

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well

- ☐ C-103 (or BLM equivalent) for all casing strings
 - ☐ Spud Notice
 - ☐ Surface Casing
 - ☒ Intermediate Casing (if applicable) 7.625 set depth doesn't match sundry
 - ☐ Additional Intermediate Casing (if applicable)
 - ☒ Production Casing or Liner Didn't report TOC
- ☐ Applicable Order (NSL, NSP, Other _____)
- ☐ Deviation Survey for Vertical Wells
- ☒ Directional Survey *Certified*
 - ☐ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

- ☒ C-103 Completion Sundry (or BLM equivalent) *Perforations don't match C-104 to Sundry*
- ☒ C-105 Completion Report (or BLM equivalent) *Approved BLM Copy*
- ☐ All Logs Run on Well

If you have any questions please contact the local OCD District Office

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

State of New Mexico
Energy, Minerals & Natural Resources

NM OIL CONSERVATION
ARTESIA DISTRICT

Form C-104
Revised August 1, 2011

OCT 16 2019

Submit one copy to appropriate District Office

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

RECEIVED

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHEVRON USA INC 6301 DEAUVILLE BLVD MIDLAND, TX 79706		² OGRID Number 4323
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-44638	⁵ Pool Name PURPLE SAGE;WOLFCAMP	⁶ Pool Code 98220
⁷ Property Code	⁸ Property Name CB SE 5 32 FED COM	⁹ Well Number 12H

II. ¹⁰ Surface Location

UL or lot no. P	Section 5	Township 24S	Range 29E	Lot Idn	Feet from the 380	North/South Line SOUTH	Feet from the 1275	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location

UL or lot no. A	Section 32	Township 23S	Range 29E	Lot Idn	Feet from the 158	North/South line NORTH	Feet from the 1314	East/West line EAST	County EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 6/4/2019	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
24650	ANDEAVOR	O
190595	TARGA	G
372338	NGL WATER SOLUTIONS	W

IV. Well Completion Data

²¹ Spud Date 03/16/2018	²² Ready Date 06/04/2019	²³ TD 20161'	²⁴ PBTD 20129'	²⁵ Perforations 10230' - 19973'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
SURF 17.5"	13.375"	422'	485		
INT 12.250"	9.625"	6725'	2408		
LINER 8.5"	7.625"	9444'	250		
PROD 6.75"	5.5"	9571'			
PROD 6.75"	5"	20129'	1738		
TBG	2.875"	9545'			

V. Well Test Data

³¹ Date New Oil 06/04/2019	³² Gas Delivery Dat 06/04/2019	³³ Test Date 06/08/2019	³⁴ Test Length 24 HR	³⁵ Tbg. Pressure 1447	³⁶ Csg. Pressure 289
³⁷ Choke Size 64	³⁸ Oil 1616	³⁹ Water 4040	⁴⁰ Gas 2722	⁴¹ Test Method	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Kayla McConnell

Printed name: KAYLA MCCONNELL

Title: PERMITTING SPECIALIST

E-mail Address: GNCV@CHEVRON.COM

Date: 8/13/2019

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

DENIED

Title:

See Attached Cover Sheet

Approval Date:

* Tbg. size & class missing

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

NM OIL CONSERVATION
ARTESIA DISTRICT
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

RECEIVED
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44638		² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 320646	⁵ Property Name CB SE 5 32 FED COM		⁶ Well Number 12H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.		⁹ Elevation 3028'

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
P	5	24 SOUTH	29 EAST, N.M.P.M.		380'	SOUTH	1275'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	23 SOUTH	29 EAST, N.M.P.M.		158'	NORTH	1314'	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16 ACTUAL BOTTOM HOLE LOCATION X= 602,361 Y= 461,382 LAT. 32.268021 N LONG. 104.002164 W NAD 27 FINAL BOTTOM TAKE POINT X= 602,394 Y= 461,197 LAT. 32.267512 N LONG. 104.002061 W NAD 27 FINAL TOP TAKE POINT X= 602,549 Y= 451,472 LAT. 32.240779 N LONG. 104.001656 W NAD 27 CORNER COORDINATES TABLE (NAD 27) A - Y=461537.13, X=601028.36 B - Y=461542.17, X=603672.21 C - Y=456270.49, X=601137.17 D - Y=456251.69, X=603786.69 E - Y=450962.21, X=601166.20 F - Y=450947.72, X=603814.23 CB SE 5 32 FED COM NO. 12H WELL X= 602,537 Y= 451,334 LAT. 32.240400 N LONG. 104.001695 W NAD 27 X= 643,721 Y= 451,393 LAT. 32.240522 N LONG. 104.002185 W NAD83/86 ELEVATION +3028' NAVD 88	Final Bottom Take Point @ 19,973' MD 343.17 FNL, 1,285.80 FEL Sec. 32 T23S-R29E T24S-R29E Sec. 5 Final Top Take Point @ 10,230' MD 517.62' FSL, 1,262.68' FEL	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>Kayla McConnell</i> 2/7/2019 Signature Date Kayla McConnell Printed Name gncv@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. 11/10/2016 Date of Survey Signature and Seal of Professional Surveyor 23006 Certificate Number 11/13/2018
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OCT 16 2019

Intent ☐ As Drilled ☒

API #
30-015-44638

RECEIVED

Operator Name: CHEVRON USA INC	Property Name: CB SE 5 32 FED COM	Well Number 12H
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Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL P	Section 5	Township 24S	Range 29E	Lot	Feet 517	From N/S S	Feet 1262	From E/W E	County EDDY
Latitude 32.240901					Longitude -104.002146			NAD 83	

Last Take Point (LTP)

UL A	Section 32	Township 23S	Range 29E	Lot	Feet 343	From N/S N	Feet 1285	From E/W E	County EDDY
Latitude 32.267634					Longitude -104.002552			NAD 83	

