

District I
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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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

EMNRD-OCD ARTESIA Form C-102
REC'D: 7/15/2020
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
"As-Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45711	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325014	⁵ Property Name CB NE 15 22 002	⁶ Well Number 3H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 2992'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	23 SOUTH	28 EAST, N.M.P.M.		520'	NORTH	1305'	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
P	22	23 SOUTH	28 EAST, N.M.P.M.		163'	SOUTH	345'	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill 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.

KICK OFF POINT X= 582.096' Y= 477.494' LAT. 32.312469° N LONG. 104.067599° W X= 623.279' Y= 477.554' LAT. 32.312590° N LONG. 104.068094° W	CB NE 15 22 002 NO. 3H WELL X= 581.239 NAD 27 Y= 477.044 LAT. 32.311237 LONG. 104.070376 X= 622.422 NAD83 Y= 477.104 LAT. 32.311358 LONG. 104.070871 ELEVATION +2992' NAVD 88	CORNER COORDINATES TABLE (NAD 27) A - Y=477496.90, X=577205.98 B - Y=477585.85, X=582543.98 C - Y=472181.86, X=577232.84 D - Y=472266.72, X=582546.90 E - Y=466858.95, X=577288.92 F - Y=467012.61, X=582560.30	MID POINT X= 582.200' Y= 472.261' LAT. 32.298082° N LONG. 104.067303° W X= 623.383' Y= 472.320' LAT. 32.298203° N LONG. 104.067798° W	FINAL LAST TAKE POINT X= 582.211' Y= 467.345' LAT. 32.284568° N LONG. 104.067309° W X= 623.394' Y= 467.404' LAT. 32.284689° N LONG. 104.067803° W	ACTUAL BOTTOM HOLE LOCATION X= 582.215' Y= 467.166' LAT. 32.284076° N LONG. 104.067298° W X= 623.397' Y= 467.225' LAT. 32.284197° N LONG. 104.067792° W	Kick Off Point @ 9,130' MD 83.97' FNL, 448.16' FEL Final First Take Point @ 9,800' MD 422.51' FNL, 422.01' FEL Sec. 15 Closest Point @ 10,809.00' MD Mid Point @ 14,708.62' MD Sec. 22 Final Last Take Point @ 19,626' MD 342.35' FSL, 348.77' 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>[Signature]</i> 7/2/2020 Signature Date Laura Becerra Printed Name L.Becerra@Chevron.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 09/07/18 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: ROBERT L. LASTRAPES NEW MEXICO 25008 PROFESSIONAL SURVEYOR 04/14/20 Certificate Number
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JAG 10/8/2020

Intent ☐ As Drilled ☒

API # 30-015-45711			
Operator Name: CHEVRON USA INC		Property Name: CB NE 15 22 002	Well Number 3H

Kick Off Point (KOP)

UL A	Section 15	Township 23S	Range 28E	Lot	Feet 84	From N/S FNL	Feet 448	From E/W FEL	County EDDY
Latitude 32.312590					Longitude 104.068094				NAD NAD 83/86

First Take Point (FTP)

UL A	Section 15	Township 23S	Range 28E	Lot	Feet 423	From N/S FNL	Feet 422	From E/W FEL	County EDDY
Latitude 32.311660					Longitude 104.068011				NAD NAD 83/86

Last Take Point (LTP)

UL P	Section 22	Township 23S	Range 28E	Lot	Feet 342	From N/S FSL	Feet 349	From E/W FEL	County EDDY
Latitude 32.284689					Longitude 104.067803				NAD NAD 86/86

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

Is this well an infill well? ☐

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

API # 30-015-45710			
Operator Name: CHEVRON USA INC		Property Name: CB NE 15 22 002	Well Number 2H

KZ 06/29/2018



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'
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**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	Weimkyl
Scale	0.999917	Report Generated	08/Oct/2019 at 15:59
Convergence at slot	0.14° 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	100.01	581239.00	477044.00	32°18'40.451"N	104°04'13.353"W
Facility Reference Pt			581139.00	477045.00	32°18'40.463"N	104°04'14.518"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 MSL	3020.00ft
Horizontal Reference Pt	Slot	Patterson 257 (KB) to Mean Sea Level	3020.00ft
Vertical Reference Pt	Patterson 257 (KB)	Patterson 257 (KB) to Ground Level at Slot (CB NE 15 22 002 3H)	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	179.92°

We hereby certify that the surveys contained herein, are to the best of our knowledge a true and accurate account of the well.

