

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 276007

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 30-015-46636
4. Property Code 327020	5. Property Name CB CAL 25 36 STATE COM 08	6. Well No. 403H

7. Surface Location

UL - Lot D	Section 25	Township 23S	Range 28E	Lot Idn	Feet From 234	N/S Line N	Feet From 609	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 50	N/S Line S	Feet From 2310	E/W Line W	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2990
16. Multiple N	17. Proposed Depth 20704	18. Formation Wolfcamp	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	8900	560	1200
Liner1	6.25	4.5	11.6	20704	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	TBD
Double Ram	10000	10000	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.		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: 1/24/2020	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
		PURPLE SAGE;WOLFCAMP (GAS)
⁴ Property Code	⁵ Property Name	⁶ Well Number
	CB CAL 25 36 STATE COM 08	403H
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	609'	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.		50'	SOUTH	2310'	WEST	EDDY

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

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= 590,191' Y= 466,680' LAT. 32.282683° N LONG. 104.041491° W X= 631,374' Y= 466,740' LAT. 32.282805° N LONG. 104.041984° W PROPOSED MIDPOINT X= 590,265' Y= 461,627' LAT. 32.268792° N LONG. 104.041295° W X= 631,449' Y= 461,686' LAT. 32.268913° N LONG. 104.041787° W PROPOSED LAST TAKE POINT X= 590,216' Y= 456,640' LAT. 32.255084° N LONG. 104.041499° W X= 631,399' Y= 456,699' LAT. 32.255206° N LONG. 104.041991° W CB CAL 25 36 STATE COM 08 NO. 403H X= 588,488' Y= 466,792' LAT. 32.283005° N LONG. 104.047001° W X= 629,671' Y= 466,852' LAT. 32.283126° N LONG. 104.047494° W 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= 590,213' Y= 456,360' LAT. 32.254315° N LONG. 104.041510° W X= 631,397' Y= 456,419' LAT. 32.254436° N LONG. 104.042002° W Proposed First Take Point 330' FNL, 2310' FWL, 357' FEL (Lease) Proposed Midpoint Proposed Last Take Point 330' FSL, 2310' FWL, 337' FEL (Lease)	¹⁷ OPERATOR CERTIFICATION <i>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 11/15/2019 Date Laura Becerra Printed Name LBecerra@Chevron.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 02/05/2019 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
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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 #403H	30-015-46636	D-25-23S-28E	0234N 0609W	2500	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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Form APD Comments

Permit 276007

PERMIT COMMENTS

Operator Name and Address: CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706		API Number: 30-015-46636
		Well: CB CAL 25 36 STATE COM 08 #403H

Created By	Comment	Comment Date
rpodany	2 different BHL listed 2 different sections	1/22/2020
lbecerra	Lot ID in the Bottom Hole Location is auto-populating, unable to correct. Completion tab updated to match BHL, submitted with new APD fee.	1/23/2020

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Form APD Conditions

Permit 276007

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CHEVRON U S A INC [4323] 6301 Deauville Blvd Midland, TX 79706		API Number:	30-015-46636
		Well:	CB CAL 25 36 STATE COM 08 #403H
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		

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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.



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:

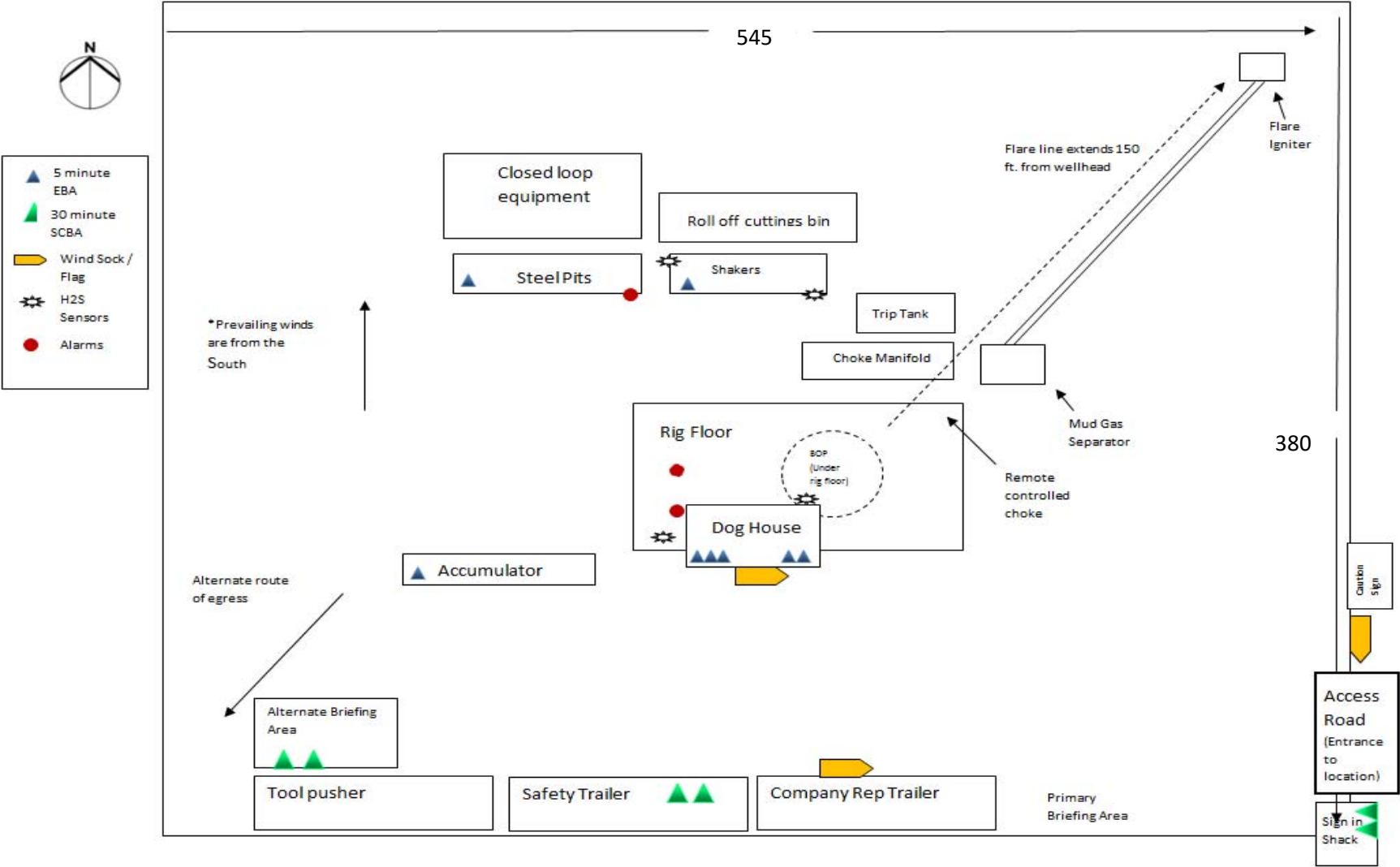
- 1. Use of a degasser
- 2. Use of a zinc based mud treatment
- 3. Increasing mud weight

