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Phone: (575) 393-6161 Fax: (575) 393-0720
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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
REC'D: 7/15/2020 Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
"As-Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45709	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 1H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 2992'

¹⁰ Surface Location

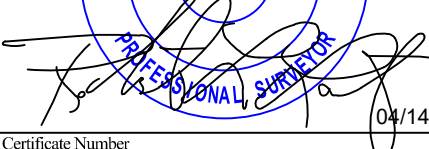
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	23 SOUTH	28 EAST, N.M.P.M.		518'	NORTH	1405'	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	22	23 SOUTH	28 EAST, N.M.P.M.		159'	SOUTH	2175'	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.

¹⁶ KICK OFF POINT X= 580,356' Y= 477,481' LAT. 32.312442° N LONG. 104.073230° W NAD 27 X= 621,539' Y= 477,540' LAT. 32.312563° N LONG. 104.073725° W NAD83/86 FINAL FIRST TAKE POINT X= 580,351' Y= 477,162' LAT. 32.311567° N LONG. 104.073249° W NAD 27 X= 621,534' Y= 477,221' LAT. 32.311687° N LONG. 104.073744° W NAD83/86 MID POINT X= 580,362' Y= 472,232' LAT. 32.298014° N LONG. 104.073253° W NAD 27 X= 621,544' Y= 472,291' LAT. 32.298135° N LONG. 104.073748° W NAD83/86 FINAL LAST TAKE POINT X= 580,385' Y= 467,290' LAT. 32.284429° N LONG. 104.073216° W NAD 27 X= 621,568' Y= 467,349' LAT. 32.284550° N LONG. 104.073710° W NAD83/86	CB NE 15 22 002 NO.1H WELL X= 581,139 NAD 27 Y= 477,045 LAT. 32.311239 LONG. 104.070700 X= 622,322 NAD83 Y= 477,104 LAT. 32.311360 LONG. 104.071195 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 ACTUAL BOTTOM HOLE LOCATION X= 580,385' Y= 467,108' LAT. 32.283929° N LONG. 104.073217° W NAD 27 X= 621,568' Y= 467,167' LAT. 32.284050° N LONG. 104.073712° W NAD83/86	Kick Off Point @ 9,077' MD 68.79' FNL, 2,189.83' FEL 480.11' FWL Lease Final First Take Point @ 9,719' MD 387.26' FNL, 2,193.08' FEL 475.09' FWL Lease Sec. 15 Mid Point @ 14,667.60' MD Sec. 22 Final Last Take Point @ 19,623' MD 340.71' FSL, 2,174.26' FEL 463.03' FWL Lease 462' 2175'	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.  7/2/2020 Signature Date Laura Becerra Printed Name LBecerra@Chevron.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 09/07/18 Date of Survey  Signature and Seal of Professional Surveyor. 04/14/20 Certificate Number
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10/6/20 - JAG

Intent ☐ As Drilled ☒

API # 30-015-45709			
Operator Name: CHEVRON USA INC		Property Name: CB NE 15 22 002	Well Number 1H

Kick Off Point (KOP)

UL B	Section 15	Township 23S	Range 28E	Lot	Feet 69	From N/S FNL	Feet 2,190	From E/W FEL	County EDDY
Latitude 32.312563					Longitude 104.073725			NAD NAD 83/86	

First Take Point (FTP)

UL B	Section 15	Township 23S	Range 28E	Lot	Feet 387	From N/S FNL	Feet 2,193	From E/W FEL	County EDDY
Latitude 32.311687					Longitude 104.073744			NAD NAD 83/86	

Last Take Point (LTP)

UL O	Section 22	Township 23S	Range 28E	Lot	Feet 341	From N/S FSL	Feet 2,174	From E/W FEL	County EDDY
Latitude 32.284550					Longitude 104.073710			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 1H_awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H 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	Gilbjosl
Scale	0.999917	Report Generated	12-Nov-19 at 1:24:30 PM
Convergence at slot	0.14° East	Database	WA_HOU_Midland_Defn

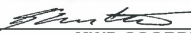
WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	581139.00	477045.00	32°18'40.463"N	104°04'14.518"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 1H)	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 1H_awp

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REFERENCE WELLPATH IDENTIFICATION