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

Is this well an infill well? ☐ NO

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

API #	Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Actual Wellpath Report

CB SE 5 32 FED Com 012H _awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

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]	Comments
0.00†	0.000	142.410	0.00	0.00	0.00	0.00	602537.00	451334.00	32°14'25.436"N	104°00'06.105"W	0.00	
28.00	0.000	142.410	28.00	0.00	0.00	0.00	602537.00	451334.00	32°14'25.436"N	104°00'06.105"W	0.00	
158.00	0.920	142.410	157.99	-0.84	-0.83	0.64	602537.64	451333.17	32°14'25.428"N	104°00'06.097"W	0.71	
343.00	3.440	117.990	342.85	-4.70	-4.61	6.44	602543.44	451329.39	32°14'25.391"N	104°00'06.030"W	1.42	
432.00	3.580	131.540	431.68	-7.85	-7.71	10.88	602547.88	451326.30	32°14'25.360"N	104°00'05.978"W	1.94	1751/22 Surface (28') 158' to 432'
514.00	4.560	159.500	513.48	-12.64	-12.46	13.94	602550.94	451321.54	32°14'25.313"N	104°00'05.943"W	2.66	
603.00	5.530	171.540	602.14	-20.22	-20.01	15.81	602552.81	451313.99	32°14'25.238"N	104°00'05.921"W	1.61	
695.00	6.290	178.450	693.65	-29.66	-29.44	16.60	602553.60	451304.57	32°14'25.145"N	104°00'05.913"W	1.13	
786.00	6.360	178.370	784.10	-39.68	-39.46	16.88	602553.88	451294.55	32°14'25.045"N	104°00'05.910"W	0.08	
879.00	6.620	180.460	876.50	-50.19	-49.97	16.98	602553.98	451284.04	32°14'24.941"N	104°00'05.909"W	0.38	
973.00	6.640	182.290	969.87	-61.03	-60.81	16.72	602553.72	451273.19	32°14'24.834"N	104°00'05.912"W	0.23	
1069.00	6.270	183.190	1065.26	-71.81	-71.59	16.21	602553.21	451262.41	32°14'24.727"N	104°00'05.919"W	0.40	
1164.00	5.540	180.810	1159.76	-81.57	-81.36	15.85	602552.85	451252.65	32°14'24.631"N	104°00'05.923"W	0.81	
1260.00	6.250	164.430	1255.26	-91.25	-91.03	17.19	602554.19	451242.98	32°14'24.535"N	104°00'05.908"W	1.89	
1355.00	7.310	176.110	1349.60	-102.29	-102.04	18.99	602555.99	451231.97	32°14'24.426"N	104°00'05.887"W	1.83	
1451.00	7.110	184.020	1444.84	-114.31	-114.06	18.99	602555.98	451219.95	32°14'24.307"N	104°00'05.888"W	1.05	
1546.00	6.710	186.530	1539.15	-125.67	-125.44	17.94	602554.94	451208.57	32°14'24.195"N	104°00'05.900"W	0.53	
1642.00	6.700	182.720	1634.49	-136.82	-136.61	17.04	602554.04	451197.41	32°14'24.084"N	104°00'05.911"W	0.46	
1738.00	6.660	180.890	1729.84	-147.98	-147.77	16.69	602553.69	451186.25	32°14'23.974"N	104°00'05.916"W	0.23	
1833.00	6.260	180.700	1824.24	-158.66	-158.45	16.54	602553.54	451175.56	32°14'23.868"N	104°00'05.918"W	0.42	
1929.00	6.890	183.510	1919.61	-169.64	-169.43	16.12	602553.12	451164.58	32°14'23.759"N	104°00'05.923"W	0.74	
2025.00	7.780	181.620	2014.82	-181.87	-181.68	15.59	602552.58	451152.34	32°14'23.638"N	104°00'05.930"W	0.96	
2120.00	8.120	174.830	2108.91	-194.98	-194.79	16.01	602553.01	451139.23	32°14'23.508"N	104°00'05.925"W	1.05	
2216.00	8.070	172.340	2203.95	-208.43	-208.22	17.52	602554.52	451125.80	32°14'23.376"N	104°00'05.908"W	0.37	
2312.00	7.540	171.510	2299.06	-221.37	-221.13	19.35	602556.34	451112.89	32°14'23.248"N	104°00'05.888"W	0.56	
2407.00	7.210	160.910	2393.28	-233.20	-232.92	22.22	602559.21	451101.09	32°14'23.131"N	104°00'05.855"W	1.47	
2503.00	6.840	159.840	2488.56	-244.31	-243.98	26.16	602563.15	451090.04	32°14'23.021"N	104°00'05.809"W	0.41	
2599.00	7.250	168.210	2583.84	-255.65	-255.28	29.36	602566.36	451078.74	32°14'22.909"N	104°00'05.772"W	1.15	
2694.00	6.940	181.230	2678.12	-267.27	-266.89	30.47	602567.46	451067.13	32°14'22.795"N	104°00'05.760"W	1.72	
2790.00	4.950	186.120	2773.60	-277.18	-276.80	29.90	602566.90	451057.22	32°14'22.696"N	104°00'05.767"W	2.14	