MWD COORDINATOR



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (171 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	287.160	0.00	0.00	0.00	0.00	581239.00	477044.00	32°18'40.451"N	104°04'13.353"W	0.00	0.00	0.00	
28.00	0.000	287.160	28.00	0.00	0.00	0.00	581239.00	477044.00	32°18'40.451"N	104°04'13.353"W	0.00	0.00	0.00	
241.00	0.400	287.160	241.00	-0.22	0.22	-0.71	581238.29	477044.22	32°18'40.453"N	104°04'13.361"W	0.19	0.19	-34.20	17-1/2" BH MWD 241'-425'
333.00	0.670	271.700	332.99	-0.33	0.33	-1.55	581237.45	477044.33	32°18'40.454"N	104°04'13.371"W	0.33	0.29	-16.80	
425.00	0.940	263.610	424.99	-0.27	0.26	-2.84	581236.16	477044.26	32°18'40.454"N	104°04'13.386"W	0.32	0.29	-8.79	
490.00	0.910	266.190	489.98	-0.17	0.17	-3.89	581235.11	477044.17	32°18'40.453"N	104°04'13.398"W	0.08	-0.05	3.97	12-1/4" BH MWD 490'- 9001'
583.00	1.210	44.590	582.97	-0.82	0.82	-3.93	581235.07	477044.82	32°18'40.459"N	104°04'13.399"W	2.13	0.32	148.82	
675.00	3.670	56.520	674.88	-3.14	3.14	-0.80	581238.20	477047.13	32°18'40.482"N	104°04'13.362"W	2.72	2.67	12.97	
785.00	4.230	57.790	784.62	-7.23	7.24	5.57	581244.57	477051.24	32°18'40.522"N	104°04'13.288"W	0.52	0.51	1.15	
879.00	4.880	61.510	878.32	-10.98	10.99	12.02	581251.02	477054.99	32°18'40.559"N	104°04'13.213"W	0.76	0.69	3.96	
976.00	6.790	56.290	974.81	-16.12	16.15	20.42	581259.42	477060.14	32°18'40.610"N	104°04'13.115"W	2.04	1.97	-5.38	
1071.00	7.270	55.100	1069.10	-22.66	22.70	30.02	581269.02	477066.70	32°18'40.675"N	104°04'13.003"W	0.53	0.51	-1.25	
1167.00	7.660	58.390	1164.29	-29.47	29.53	40.45	581279.45	477073.53	32°18'40.742"N	104°04'12.881"W	0.60	0.41	3.43	
1263.00	9.600	60.030	1259.20	-36.81	36.88	52.83	581291.83	477080.88	32°18'40.815"N	104°04'12.736"W	2.04	2.02	1.71	
1358.00	10.970	61.130	1352.67	-45.11	45.21	67.61	581306.61	477089.20	32°18'40.897"N	104°04'12.564"W	1.46	1.44	1.16	
1454.00	11.580	60.750	1446.81	-54.21	54.32	84.02	581323.01	477098.32	32°18'40.986"N	104°04'12.373"W	0.64	0.64	-0.40	
1550.00	11.070	60.920	1540.94	-63.37	63.51	100.48	581339.47	477107.51	32°18'41.077"N	104°04'12.180"W	0.53	-0.53	0.18	
1646.00	12.130	59.740	1634.98	-72.91	73.07	117.25	581356.24	477117.07	32°18'41.171"N	104°04'11.985"W	1.13	1.10	-1.23	
1837.00	11.780	61.220	1821.84	-92.36	92.57	151.67	581390.66	477136.56	32°18'41.363"N	104°04'11.583"W	0.24	-0.18	0.77	
2028.00	13.030	64.100	2008.38	-111.10	111.37	188.13	581427.11	477155.36	32°18'41.548"N	104°04'11.158"W	0.73	0.65	1.51	
2220.00	12.160	69.280	2195.76	-127.66	127.98	226.51	581465.49	477171.96	32°18'41.712"N	104°04'10.710"W	0.74	-0.45	2.70	
2411.00	12.250	64.390	2382.45	-143.48	143.85	263.60	581502.58	477187.84	32°18'41.868"N	104°04'10.278"W	0.54	0.05	-2.56	
2602.00	11.680	61.720	2569.30	-161.35	161.77	298.90	581537.88	477205.76	32°18'42.044"N	104°04'09.866"W	0.42	-0.30	-1.40	
2793.00	13.970	58.800	2755.53	-182.41	182.88	335.65	581574.62	477226.86	32°18'42.252"N	104°04'09.437"W	1.25	1.20	-1.53	
2984.00	13.860	58.390	2940.92	-206.29	206.81	374.86	581613.82	477250.79	32°18'42.488"N	104°04'08.979"W	0.08	-0.06	-0.21	
3175.00	14.350	58.360	3126.16	-230.64	231.22	414.49	581653.45	477275.20	32°18'42.729"N	104°04'08.517"W	0.26	0.26	-0.02	
3366.00	14.490	57.590	3311.14	-255.81	256.44	454.81	581693.78	477300.42	32°18'42.977"N	104°04'08.046"W	0.12	0.07	-0.40	
3558.00	11.830	57.910	3498.09	-279.09	279.77	491.77	581730.73	477323.75	32°18'43.207"N	104°04'07.615"W	1.39	-1.39	0.17	
3749.00	11.850	58.720	3685.02	-299.62	300.36	525.12	581764.08	477344.33	32°18'43.410"N	104°04'07.226"W	0.09	0.01	0.42	
3940.00	12.250	58.000	3871.81	-320.50	321.28	559.07	581798.02	477365.25	32°18'43.616"N	104°04'06.830"W	0.22	0.21	-0.38	