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Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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	341.230	0.00	0.00	0.00	0.00	581139.00	477045.00	32°18'40.463"N	104°04'14.518"W	0.00	0.00	0.00	
28.00	0.000	341.230	28.00	0.00	0.00	0.00	581139.00	477045.00	32°18'40.463"N	104°04'14.518"W	0.00	0.00	0.00	
241.00	0.620	341.230	241.00	-1.09	1.09	-0.37	581138.63	477046.09	32°18'40.474"N	104°04'14.523"W	0.29	0.29	-8.81	
333.00	0.660	342.800	332.99	-2.07	2.07	-0.69	581138.31	477047.07	32°18'40.484"N	104°04'14.526"W	0.05	0.04	1.71	
448.00	0.420	331.720	447.98	-3.07	3.07	-1.08	581137.92	477048.07	32°18'40.494"N	104°04'14.531"W	0.23	-0.21	-9.63	17-1/2" BH MWD NT Surveys 241'-448'
599.00	2.100	274.210	598.95	-3.77	3.76	-4.10	581134.90	477048.76	32°18'40.501"N	104°04'14.566"W	1.26	1.11	-38.09	
692.00	3.790	279.640	691.82	-4.42	4.40	-8.83	581130.17	477049.40	32°18'40.507"N	104°04'14.621"W	1.84	1.82	5.84	
784.00	5.090	283.870	783.54	-5.91	5.89	-15.79	581123.21	477050.89	32°18'40.522"N	104°04'14.702"W	1.46	1.41	4.60	
878.00	5.860	294.810	877.12	-8.94	8.90	-24.20	581114.80	477053.90	32°18'40.552"N	104°04'14.800"W	1.38	0.82	11.64	
970.00	6.150	304.360	968.61	-13.70	13.66	-32.53	581106.47	477058.65	32°18'40.599"N	104°04'14.897"W	1.13	0.32	10.38	
1066.00	6.920	305.720	1063.99	-19.99	19.93	-41.47	581097.53	477064.93	32°18'40.661"N	104°04'15.001"W	0.82	0.80	1.42	
1162.00	7.920	302.510	1159.18	-26.94	26.87	-51.74	581087.26	477071.86	32°18'40.730"N	104°04'15.120"W	1.13	1.04	-3.34	
1257.00	9.730	301.220	1253.06	-34.63	34.55	-64.13	581074.88	477079.54	32°18'40.807"N	104°04'15.264"W	1.92	1.91	-1.36	
1353.00	10.950	301.270	1347.49	-43.59	43.48	-78.86	581060.15	477088.48	32°18'40.895"N	104°04'15.436"W	1.27	1.27	0.05	
1449.00	11.390	301.530	1441.68	-53.31	53.17	-94.73	581044.27	477098.17	32°18'40.992"N	104°04'15.621"W	0.46	0.46	0.27	
1544.00	10.530	302.870	1534.94	-62.94	62.79	-110.02	581028.99	477107.78	32°18'41.087"N	104°04'15.798"W	0.94	-0.91	1.41	
1640.00	11.150	302.270	1629.23	-72.68	72.51	-125.24	581013.77	477117.50	32°18'41.184"N	104°04'15.975"W	0.66	0.65	-0.63	
1736.00	11.710	301.050	1723.32	-82.68	82.49	-141.43	580997.58	477127.48	32°18'41.283"N	104°04'16.164"W	0.64	0.58	-1.27	
1832.00	10.090	301.930	1817.59	-92.18	91.96	-156.92	580982.10	477136.95	32°18'41.377"N	104°04'16.344"W	1.70	-1.69	0.92	
1927.00	10.390	298.960	1911.08	-100.75	100.51	-171.47	580967.54	477145.50	32°18'41.462"N	104°04'16.513"W	0.64	0.32	-3.13	
2023.00	11.990	297.270	2005.25	-109.53	109.27	-187.91	580951.10	477154.26	32°18'41.549"N	104°04'16.705"W	1.70	1.67	-1.76	
2118.00	12.810	301.630	2098.03	-119.60	119.32	-205.65	580933.37	477164.31	32°18'41.649"N	104°04'16.911"W	1.31	0.86	4.59	
2214.00	12.090	303.800	2191.78	-130.80	130.49	-223.07	580915.95	477175.48	32°18'41.760"N	104°04'17.114"W	0.89	-0.75	2.26	
2310.00	11.140	305.210	2285.81	-141.76	141.43	-239.00	580900.02	477186.42	32°18'41.868"N	104°04'17.299"W	1.03	-0.99	1.47	
2406.00	11.460	303.590	2379.95	-152.41	152.05	-254.52	580884.50	477197.04	32°18'41.974"N	104°04'17.480"W	0.47	0.33	-1.69	
2501.00	12.030	300.110	2472.96	-162.62	162.24	-270.95	580868.08	477207.23	32°18'42.075"N	104°04'17.671"W	0.96	0.60	-3.66	
2597.00	11.550	300.650	2566.94	-172.56	172.16	-287.87	580851.15	477217.14	32°18'42.174"N	104°04'17.867"W	0.51	-0.50	0.56	
2692.00	11.050	301.220	2660.09	-182.15	181.73	-303.84	580835.19	477226.71	32°18'42.269"N	104°04'18.053"W	0.54	-0.53	0.60	
2788.00	11.150	300.650	2754.30	-191.67	191.23	-319.69	580819.34	477236.21	32°18'42.363"N	104°04'18.238"W	0.15	0.10	-0.59	
2883.00	11.200	300.850	2847.50	-201.11	200.64	-335.51	580803.51	477245.62	32°18'42.457"N	104°04'18.422"W	0.07	0.05	0.21	



