0.00	
2028.00†	15.000	56.947	2003.74	-123.91	124.35	191.09	588704.07	466916.34	32°17'00.037"N	104°02'46.682"W	0.00	0.00	0.00	
2128.00†	15.000	56.947	2100.33	-137.98	138.47	212.78	588725.77	466930.45	32°17'00.176"N	104°02'46.429"W	0.00	0.00	0.00	
2228.00†	15.000	56.947	2196.92	-152.05	152.58	234.48	588747.46	466944.57	32°17'00.315"N	104°02'46.176"W	0.00	0.00	0.00	
2328.00†	15.000	56.947	2293.51	-166.12	166.70	256.17	588769.15	466958.68	32°17'00.454"N	104°02'45.923"W	0.00	0.00	0.00	
2428.00†	15.000	56.947	2390.11	-180.18	180.81	277.86	588790.84	466972.80	32°17'00.593"N	104°02'45.670"W	0.00	0.00	0.00	
2528.00†	15.000	56.947	2486.70	-194.25	194.93	299.56	588812.53	466986.91	32°17'00.732"N	104°02'45.417"W	0.00	0.00	0.00	
2628.00†	15.000	56.947	2583.29	-208.32	209.05	321.25	588834.22	467001.03	32°17'00.871"N	104°02'45.163"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
2728.00†	15.000	56.947	2679.88	-222.39	223.16	342.94	588855.91	467015.15	32°17'01.010"N	104°02'44.910"W	0.00	0.00	0.00	
2828.00†	15.000	56.947	2776.48	-236.45	237.28	364.64	588877.61	467029.26	32°17'01.149"N	104°02'44.657"W	0.00	0.00	0.00	
2928.00†	15.000	56.947	2873.07	-250.52	251.40	386.33	588899.30	467043.38	32°17'01.289"N	104°02'44.404"W	0.00	0.00	0.00	
3028.00†	15.000	56.947	2969.66	-264.59	265.51	408.02	588920.99	467057.49	32°17'01.428"N	104°02'44.151"W	0.00	0.00	0.00	
3128.00†	15.000	56.947	3066.25	-278.65	279.63	429.72	588942.68	467071.61	32°17'01.567"N	104°02'43.898"W	0.00	0.00	0.00	
3228.00†	15.000	56.947	3162.85	-292.72	293.75	451.41	588964.37	467085.72	32°17'01.706"N	104°02'43.645"W	0.00	0.00	0.00	
3328.00†	15.000	56.947	3259.44	-306.79	307.86	473.10	588986.06	467099.84	32°17'01.845"N	104°02'43.392"W	0.00	0.00	0.00	
3428.00†	15.000	56.947	3356.03	-320.86	321.98	494.80	589007.75	467113.95	32°17'01.984"N	104°02'43.138"W	0.00	0.00	0.00	
3528.00†	15.000	56.947	3452.62	-334.92	336.10	516.49	589029.45	467128.07	32°17'02.123"N	104°02'42.885"W	0.00	0.00	0.00	
3628.00†	15.000	56.947	3549.22	-348.99	350.21	538.18	589051.14	467142.18	32°17'02.262"N	104°02'42.632"W	0.00	0.00	0.00	
3728.00†	15.000	56.947	3645.81	-363.06	364.33	559.88	589072.83	467156.30	32°17'02.401"N	104°02'42.379"W	0.00	0.00	0.00	
3828.00†	15.000	56.947	3742.40	-377.12	378.45	581.57	589094.52	467170.41	32°17'02.541"N	104°02'42.126"W	0.00	0.00	0.00	
3928.00†	15.000	56.947	3838.99	-391.19	392.56	603.26	589116.21	467184.53	32°17'02.680"N	104°02'41.873"W	0.00	0.00	0.00	
4028.00†	15.000	56.947	3935.59	-405.26	406.68	624.96	589137.90	467198.64	32°17'02.819"N	104°02'41.620"W	0.00	0.00	0.00	
4128.00†	15.000	56.947	4032.18	-419.33	420.79	646.65	589159.59	467212.76	32°17'02.958"N	104°02'41.367"W	0.00	0.00	0.00	
4228.00†	15.000	56.947	4128.77	-433.39	434.91	668.34	589181.29	467226.87	32°17'03.097"N	104°02'41.113"W	0.00	0.00	0.00	
4328.00†	15.000	56.947	4225.37	-447.46	449.03	690.04	589202.98	467240.99	32°17'03.236"N	104°02'40.860"W	0.00	0.00	0.00	
4428.00†	15.000	56.947	4321.96	-461.53	463.14	711.73	589224.67	467255.11	32°17'03.375"N	104°02'40.607"W	0.00	0.00	0.00	
4528.00†	15.000	56.947	4418.55	-475.60	477.26	733.42	589246.36	467269.22	32°17'03.514"N	104°02'40.354"W	0.00	0.00	0.00	