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





Planned Wellpath Report

CB CAL 25 36 STATE COM 08 403H_Preliminary 2

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H 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 12:16:44 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	50.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"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 403H)	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	179.88°



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 403H_Preliminary 2

Page 2 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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	74.822	0.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
28.00	0.000	74.822	28.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	Tie On
128.00†	0.000	74.822	128.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
228.00†	0.000	74.822	228.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
328.00†	0.000	74.822	328.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
428.00†	0.000	74.822	428.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
528.00†	0.000	74.822	528.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
628.00†	0.000	74.822	628.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
728.00†	0.000	74.822	728.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	
750.00	0.000	74.822	750.00	0.00	0.00	0.00	588488.00	466792.00	32°16'58.812"N	104°02'49.203"W	0.00	0.00	0.00	Start Build
828.00†	1.170	74.822	827.99	-0.21	0.21	0.77	588488.77	466792.21	32°16'58.814"N	104°02'49.194"W	1.50	1.50	95.93	
928.00†	2.670	74.822	927.94	-1.08	1.09	4.00	588492.00	466793.09	32°16'58.822"N	104°02'49.156"W	1.50	1.50	0.00	
1028.00†	4.170	74.822	1027.75	-2.63	2.65	9.76	588497.76	466794.65	32°16'58.838"N	104°02'49.089"W	1.50	1.50	0.00	
1128.00†	5.670	74.822	1127.38	-4.86	4.89	18.04	588506.03	466796.89	32°16'58.860"N	104°02'48.993"W	1.50	1.50	0.00	
1228.00†	7.170	74.822	1226.75	-7.76	7.82	28.83	588516.83	466799.82	32°16'58.888"N	104°02'48.867"W	1.50	1.50	0.00	
1328.00†	8.670	74.822	1325.80	-11.34	11.43	42.13	588530.12	466803.43	32°16'58.924"N	104°02'48.712"W	1.50	1.50	0.00	
1428.00†	10.170	74.822	1424.45	-15.59	15.71	57.92	588545.92	466807.71	32°16'58.966"N	104°02'48.528"W	1.50	1.50	0.00	
1528.00†	11.670	74.822	1522.63	-20.51	20.67	76.20	588564.20	466812.67	32°16'59.014"N	104°02'48.315"W	1.50	1.50	0.00	
1628.00†	13.170	74.822	1620.29	-26.10	26.30	96.96	588584.95	466818.30	32°16'59.070"N	104°02'48.073"W	1.50	1.50	0.00	
1728.00†	14.670	74.822	1717.35	-32.35	32.60	120.18	588608.17	466824.60	32°16'59.131"N	104°02'47.802"W	1.50	1.50	0.00	
1816.67	16.000	74.822	1802.86	-38.44	38.74	142.81	588630.80	466830.74	32°16'59.191"N	104°02'47.538"W	1.50	1.50	0.00	End Build
1828.00†	16.000	74.822	1813.75	-39.25	39.56	145.82	588633.81	466831.56	32°16'59.199"N	104°02'47.503"W	0.00	0.00	0.00	
1928.00†	16.000	74.822	1909.88	-46.41	46.78	172.42	588660.41	466838.77	32°16'59.270"N	104°02'47.193"W	0.00	0.00	0.00	
2028.00†	16.000	74.822	2006.00	-53.58	53.99	199.03	588687.01	466845.99	32°16'59.341"N	104°02'46.883"W	0.00	0.00	0.00	
2128.00†	16.000	74.822	2102.13	-60.74	61.21	225.63	588713.61	466853.20	32°16'59.412"N	104°02'46.573"W	0.00	0.00	0.00	
2228.00†	16.000	74.822	2198.26	-67.90	68.43	252.23	588740.21	466860.42	32°16'59.482"N	104°02'46.263"W	0.00	0.00	0.00	
2328.00†	16.000	74.822	2294.38	-75.06	75.64	278.83	588766.81	466867.64	32°16'59.553"N	104°02'45.953"W	0.00	0.00	0.00	
2428.00†	16.000	74.822	2390.51	-82.22	82.86	305.44	588793.41	466874.85	32°16'59.624"N	104°02'45.643"W	0.00	0.00	0.00	
2528.00†	16.000	74.822	2486.63	-89.38	90.08	332.04	588820.01	466882.07	32°16'59.694"N	104°02'45.333"W	0.00	0.00	0.00	
2628.00†	16.000	74.822	2582.76	-96.54	97.29	358.64	588846.61	466889.28	32°16'59.765"N	104°02'45.023"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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†	16.000	74.822	2678.89	-103.70	104.51	385.24	588873.21	466896.50	32°16'59.836"N	104°02'44.713"W	0.00	0.00	0.00	
2828.00†	16.000	74.822	2775.01	-110.86	111.73	411.84	588899.81	466903.72	32°16'59.906"N	104°02'44.402"W	0.00	0.00	0.00	
2928.00†	16.000	74.822	2871.14	-118.02	118.94	438.45	588926.41	466910.93	32°16'59.977"N	104°02'44.092"W	0.00	0.00	0.00	
3028.00†	16.000	74.822	2967.27	-125.19	126.16	465.05	588953.01	466918.15	32°17'00.048"N	104°02'43.782"W	0.00	0.00	0.00	