Actual Wellpath Report

CB NE 15 22 002 1H_awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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
2978.00	10.900	300.950	2940.73	-210.48	209.99	-351.14	580787.89	477254.97	32°18'42.550"N	104°04'18.604"W	0.32	-0.32	0.11	
3074.00	11.710	300.910	3034.87	-220.18	219.66	-367.28	580771.75	477264.65	32°18'42.646"N	104°04'18.791"W	0.84	0.84	-0.04	
3265.00	11.540	300.860	3221.95	-239.98	239.42	-400.31	580738.72	477284.40	32°18'42.842"N	104°04'19.176"W	0.09	-0.09	-0.03	
3361.00	11.480	301.130	3316.02	-249.87	249.28	-416.73	580722.30	477294.26	32°18'42.940"N	104°04'19.367"W	0.08	-0.06	0.28	
3457.00	10.940	299.910	3410.19	-259.37	258.77	-432.81	580706.23	477303.74	32°18'43.034"N	104°04'19.554"W	0.61	-0.56	-1.27	
3552.00	10.590	300.250	3503.52	-268.28	267.66	-448.16	580690.88	477312.64	32°18'43.123"N	104°04'19.732"W	0.37	-0.37	0.36	
3648.00	11.160	298.050	3597.80	-277.12	276.47	-463.98	580675.06	477321.45	32°18'43.210"N	104°04'19.916"W	0.73	0.59	-2.29	
3743.00	11.450	297.020	3690.95	-285.75	285.08	-480.49	580658.55	477330.05	32°18'43.296"N	104°04'20.109"W	0.37	0.31	-1.08	
3839.00	11.480	297.480	3785.04	-294.51	293.82	-497.46	580641.58	477338.79	32°18'43.383"N	104°04'20.306"W	0.10	0.03	0.48	
3934.00	11.180	297.440	3878.18	-303.14	302.42	-514.02	580625.03	477347.40	32°18'43.468"N	104°04'20.499"W	0.32	-0.32	-0.04	
4030.00	11.080	297.410	3972.38	-311.70	310.96	-530.47	580608.58	477355.93	32°18'43.553"N	104°04'20.690"W	0.10	-0.10	-0.03	
4126.00	10.650	297.100	4066.66	-320.01	319.25	-546.55	580592.49	477364.22	32°18'43.635"N	104°04'20.877"W	0.45	-0.45	-0.32	
4222.00	11.000	296.510	4160.95	-328.16	327.37	-562.65	580576.40	477372.35	32°18'43.716"N	104°04'21.065"W	0.38	0.36	-0.61	
4317.00	11.710	299.420	4254.09	-336.96	336.16	-579.15	580559.90	477381.13	32°18'43.804"N	104°04'21.257"W	0.96	0.75	3.06	
4413.00	12.040	301.150	4348.04	-346.95	346.12	-596.21	580542.84	477391.09	32°18'43.903"N	104°04'21.455"W	0.51	0.34	1.80	
4509.00	11.940	301.410	4441.94	-357.33	356.48	-613.25	580525.80	477401.44	32°18'44.005"N	104°04'21.653"W	0.12	-0.10	0.27	
4604.00	11.870	300.890	4534.90	-367.49	366.61	-630.02	580509.03	477411.58	32°18'44.106"N	104°04'21.849"W	0.13	-0.07	-0.55	
4700.00	11.190	303.780	4628.96	-377.76	376.86	-646.24	580492.82	477421.83	32°18'44.208"N	104°04'22.037"W	0.93	-0.71	3.01	
4796.00	10.250	303.840	4723.28	-387.72	386.80	-661.08	580477.98	477431.76	32°18'44.307"N	104°04'22.210"W	0.98	-0.98	0.06	
4891.00	9.480	303.390	4816.88	-396.75	395.81	-674.63	580464.43	477440.78	32°18'44.396"N	104°04'22.368"W	0.81	-0.81	-0.47	
4987.00	8.870	303.460	4911.65	-405.20	404.24	-687.41	580451.65	477449.21	32°18'44.480"N	104°04'22.516"W	0.64	-0.64	0.07	
5082.00	7.730	304.230	5005.65	-412.85	411.87	-698.80	580440.26	477456.84	32°18'44.556"N	104°04'22.649"W	1.21	-1.20	0.81	
5178.00	7.400	304.360	5100.82	-419.98	418.99	-709.24	580429.82	477463.96	32°18'44.626"N	104°04'22.770"W	0.34	-0.34	0.14	
5274.00	6.500	303.740	5196.11	-426.50	425.50	-718.86	580420.20	477470.47	32°18'44.691"N	104°04'22.882"W	0.94	-0.94	-0.65	
5369.00	6.600	301.790	5290.49	-432.38	431.36	-727.97	580411.09	477476.33	32°18'44.749"N	104°04'22.988"W	0.26	0.11	-2.05	
5465.00	5.570	302.150	5385.95	-437.78	436.75	-736.61	580402.45	477481.71	32°18'44.803"N	104°04'23.089"W	1.07	-1.07	0.37	
5561.00	4.680	302.070	5481.57	-442.35	441.31	-743.87	580395.19	477486.27	32°18'44.848"N	104°04'23.173"W	0.93	-0.93	-0.08	
5656.00	4.040	301.770	5576.29	-446.18	445.13	-750.00	580389.06	477490.09	32°18'44.886"N	104°04'23.244"W	0.67	-0.67	-0.32	
5752.00	3.720	303.940	5672.07	-449.70	448.65	-755.46	580383.60	477493.61	32°18'44.921"N	104°04'23.308"W	0.37	-0.33	2.26	
5848.00	3.680	300.990	5767.87	-453.03	451.97	-760.68	580378.38	477496.93	32°18'44.954"N	104°04'23.369"W	0.20	-0.04	-3.07	