Actual Wellpath Report

CB SE 5 32 FED Com 012H _awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
2886.00	3.330	188.750	2869.34	-284.04	-283.68	29.03	602566.03	451050.34	32°14'22.628"N	104°00'05.777"W	1.70	
2981.00	2.830	192.360	2964.21	-289.05	-288.70	28.11	602565.11	451045.33	32°14'22.579"N	104°00'05.788"W	0.56	
3077.00	2.840	197.470	3060.09	-293.62	-293.28	26.89	602563.89	451040.74	32°14'22.534"N	104°00'05.802"W	0.26	
3172.00	1.260	191.620	3155.02	-296.87	-296.55	25.97	602562.97	451037.48	32°14'22.501"N	104°00'05.813"W	1.68	
3268.00	0.9700	181.390	3251.01	-298.49	-298.17	25.75	602562.75	451035.86	32°14'22.485"N	104°00'05.816"W	0.16	
3363.00	0.960	182.610	3346.00	-299.86	-299.54	25.70	602562.69	451034.48	32°14'22.472"N	104°00'05.816"W	0.27	
3459.00	0.620	185.640	3441.99	-301.18	-300.86	25.61	602562.61	451033.16	32°14'22.458"N	104°00'05.817"W	0.36	
3555.00	0.410	158.650	3537.99	-302.02	-301.70	25.68	602562.68	451032.32	32°14'22.450"N	104°00'05.817"W	0.33	
3650.00	0.410	156.420	3632.99	-302.65	-302.33	25.94	602562.94	451031.70	32°14'22.444"N	104°00'05.814"W	0.02	
3746.00	0.460	139.820	3728.98	-303.26	-302.94	26.33	602563.33	451031.09	32°14'22.438"N	104°00'05.809"W	0.14	
3842.00	0.390	134.360	3824.98	-303.79	-303.46	26.81	602563.81	451030.56	32°14'22.433"N	104°00'05.804"W	0.08	
3937.00	0.320	152.880	3919.98	-304.26	-303.92	27.16	602564.16	451030.10	32°14'22.428"N	104°00'05.799"W	0.14	
4033.00	0.210	99.330	4015.98	-304.53	-304.19	27.46	602564.46	451029.83	32°14'22.426"N	104°00'05.796"W	0.27	
4129.00	0.100	199.710	4111.98	-304.64	-304.30	27.60	602564.60	451029.73	32°14'22.424"N	104°00'05.794"W	0.26	
4225.00	0.200	63.660	4207.98	-304.65	-304.30	27.73	602564.73	451029.72	32°14'22.424"N	104°00'05.793"W	0.23	
4320.00	0.090	336.360	4302.98	-304.51	-304.16	27.85	602564.84	451029.86	32°14'22.426"N	104°00'05.792"W	0.17	
4416.00	0.180	38.870	4398.98	-304.32	-303.97	27.91	602564.91	451030.05	32°14'22.428"N	104°00'05.791"W	0.06	
4512.00	0.200	23.280	4494.98	-304.05	-303.70	28.07	602565.07	451030.32	32°14'22.430"N	104°00'05.789"W	0.13	
4608.00	0.180	62.110	4590.98	-303.83	-303.48	28.27	602565.27	451030.55	32°14'22.433"N	104°00'05.787"W	0.11	
4703.00	0.060	292.930	4685.97	-303.74	-303.39	28.36	602565.35	451030.64	32°14'22.433"N	104°00'05.786"W	0.11	
4799.00	0.160	269.340	4781.97	-303.72	-303.37	28.18	602565.17	451030.65	32°14'22.434"N	104°00'05.788"W	0.11	
4894.00	0.060	275.160	4876.97	-303.72	-303.37	27.99	602564.99	451030.66	32°14'22.434"N	104°00'05.790"W	0.31	
4990.00	0.250	60.060	4972.97	-303.61	-303.26	28.12	602565.12	451030.77	32°14'22.435"N	104°00'05.788"W	0.11	
5086.00	0.150	73.110	5068.97	-303.47	-303.12	28.43	602565.42	451030.91	32°14'22.436"N	104°00'05.785"W	0.11	
5181.00	0.070	341.360	5163.97	-303.38	-303.03	28.53	602565.52	451031.00	32°14'22.437"N	104°00'05.784"W	0.32	
5277.00	0.260	213.370	5259.97	-303.51	-303.15	28.39	602565.39	451030.87	32°14'22.436"N	104°00'05.785"W	0.27	
5373.00	0.180	282.370	5355.97	-303.65	-303.30	28.12	602565.12	451030.72	32°14'22.434"N	104°00'05.788"W	0.12	
5468.00	0.280	266.310	5450.97	-303.63	-303.29	27.74	602564.74	451030.74	32°14'22.434"N	104°00'05.793"W	0.09	
5564.00	0.220	250.740	5546.97	-303.70	-303.36	27.34	602564.33	451030.66	32°14'22.434"N	104°00'05.797"W	0.20	
5659.00	0.390	269.320	5641.97	-303.76	-303.43	26.84	602563.84	451030.60	32°14'22.433"N	104°00'05.803"W		