4628.00†	15.000	56.947	4515.14	-489.66	491.38	755.12	589268.05	467283.34	32°17'03.653"N	104°02'40.101"W	0.00	0.00	0.00	
4728.00†	15.000	56.947	4611.74	-503.73	505.49	776.81	589289.74	467297.45	32°17'03.793"N	104°02'39.848"W	0.00	0.00	0.00	
4828.00†	15.000	56.947	4708.33	-517.80	519.61	798.50	589311.44	467311.57	32°17'03.932"N	104°02'39.595"W	0.00	0.00	0.00	
4928.00†	15.000	56.947	4804.92	-531.86	533.73	820.20	589333.13	467325.68	32°17'04.071"N	104°02'39.342"W	0.00	0.00	0.00	
5028.00†	15.000	56.947	4901.51	-545.93	547.84	841.89	589354.82	467339.80	32°17'04.210"N	104°02'39.088"W	0.00	0.00	0.00	
5128.00†	15.000	56.947	4998.11	-560.00	561.96	863.58	589376.51	467353.91	32°17'04.349"N	104°02'38.835"W	0.00	0.00	0.00	
5137.67	15.000	56.947	5007.45	-561.36	563.33	865.68	589378.61	467355.28	32°17'04.362"N	104°02'38.811"W	0.00	0.00	0.00	Start Drop
5228.00†	14.323	56.947	5094.83	-573.79	575.79	884.84	589397.77	467367.75	32°17'04.485"N	104°02'38.587"W	0.75	-0.75	0.00	
5328.00†	13.573	56.947	5191.89	-586.89	588.94	905.04	589417.97	467380.89	32°17'04.615"N	104°02'38.351"W	0.75	-0.75	0.00	
5428.00†	12.823	56.947	5289.24	-599.29	601.39	924.18	589437.10	467393.34	32°17'04.738"N	104°02'38.128"W	0.75	-0.75	0.00	
5528.00†	12.073	56.947	5386.89	-611.01	613.15	942.25	589455.17	467405.10	32°17'04.853"N	104°02'37.917"W	0.75	-0.75	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5628.00†	11.323	56.947	5484.82	-622.03	624.21	959.24	589472.16	467416.16	32°17'04.962"N	104°02'37.719"W	0.75	-0.75	0.00	
5728.00†	10.573	56.947	5582.99	-632.35	634.57	975.16	589488.08	467426.51	32°17'05.064"N	104°02'37.533"W	0.75	-0.75	0.00	
5828.00†	9.823	56.947	5681.41	-641.97	644.22	990.00	589502.91	467436.17	32°17'05.160"N	104°02'37.360"W	0.75	-0.75	0.00	
5928.00†	9.073	56.947	5780.06	-650.90	653.17	1003.75	589516.67	467445.12	32°17'05.248"N	104°02'37.200"W	0.75	-0.75	0.00	
6028.00†	8.323	56.947	5878.91	-659.11	661.42	1016.43	589529.34	467453.37	32°17'05.329"N	104°02'37.052"W	0.75	-0.75	0.00	
6128.00†	7.573	56.947	5977.95	-666.63	668.96	1028.02	589540.93	467460.91	32°17'05.403"N	104°02'36.917"W	0.75	-0.75	0.00	
6228.00†	6.823	56.947	6077.16	-673.44	675.80	1038.52	589551.43	467467.74	32°17'05.471"N	104°02'36.794"W	0.75	-0.75	0.00	
6328.00†	6.073	56.947	6176.52	-679.54	681.92	1047.93	589560.84	467473.86	32°17'05.531"N	104°02'36.684"W	0.75	-0.75	0.00	
6428.00†	5.323	56.947	6276.03	-684.94	687.34	1056.25	589569.16	467479.28	32°17'05.584"N	104°02'36.587"W	0.75	-0.75	0.00	
6528.00†	4.573	56.947	6375.66	-689.63	692.04	1063.48	589576.39	467483.98	32°17'05.631"N	104°02'36.503"W	0.75	-0.75	0.00	
6628.00†	3.823	56.947	6475.39	-693.60	696.03	1069.62	589582.53	467487.97	32°17'05.670"N	104°02'36.431"W	0.75	-0.75	0.00	
6728.00†	3.073	56.947	6575.20	-696.87	699.31	1074.66	589587.57	467491.25	32°17'05.702"N	104°02'36.372"W	0.75	-0.75	0.00	
6828.00†	2.323	56.947	6675.09	-699.43	701.88	1078.60	589591.51	467493.82	32°17'05.728"N	104°02'36.326"W	0.75	-0.75	0.00	
6928.00†	1.573	56.947	6775.03	-701.28	703.73	1081.45	589594.36	467495.67	32°17'05.746"N	104°02'36.293"W	0.75	-0.75	0.00	