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (171 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
4131.00	11.970	58.270	4058.56	-341.60	342.43	593.10	581832.05	477386.40	32°18'43.825"N	104°04'06.433"W	0.15	-0.15	0.14	
4323.00	11.630	58.090	4246.50	-362.26	363.13	626.46	581865.40	477407.10	32°18'44.029"N	104°04'06.043"W	0.18	-0.18	-0.09	
4514.00	11.900	57.590	4433.49	-382.94	383.86	659.43	581898.37	477427.83	32°18'44.233"N	104°04'05.659"W	0.15	0.14	-0.26	
4705.00	11.850	57.730	4620.40	-403.92	404.89	692.63	581931.57	477448.85	32°18'44.441"N	104°04'05.271"W	0.03	-0.03	0.07	
4897.00	10.820	60.710	4808.66	-423.22	424.23	725.02	581963.96	477468.20	32°18'44.631"N	104°04'04.893"W	0.62	-0.54	1.55	
5088.00	8.800	63.030	4996.86	-438.58	439.63	753.68	581992.62	477483.59	32°18'44.783"N	104°04'04.559"W	1.08	-1.06	1.21	
5279.00	7.040	62.080	5186.03	-450.65	451.74	777.05	582015.98	477495.70	32°18'44.902"N	104°04'04.286"W	0.92	-0.92	-0.50	
5471.00	5.930	64.330	5376.80	-460.43	461.54	796.38	582035.31	477505.50	32°18'44.999"N	104°04'04.061"W	0.59	-0.58	1.17	
5662.00	4.790	63.710	5566.96	-468.22	469.35	812.42	582051.36	477513.31	32°18'45.075"N	104°04'03.874"W	0.60	-0.60	-0.32	
5853.00	3.710	68.260	5757.43	-474.02	475.17	825.32	582064.24	477519.13	32°18'45.133"N	104°04'03.723"W	0.59	-0.57	2.38	
6044.00	2.500	66.850	5948.15	-477.93	479.10	834.89	582073.81	477523.06	32°18'45.171"N	104°04'03.612"W	0.63	-0.63	-0.74	
6236.00	1.530	79.210	6140.03	-480.05	481.22	841.25	582080.18	477525.18	32°18'45.192"N	104°04'03.537"W	0.55	-0.51	6.44	
6427.00	1.080	77.070	6330.98	-480.92	482.10	845.51	582084.44	477526.06	32°18'45.201"N	104°04'03.488"W	0.24	-0.24	-1.12	
6618.00	0.760	84.380	6521.95	-481.45	482.63	848.53	582087.46	477526.59	32°18'45.206"N	104°04'03.452"W	0.18	-0.17	3.83	
6810.00	0.990	59.610	6713.93	-482.41	483.60	851.23	582090.15	477527.55	32°18'45.215"N	104°04'03.421"W	0.23	0.12	-12.90	
7001.00	1.550	113.390	6904.89	-482.21	483.40	855.02	582093.95	477527.36	32°18'45.213"N	104°04'03.377"W	0.66	0.29	28.16	
7193.00	1.920	136.770	7096.80	-478.83	480.03	859.61	582098.53	477523.99	32°18'45.180"N	104°04'03.323"W	0.41	0.19	12.18	
7384.00	1.850	157.950	7287.70	-473.64	474.84	862.96	582101.88	477518.80	32°18'45.129"N	104°04'03.285"W	0.36	-0.04	11.09	
7575.00	1.450	157.510	7478.62	-468.54	469.75	865.04	582103.96	477513.71	32°18'45.078"N	104°04'03.260"W	0.21	-0.21	-0.23	
7767.00	0.650	237.650	7670.60	-465.72	466.92	865.05	582103.97	477510.88	32°18'45.050"N	104°04'03.260"W	0.77	-0.42	41.74	
7958.00	0.610	215.760	7861.58	-464.31	465.52	863.54	582102.46	477509.48	32°18'45.036"N	104°04'03.278"W	0.13	-0.02	-11.46	
8149.00	0.280	136.710	8052.58	-463.15	464.35	863.26	582102.19	477508.31	32°18'45.025"N	104°04'03.281"W	0.33	-0.17	-41.39	
8341.00	0.780	172.150	8244.57	-461.51	462.72	863.76	582102.69	477506.68	32°18'45.009"N	104°04'03.276"W	0.30	0.26	18.46	
8533.00	0.590	182.350	8436.56	-459.23	460.44	863.90	582102.83	477504.40	32°18'44.986"N	104°04'03.274"W	0.12	-0.10	5.31	
8725.00	0.940	225.070	8628.54	-457.13	458.34	862.75	582101.67	477502.30	32°18'44.965"N	104°04'03.288"W	0.34	0.18	22.25	
8916.00	1.250	230.970	8819.51	-454.72	455.92	860.02	582098.95	477499.88	32°18'44.941"N	104°04'03.319"W	0.17	0.16	3.09	
9001.00	1.620	223.390	8904.48	-453.26	454.46	858.47	582097.40	477498.42	32°18'44.927"N	104°04'03.337"W	0.49	0.44	-8.92	
9086.00	0.850	214.640	8989.46	-451.87	453.07	857.29	582096.22	477497.03	32°18'44.913"N	104°04'03.351"W	0.93	-0.91	-10.29	8-1/2" BH MWD 9086' - 19870'
9182.00	6.990	183.650	9085.19	-445.45	446.65	856.51	582095.44	477490.61	32°18'44.850"N	104°04'03.360"W	6.54	6.40	-32.28	
9277.00	16.470	180.750	9178.10	-426.17	427.37	855.97	582094.89	477471.33	32°18'44.659"N	104°04'03.367"W	10.00	9.98	-3.05	