3128.00†	16.000	74.822	3063.39	-132.35	133.38	491.65	588979.61	466925.37	32°17'00.119"N	104°02'43.472"W	0.00	0.00	0.00	
3228.00†	16.000	74.822	3159.52	-139.51	140.59	518.25	589006.21	466932.58	32°17'00.189"N	104°02'43.162"W	0.00	0.00	0.00	
3328.00†	16.000	74.822	3255.64	-146.67	147.81	544.86	589032.81	466939.80	32°17'00.260"N	104°02'42.852"W	0.00	0.00	0.00	
3428.00†	16.000	74.822	3351.77	-153.83	155.03	571.46	589059.41	466947.01	32°17'00.331"N	104°02'42.542"W	0.00	0.00	0.00	
3528.00†	16.000	74.822	3447.90	-160.99	162.24	598.06	589086.01	466954.23	32°17'00.401"N	104°02'42.232"W	0.00	0.00	0.00	
3628.00†	16.000	74.822	3544.02	-168.15	169.46	624.66	589112.61	466961.45	32°17'00.472"N	104°02'41.922"W	0.00	0.00	0.00	
3728.00†	16.000	74.822	3640.15	-175.31	176.68	651.27	589139.21	466968.66	32°17'00.543"N	104°02'41.612"W	0.00	0.00	0.00	
3828.00†	16.000	74.822	3736.27	-182.47	183.89	677.87	589165.81	466975.88	32°17'00.614"N	104°02'41.302"W	0.00	0.00	0.00	
3928.00†	16.000	74.822	3832.40	-189.63	191.11	704.47	589192.41	466983.09	32°17'00.684"N	104°02'40.992"W	0.00	0.00	0.00	
4028.00†	16.000	74.822	3928.53	-196.80	198.33	731.07	589219.01	466990.31	32°17'00.755"N	104°02'40.681"W	0.00	0.00	0.00	
4128.00†	16.000	74.822	4024.65	-203.96	205.54	757.67	589245.61	466997.53	32°17'00.826"N	104°02'40.371"W	0.00	0.00	0.00	
4228.00†	16.000	74.822	4120.78	-211.12	212.76	784.28	589272.21	467004.74	32°17'00.896"N	104°02'40.061"W	0.00	0.00	0.00	
4328.00†	16.000	74.822	4216.91	-218.28	219.98	810.88	589298.81	467011.96	32°17'00.967"N	104°02'39.751"W	0.00	0.00	0.00	
4428.00†	16.000	74.822	4313.03	-225.44	227.19	837.48	589325.41	467019.17	32°17'01.038"N	104°02'39.441"W	0.00	0.00	0.00	
4528.00†	16.000	74.822	4409.16	-232.60	234.41	864.08	589352.01	467026.39	32°17'01.108"N	104°02'39.131"W	0.00	0.00	0.00	
4628.00†	16.000	74.822	4505.28	-239.76	241.63	890.69	589378.61	467033.61	32°17'01.179"N	104°02'38.821"W	0.00	0.00	0.00	
4728.00†	16.000	74.822	4601.41	-246.92	248.84	917.29	589405.21	467040.82	32°17'01.250"N	104°02'38.511"W	0.00	0.00	0.00	
4828.00†	16.000	74.822	4697.54	-254.08	256.06	943.89	589431.81	467048.04	32°17'01.321"N	104°02'38.201"W	0.00	0.00	0.00	
4928.00†	16.000	74.822	4793.66	-261.24	263.28	970.49	589458.41	467055.26	32°17'01.391"N	104°02'37.891"W	0.00	0.00	0.00	
5028.00†	16.000	74.822	4889.79	-268.41	270.49	997.09	589485.01	467062.47	32°17'01.462"N	104°02'37.581"W	0.00	0.00	0.00	
5128.00†	16.000	74.822	4985.92	-275.57	277.71	1023.70	589511.61	467069.69	32°17'01.533"N	104°02'37.270"W	0.00	0.00	0.00	
5228.00†	16.000	74.822	5082.04	-282.73	284.93	1050.30	589538.21	467076.90	32°17'01.603"N	104°02'36.960"W	0.00	0.00	0.00	
5328.00†	16.000	74.822	5178.17	-289.89	292.14	1076.90	589564.81	467084.12	32°17'01.674"N	104°02'36.650"W	0.00	0.00	0.00	
5428.00†	16.000	74.822	5274.29	-297.05	299.36	1103.50	589591.41	467091.34	32°17'01.745"N	104°02'36.340"W	0.00	0.00	0.00	
5528.00†	16.000	74.822	5370.42	-304.21	306.58	1130.11	589618.01	467098.55	32°17'01.815"N	104°02'36.030"W	0.00	0.00	0.00	
5628.00†	16.000	74.822	5466.55	-311.37	313.79	1156.71	589644.61	467105.77	32°17'01.886"N	104°02'35.720"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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
5728.00†	16.000	74.822	5562.67	-318.53	321.01	1183.31	589671.21	467112.98	32°17'01.957"N	104°02'35.410"W	0.00	0.00	0.00	
5828.00†	16.000	74.822	5658.80	-325.69	328.23	1209.91	589697.81	467120.20	32°17'02.028"N	104°02'35.100"W	0.00	0.00	0.00	
5928.00†	16.000	74.822	5754.92	-332.85	335.44	1236.51	589724.41	467127.42	32°17'02.098"N	104°02'34.790"W	0.00	0.00	0.00	
6028.00†	16.000	74.822	5851.05	-340.02	342.66	1263.12	589751.01	467134.63	32°17'02.169"N	104°02'34.480"W	0.00	0.00	0.00	
6128.00†	16.000	74.822	5947.18	-347.18	349.88	1289.72	589777.61	467141.85	32°17'02.240"N	104°02'34.170"W	0.00	0.00	0.00	
6228.00†	16.000	74.822	6043.30	-354.34	357.09	1316.32	589804.21	467149.06	32°17'02.310"N	104°02'33.859"W	0.00	0.00	0.00	
6328.00†	16.000	74.822	6139.43	-361.50	364.31	1342.92	589830.81	467156.28	32°17'02.381"N	104°02'33.549"W	0.00	0.00	0.00	
6428.00†	16.000	74.822	6235.56	-368.66	371.53	1369.53	589857.41	467163.50	32°17'02.452"N	104°02'33.239"W	0.00	0.00	0.00	
6528.00†	16.000	74.822	6331.68	-375.82	378.74	1396.13	589884.01	467170.71	32°17'02.522"N	104°02'32.929"W	0.00	0.00	0.00	