7028.00†	0.823	56.947	6875.01	-702.41	704.87	1083.20	589596.11	467496.81	32°17'05.757"N	104°02'36.273"W	0.75	-0.75	0.00	
7128.00†	0.073	56.947	6975.01	-702.84	705.30	1083.86	589596.76	467497.24	32°17'05.761"N	104°02'36.265"W	0.75	-0.75	0.00	
7137.67	0.000	157.500	6984.68	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.75	-0.75	-588.82	End Drop
7228.00†	0.000	157.500	7075.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7328.00†	0.000	157.500	7175.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7428.00†	0.000	157.500	7275.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7528.00†	0.000	157.500	7375.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7628.00†	0.000	157.500	7475.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7728.00†	0.000	157.500	7575.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7828.00†	0.000	157.500	7675.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
7928.00†	0.000	157.500	7775.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8028.00†	0.000	157.500	7875.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8128.00†	0.000	157.500	7975.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8228.00†	0.000	157.500	8075.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8328.00†	0.000	157.500	8175.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8428.00†	0.000	157.500	8275.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8528.00†	0.000	157.500	8375.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8628.00†	0.000	157.500	8475.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8728.00†	0.000	157.500	8575.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8828.00†	0.000	157.500	8675.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
8928.00†	0.000	157.500	8775.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
9028.00†	0.000	157.500	8875.01	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	
9082.35	0.000	157.500	8929.35	-702.84	705.30	1083.86	589596.77	467497.24	32°17'05.762"N	104°02'36.265"W	0.00	0.00	0.00	Curve KOP
9128.00†	4.565	157.500	8974.96	-701.16	703.62	1084.56	589597.46	467495.56	32°17'05.745"N	104°02'36.257"W	10.00	10.00	344.99	
9228.00†	14.565	157.500	9073.44	-685.81	688.29	1090.91	589603.82	467480.23	32°17'05.593"N	104°02'36.183"W	10.00	10.00	0.00	
9328.00†	24.565	157.500	9167.55	-654.88	657.39	1103.71	589616.61	467449.33	32°17'05.287"N	104°02'36.035"W	10.00	10.00	0.00	
9428.00†	34.565	157.500	9254.42	-609.31	611.86	1122.56	589635.47	467403.81	32°17'04.836"N	104°02'35.817"W	10.00	10.00	0.00	
9482.35	40.000	157.500	9297.64	-578.88	581.46	1135.16	589648.06	467373.41	32°17'04.535"N	104°02'35.671"W	10.00	10.00	0.00	Cont. Build/Start Turn
9528.00†	44.094	160.519	9331.54	-550.31	552.91	1146.08	589658.98	467344.87	32°17'04.252"N	104°02'35.545"W	10.00	8.97	6.61	
9628.00†	53.279	165.805	9397.52	-478.43	481.08	1167.56	589680.46	467273.04	32°17'03.540"N	104°02'35.297"W	10.00	9.18	5.29	
9728.00†	62.646	169.944	9450.52	-395.60	398.29	1185.19	589698.09	467190.25	32°17'02.721"N	104°02'35.094"W	10.00	9.37	4.14	
9828.00†	72.116	173.429	9488.95	-304.33	307.05	1198.42	589711.32	467099.03	32°17'01.818"N	104°02'34.943"W	10.00	9.47	3.49	