Actual Wellpath Report

CB SE 5 32 FED Com 012H_awp

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**BAKER
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a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
5755.00	0.470	246.110	5737.97	-303.91	-303.59	26.15	602563.15	451030.44	32°14'22.432"N	104°00'05.811"W	0.20	
5851.00	0.500	239.920	5833.96	-304.27	-303.96	25.43	602562.43	451030.07	32°14'22.428"N	104°00'05.820"W	0.06	
5946.00	0.170	240.970	5928.96	-304.54	-304.23	24.95	602561.95	451029.79	32°14'22.425"N	104°00'05.825"W	0.35	
6042.00	0.390	230.880	6024.96	-304.81	-304.51	24.57	602561.57	451029.52	32°14'22.422"N	104°00'05.830"W	0.23	
6138.00	0.290	224.310	6120.96	-305.19	-304.89	24.15	602561.15	451029.14	32°14'22.419"N	104°00'05.835"W	0.11	
6233.00	0.170	186.520	6215.96	-305.50	-305.20	23.96	602560.96	451028.82	32°14'22.416"N	104°00'05.837"W	0.20	
6329.00	0.180	276.670	6311.96	-305.62	-305.33	23.80	602560.80	451028.70	32°14'22.414"N	104°00'05.839"W	0.26	
6424.00	0.220	216.690	6406.96	-305.74	-305.45	23.54	602560.54	451028.57	32°14'22.413"N	104°00'05.842"W	0.21	
6520.00	0.280	151.740	6502.96	-306.10	-305.81	23.54	602560.54	451028.22	32°14'22.410"N	104°00'05.842"W	0.28	
6616.00	0.130	110.540	6598.96	-306.35	-306.05	23.76	602560.75	451027.97	32°14'22.407"N	104°00'05.839"W	0.21	
6680.00	0.070	234.760	6662.96	-306.39	-306.10	23.79	602560.79	451027.92	32°14'22.407"N	104°00'05.839"W	0.28	12 1/4" Intermediate (432') 452' - 6680'
6752.00	0.850	297.990	6734.95	-306.16	-305.88	23.28	602560.28	451028.15	32°14'22.409"N	104°00'05.845"W	1.14	
6816.00	0.890	293.870	6798.95	-305.73	-305.45	22.41	602559.41	451028.57	32°14'22.413"N	104°00'05.855"W	0.12	
6911.00	0.980	293.290	6893.93	-305.09	-304.83	20.99	602557.99	451029.19	32°14'22.419"N	104°00'05.871"W	0.10	
7007.00	0.850	303.800	6989.92	-304.35	-304.11	19.64	602556.64	451029.91	32°14'22.427"N	104°00'05.887"W	0.22	
7102.00	0.710	333.470	7084.91	-303.42	-303.19	18.79	602555.79	451030.83	32°14'22.436"N	104°00'05.897"W	0.44	
7198.00	0.370	318.060	7180.91	-302.65	-302.43	18.32	602555.32	451031.59	32°14'22.443"N	104°00'05.902"W	0.38	
7293.00	0.470	330.620	7275.91	-302.08	-301.86	17.93	602554.92	451032.16	32°14'22.449"N	104°00'05.907"W	0.14	
7389.00	0.250	262.930	7371.90	-301.75	-301.55	17.52	602554.52	451032.48	32°14'22.452"N	104°00'05.912"W	0.46	
7485.00	0.260	174.220	7467.90	-301.99	-301.79	17.34	602554.34	451032.24	32°14'22.450"N	104°00'05.914"W	0.37	
7580.00	0.620	142.760	7562.90	-302.62	-302.41	17.67	602554.67	451031.61	32°14'22.443"N	104°00'05.910"W	0.44	
7676.00	0.380	145.040	7658.90	-303.30	-303.09	18.17	602555.17	451030.94	32°14'22.437"N	104°00'05.904"W	0.25	
7771.00	0.410	144.450	7753.89	-303.84	-303.62	18.55	602555.54	451030.40	32°14'22.431"N	104°00'05.900"W	0.03	
7867.00	0.400	145.220	7849.89	-304.40	-304.18	18.94	602555.94	451029.85	32°14'22.426"N	104°00'05.895"W	0.01	
7962.00	0.470	154.090	7944.89	-305.03	-304.80	19.30	602556.30	451029.23	32°14'22.420"N	104°00'05.891"W	0.10	
8058.00	0.900	137.290	8040.88	-305.95	-305.71	19.98	602556.98	451028.32	32°14'22.411"N	104°00'05.883"W	0.49	
8153.00	1.010	120.850	8135.87	-306.94	-306.68	21.21	602558.20	451027.34	32°14'22.401"N	104°00'05.869"W	0.31	
8249.00	1.230	130.660	8231.85	-308.07	-307.79	22.71	602559.71	451026.24	32°14'22.390"N	104°00'05.851"W	0.30	
8345.00	1.210	146.310	8327.83	-309.60	-309.30	24.06	602561.05	451024.72	32°14'22.375"N	104°00'05.836"W	0.35	
8441.00	0.700	162.880	8423.82	-311.01	-310.71	24.79	602561.79	451023.32	32°14'22.361"N	104°00'05.827"W	0.60	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
8536.00	0.980	175.090	8518.81	-312.38	-312.07	25.03	602562.03	451021.95	32°14'22.348"N	104°00'05.825"W	0.35	
8632.00	0.860	183.240	8614.79	-313.92	-313.61	25.06	602562.06	451020.42	32°14'22.332"N	104°00'05.824"W	0.18	
8728.00	0.920	193.310	8710.78	-315.38	-315.08	24.84	602561.84	451018.95	32°14'22.318"N	104°00'05.827"W	0.17	
8823.00	0.850	192.020	8805.77	-316.81	-316.51	24.52	602561.52	451017.52	32°14'22.304"N	104°00'05.831"W	0.08	
8919.00	1.230	207.510	8901.75	-318.41	-318.12	23.90	602560.90	451015.91	32°14'22.288"N	104°00'05.838"W	0.49	
9015.00	0.810	233.440	8997.74	-319.72	-319.44	22.88	602559.87	451014.59	32°14'22.275"N	104°00'05.850"W	0.64	
9111.00	1.400	326.940	9093.73	-319.12	-318.86	21.69	602558.69	451015.17	32°14'22.281"N	104°00'05.864"W	1.73	
9206.00	2.720	337.800	9188.66	-316.04	-315.80	20.21	602557.20	451018.23	32°14'22.311"N	104°00'05.881"W	1.44	
9302.00	3.250	343.880	9284.53	-311.30	-311.08	18.59	602555.59	451022.95	32°14'22.358"N	104°00'05.900"W	0.64	
9384.00	3.770	345.810	9366.38	-306.43	-306.23	17.28	602554.28	451027.79	32°14'22.406"N	104°00'05.915"W	0.65	3 1/2" Intermediate (6680') 6752' 9384'
9460.00	4.760	349.290	9442.17	-300.90	-300.71	16.09	602553.08	451033.32	32°14'22.460"N	104°00'05.928"W	1.35	
9492.00	7.280	357.260	9473.99	-297.56	-297.38	15.74	602552.74	451036.65	32°14'22.493"N	104°00'05.932"W	8.28	
9586.00	19.630	1.560	9565.24	-275.75	-275.56	15.89	602552.89	451058.46	32°14'22.709"N	104°00'05.930"W	13.17	
9681.00	24.680	2.330	9653.19	-239.98	-239.77	17.13	602554.13	451094.25	32°14'23.063"N	104°00'05.914"W	5.32	
9775.00	30.950	359.680	9736.29	-196.17	-195.94	17.79	602554.79	451138.07	32°14'23.497"N	104°00'05.905"W	6.80	
9870.00	36.100	355.990	9815.47	-143.75	-143.56	15.70	602552.70	451190.45	32°14'24.015"N	104°00'05.927"W	5.83	
9964.00	44.480	355.750	9887.11	-83.13	-82.98	11.31	602548.31	451251.02	32°14'24.615"N	104°00'05.976"W	8.92	
10058.00	52.530	359.090	9949.35	-12.83	-12.72	8.27	602545.27	451321.28	32°14'25.310"N	104°00'06.009"W	8.97	
10153.00	62.150	2.300	10000.56	67.01	67.14	9.36	602546.36	451401.14	32°14'26.101"N	104°00'05.993"W	10.52	
10248.00	72.520	1.400	10037.12	154.46	154.64	12.16	602549.16	451488.63	32°14'26.966"N	104°00'05.958"W	10.95	
10342.00	83.330	359.760	10056.76	246.22	246.42	13.07	602550.06	451580.40	32°14'27.874"N	104°00'05.944"W	11.63	
10405.00	90.790	0.250	10059.99	309.09	309.29	13.07	602550.07	451643.26	32°14'28.497"N	104°00'05.941"W	11.87	
10436.00	91.390	0.040	10059.40	340.08	340.28	13.15	602550.15	451674.26	32°14'28.803"N	104°00'05.939"W	2.05	
10531.00	89.380	359.590	10058.76	435.06	435.28	12.84	602549.84	451769.24	32°14'29.743"N	104°00'05.940"W	2.17	
10624.00	89.350	357.670	10059.79	528.05	528.24	10.62	602547.62	451862.20	32°14'30.663"N	104°00'05.962"W	2.06	
10719.00	90.250	356.890	10060.12	622.99	623.13	6.11	602543.11	451957.08	32°14'31.602"N	104°00'06.011"W	1.25	
10813.00	88.520	354.310	10061.13	716.79	716.84	-1.10	602535.90	452050.78	32°14'32.530"N	104°00'06.092"W	3.30	
10907.00	89.200	356.430	10063.00	810.55	810.50	-8.68	602528.32	452144.44	32°14'33.457"N	104°00'06.177"W	2.37	
11002.00	89.230	358.610	10064.30	905.49	905.40	-12.79	602524.21	452239.33	32°14'34.396"N	104°00'06.221"W	2.29	
11096.00	90.280	359.680	10064.71	999.49	999.39	14.20	602522.81	452333.31	32°14'35.326"N	104°00'06.234"W	1.59	