6593.74	16.000	74.822	6394.87	-380.53	383.49	1413.61	589901.50	467175.46	32°17'02.569"N	104°02'32.725"W	0.00	0.00	0.00	Start Drop
6628.00†	15.743	74.822	6427.83	-382.96	385.94	1422.66	589910.54	467177.91	32°17'02.593"N	104°02'32.620"W	0.75	-0.75	0.00	
6728.00†	14.993	74.822	6524.25	-389.85	392.88	1448.24	589936.11	467184.85	32°17'02.661"N	104°02'32.322"W	0.75	-0.75	0.00	
6828.00†	14.243	74.822	6621.01	-396.40	399.49	1472.59	589960.47	467191.45	32°17'02.726"N	104°02'32.038"W	0.75	-0.75	0.00	
6928.00†	13.493	74.822	6718.10	-402.63	405.76	1495.72	589983.60	467197.73	32°17'02.787"N	104°02'31.768"W	0.75	-0.75	0.00	
7028.00†	12.743	74.822	6815.49	-408.53	411.71	1517.63	590005.50	467203.67	32°17'02.845"N	104°02'31.513"W	0.75	-0.75	0.00	
7128.00†	11.993	74.822	6913.17	-414.09	417.31	1538.30	590026.17	467209.28	32°17'02.900"N	104°02'31.272"W	0.75	-0.75	0.00	
7228.00†	11.243	74.822	7011.12	-419.32	422.59	1557.74	590045.61	467214.55	32°17'02.952"N	104°02'31.045"W	0.75	-0.75	0.00	
7328.00†	10.493	74.822	7109.32	-424.22	427.52	1575.93	590063.80	467219.49	32°17'03.000"N	104°02'30.833"W	0.75	-0.75	0.00	
7428.00†	9.743	74.822	7207.77	-428.79	432.12	1592.89	590080.75	467224.09	32°17'03.045"N	104°02'30.636"W	0.75	-0.75	0.00	
7528.00†	8.993	74.822	7306.43	-433.01	436.38	1608.60	590096.46	467228.35	32°17'03.087"N	104°02'30.452"W	0.75	-0.75	0.00	
7628.00†	8.243	74.822	7405.30	-436.91	440.31	1623.06	590110.92	467232.27	32°17'03.126"N	104°02'30.284"W	0.75	-0.75	0.00	
7728.00†	7.493	74.822	7504.36	-440.46	443.89	1636.27	590124.13	467235.85	32°17'03.161"N	104°02'30.130"W	0.75	-0.75	0.00	
7828.00†	6.743	74.822	7603.59	-443.68	447.14	1648.23	590136.09	467239.10	32°17'03.192"N	104°02'29.991"W	0.75	-0.75	0.00	
7928.00†	5.993	74.822	7702.97	-446.56	450.04	1658.93	590146.80	467242.00	32°17'03.221"N	104°02'29.866"W	0.75	-0.75	0.00	
8028.00†	5.243	74.822	7802.49	-449.11	452.60	1668.38	590156.24	467244.56	32°17'03.246"N	104°02'29.756"W	0.75	-0.75	0.00	
8128.00†	4.493	74.822	7902.13	-451.31	454.82	1676.57	590164.43	467246.79	32°17'03.268"N	104°02'29.660"W	0.75	-0.75	0.00	
8228.00†	3.743	74.822	8001.87	-453.18	456.70	1683.50	590171.36	467248.67	32°17'03.286"N	104°02'29.579"W	0.75	-0.75	0.00	
8328.00†	2.993	74.822	8101.70	-454.70	458.24	1689.17	590177.03	467250.20	32°17'03.301"N	104°02'29.513"W	0.75	-0.75	0.00	
8428.00†	2.243	74.822	8201.59	-455.89	459.44	1693.58	590181.44	467251.40	32°17'03.313"N	104°02'29.462"W	0.75	-0.75	0.00	
8528.00†	1.493	74.822	8301.54	-456.74	460.29	1696.73	590184.58	467252.25	32°17'03.321"N	104°02'29.425"W	0.75	-0.75	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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
8628.00†	0.743	74.822	8401.52	-457.24	460.80	1698.61	590186.47	467252.76	32°17'03.326"N	104°02'29.403"W	0.75	-0.75	0.00	
8727.07	0.000	180.000	8500.59	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.75	-0.75	-75.52	End Drop
8728.00†	0.000	180.000	8501.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
8828.00†	0.000	180.000	8601.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
8928.00†	0.000	180.000	8701.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9028.00†	0.000	180.000	8801.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9128.00†	0.000	180.000	8901.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9228.00†	0.000	180.000	9001.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9328.00†	0.000	180.000	9101.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9428.00†	0.000	180.000	9201.52	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	
9482.50	0.000	180.000	9256.02	-457.41	460.97	1699.23	590187.09	467252.93	32°17'03.328"N	104°02'29.396"W	0.00	0.00	0.00	Curve KOP
9528.00†	4.550	180.000	9301.47	-455.61	459.17	1699.23	590187.09	467251.13	32°17'03.310"N	104°02'29.396"W	10.00	10.00	395.62	
9628.00†	14.550	180.000	9399.96	-439.04	442.60	1699.23	590187.09	467234.56	32°17'03.146"N	104°02'29.397"W	10.00	10.00	0.00	
9728.00†	24.550	180.000	9494.07	-405.62	409.18	1699.23	590187.09	467201.14	32°17'02.815"N	104°02'29.398"W	10.00	10.00	0.00	
9828.00†	34.550	180.000	9580.96	-356.36	359.92	1699.23	590187.09	467151.89	32°17'02.328"N	104°02'29.399"W	10.00	10.00	0.00	
9882.50	40.000	180.000	9624.31	-323.37	326.92	1699.23	590187.09	467118.90	32°17'02.002"N	104°02'29.400"W	10.00	10.00	0.00	End of Build
9928.00†	44.549	179.876	9657.96	-292.77	296.33	1699.26	590187.12	467088.30	32°17'01.699"N	104°02'29.401"W	10.00	10.00	-0.27	