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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9372.00	22.020	173.420	9267.77	-394.98	396.18	857.83	582096.76	477440.15	32°18'44.350"N	104°04'03.347"W	6.36	5.84	-7.72	
9468.00	30.350	174.480	9353.85	-352.88	354.09	862.24	582101.16	477398.06	32°18'43.934"N	104°04'03.296"W	8.69	8.68	1.10	
9563.00	41.260	175.940	9430.78	-297.57	298.78	866.78	582105.70	477342.76	32°18'43.386"N	104°04'03.245"W	11.52	11.48	1.54	
9659.00	49.830	175.460	9497.95	-229.30	230.52	871.93	582110.86	477274.50	32°18'42.711"N	104°04'03.187"W	8.93	8.93	-0.50	
9754.00	59.840	174.180	9552.59	-152.05	153.28	878.99	582117.91	477197.26	32°18'41.946"N	104°04'03.107"W	10.59	10.54	-1.35	
9850.00	69.490	173.960	9593.62	-65.84	67.08	887.95	582126.87	477111.07	32°18'41.093"N	104°04'03.005"W	10.05	10.05	-0.23	
9945.00	82.090	173.950	9616.90	25.57	-24.32	897.62	582136.55	477019.68	32°18'40.188"N	104°04'02.895"W	13.26	13.26	-0.01	
10041.00	91.910	174.450	9621.92	120.85	-119.58	907.30	582146.22	476924.43	32°18'39.245"N	104°04'02.785"W	10.24	10.23	0.52	
10140.00	90.000	172.890	9620.27	219.24	-217.95	918.21	582157.13	476826.06	32°18'38.272"N	104°04'02.661"W	2.49	-1.93	-1.58	
10235.00	89.850	174.870	9620.39	313.70	-312.41	928.34	582167.26	476731.62	32°18'37.337"N	104°04'02.546"W	2.09	-0.16	2.08	
10331.00	89.910	175.120	9620.59	409.35	-408.04	936.72	582175.64	476635.99	32°18'36.390"N	104°04'02.451"W	0.27	0.06	0.26	
10426.00	90.460	173.230	9620.28	503.87	-502.55	946.36	582185.28	476541.50	32°18'35.455"N	104°04'02.341"W	2.07	0.58	-1.99	
10522.00	90.220	173.850	9619.71	599.27	-597.93	957.16	582196.08	476446.12	32°18'34.511"N	104°04'02.218"W	0.69	-0.25	0.65	
10618.00	90.220	175.220	9619.35	694.84	-693.50	966.30	582205.22	476350.56	32°18'33.565"N	104°04'02.114"W	1.43	0.00	1.43	
10714.00	90.340	177.840	9618.88	790.67	-789.31	972.11	582211.03	476254.76	32°18'32.617"N	104°04'02.049"W	2.73	0.12	2.73	
10809.00	90.220	179.680	9618.41	885.64	-884.28	974.17	582213.08	476159.79	32°18'31.677"N	104°04'02.028"W	1.94	-0.13	1.94	
10905.00	90.150	180.290	9618.10	981.64	-980.28	974.19	582213.11	476063.80	32°18'30.727"N	104°04'02.031"W	0.64	-0.07	0.64	
11000.00	89.880	180.250	9618.08	1076.64	-1075.28	973.74	582212.66	475968.81	32°18'29.787"N	104°04'02.039"W	0.29	-0.28	-0.04	
11096.00	89.970	182.030	9618.20	1172.61	-1171.26	971.83	582210.75	475872.84	32°18'28.837"N	104°04'02.064"W	1.86	0.09	1.85	
11192.00	89.910	181.210	9618.30	1268.57	-1267.22	969.12	582208.04	475776.89	32°18'27.888"N	104°04'02.098"W	0.86	-0.06	-0.85	
11287.00	89.940	181.020	9618.43	1363.55	-1362.20	967.27	582206.19	475681.92	32°18'26.948"N	104°04'02.122"W	0.20	0.03	-0.20	
11383.00	90.370	181.170	9618.17	1459.53	-1458.18	965.44	582204.35	475585.94	32°18'25.998"N	104°04'02.146"W	0.47	0.45	0.16	
11479.00	90.890	181.430	9617.11	1555.49	-1554.15	963.26	582202.18	475489.98	32°18'25.049"N	104°04'02.175"W	0.61	0.54	0.27	
11574.00	90.400	181.270	9616.04	1650.46	-1649.12	961.02	582199.94	475395.02	32°18'24.109"N	104°04'02.203"W	0.54	-0.52	-0.17	
11670.00	90.370	180.230	9615.40	1746.44	-1745.11	959.76	582198.68	475299.04	32°18'23.159"N	104°04'02.221"W	1.08	-0.03	-1.08	
11765.00	90.280	179.910	9614.86	1841.44	-1840.10	959.65	582198.57	475204.05	32°18'22.219"N	104°04'02.225"W	0.35	-0.09	-0.34	
11861.00	90.490	179.760	9614.21	1937.44	-1936.10	959.92	582198.84	475108.06	32°18'21.269"N	104°04'02.224"W	0.27	0.22	-0.16	
11956.00	90.340	180.870	9613.53	2032.43	-2031.10	959.40	582198.32	475013.08	32°18'20.329"N	104°04'02.233"W	1.18	-0.16	1.17	
12052.00	90.620	179.810	9612.72	2128.43	-2127.09	958.83	582197.75	474917.09	32°18'19.379"N	104°04'02.243"W	1.14	0.29	-1.10	
12147.00	90.090	181.170	9612.13	2223.42	-2222.08	958.02	582196.94	474822.11	32°18'18.439"N	104°04'02.255"W	1.54	-0.56	1.43	