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NM OIL CONSERVATION

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
11190.00	90.550	358.540	10064.02	1093.48	1093.37	-15.66	602521.35	452427.28	32°14'36.256"N	104°00'06.248"W	1.25	
11285.00	91.630	358.730	10062.22	1188.46	1188.33	-17.92	602519.08	452522.23	32°14'37.196"N	104°00'06.271"W	1.15	
11379.00	90.370	358.900	10060.58	1282.44	1282.29	-19.86	602517.14	452616.19	32°14'38.126"N	104°00'06.290"W	1.35	
11474.00	90.220	358.080	10060.09	1377.43	1377.25	-22.37	602514.64	452711.14	32°14'39.066"N	104°00'06.316"W	0.88	
11568.00	92.070	359.470	10058.21	1471.40	1471.21	-24.37	602512.63	452805.09	32°14'39.995"N	104°00'06.336"W	2.46	
11663.00	90.490	0.920	10056.09	1566.36	1566.18	-24.05	602512.95	452900.05	32°14'40.935"N	104°00'06.329"W	2.26	
11757.00	89.170	0.200	10056.37	1660.33	1660.17	-23.13	602513.87	452994.04	32°14'41.865"N	104°00'06.314"W	1.60	
11852.00	90.000	0.500	10057.05	1755.31	1755.17	-22.55	602514.45	453089.02	32°14'42.805"N	104°00'06.304"W	0.93	
11947.00	90.930	2.790	10056.28	1850.22	1850.12	-19.83	602517.18	453183.97	32°14'43.745"N	104°00'06.269"W	2.60	
12041.00	88.490	1.330	10056.76	1944.09	1944.04	-16.45	602520.55	453277.89	32°14'44.674"N	104°00'06.226"W	3.02	
12136.00	94.230	1.880	10054.50	2038.94	2038.94	-13.79	602523.21	453372.78	32°14'45.613"N	104°00'06.192"W	6.07	
12230.00	89.480	0.840	10051.46	2132.80	2132.84	-11.56	602525.44	453466.66	32°14'46.542"N	104°00'06.163"W	5.17	
12325.00	89.320	0.690	10052.46	2227.76	2227.82	-10.29	602526.71	453561.64	32°14'47.482"N	104°00'06.145"W	0.23	
12419.00	88.520	1.570	10054.23	2321.69	2321.79	-8.44	602528.56	453655.60	32°14'48.412"N	104°00'06.120"W	1.27	
12514.00	88.030	0.380	10057.09	2416.60	2416.73	-6.82	602530.18	453750.53	32°14'49.351"N	104°00'06.097"W	1.35	
12608.00	89.420	359.760	10059.18	2510.56	2510.70	-6.71	602530.29	453844.50	32°14'50.281"N	104°00'06.093"W	1.62	
12703.00	90.770	359.170	10059.02	2605.56	2605.69	-7.59	602529.41	453939.48	32°14'51.221"N	104°00'06.100"W	1.55	
12766.00	91.480	358.840	10057.79	2668.55	2668.67	-8.69	602528.31	454002.46	32°14'51.844"N	104°00'06.110"W	1.24	
12829.00	90.120	357.490	10056.91	2731.53	2731.63	-10.71	602526.30	454065.41	32°14'52.467"N	104°00'06.131"W	3.04	
12923.00	91.570	358.340	10055.52	2825.49	2825.55	-14.13	602522.88	454159.33	32°14'53.397"N	104°00'06.168"W	1.79	
13018.00	90.000	359.570	10054.22	2920.47	2920.53	-15.86	602521.14	454254.29	32°14'54.337"N	104°00'06.184"W	2.10	
13112.00	90.890	0.240	10053.49	3014.46	3014.52	-16.01	602520.99	454348.28	32°14'55.267"N	104°00'06.183"W	1.19	
13207.00	88.640	0.300	10053.88	3109.44	3109.51	-15.57	602521.44	454443.26	32°14'56.207"N	104°00'06.174"W	2.37	
13301.00	90.310	359.900	10054.74	3203.42	3203.51	-15.40	602521.60	454537.25	32°14'57.137"N	104°00'06.169"W	1.83	
13395.00	91.330	0.900	10053.39	3297.39	3297.49	-14.75	602522.26	454631.22	32°14'58.067"N	104°00'06.158"W	1.52	
13490.00	89.720	1.940	10052.52	3392.31	3392.45	-12.39	602524.61	454726.18	32°14'59.006"N	104°00'06.127"W	2.02	
13585.00	90.150	2.070	10052.63	3487.20	3487.39	-9.07	602527.93	454821.11	32°14'59.946"N	104°00'06.085"W	0.47	
13679.00	88.550	0.020	10053.70	3581.14	3581.37	-7.35	602529.65	454915.08	32°15'00.876"N	104°00'06.062"W	2.77	
13773.00	86.210	358.200	10058.00	3675.03	3675.25	-8.81	602528.19	455008.95	32°15'01.805"N	104°00'06.075"W	3.15	
13868.00	85.250	357.810	10065.07	3769.74	3769.92	-12.11	602524.89	455103.62	32°15'02.742"N	104°00'06.110"W	1.09	