9928.00†	81.642	176.558	9511.63	-207.42	210.16	1206.86	589719.76	467002.14	32°17'00.859"N	104°02'34.848"W	10.00	9.53	3.13	
10015.53	90.000	179.166	9518.00†	-120.26	123.01	1210.10	589723.00	466915.00	32°16'59.996"N	104°02'34.813"W	10.00	9.55	2.98	End Build/Turn - Landing
10028.00†	90.000	179.166	9518.00	-107.79	110.54	1210.28	589723.18	466902.53	32°16'59.873"N	104°02'34.811"W	0.00	0.00	0.00	
10128.00†	90.000	179.166	9518.00	-7.80	10.55	1211.74	589724.64	466802.55	32°16'58.883"N	104°02'34.797"W	0.00	0.00	0.00	
10228.00†	90.000	179.166	9518.00	92.19	-89.44	1213.19	589726.09	466702.57	32°16'57.894"N	104°02'34.784"W	0.00	0.00	0.00	
10328.00†	90.000	179.166	9518.00	192.19	-189.43	1214.65	589727.55	466602.58	32°16'56.904"N	104°02'34.770"W	0.00	0.00	0.00	
10428.00†	90.000	179.166	9518.00	292.18	-289.42	1216.10	589729.00	466502.60	32°16'55.915"N	104°02'34.756"W	0.00	0.00	0.00	
10528.00†	90.000	179.166	9518.00	392.17	-389.41	1217.56	589730.46	466402.62	32°16'54.925"N	104°02'34.742"W	0.00	0.00	0.00	
10628.00†	90.000	179.166	9518.00	492.16	-489.40	1219.01	589731.91	466302.64	32°16'53.936"N	104°02'34.728"W	0.00	0.00	0.00	
10728.00†	90.000	179.166	9518.00	592.16	-589.39	1220.47	589733.37	466202.66	32°16'52.946"N	104°02'34.715"W	0.00	0.00	0.00	
10828.00†	90.000	179.166	9518.00	692.15	-689.38	1221.92	589734.82	466102.68	32°16'51.957"N	104°02'34.701"W	0.00	0.00	0.00	
10928.00†	90.000	179.166	9518.00	792.14	-789.37	1223.38	589736.28	466002.70	32°16'50.968"N	104°02'34.687"W	0.00	0.00	0.00	
11028.00†	90.000	179.166	9518.00	892.13	-889.36	1224.83	589737.73	465902.72	32°16'49.978"N	104°02'34.673"W	0.00	0.00	0.00	
11128.00†	90.000	179.166	9518.00	992.13	-989.35	1226.29	589739.19	465802.74	32°16'48.989"N	104°02'34.659"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11228.00†	90.000	179.166	9518.00	1092.12	-1089.34	1227.74	589740.64	465702.76	32°16'47.999"N	104°02'34.646"W	0.00	0.00	0.00	
11328.00†	90.000	179.166	9518.00	1192.11	-1189.33	1229.20	589742.10	465602.77	32°16'47.010"N	104°02'34.632"W	0.00	0.00	0.00	
11428.00†	90.000	179.166	9518.00	1292.10	-1289.32	1230.66	589743.55	465502.79	32°16'46.020"N	104°02'34.618"W	0.00	0.00	0.00	
11528.00†	90.000	179.166	9518.00	1392.10	-1389.30	1232.11	589745.01	465402.81	32°16'45.031"N	104°02'34.604"W	0.00	0.00	0.00	
11628.00†	90.000	179.166	9518.00	1492.09	-1489.29	1233.57	589746.46	465302.83	32°16'44.041"N	104°02'34.590"W	0.00	0.00	0.00	
11728.00†	90.000	179.166	9518.00	1592.08	-1589.28	1235.02	589747.92	465202.85	32°16'43.052"N	104°02'34.577"W	0.00	0.00	0.00	
11828.00†	90.000	179.166	9518.00	1692.07	-1689.27	1236.48	589749.37	465102.87	32°16'42.062"N	104°02'34.563"W	0.00	0.00	0.00	
11928.00†	90.000	179.166	9518.00	1792.07	-1789.26	1237.93	589750.83	465002.89	32°16'41.073"N	104°02'34.549"W	0.00	0.00	0.00	
12028.00†	90.000	179.166	9518.00	1892.06	-1889.25	1239.39	589752.28	464902.91	32°16'40.083"N	104°02'34.535"W	0.00	0.00	0.00	
12128.00†	90.000	179.166	9518.00	1992.05	-1989.24	1240.84	589753.74	464802.93	32°16'39.094"N	104°02'34.521"W	0.00	0.00	0.00	