10028.00†	54.548	179.662	9722.76	-216.77	220.33	1699.58	590187.44	467012.31	32°17'00.947"N	104°02'29.400"W	10.00	10.00	-0.21	
10128.00†	64.547	179.496	9773.38	-130.67	134.24	1700.22	590188.08	466926.22	32°17'00.095"N	104°02'29.395"W	10.00	10.00	-0.17	
10228.00†	74.546	179.356	9808.28	-37.10	40.66	1701.16	590189.02	466832.66	32°16'59.169"N	104°02'29.387"W	10.00	10.00	-0.14	
10328.00†	84.545	179.228	9826.41	61.11	-57.54	1702.38	590190.23	466734.46	32°16'58.197"N	104°02'29.376"W	10.00	10.00	-0.13	
10382.55	90.000	179.161	9829.00†	115.58	-112.01	1703.14	590191.00	466680.00	32°16'57.658"N	104°02'29.369"W	10.00	10.00	-0.12	End of 3D Arc
10428.00†	90.000	179.161	9829.00	161.02	-157.45	1703.81	590191.67	466634.56	32°16'57.208"N	104°02'29.362"W	0.00	0.00	0.00	
10528.00†	90.000	179.161	9829.00	261.01	-257.44	1705.27	590193.13	466534.58	32°16'56.219"N	104°02'29.348"W	0.00	0.00	0.00	
10628.00†	90.000	179.161	9829.00	361.00	-357.43	1706.74	590194.59	466434.60	32°16'55.229"N	104°02'29.335"W	0.00	0.00	0.00	
10728.00†	90.000	179.161	9829.00	461.00	-457.42	1708.20	590196.06	466334.62	32°16'54.240"N	104°02'29.321"W	0.00	0.00	0.00	
10828.00†	90.000	179.161	9829.00	560.99	-557.41	1709.67	590197.52	466234.64	32°16'53.250"N	104°02'29.307"W	0.00	0.00	0.00	
10928.00†	90.000	179.161	9829.00	660.98	-657.40	1711.13	590198.99	466134.66	32°16'52.261"N	104°02'29.293"W	0.00	0.00	0.00	
11028.00†	90.000	179.161	9829.00	760.97	-757.39	1712.59	590200.45	466034.68	32°16'51.272"N	104°02'29.279"W	0.00	0.00	0.00	
11128.00†	90.000	179.161	9829.00	860.96	-857.38	1714.06	590201.91	465934.70	32°16'50.282"N	104°02'29.265"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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	179.161	9829.00	960.96	-957.36	1715.52	590203.38	465834.72	32°16'49.293"N	104°02'29.251"W	0.00	0.00	0.00	
11328.00†	90.000	179.161	9829.00	1060.95	-1057.35	1716.99	590204.84	465734.73	32°16'48.303"N	104°02'29.237"W	0.00	0.00	0.00	
11428.00†	90.000	179.161	9829.00	1160.94	-1157.34	1718.45	590206.31	465634.75	32°16'47.314"N	104°02'29.223"W	0.00	0.00	0.00	
11528.00†	90.000	179.161	9829.00	1260.93	-1257.33	1719.92	590207.77	465534.77	32°16'46.324"N	104°02'29.210"W	0.00	0.00	0.00	
11628.00†	90.000	179.161	9829.00	1360.92	-1357.32	1721.38	590209.24	465434.79	32°16'45.335"N	104°02'29.196"W	0.00	0.00	0.00	
11728.00†	90.000	179.161	9829.00	1460.92	-1457.31	1722.84	590210.70	465334.81	32°16'44.345"N	104°02'29.182"W	0.00	0.00	0.00	
11828.00†	90.000	179.161	9829.00	1560.91	-1557.30	1724.31	590212.16	465234.83	32°16'43.356"N	104°02'29.168"W	0.00	0.00	0.00	
11928.00†	90.000	179.161	9829.00	1660.90	-1657.29	1725.77	590213.63	465134.85	32°16'42.366"N	104°02'29.154"W	0.00	0.00	0.00	
12028.00†	90.000	179.161	9829.00	1760.89	-1757.28	1727.24	590215.09	465034.87	32°16'41.377"N	104°02'29.140"W	0.00	0.00	0.00	
12128.00†	90.000	179.161	9829.00	1860.88	-1857.27	1728.70	590216.56	464934.89	32°16'40.387"N	104°02'29.126"W	0.00	0.00	0.00	
12228.00†	90.000	179.161	9829.00	1960.88	-1957.26	1730.17	590218.02	464834.91	32°16'39.398"N	104°02'29.112"W	0.00	0.00	0.00	
12328.00†	90.000	179.161	9829.00	2060.87	-2057.25	1731.63	590219.49	464734.93	32°16'38.408"N	104°02'29.098"W	0.00	0.00	0.00	
12428.00†	90.000	179.161	9829.00	2160.86	-2157.24	1733.09	590220.95	464634.94	32°16'37.419"N	104°02'29.085"W	0.00	0.00	0.00	
12528.00†	90.000	179.161	9829.00	2260.85	-2257.23	1734.56	590222.41	464534.96	32°16'36.430"N	104°02'29.071"W	0.00	0.00	0.00	
12628.00†	90.000	179.161	9829.00	2360.85	-2357.21	1736.02	590223.88	464434.98	32°16'35.440"N	104°02'29.057"W	0.00	0.00	0.00	
12728.00†	90.000	179.161	9829.00	2460.84	-2457.20	1737.49	590225.34	464335.00	32°16'34.451"N	104°02'29.043"W	0.00	0.00	0.00	
12828.00†	90.000	179.161	9829.00	2560.83	-2557.19	1738.95	590226.81	464235.02	32°16'33.461"N	104°02'29.029"W	0.00	0.00	0.00	
12928.00†	90.000	179.161	9829.00	2660.82	-2657.18	1740.42	590228.27	464135.04	32°16'32.472"N	104°02'29.015"W	0.00	0.00	0.00	
13028.00†	90.000	179.161	9829.00	2760.81	-2757.17	1741.88	590229.73	464035.06	32°16'31.482"N	104°02'29.001"W	0.00	0.00	0.00	
13128.00†	90.000	179.161	9829.00	2860.81	-2857.16	1743.35	590231.20	463935.08	32°16'30.493"N	104°02'28.987"W	0.00	0.00	0.00	
13228.00†	90.000	179.161	9829.00	2960.80	-2957.15	1744.81	590232.66	463835.10	32°16'29.503"N	104°02'28.973"W	0.00	0.00	0.00	