Actual Wellpath Report

CB SE 5 32 FED Com 012H_awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
13963.00	86.390	358.470	10071.99	3864.47	3864.62	-15.18	602521.82	455198.31	32°15'03.679"N	104°00'06.143"W	1.39	
14057.00	89.230	359.250	10075.58	3958.39	3958.52	-17.05	602519.95	455292.20	32°15'04.608"N	104°00'06.161"W	3.13	
14152.00	86.760	358.310	10078.91	4053.32	4053.43	-19.07	602517.93	455387.10	32°15'05.547"N	104°00'06.181"W	2.78	
14246.00	86.210	359.210	10084.67	4147.14	4147.23	-21.10	602515.90	455480.90	32°15'06.476"N	104°00'06.201"W	1.12	
14341.00	89.880	359.170	10087.91	4242.05	4242.16	-20.79	602516.22	455575.81	32°15'07.415"N	104°00'06.194"W	4.38	
14441.00	92.590	2.940	10085.76	4341.89	4342.05	-17.20	602519.80	455675.70	32°15'08.403"N	104°00'06.149"W	3.24	
14536.00	92.280	6.160	10081.72	4436.39	4436.66	-9.67	602527.33	455770.30	32°15'09.339"N	104°00'06.058"W	3.40	
14632.00	90.280	3.140	10079.57	4531.92	4532.30	-1.89	602535.11	455865.93	32°15'10.285"N	104°00'05.964"W	3.77	
14727.00	88.550	357.900	10080.55	4626.85	4627.26	-1.03	602535.97	455960.88	32°15'11.225"N	104°00'05.950"W	5.81	
14823.00	86.270	356.710	10084.88	4722.69	4723.04	-5.54	602531.74	456056.66	32°15'12.173"N	104°00'05.999"W	2.68	
14919.00	89.690	358.880	10088.27	4818.58	4818.89	-9.23	602527.77	456152.50	32°15'13.122"N	104°00'06.039"W	4.22	
15015.00	92.190	359.490	10086.69	4914.56	4914.86	-10.59	602526.41	456248.46	32°15'14.071"N	104°00'06.051"W	2.68	
15111.00	89.630	356.710	10085.17	5010.51	5010.78	-13.78	602523.22	456344.37	32°15'15.020"N	104°00'06.085"W	3.94	
15206.00	88.210	356.640	10086.96	5105.40	5105.60	-19.29	602517.72	456439.19	32°15'15.959"N	104°00'06.146"W	1.50	
15302.00	84.940	354.900	10092.69	5201.04	5201.15	-26.35	602510.65	456534.73	32°15'16.905"N	104°00'06.225"W	3.86	
15398.00	88.740	357.270	10097.98	5296.72	5296.76	-32.89	602504.11	456630.33	32°15'17.851"N	104°00'06.297"W	4.66	
15493.00	88.240	356.180	10100.49	5391.60	5391.57	-38.31	602498.69	456725.13	32°15'18.789"N	104°00'06.357"W	1.26	
15589.00	89.480	357.300	10102.40	5487.48	5487.39	-43.77	602493.23	456820.95	32°15'19.738"N	104°00'06.417"W	1.74	
15685.00	91.110	357.970	10101.90	5583.44	5583.30	-47.73	602489.27	456916.85	32°15'20.687"N	104°00'06.460"W	1.84	
15781.00	92.530	357.010	10098.85	5679.34	5679.16	-51.94	602485.07	457012.70	32°15'21.635"N	104°00'06.505"W	1.79	
15876.00	93.270	356.530	10094.05	5774.13	5773.89	-57.28	602479.72	457107.42	32°15'22.573"N	104°00'06.564"W	0.93	
15972.00	94.010	357.040	10087.95	5869.85	5869.54	-62.65	602474.35	457203.07	32°15'23.520"N	104°00'06.623"W	0.94	
16068.00	90.430	358.620	10084.24	5965.73	5965.38	-66.28	602470.72	457298.90	32°15'24.468"N	104°00'06.662"W	4.08	
16163.00	88.340	0.990	10085.26	6060.71	6060.36	-66.61	602470.40	457393.87	32°15'25.408"N	104°00'06.662"W	3.33	
16259.00	90.220	2.670	10086.46	6156.60	6156.30	-63.54	602473.46	457489.80	32°15'26.357"N	104°00'06.623"W	2.63	
16355.00	90.060	359.900	10086.23	6252.53	6252.27	-61.39	602475.62	457585.76	32°15'27.307"N	104°00'06.595"W	2.89	
16450.00	86.520	357.470	10089.06	6347.46	6347.18	-63.57	602473.44	457680.66	32°15'28.246"N	104°00'06.617"W	4.52	
16546.00	91.760	3.050	10090.50	6443.36	6443.09	-63.13	602473.88	457776.57	32°15'29.195"N	104°00'06.608"W	7.97	
16641.00	87.590	1.860	10091.04	6538.18	6537.98	-59.06	602477.94	457871.45	32°15'30.134"N	104°00'06.557"W	4.56	
16737.00	88.000	0.640	10094.74	6634.05	6633.89	-56.97	602480.04	457967.35	32°15'31.083"N	104°00'06.530"W	1.34	