12228.00†	90.000	179.166	9518.00	2092.04	-2089.23	1242.30	589755.19	464702.94	32°16'38.104"N	104°02'34.508"W	0.00	0.00	0.00	
12328.00†	90.000	179.166	9518.00	2192.04	-2189.22	1243.75	589756.65	464602.96	32°16'37.115"N	104°02'34.494"W	0.00	0.00	0.00	
12428.00†	90.000	179.166	9518.00	2292.03	-2289.21	1245.21	589758.10	464502.98	32°16'36.126"N	104°02'34.480"W	0.00	0.00	0.00	
12528.00†	90.000	179.166	9518.00	2392.02	-2389.20	1246.66	589759.56	464403.00	32°16'35.136"N	104°02'34.466"W	0.00	0.00	0.00	
12628.00†	90.000	179.166	9518.00	2492.01	-2489.19	1248.12	589761.01	464303.02	32°16'34.147"N	104°02'34.452"W	0.00	0.00	0.00	
12728.00†	90.000	179.166	9518.00	2592.01	-2589.18	1249.57	589762.47	464203.04	32°16'33.157"N	104°02'34.439"W	0.00	0.00	0.00	
12828.00†	90.000	179.166	9518.00	2692.00	-2689.17	1251.03	589763.92	464103.06	32°16'32.168"N	104°02'34.425"W	0.00	0.00	0.00	
12928.00†	90.000	179.166	9518.00	2791.99	-2789.16	1252.48	589765.38	464003.08	32°16'31.178"N	104°02'34.411"W	0.00	0.00	0.00	
13028.00†	90.000	179.166	9518.00	2891.98	-2889.15	1253.94	589766.83	463903.10	32°16'30.189"N	104°02'34.397"W	0.00	0.00	0.00	
13128.00†	90.000	179.166	9518.00	2991.98	-2989.14	1255.39	589768.29	463803.12	32°16'29.199"N	104°02'34.383"W	0.00	0.00	0.00	
13228.00†	90.000	179.166	9518.00	3091.97	-3089.12	1256.85	589769.74	463703.13	32°16'28.210"N	104°02'34.370"W	0.00	0.00	0.00	
13328.00†	90.000	179.166	9518.00	3191.96	-3189.11	1258.30	589771.20	463603.15	32°16'27.220"N	104°02'34.356"W	0.00	0.00	0.00	
13428.00†	90.000	179.166	9518.00	3291.95	-3289.10	1259.76	589772.65	463503.17	32°16'26.231"N	104°02'34.342"W	0.00	0.00	0.00	
13528.00†	90.000	179.166	9518.00	3391.95	-3389.09	1261.21	589774.11	463403.19	32°16'25.241"N	104°02'34.328"W	0.00	0.00	0.00	
13628.00†	90.000	179.166	9518.00	3491.94	-3489.08	1262.67	589775.56	463303.21	32°16'24.252"N	104°02'34.314"W	0.00	0.00	0.00	
13728.00†	90.000	179.166	9518.00	3591.93	-3589.07	1264.12	589777.02	463203.23	32°16'23.262"N	104°02'34.301"W	0.00	0.00	0.00	
13828.00†	90.000	179.166	9518.00	3691.92	-3689.06	1265.58	589778.47	463103.25	32°16'22.273"N	104°02'34.287"W	0.00	0.00	0.00	
13928.00†	90.000	179.166	9518.00	3791.92	-3789.05	1267.03	589779.93	463003.27	32°16'21.283"N	104°02'34.273"W	0.00	0.00	0.00	
14028.00†	90.000	179.166	9518.00	3891.91	-3889.04	1268.49	589781.38	462903.29	32°16'20.294"N	104°02'34.259"W	0.00	0.00	0.00	
14128.00†	90.000	179.166	9518.00	3991.90	-3989.03	1269.94	589782.84	462803.31	32°16'19.305"N	104°02'34.245"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14228.00†	90.000	179.166	9518.00	4091.89	-4089.02	1271.40	589784.29	462703.32	32°16'18.315"N	104°02'34.232"W	0.00	0.00	0.00	
14328.00†	90.000	179.166	9518.00	4191.89	-4189.01	1272.85	589785.75	462603.34	32°16'17.326"N	104°02'34.218"W	0.00	0.00	0.00	
14428.00†	90.000	179.166	9518.00	4291.88	-4289.00	1274.31	589787.20	462503.36	32°16'16.336"N	104°02'34.204"W	0.00	0.00	0.00	
14528.00†	90.000	179.166	9518.00	4391.87	-4388.99	1275.76	589788.66	462403.38	32°16'15.347"N	104°02'34.190"W	0.00	0.00	0.00	
14628.00†	90.000	179.166	9518.00	4491.86	-4488.98	1277.22	589790.11	462303.40	32°16'14.357"N	104°02'34.177"W	0.00	0.00	0.00	