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (171 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12243.00	91.570	179.840	9610.74	2319.40	-2318.06	957.17	582196.09	474726.13	32°18'17.490"N	104°04'02.268"W	2.07	1.54	-1.39	
12338.00	91.320	178.670	9608.35	2414.36	-2413.02	958.41	582197.33	474631.18	32°18'16.550"N	104°04'02.256"W	1.26	-0.26	-1.23	
12434.00	92.430	179.020	9605.21	2510.29	-2508.95	960.34	582199.26	474535.26	32°18'15.601"N	104°04'02.236"W	1.21	1.16	0.36	
12530.00	91.420	179.070	9601.98	2606.22	-2604.88	961.94	582200.86	474439.34	32°18'14.651"N	104°04'02.220"W	1.05	-1.05	0.05	
12625.00	90.460	179.150	9600.42	2701.20	-2699.86	963.42	582202.33	474344.37	32°18'13.711"N	104°04'02.206"W	1.01	-1.01	0.08	
12721.00	88.770	179.210	9601.07	2797.19	-2795.84	964.79	582203.71	474248.40	32°18'12.762"N	104°04'02.193"W	1.76	-1.76	0.06	
12816.00	87.810	179.260	9603.90	2892.14	-2890.79	966.06	582204.98	474153.46	32°18'11.822"N	104°04'02.181"W	1.01	-1.01	0.05	
12912.00	87.940	179.880	9607.46	2988.07	-2986.72	966.78	582205.70	474057.53	32°18'10.873"N	104°04'02.175"W	0.66	0.14	0.65	
13008.00	87.780	180.250	9611.05	3084.00	-3082.65	966.67	582205.59	473961.61	32°18'09.924"N	104°04'02.179"W	0.42	-0.17	0.39	
13103.00	88.340	180.700	9614.26	3178.94	-3177.59	965.88	582204.80	473866.68	32°18'08.984"N	104°04'02.191"W	0.76	0.59	0.47	
13199.00	88.430	179.990	9616.97	3274.90	-3273.55	965.30	582204.22	473770.73	32°18'08.035"N	104°04'02.200"W	0.75	0.09	-0.74	
13294.00	88.950	180.180	9619.14	3369.87	-3368.53	965.16	582204.08	473675.76	32°18'07.095"N	104°04'02.205"W	0.58	0.55	0.20	
13390.00	89.940	179.960	9620.07	3465.87	-3464.52	965.05	582203.96	473579.77	32°18'06.145"N	104°04'02.209"W	1.06	1.03	-0.23	
13486.00	89.910	180.370	9620.20	3561.87	-3560.52	964.77	582203.69	473483.78	32°18'05.195"N	104°04'02.215"W	0.43	-0.03	0.43	
13581.00	89.940	180.030	9620.32	3656.86	-3655.52	964.44	582203.36	473388.79	32°18'04.255"N	104°04'02.222"W	0.36	0.03	-0.36	
13677.00	90.280	180.210	9620.14	3752.86	-3751.52	964.24	582203.15	473292.80	32°18'03.305"N	104°04'02.227"W	0.40	0.35	0.19	
13772.00	90.250	180.750	9619.70	3847.86	-3846.52	963.44	582202.36	473197.81	32°18'02.365"N	104°04'02.239"W	0.57	-0.03	0.57	
13868.00	90.280	180.030	9619.25	3943.85	-3942.51	962.79	582201.71	473101.82	32°18'01.415"N	104°04'02.249"W	0.75	0.03	-0.75	
13963.00	90.220	180.590	9618.84	4038.85	-4037.51	962.27	582201.19	473006.83	32°18'00.475"N	104°04'02.258"W	0.59	-0.06	0.59	
14059.00	90.120	180.370	9618.55	4134.84	-4133.51	961.47	582200.39	472910.85	32°17'59.525"N	104°04'02.270"W	0.25	-0.10	-0.23	
14155.00	90.000	180.610	9618.45	4230.84	-4229.50	960.65	582199.57	472814.86	32°17'58.575"N	104°04'02.282"W	0.28	-0.13	0.25	
14250.00	89.780	180.360	9618.64	4325.83	-4324.50	959.84	582198.76	472719.87	32°17'57.635"N	104°04'02.294"W	0.35	-0.23	-0.26	
14346.00	89.850	179.940	9618.95	4421.83	-4420.50	959.59	582198.51	472623.88	32°17'56.685"N	104°04'02.300"W	0.44	0.07	-0.44	
14441.00	90.120	180.650	9618.97	4516.83	-4515.50	959.10	582198.02	472528.89	32°17'55.745"N	104°04'02.309"W	0.80	0.28	0.75	
14537.00	90.180	180.270	9618.72	4612.83	-4611.49	958.33	582197.25	472432.90	32°17'54.795"N	104°04'02.320"W	0.40	0.06	-0.40	
14633.00	90.150	179.620	9618.44	4708.82	-4707.49	958.43	582197.34	472336.91	32°17'53.845"N	104°04'02.322"W	0.68	-0.03	-0.68	
14728.00	90.180	179.290	9618.17	4803.82	-4802.49	959.33	582198.25	472241.92	32°17'52.905"N	104°04'02.314"W	0.35	0.03	-0.35	
14824.00	90.280	179.030	9617.78	4899.81	-4898.48	960.74	582199.65	472145.94	32°17'51.956"N	104°04'02.301"W	0.29	0.10	-0.27	
14919.00	90.180	178.960	9617.40	4994.80	-4993.46	962.40	582201.32	472050.97	32°17'51.016"N	104°04'02.284"W	0.13	-0.11	-0.07	
15015.00	90.090	179.250	9617.18	5090.79	-5089.45	963.90	582202.82	471954.99	32°17'50.066"N	104°04'02.269"W	0.32	-0.09	0.30	