13328.00†	90.000	179.161	9829.00	3060.79	-3057.14	1746.27	590234.13	463735.12	32°16'28.514"N	104°02'28.960"W	0.00	0.00	0.00	
13428.00†	90.000	179.161	9829.00	3160.78	-3157.13	1747.74	590235.59	463635.14	32°16'27.524"N	104°02'28.946"W	0.00	0.00	0.00	
13528.00†	90.000	179.161	9829.00	3260.77	-3257.12	1749.20	590237.06	463535.16	32°16'26.535"N	104°02'28.932"W	0.00	0.00	0.00	
13628.00†	90.000	179.161	9829.00	3360.77	-3357.11	1750.67	590238.52	463435.17	32°16'25.545"N	104°02'28.918"W	0.00	0.00	0.00	
13728.00†	90.000	179.161	9829.00	3460.76	-3457.10	1752.13	590239.98	463335.19	32°16'24.556"N	104°02'28.904"W	0.00	0.00	0.00	
13828.00†	90.000	179.161	9829.00	3560.75	-3557.09	1753.60	590241.45	463235.21	32°16'23.566"N	104°02'28.890"W	0.00	0.00	0.00	
13928.00†	90.000	179.161	9829.00	3660.74	-3657.08	1755.06	590242.91	463135.23	32°16'22.577"N	104°02'28.876"W	0.00	0.00	0.00	
14028.00†	90.000	179.161	9829.00	3760.74	-3757.06	1756.52	590244.38	463035.25	32°16'21.588"N	104°02'28.862"W	0.00	0.00	0.00	
14128.00†	90.000	179.161	9829.00	3860.73	-3857.05	1757.99	590245.84	462935.27	32°16'20.598"N	104°02'28.848"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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	179.161	9829.00	3960.72	-3957.04	1759.45	590247.30	462835.29	32°16'19.609"N	104°02'28.835"W	0.00	0.00	0.00	
14328.00†	90.000	179.161	9829.00	4060.71	-4057.03	1760.92	590248.77	462735.31	32°16'18.619"N	104°02'28.821"W	0.00	0.00	0.00	
14428.00†	90.000	179.161	9829.00	4160.70	-4157.02	1762.38	590250.23	462635.33	32°16'17.630"N	104°02'28.807"W	0.00	0.00	0.00	
14528.00†	90.000	179.161	9829.00	4260.70	-4257.01	1763.85	590251.70	462535.35	32°16'16.640"N	104°02'28.793"W	0.00	0.00	0.00	
14628.00†	90.000	179.161	9829.00	4360.69	-4357.00	1765.31	590253.16	462435.37	32°16'15.651"N	104°02'28.779"W	0.00	0.00	0.00	
14728.00†	90.000	179.161	9829.00	4460.68	-4456.99	1766.77	590254.63	462335.38	32°16'14.661"N	104°02'28.765"W	0.00	0.00	0.00	
14828.00†	90.000	179.161	9829.00	4560.67	-4556.98	1768.24	590256.09	462235.40	32°16'13.672"N	104°02'28.751"W	0.00	0.00	0.00	
14928.00†	90.000	179.161	9829.00	4660.66	-4656.97	1769.70	590257.55	462135.42	32°16'12.682"N	104°02'28.737"W	0.00	0.00	0.00	
15028.00†	90.000	179.161	9829.00	4760.66	-4756.96	1771.17	590259.02	462035.44	32°16'11.693"N	104°02'28.724"W	0.00	0.00	0.00	
15128.00†	90.000	179.161	9829.00	4860.65	-4856.95	1772.63	590260.48	461935.46	32°16'10.703"N	104°02'28.710"W	0.00	0.00	0.00	
15228.00†	90.000	179.161	9829.00	4960.64	-4956.94	1774.10	590261.95	461835.48	32°16'09.714"N	104°02'28.696"W	0.00	0.00	0.00	
15328.00†	90.000	179.161	9829.00	5060.63	-5056.93	1775.56	590263.41	461735.50	32°16'08.724"N	104°02'28.682"W	0.00	0.00	0.00	
15428.00†	90.000	179.161	9829.00	5160.63	-5156.91	1777.02	590264.88	461635.52	32°16'07.735"N	104°02'28.668"W	0.00	0.00	0.00	
15436.52	90.000	179.161	9829.00 ²	5169.14	-5165.43	1777.15	590265.00	461627.00	32°16'07.651"N	104°02'28.667"W	0.00	0.00	0.00	Start Turn
15507.23	90.000	180.575	9829.00	5239.85	-5236.14	1777.31	590265.16	461556.30	32°16'06.951"N	104°02'28.667"W	2.00	0.00	2.00	End Turn
15528.00†	90.000	180.575	9829.00	5260.62	-5256.91	1777.10	590264.95	461535.53	32°16'06.745"N	104°02'28.670"W	0.00	0.00	0.00	
15628.00†	90.000	180.575	9829.00	5360.61	-5356.91	1776.10	590263.95	461435.54	32°16'05.756"N	104°02'28.685"W	0.00	0.00	0.00	
15728.00†	90.000	180.575	9829.00	5460.61	-5456.90	1775.10	590262.95	461335.56	32°16'04.767"N	104°02'28.700"W	0.00	0.00	0.00	
15828.00†	90.000	180.575	9829.00	5560.60	-5556.90	1774.09	590261.94	461235.57	32°16'03.777"N	104°02'28.715"W	0.00	0.00	0.00	
15928.00†	90.000	180.575	9829.00	5660.59	-5656.89	1773.09	590260.94	461135.58	32°16'02.788"N	104°02'28.730"W	0.00	0.00	0.00	
16028.00†	90.000	180.575	9829.00	5760.58	-5756.89	1772.08	590259.94	461035.60	32°16'01.798"N	104°02'28.745"W	0.00	0.00	0.00	
16128.00†	90.000	180.575	9829.00	5860.58	-5856.88	1771.08	590258.93	460935.61	32°16'00.809"N	104°02'28.759"W	0.00	0.00	0.00	
16228.00†	90.000	180.575	9829.00	5960.57	-5956.88	1770.08	590257.93	460835.62	32°15'59.819"N	104°02'28.774"W	0.00	0.00	0.00	
16328.00†	90.000	180.575	9829.00	6060.56	-6056.87	1769.07	590256.92	460735.64	32°15'58.830"N	104°02'28.789"W	0.00	0.00	0.00	
16428.00†	90.000	180.575	9829.00	6160.55	-6156.87	1768.07	590255.92	460635.65	32°15'57.840"N	104°02'28.804"W	0.00	0.00	0.00	
16528.00†	90.000	180.575	9829.00	6260.55	-6256.86	1767.07	590254.92	460535.66	32°15'56.851"N	104°02'28.819"W	0.00	0.00	0.00	