14728.00†	90.000	179.166	9518.00	4591.86	-4588.97	1278.68	589791.57	462203.42	32°16'13.368"N	104°02'34.163"W	0.00	0.00	0.00	
14828.00†	90.000	179.166	9518.00	4691.85	-4688.96	1280.13	589793.02	462103.44	32°16'12.378"N	104°02'34.149"W	0.00	0.00	0.00	
14928.00†	90.000	179.166	9518.00	4791.84	-4788.94	1281.59	589794.48	462003.46	32°16'11.389"N	104°02'34.135"W	0.00	0.00	0.00	
15028.00†	90.000	179.166	9518.00	4891.83	-4888.93	1283.04	589795.93	461903.48	32°16'10.399"N	104°02'34.121"W	0.00	0.00	0.00	
15128.00†	90.000	179.166	9518.00	4991.82	-4988.92	1284.50	589797.39	461803.50	32°16'09.410"N	104°02'34.108"W	0.00	0.00	0.00	
15228.00†	90.000	179.166	9518.00	5091.82	-5088.91	1285.95	589798.84	461703.51	32°16'08.420"N	104°02'34.094"W	0.00	0.00	0.00	
15307.53	90.000	179.166	9518.00 ²	5171.34	-5168.43	1287.11	589800.00	461624.00	32°16'07.633"N	104°02'34.083"W	0.00	0.00	0.00	Start Turn
15328.00†	90.000	179.576	9518.00	5191.81	-5188.90	1287.33	589800.22	461603.53	32°16'07.431"N	104°02'34.081"W	2.00	0.00	2.00	
15377.84	90.000	180.572	9518.00	5241.65	-5238.74	1287.27	589800.16	461553.70	32°16'06.938"N	104°02'34.083"W	2.00	0.00	2.00	End Turn
15428.00†	90.000	180.572	9518.00	5291.81	-5288.90	1286.77	589799.66	461503.54	32°16'06.441"N	104°02'34.091"W	0.00	0.00	0.00	
15528.00†	90.000	180.572	9518.00	5391.80	-5388.89	1285.77	589798.66	461403.56	32°16'05.452"N	104°02'34.105"W	0.00	0.00	0.00	
15628.00†	90.000	180.572	9518.00	5491.79	-5488.89	1284.77	589797.66	461303.57	32°16'04.462"N	104°02'34.120"W	0.00	0.00	0.00	
15728.00†	90.000	180.572	9518.00	5591.78	-5588.88	1283.77	589796.66	461203.58	32°16'03.473"N	104°02'34.135"W	0.00	0.00	0.00	
15828.00†	90.000	180.572	9518.00	5691.78	-5688.88	1282.77	589795.66	461103.60	32°16'02.484"N	104°02'34.150"W	0.00	0.00	0.00	
15928.00†	90.000	180.572	9518.00	5791.77	-5788.87	1281.77	589794.66	461003.61	32°16'01.494"N	104°02'34.164"W	0.00	0.00	0.00	
16028.00†	90.000	180.572	9518.00	5891.76	-5888.87	1280.77	589793.67	460903.62	32°16'00.505"N	104°02'34.179"W	0.00	0.00	0.00	
16128.00†	90.000	180.572	9518.00	5991.75	-5988.86	1279.77	589792.67	460803.64	32°15'59.515"N	104°02'34.194"W	0.00	0.00	0.00	
16228.00†	90.000	180.572	9518.00	6091.75	-6088.86	1278.77	589791.67	460703.65	32°15'58.526"N	104°02'34.209"W	0.00	0.00	0.00	
16328.00†	90.000	180.572	9518.00	6191.74	-6188.85	1277.78	589790.67	460603.66	32°15'57.536"N	104°02'34.224"W	0.00	0.00	0.00	
16428.00†	90.000	180.572	9518.00	6291.73	-6288.85	1276.78	589789.67	460503.68	32°15'56.547"N	104°02'34.238"W	0.00	0.00	0.00	
16528.00†	90.000	180.572	9518.00	6391.72	-6388.84	1275.78	589788.67	460403.69	32°15'55.557"N	104°02'34.253"W	0.00	0.00	0.00	
16628.00†	90.000	180.572	9518.00	6491.72	-6488.84	1274.78	589787.67	460303.70	32°15'54.568"N	104°02'34.268"W	0.00	0.00	0.00	
16728.00†	90.000	180.572	9518.00	6591.71	-6588.84	1273.78	589786.67	460203.72	32°15'53.578"N	104°02'34.283"W	0.00	0.00	0.00	
16828.00†	90.000	180.572	9518.00	6691.70	-6688.83	1272.78	589785.67	460103.73	32°15'52.589"N	104°02'34.298"W	0.00	0.00	0.00	