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (171 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15111.00	89.720	178.900	9617.34	5186.78	-5185.43	965.45	582204.37	471859.01	32°17'49.116"N	104°04'02.254"W	0.53	-0.39	-0.36	
15206.00	90.430	178.820	9617.21	5281.76	-5280.42	967.34	582206.26	471764.04	32°17'48.176"N	104°04'02.235"W	0.75	0.75	-0.08	
15302.00	90.220	179.420	9616.67	5377.75	-5376.40	968.82	582207.73	471668.06	32°17'47.226"N	104°04'02.220"W	0.66	-0.22	0.63	
15398.00	90.220	180.190	9616.30	5473.75	-5472.40	969.14	582208.06	471572.07	32°17'46.276"N	104°04'02.219"W	0.80	0.00	0.80	
15493.00	91.200	180.540	9615.12	5568.74	-5567.39	968.54	582207.46	471477.09	32°17'45.336"N	104°04'02.229"W	1.10	1.03	0.37	
15589.00	90.280	179.770	9613.88	5664.73	-5663.38	968.28	582207.20	471381.10	32°17'44.386"N	104°04'02.235"W	1.25	-0.96	-0.80	
15685.00	90.150	180.250	9613.52	5760.72	-5759.38	968.26	582207.18	471285.11	32°17'43.436"N	104°04'02.238"W	0.52	-0.14	0.50	
15780.00	90.090	180.550	9613.32	5855.72	-5854.38	967.60	582206.52	471190.12	32°17'42.496"N	104°04'02.248"W	0.32	-0.06	0.32	
15876.00	90.460	180.610	9612.86	5951.71	-5950.37	966.63	582205.54	471094.14	32°17'41.547"N	104°04'02.262"W	0.39	0.39	0.06	
15972.00	88.120	178.750	9614.05	6047.69	-6046.35	967.16	582206.08	470998.17	32°17'40.597"N	104°04'02.259"W	3.11	-2.44	-1.94	
16068.00	88.310	180.370	9617.04	6143.64	-6142.30	967.90	582206.82	470902.23	32°17'39.647"N	104°04'02.253"W	1.70	0.20	1.69	
16163.00	89.940	180.600	9618.49	6238.62	-6237.28	967.09	582206.01	470807.25	32°17'38.707"N	104°04'02.265"W	1.73	1.72	0.24	
16259.00	90.000	180.590	9618.54	6334.62	-6333.27	966.10	582205.02	470711.27	32°17'37.758"N	104°04'02.280"W	0.06	0.06	-0.01	
16355.00	89.820	180.580	9618.69	6430.61	-6429.27	965.12	582204.04	470615.28	32°17'36.808"N	104°04'02.294"W	0.19	-0.19	-0.01	
16450.00	89.570	179.520	9619.20	6525.61	-6524.27	965.03	582203.95	470520.29	32°17'35.868"N	104°04'02.298"W	1.15	-0.26	-1.12	
16546.00	89.780	180.100	9619.74	6621.60	-6620.26	965.35	582204.27	470424.30	32°17'34.918"N	104°04'02.297"W	0.64	0.22	0.60	
16642.00	90.340	180.380	9619.64	6717.60	-6716.26	964.95	582203.87	470328.31	32°17'33.968"N	104°04'02.304"W	0.65	0.58	0.29	
16737.00	90.150	179.930	9619.24	6812.60	-6811.26	964.69	582203.61	470233.32	32°17'33.028"N	104°04'02.310"W	0.51	-0.20	-0.47	
16833.00	90.220	180.570	9618.93	6908.60	-6907.26	964.28	582203.19	470137.33	32°17'32.078"N	104°04'02.317"W	0.67	0.07	0.67	
16928.00	90.430	180.020	9618.39	7003.59	-7002.26	963.79	582202.70	470042.34	32°17'31.138"N	104°04'02.326"W	0.62	0.22	-0.58	
17024.00	89.820	178.880	9618.18	7099.59	-7098.25	964.71	582203.63	469946.36	32°17'30.188"N	104°04'02.318"W	1.35	-0.64	-1.19	
17119.00	89.970	179.110	9618.35	7194.58	-7193.23	966.37	582205.29	469851.38	32°17'29.248"N	104°04'02.301"W	0.29	0.16	0.24	
17215.00	90.090	179.510	9618.30	7290.57	-7289.23	967.53	582206.45	469755.40	32°17'28.298"N	104°04'02.291"W	0.44	0.13	0.42	
17310.00	89.940	178.790	9618.28	7385.56	-7384.22	968.94	582207.86	469660.41	32°17'27.358"N	104°04'02.277"W	0.77	-0.16	-0.76	
17406.00	89.540	178.830	9618.71	7481.54	-7480.19	970.93	582209.85	469564.44	32°17'26.408"N	104°04'02.256"W	0.42	-0.42	0.04	
17501.00	89.450	179.450	9619.55	7576.53	-7575.18	972.36	582211.28	469469.47	32°17'25.468"N	104°04'02.243"W	0.66	-0.09	0.65	
17597.00	89.480	179.940	9620.45	7672.52	-7671.17	972.87	582211.79	469373.48	32°17'24.519"N	104°04'02.239"W	0.51	0.03	0.51	
17692.00	89.450	180.450	9621.33	7767.52	-7766.17	972.55	582211.46	469278.49	32°17'23.579"N	104°04'02.246"W	0.54	-0.03	0.54	
17788.00	89.570	180.320	9622.15	7863.51	-7862.16	971.90	582210.82	469182.51	32°17'22.629"N	104°04'02.256"W	0.18	0.12	-0.14	
17883.00	89.750	180.390	9622.72	7958.51	-7957.16	971.31	582210.23	469087.52	32°17'21.689"N	104°04'02.266"W	0.20	0.19	0.07	