16628.00†	90.000	180.575	9829.00	6360.54	-6356.86	1766.06	590253.91	460435.68	32°15'55.861"N	104°02'28.834"W	0.00	0.00	0.00	
16728.00†	90.000	180.575	9829.00	6460.53	-6456.85	1765.06	590252.91	460335.69	32°15'54.872"N	104°02'28.849"W	0.00	0.00	0.00	
16828.00†	90.000	180.575	9829.00	6560.53	-6556.85	1764.05	590251.91	460235.71	32°15'53.883"N	104°02'28.863"W	0.00	0.00	0.00	
16928.00†	90.000	180.575	9829.00	6660.52	-6656.84	1763.05	590250.90	460135.72	32°15'52.893"N	104°02'28.878"W	0.00	0.00	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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	180.575	9829.00	6760.51	-6756.84	1762.05	590249.90	460035.73	32°15'51.904"N	104°02'28.893"W	0.00	0.00	0.00	
17128.00†	90.000	180.575	9829.00	6860.50	-6856.83	1761.04	590248.89	459935.75	32°15'50.914"N	104°02'28.908"W	0.00	0.00	0.00	
17228.00†	90.000	180.575	9829.00	6960.50	-6956.83	1760.04	590247.89	459835.76	32°15'49.925"N	104°02'28.923"W	0.00	0.00	0.00	
17328.00†	90.000	180.575	9829.00	7060.49	-7056.82	1759.04	590246.89	459735.77	32°15'48.935"N	104°02'28.938"W	0.00	0.00	0.00	
17428.00†	90.000	180.575	9829.00	7160.48	-7156.81	1758.03	590245.88	459635.79	32°15'47.946"N	104°02'28.953"W	0.00	0.00	0.00	
17528.00†	90.000	180.575	9829.00	7260.47	-7256.81	1757.03	590244.88	459535.80	32°15'46.956"N	104°02'28.967"W	0.00	0.00	0.00	
17628.00†	90.000	180.575	9829.00	7360.47	-7356.80	1756.02	590243.88	459435.81	32°15'45.967"N	104°02'28.982"W	0.00	0.00	0.00	
17728.00†	90.000	180.575	9829.00	7460.46	-7456.80	1755.02	590242.87	459335.83	32°15'44.977"N	104°02'28.997"W	0.00	0.00	0.00	
17828.00†	90.000	180.575	9829.00	7560.45	-7556.79	1754.02	590241.87	459235.84	32°15'43.988"N	104°02'29.012"W	0.00	0.00	0.00	
17928.00†	90.000	180.575	9829.00	7660.44	-7656.79	1753.01	590240.87	459135.85	32°15'42.998"N	104°02'29.027"W	0.00	0.00	0.00	
18028.00†	90.000	180.575	9829.00	7760.44	-7756.78	1752.01	590239.86	459035.87	32°15'42.009"N	104°02'29.042"W	0.00	0.00	0.00	
18128.00†	90.000	180.575	9829.00	7860.43	-7856.78	1751.00	590238.86	458935.88	32°15'41.020"N	104°02'29.057"W	0.00	0.00	0.00	
18228.00†	90.000	180.575	9829.00	7960.42	-7956.77	1750.00	590237.85	458835.89	32°15'40.030"N	104°02'29.071"W	0.00	0.00	0.00	
18328.00†	90.000	180.575	9829.00	8060.42	-8056.77	1749.00	590236.85	458735.91	32°15'39.041"N	104°02'29.086"W	0.00	0.00	0.00	
18428.00†	90.000	180.575	9829.00	8160.41	-8156.76	1747.99	590235.85	458635.92	32°15'38.051"N	104°02'29.101"W	0.00	0.00	0.00	
18528.00†	90.000	180.575	9829.00	8260.40	-8256.76	1746.99	590234.84	458535.93	32°15'37.062"N	104°02'29.116"W	0.00	0.00	0.00	
18628.00†	90.000	180.575	9829.00	8360.39	-8356.75	1745.99	590233.84	458435.95	32°15'36.072"N	104°02'29.131"W	0.00	0.00	0.00	
18728.00†	90.000	180.575	9829.00	8460.39	-8456.75	1744.98	590232.84	458335.96	32°15'35.083"N	104°02'29.146"W	0.00	0.00	0.00	
18828.00†	90.000	180.575	9829.00	8560.38	-8556.74	1743.98	590231.83	458235.97	32°15'34.093"N	104°02'29.161"W	0.00	0.00	0.00	
18928.00†	90.000	180.575	9829.00	8660.37	-8656.74	1742.97	590230.83	458135.99	32°15'33.104"N	104°02'29.175"W	0.00	0.00	0.00	
19028.00†	90.000	180.575	9829.00	8760.36	-8756.73	1741.97	590229.82	458036.00	32°15'32.114"N	104°02'29.190"W	0.00	0.00	0.00	
19128.00†	90.000	180.575	9829.00	8860.36	-8856.73	1740.97	590228.82	457936.01	32°15'31.125"N	104°02'29.205"W	0.00	0.00	0.00	
19228.00†	90.000	180.575	9829.00	8960.35	-8956.72	1739.96	590227.82	457836.03	32°15'30.135"N	104°02'29.220"W	0.00	0.00	0.00	
19328.00†	90.000	180.575	9829.00	9060.34	-9056.72	1738.96	590226.81	457736.04	32°15'29.146"N	104°02'29.235"W	0.00	0.00	0.00	
19428.00†	90.000	180.575	9829.00	9160.33	-9156.71	1737.96	590225.81	457636.05	32°15'28.157"N	104°02'29.250"W	0.00	0.00	0.00	
19528.00†	90.000	180.575	9829.00	9260.33	-9256.71	1736.95	590224.81	457536.07	32°15'27.167"N	104°02'29.265"W	0.00	0.00	0.00	
19628.00†	90.000	180.575	9829.00	9360.32	-9356.70	1735.95	590223.80	457436.08	32°15'26.178"N	104°02'29.279"W	0.00	0.00	0.00	
19728.00†	90.000	180.575	9829.00	9460.31	-9456.70	1734.94	590222.80	457336.09	32°15'25.188"N	104°02'29.294"W	0.00	0.00	0.00	
19828.00†	90.000	180.575	9829.00	9560.30	-9556.69	1733.94	590221.79	457236.11	32°15'24.199"N	104°02'29.309"W	0.00	0.00	0.00	
19928.00†	90.000	180.575	9829.00	9660.30	-9656.69	1732.94	590220.79	457136.12	32°15'23.209"N	104°02'29.324"W	0.00	0.00	0.00	