16928.00†	90.000	180.572	9518.00	6791.69	-6788.83	1271.78	589784.67	460003.74	32°15'51.600"N	104°02'34.312"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17028.00†	90.000	180.572	9518.00	6891.69	-6888.82	1270.78	589783.68	459903.76	32°15'50.610"N	104°02'34.327"W	0.00	0.00	0.00	
17128.00†	90.000	180.572	9518.00	6991.68	-6988.82	1269.78	589782.68	459803.77	32°15'49.621"N	104°02'34.342"W	0.00	0.00	0.00	
17228.00†	90.000	180.572	9518.00	7091.67	-7088.81	1268.78	589781.68	459703.78	32°15'48.631"N	104°02'34.357"W	0.00	0.00	0.00	
17328.00†	90.000	180.572	9518.00	7191.66	-7188.81	1267.79	589780.68	459603.80	32°15'47.642"N	104°02'34.371"W	0.00	0.00	0.00	
17428.00†	90.000	180.572	9518.00	7291.66	-7288.80	1266.79	589779.68	459503.81	32°15'46.652"N	104°02'34.386"W	0.00	0.00	0.00	
17528.00†	90.000	180.572	9518.00	7391.65	-7388.80	1265.79	589778.68	459403.83	32°15'45.663"N	104°02'34.401"W	0.00	0.00	0.00	
17628.00†	90.000	180.572	9518.00	7491.64	-7488.79	1264.79	589777.68	459303.84	32°15'44.673"N	104°02'34.416"W	0.00	0.00	0.00	
17728.00†	90.000	180.572	9518.00	7591.63	-7588.79	1263.79	589776.68	459203.85	32°15'43.684"N	104°02'34.431"W	0.00	0.00	0.00	
17828.00†	90.000	180.572	9518.00	7691.63	-7688.78	1262.79	589775.68	459103.87	32°15'42.694"N	104°02'34.445"W	0.00	0.00	0.00	
17928.00†	90.000	180.572	9518.00	7791.62	-7788.78	1261.79	589774.68	459003.88	32°15'41.705"N	104°02'34.460"W	0.00	0.00	0.00	
18028.00†	90.000	180.572	9518.00	7891.61	-7888.77	1260.79	589773.69	458903.89	32°15'40.715"N	104°02'34.475"W	0.00	0.00	0.00	
18128.00†	90.000	180.572	9518.00	7991.60	-7988.77	1259.79	589772.69	458803.91	32°15'39.726"N	104°02'34.490"W	0.00	0.00	0.00	
18228.00†	90.000	180.572	9518.00	8091.60	-8088.76	1258.79	589771.69	458703.92	32°15'38.737"N	104°02'34.505"W	0.00	0.00	0.00	
18328.00†	90.000	180.572	9518.00	8191.59	-8188.76	1257.79	589770.69	458603.93	32°15'37.747"N	104°02'34.519"W	0.00	0.00	0.00	
18428.00†	90.000	180.572	9518.00	8291.58	-8288.75	1256.80	589769.69	458503.95	32°15'36.758"N	104°02'34.534"W	0.00	0.00	0.00	
18528.00†	90.000	180.572	9518.00	8391.57	-8388.75	1255.80	589768.69	458403.96	32°15'35.768"N	104°02'34.549"W	0.00	0.00	0.00	
18628.00†	90.000	180.572	9518.00	8491.57	-8488.74	1254.80	589767.69	458303.97	32°15'34.779"N	104°02'34.564"W	0.00	0.00	0.00	
18728.00†	90.000	180.572	9518.00	8591.56	-8588.74	1253.80	589766.69	458203.99	32°15'33.789"N	104°02'34.578"W	0.00	0.00	0.00	
18828.00†	90.000	180.572	9518.00	8691.55	-8688.73	1252.80	589765.69	458104.00	32°15'32.800"N	104°02'34.593"W	0.00	0.00	0.00	
18928.00†	90.000	180.572	9518.00	8791.54	-8788.73	1251.80	589764.70	458004.01	32°15'31.810"N	104°02'34.608"W	0.00	0.00	0.00	
19028.00†	90.000	180.572	9518.00	8891.54	-8888.72	1250.80	589763.70	457904.03	32°15'30.821"N	104°02'34.623"W	0.00	0.00	0.00	
19128.00†	90.000	180.572	9518.00	8991.53	-8988.72	1249.80	589762.70	457804.04	32°15'29.831"N	104°02'34.638"W	0.00	0.00	0.00	
19228.00†	90.000	180.572	9518.00	9091.52	-9088.71	1248.80	589761.70	457704.05	32°15'28.842"N	104°02'34.652"W	0.00	0.00	0.00	
19328.00†	90.000	180.572	9518.00	9191.51	-9188.71	1247.80	589760.70	457604.07	32°15'27.852"N	104°02'34.667"W	0.00	0.00	0.00	