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (171 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]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
17979.00	91.660	181.290	9621.54	8054.48	-8053.14	969.91	582208.82	468991.55	32°17'20.739"N	104°04'02.285"W	2.20	1.99	0.94	
18075.00	88.800	180.240	9621.15	8150.46	-8149.12	968.62	582207.54	468895.58	32°17'19.789"N	104°04'02.303"W	3.17	-2.98	-1.09	
18170.00	90.620	181.340	9621.63	8245.44	-8244.10	967.31	582206.23	468800.60	32°17'18.849"N	104°04'02.321"W	2.24	1.92	1.16	
18266.00	89.510	181.660	9621.52	8341.40	-8340.06	964.80	582203.72	468704.65	32°17'17.900"N	104°04'02.353"W	1.20	-1.16	0.33	
18361.00	90.120	182.470	9621.83	8436.34	-8435.00	961.38	582200.30	468609.72	32°17'16.960"N	104°04'02.395"W	1.07	0.64	0.85	
18457.00	90.590	184.320	9621.24	8532.15	-8530.83	955.69	582194.61	468513.90	32°17'16.012"N	104°04'02.464"W	1.99	0.49	1.93	
18546.00	89.910	181.870	9620.85	8621.01	-8619.69	950.89	582189.81	468425.05	32°17'15.133"N	104°04'02.523"W	2.86	-0.76	-2.75	
18641.00	89.940	178.710	9620.97	8715.99	-8714.68	950.41	582189.33	468330.07	32°17'14.193"N	104°04'02.531"W	3.33	0.03	-3.33	
18736.00	90.120	178.030	9620.92	8810.96	-8809.64	953.11	582192.03	468235.12	32°17'13.254"N	104°04'02.502"W	0.74	0.19	-0.72	
18832.00	89.170	178.430	9621.52	8906.91	-8905.59	956.08	582194.99	468139.17	32°17'12.304"N	104°04'02.471"W	1.07	-0.99	0.42	
18927.00	89.780	178.870	9622.39	9001.89	-9000.56	958.31	582197.23	468044.21	32°17'11.364"N	104°04'02.447"W	0.79	0.64	0.46	
19023.00	89.880	178.900	9622.67	9097.87	-9096.54	960.18	582199.10	467948.24	32°17'10.414"N	104°04'02.428"W	0.11	0.10	0.03	
19118.00	89.910	178.670	9622.85	9192.85	-9191.52	962.20	582201.11	467853.27	32°17'09.474"N	104°04'02.408"W	0.24	0.03	-0.24	
19213.00	90.280	178.940	9622.69	9287.83	-9286.50	964.18	582203.10	467758.30	32°17'08.535"N	104°04'02.387"W	0.48	0.39	0.28	
19309.00	89.660	178.660	9622.74	9383.81	-9382.47	966.19	582205.11	467662.33	32°17'07.585"N	104°04'02.367"W	0.71	-0.65	-0.29	
19404.00	90.190	178.810	9622.86	9478.79	-9477.45	968.29	582207.20	467567.36	32°17'06.645"N	104°04'02.345"W	0.58	0.56	0.16	
19500.00	89.450	178.920	9623.16	9574.78	-9573.43	970.19	582209.10	467471.39	32°17'05.695"N	104°04'02.326"W	0.78	-0.77	0.11	
19595.00	89.540	179.210	9624.00	9669.76	-9668.41	971.74	582210.65	467376.41	32°17'04.755"N	104°04'02.310"W	0.32	0.09	0.31	
19691.00	89.570	178.850	9624.75	9765.75	-9764.40	973.36	582212.28	467280.44	32°17'03.805"N	104°04'02.294"W	0.38	0.03	-0.38	
19780.00	89.600	178.450	9625.39	9854.72	-9853.37	975.46	582214.38	467191.47	32°17'02.925"N	104°04'02.272"W	0.45	0.03	-0.45	
19805.00	89.600	178.450	9625.57	9879.71	-9878.36	976.13	582215.05	467166.48	32°17'02.678"N	104°04'02.265"W	0.00	0.00	0.00	Projection to TD 19805'