Actual Wellpath Report

CB SE 5 32 FED Com 012H _awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
16833.00	93.760	0.530	10093.26	6729.97	6729.83	-55.99	602481.02	458063.28	32°15'32.032"N	104°00'06.515"W	6.00	
16928.00	95.400	359.340	10085.68	6824.66	6824.52	-56.09	602480.91	458157.97	32°15'32.969"N	104°00'06.513"W	2.13	
17024.00	92.770	358.120	10078.84	6920.40	6920.24	-58.22	602478.79	458253.68	32°15'33.917"N	104°00'06.534"W	3.02	
17119.00	91.850	358.390	10075.01	7015.31	7015.12	-61.11	602475.90	458348.55	32°15'34.856"N	104°00'06.564"W	1.01	
17215.00	87.290	357.030	10075.73	7111.24	7111.01	-64.94	602472.06	458444.44	32°15'35.805"N	104°00'06.605"W	4.96	
17311.00	91.140	359.230	10077.04	7207.19	7206.93	-68.07	602468.93	458540.35	32°15'36.754"N	104°00'06.638"W	4.62	
17406.00	86.700	356.300	10078.83	7302.11	7301.81	-71.77	602465.23	458635.22	32°15'37.693"N	104°00'06.678"W	5.60	
17502.00	92.870	354.420	10079.19	7397.84	7397.44	-79.54	602457.47	458730.84	32°15'38.639"N	104°00'06.765"W	6.72	
17598.00	89.350	353.010	10077.34	7493.36	7492.83	-90.04	602446.96	458826.22	32°15'39.584"N	104°00'06.884"W	3.95	
17694.00	87.100	354.920	10080.31	7588.90	7588.24	-100.13	602436.88	458921.63	32°15'40.528"N	104°00'06.998"W	3.07	
17789.00	91.480	358.530	10081.49	7683.76	7683.04	-105.55	602431.45	459016.42	32°15'41.466"N	104°00'07.058"W	5.97	
17885.00	89.820	358.100	10080.40	7779.74	7778.99	-108.38	602428.63	459112.36	32°15'42.416"N	104°00'07.087"W	1.79	
17980.00	86.490	359.660	10083.46	7874.67	7873.90	-110.23	602426.78	459207.27	32°15'43.355"N	104°00'07.105"W	3.87	
18076.00	90.400	358.570	10086.06	7970.62	7969.84	-111.72	602425.29	459303.19	32°15'44.304"N	104°00'07.119"W	4.23	
18172.00	88.580	356.630	10086.91	8066.57	8065.74	-115.74	602421.27	459399.09	32°15'45.253"N	104°00'07.162"W	2.77	
18267.00	90.340	0.000	10087.81	8161.53	8160.68	-118.53	602418.48	459494.02	32°15'46.193"N	104°00'07.192"W	4.00	
18363.00	87.910	4.540	10089.28	8257.35	8256.56	-114.73	602422.28	459589.89	32°15'47.142"N	104°00'07.144"W	5.36	
18458.00	87.200	3.510	10093.33	8351.93	8351.24	-108.07	602428.94	459684.56	32°15'48.078"N	104°00'07.063"W	1.32	
18554.00	90.340	2.890	10095.39	8447.67	8447.05	-102.71	602434.30	459780.37	32°15'49.026"N	104°00'06.997"W	3.33	
18649.00	85.530	3.020	10098.81	8542.38	8541.84	-97.82	602439.19	459875.15	32°15'49.964"N	104°00'06.937"W	5.07	
18745.00	88.310	1.540	10103.97	8638.09	8637.61	-94.01	602443.00	459970.91	32°15'50.912"N	104°00'06.889"W	3.28	
18840.00	86.980	359.820	10107.87	8732.98	8732.52	-92.88	602444.13	460065.81	32°15'51.851"N	104°00'06.872"W	2.29	
18936.00	89.940	0.440	10110.45	8828.92	8828.47	-92.66	602444.35	460161.76	32°15'52.800"N	104°00'06.866"W	3.15	
19032.00	86.790	359.690	10113.19	8924.86	8924.42	-92.55	602444.46	460257.70	32°15'53.750"N	104°00'06.862"W	3.37	
19127.00	91.140	359.850	10114.91	9019.81	9019.38	-92.93	602444.08	460352.65	32°15'54.689"N	104°00'06.863"W	4.58	
19223.00	92.590	359.280	10111.78	9115.76	9115.32	-93.66	602443.35	460448.59	32°15'55.639"N	104°00'06.868"W	1.62	
19318.00	93.200	359.350	10106.99	9210.64	9210.19	-94.79	602442.21	460543.45	32°15'56.578"N	104°00'06.877"W	0.65	
19414.00	94.530	358.820	10100.52	9306.42	9305.96	-96.32	602440.68	460639.21	32°15'57.525"N	104°00'06.892"W	1.49	
19509.00	92.160	358.100	10094.97	9401.24	9400.76	-98.87	602438.14	460734.00	32°15'58.463"N	104°00'06.918"W	2.61	
19605.00	89.660	355.960	10093.45	9497.14	9496.60	-103.85	602433.16	460829.84	32°15'59.412"N	104°00'06.973"W	3.43	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (217 stations)