19428.00†	90.000	180.572	9518.00	9291.51	-9288.70	1246.80	589759.70	457504.08	32°15'26.863"N	104°02'34.682"W	0.00	0.00	0.00	
19528.00†	90.000	180.572	9518.00	9391.50	-9388.70	1245.81	589758.70	457404.09	32°15'25.874"N	104°02'34.697"W	0.00	0.00	0.00	
19628.00†	90.000	180.572	9518.00	9491.49	-9488.69	1244.81	589757.70	457304.11	32°15'24.884"N	104°02'34.712"W	0.00	0.00	0.00	
19728.00†	90.000	180.572	9518.00	9591.48	-9588.69	1243.81	589756.70	457204.12	32°15'23.895"N	104°02'34.726"W	0.00	0.00	0.00	
19828.00†	90.000	180.572	9518.00	9691.48	-9688.68	1242.81	589755.70	457104.13	32°15'22.905"N	104°02'34.741"W	0.00	0.00	0.00	
19928.00†	90.000	180.572	9518.00	9791.47	-9788.68	1241.81	589754.71	457004.15	32°15'21.916"N	104°02'34.756"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (217 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
20028.00†	90.000	180.572	9518.00	9891.46	-9888.67	1240.81	589753.71	456904.16	32°15'20.926"N	104°02'34.771"W	0.00	0.00	0.00	
20128.00†	90.000	180.572	9518.00	9991.45	-9988.67	1239.81	589752.71	456804.17	32°15'19.937"N	104°02'34.785"W	0.00	0.00	0.00	
20228.00†	90.000	180.572	9518.00	10091.45	-10088.66	1238.81	589751.71	456704.19	32°15'18.947"N	104°02'34.800"W	0.00	0.00	0.00	
20328.00†	90.000	180.572	9518.00	10191.44	-10188.66	1237.81	589750.71	456604.20	32°15'17.958"N	104°02'34.815"W	0.00	0.00	0.00	
20428.00†	90.000	180.572	9518.00	10291.43	-10288.65	1236.81	589749.71	456504.21	32°15'16.968"N	104°02'34.830"W	0.00	0.00	0.00	
20528.00†	90.000	180.572	9518.00	10391.42	-10388.65	1235.82	589748.71	456404.23	32°15'15.979"N	104°02'34.845"W	0.00	0.00	0.00	
20599.24	90.000	180.572	9518.00 ³	10462.65	-10459.88	1235.10	589748.00	456333.00	32°15'15.274"N	104°02'34.855"W	0.00	0.00	0.00	PBHL (25' FSBL)

HOLE & CASING SECTIONS

- Ref Wellbore: CB CAL 25 36 STATE COM 08 303H PWB Ref Wellpath: CB CAL 25 36 STATE COM 08 303H_Preliminary 2

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.375in Casing	28.00	450.00	422.00	28.00	450.00	0.00	0.00	0.00	0.00
9.625in Casing	28.00	8752.99	8724.99	28.00	8600.00	0.00	0.00	705.30	1083.86
5.5in Casing	28.00	20599.24	20571.24	28.00	9518.00	0.00	0.00	-10459.88	1235.10



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 303H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 303H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 303H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) CB CAL 25 36 STATE COM 08 303H FTP	10015.53	9518.00	123.01	1210.10	589723.00	466915.00	32°16'59.996"N	104°02'34.813"W	point
CB CAL 25 36 STATE COM 08 303H LTP		9518.00	-10384.87	1236.10	589749.00	456408.00	32°15'16.016"N	104°02'34.841"W	point
2) CB CAL 25 36 STATE COM 08 303H MP	15307.53	9518.00	-5168.43	1287.11	589800.00	461624.00	32°16'07.633"N	104°02'34.083"W	point
3) CB CAL 25 36 STATE COM 08 303H PBHL	20599.24	9518.00	-10459.88	1235.10	589748.00	456333.00	32°15'15.274"N	104°02'34.855"W	point

SURVEY PROGRAM - Ref Wellbore: CB CAL 25 36 STATE COM 08 303H PWB Ref Wellpath: CB CAL 25 36 STATE COM 08 303H_Preliminary 2

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	20626.09	OWSG MWD rev2 + HRGM		CB CAL 25 36 STATE COM 08 303H PWB