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 403H_Preliminary 2

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H PWB
Facility	Culebra Bluff Pkg 8 Pad 8		

WELLPATH DATA (218 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	180.575	9829.00	9760.29	-9756.68	1731.93	590219.79	457036.13	32°15'22.220"N	104°02'29.339"W	0.00	0.00	0.00	
20128.00†	90.000	180.575	9829.00	9860.28	-9856.68	1730.93	590218.78	456936.15	32°15'21.230"N	104°02'29.354"W	0.00	0.00	0.00	
20228.00†	90.000	180.575	9829.00	9960.28	-9956.67	1729.93	590217.78	456836.16	32°15'20.241"N	104°02'29.368"W	0.00	0.00	0.00	
20328.00†	90.000	180.575	9829.00	10060.27	-10056.67	1728.92	590216.78	456736.18	32°15'19.251"N	104°02'29.383"W	0.00	0.00	0.00	
20428.00†	90.000	180.575	9829.00	10160.26	-10156.66	1727.92	590215.77	456636.19	32°15'18.262"N	104°02'29.398"W	0.00	0.00	0.00	
20528.00†	90.000	180.575	9829.00	10260.25	-10256.66	1726.91	590214.77	456536.20	32°15'17.272"N	104°02'29.413"W	0.00	0.00	0.00	
20628.00†	90.000	180.575	9829.00	10360.25	-10356.65	1725.91	590213.77	456436.22	32°15'16.283"N	104°02'29.428"W	0.00	0.00	0.00	
20704.23	90.000	180.575	9829.00 ³	10436.47	-10432.88	1725.14	590213.00	456360.00	32°15'15.529"N	104°02'29.439"W	0.00	0.00	0.00	PBHL (50' FSBL)

HOLE & CASING SECTIONS

- Ref Wellbore: CB CAL 25 36 STATE COM 08 403H PWB Ref Wellpath: CB CAL 25 36 STATE COM 08 403H_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	9126.48	9098.48	28.00	8900.00	0.00	0.00	460.97	1699.23
5.5in Casing	28.00	20704.23	20676.23	28.00	9829.00	0.00	0.00	-10432.88	1725.14



Planned Wellpath Report

CB CAL 25 36 STATE COM 08 403H_Preliminary 2

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB CAL 25 36 STATE COM 08 403H
Area	Eddy County, NM	Well	CB CAL 25 36 STATE COM 08 403H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB CAL 25 36 STATE COM 08 403H 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 403H FTP	10382.55	9829.00	-112.01	1703.14	590191.00	466680.00	32°16'57.658"N	104°02'29.369"W	point
CB CAL 25 36 STATE COM 08 403H LTP		9829.00	-10152.85	1728.15	590216.00	456640.00	32°15'18.300"N	104°02'29.395"W	point
2) CB CAL 25 36 STATE COM 08 403H MP	15436.52	9829.00	-5165.43	1777.15	590265.00	461627.00	32°16'07.651"N	104°02'28.667"W	point
3) CB CAL 25 36 STATE COM 08 403H PBHL	20704.23	9829.00	-10432.88	1725.14	590213.00	456360.00	32°15'15.529"N	104°02'29.439"W	point

SURVEY PROGRAM - Ref Wellbore: CB CAL 25 36 STATE COM 08 403H PWB Ref Wellpath: CB CAL 25 36 STATE COM 08 403H_Preliminary 2

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	20737.55	OWSG MWD rev2 + HRGM		CB CAL 25 36 STATE COM 08 403H PWB

Intent ☒ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number
CHEVRON U.S.A. INC	CB CAL 25 36 STATE COM 08	403H

Kick Off Point (KOP)

UL D	Section 25	Township 23S	Range 28E	Lot	Feet 234	From N/S FNL	Feet 609	From E/W FWL	County EDDY
Latitude 32.283126					Longitude -104.047494			NAD NAD83/86	

First Take Point (FTP)

UL C	Section 25	Township 23S	Range 28E	Lot	Feet 330	From N/S FNL	Feet 2,310	From E/W FWL	County EDDY
Latitude 32.282805					Longitude -104.041984			NAD NAD83/86	

Last Take Point (LTP)

UL N	Section 36	Township 23S	Range 28E	Lot	Feet 330	From N/S FSL	Feet 2,310	From E/W FWL	County EDDY
Latitude 32.255206					Longitude -104.041991			NAD NAD83/86	

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

☐ No

Is this well an infill well?

☐ Yes

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
CHEVRON U.S.A. INC	CB CAL 25 36 STATE COM 08	303H

KZ 06/29/2018