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]	Comments
19701.00	90.550	354.430	10093.27	9592.90	9592.26	-111.89	602425.12	460925.49	32°16'00.359"N	104°00'07.063"W	1.84	
19796.00	91.850	353.160	10091.28	9687.45	9686.68	-122.15	602414.86	461019.90	32°16'01.293"N	104°00'07.179"W	1.91	
19892.00	88.310	353.500	10091.15	9782.92	9782.02	-133.30	602403.71	461115.22	32°16'02.237"N	104°00'07.305"W	3.70	
19988.00	90.430	351.910	10092.20	9878.29	9877.22	-145.49	602391.52	461210.43	32°16'03.180"N	104°00'07.444"W	2.76	
20083.00	89.820	349.470	10092.00	9972.23	9970.97	-160.86	602376.16	461304.16	32°16'04.108"N	104°00'07.619"W	2.65	
20106.00	89.110	348.660	10092.21	9994.86	9993.55	-165.22	602371.79	461326.74	32°16'04.331"N	104°00'07.669"W	4.68	6 3/4 BH MWD 9460-20106
20161.00	89.110	348.660	10093.07	10048.92	10047.47	-176.03	602360.98	461380.65	32°16'04.865"N	104°00'07.793"W	0.00	Projection to TD 20161



Actual Wellpath Report

CB SE 5 32 FED Com 012H _awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CB SE 5 32 FED COM 12H 3	10013.00	4017.35	-34.38	602502.62	455351.03	32°15'05.191"N	104°00'06.361"W	point
CB SE 5 32 FED COM 12H 5	10044.00	7553.03	-82.02	602454.99	458886.42	32°15'40.179"N	104°00'06.788"W	point
CB SE 5 32 FED COM 12H 1	10045.00	1663.56	-2.66	602534.34	452997.43	32°14'41.898"N	104°00'06.076"W	point
CB SE 5 32 FED COM 12H FTP rev 3	10054.00	-49.40	20.47	602557.47	451284.60	32°14'24.947"N	104°00'05.868"W	point
CB SE 5 32 FED COM 12H LTP	10059.00	9876.59	-112.87	602424.14	461209.79	32°16'03.172"N	104°00'07.064"W	point
CB SE 5 32 FED COM 12H 2	10060.00	2463.49	-13.44	602523.56	453797.29	32°14'49.814"N	104°00'06.173"W	point
CB SE 5 32 FED COM 12H 4	10063.00	6216.15	-64.01	602473.00	457549.65	32°15'26.950"N	104°00'06.627"W	point
CB SE 5 32 FED COM 12H PBHL rev 2	10067.00	9926.80	-114.01	602423.00	461260.00	32°16'03.669"N	104°00'07.075"W	point

WELLPATH COMPOSITION - Ref Wellbore: CB SE 5 32 FED Com 012H

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Ref Wellpath: CB SE 5 32 FED Com 012H _awp Log Name/Comment	Wellbore
28.00	432.00	BHI NaviTrak (Axial)	17 1/2" Surface (28') 158' to 432'	CB SE 5 32 FED Com 012H
432.00	6680.00	BHI NaviTrak (Axial)	12 1/4" Intermediate (432') 452' - 6680'	CB SE 5 32 FED Com 012H
6680.00	9384.00	BHI NaviTrak (Axial)	8 1/2" Intermediate (6680') 6752' - 9384'	CB SE 5 32 FED Com 012H
9384.00	20106.00	BHI NaviTrak (Axial)	6 3/4 BH MWD 9460-20106	CB SE 5 32 FED Com 012H
20106.00	20161.00	Blind Drilling (std)	Projection to bit	CB SE 5 32 FED Com 012H



Actual Wellpath Report

CB SE 5 32 FED Com 012H _awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 012H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 012H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 012H
Facility	CB 24 29 Sec 5 32 Pad 1		

COMMENTS

Wellpath general comments

Well: CB SE 5 32 FED Com 012H
Field: Purple Sage, Wolfcamp
Rig: Patterson 257
Location: Eddy Co. NM
API: 300154463800
Latitude: 32° 14' 25.436" N
Longitude: 104° 00' 06.105" W
DF Elevation: 3056.00 feet
Elev. GL: 3028.00 feet
Proposed Direction: 359.23°
PBHL: 20161.00 feet
Duration: 3/16/2018-07/28/2018
FSE's: S. Dinh
SO#: 9059563
17 1/2" Surface (28') 158' to 432'
12 1/4" Intermediate (432') 452' - 6680'
8 1/2" Intermediate (6680') 6752' - 9384'
6 3/4 BH MWD 9460-20106
Projection to TD 20161