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CB NE 15 22 002 3H FTP	9622.00	206.02	975.08	582214.00	477250.00	32°18'42.466"N	104°04'01.986"W	point
CB NE 15 22 002 3H LTP	9622.00	-9711.83	990.08	582229.00	467333.00	32°17'04.325"N	104°04'02.098"W	point
CB NE 15 22 002 3H MP	9622.00	-4783.41	978.08	582217.00	472261.00	32°17'53.094"N	104°04'02.095"W	point
CB NE 15 22 002 3H PBHL	9622.00	-9941.85	991.08	582230.00	467103.00	32°17'02.049"N	104°04'02.093"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: CB NE 15 22 002 3H AWB Ref Wellpath: CB NE 15 22 002 3H_241'-19780' Proj: 19805'				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	425.00	OWSG MWD rev2 + HRGM	17-1/2" BH MWD 241'-425'	CB NE 15 22 002 3H AWB
425.00	9001.00	OWSG MWD rev2 + HRGM	12-1/4" BH MWD Surveys 490'- 9001'	CB NE 15 22 002 3H AWB
9001.00	19780.00	OWSG MWD rev2 + HRGM	8 1/2 BH MWD 9086' - 19870'	CB NE 15 22 002 3H AWB
19780.00	19805.00	Blind Drilling (std)	Projection to bit	CB NE 15 22 002 3H AWB



Actual Wellpath Report

CB NE 15 22 002 3H_241'-19780' Proj: 19805'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 3H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 3H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 3H AWB
Facility	CB NE 15 22 002		

COMMENTS

Wellpath general comments

Well: CB NE 15 22 002 No. 3H
Field: Purple Sage, Wolfcamp NAD 27
Rig: Patterson 257
Location: Eddy, NM
API: 30-015-45711-00
Latitude: 032° 18' 40.451" N
Longitude: 104° 04' 13.353" W
DF Elevation: 2992.00 ft
Elev. GL: 3020.00 ft
DF: 28.00 ft
Proposed Direction: 179.92
PBHL: 19805 feet
Duration: 08/07/2019-10/01/2019
FSE's: Remote Ops
SO#: 109951516
17-1/2" BH MWD 241'-425'
12-1/4" BH MWD 490'- 9001'
8-1/2" BH MWD 9086' - 19870'
Projection to TD 19805'