Actual Wellpath Report

CB NE 15 22 002 1H_awp

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WELLPATH DATA (208 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
5943.00	3.450	295.820	5862.69	-455.86	454.79	-765.87	580373.19	477499.75	32°18'44.982"N	104°04'23.429"W	0.42	-0.24	-5.44	
6039.00	2.830	301.890	5958.54	-458.37	457.30	-770.48	580368.58	477502.26	32°18'45.007"N	104°04'23.483"W	0.73	-0.65	6.32	
6134.00	2.120	307.980	6053.45	-460.70	459.62	-773.86	580365.21	477504.58	32°18'45.030"N	104°04'23.522"W	0.80	-0.75	6.41	
6230.00	1.420	321.220	6149.41	-462.72	461.64	-776.00	580363.06	477506.60	32°18'45.050"N	104°04'23.547"W	0.84	-0.73	13.79	
6326.00	0.940	321.490	6245.39	-464.27	463.18	-777.24	580361.83	477508.14	32°18'45.065"N	104°04'23.561"W	0.50	-0.50	0.28	
6421.00	0.240	327.300	6340.38	-465.04	463.96	-777.83	580361.23	477508.92	32°18'45.073"N	104°04'23.568"W	0.74	-0.74	6.12	
6517.00	0.510	78.440	6436.38	-465.30	464.21	-777.52	580361.54	477509.17	32°18'45.076"N	104°04'23.564"W	0.66	0.28	115.77	
6613.00	0.900	54.900	6532.37	-465.82	464.73	-776.49	580362.58	477509.69	32°18'45.081"N	104°04'23.552"W	0.50	0.41	-24.52	
6708.00	0.920	91.620	6627.36	-466.22	465.14	-775.11	580363.95	477510.10	32°18'45.085"N	104°04'23.536"W	0.60	0.02	38.65	
6804.00	1.270	95.450	6723.34	-466.10	465.02	-773.28	580365.78	477509.98	32°18'45.083"N	104°04'23.515"W	0.37	0.36	3.99	
6900.00	1.230	112.490	6819.32	-465.60	464.52	-771.27	580367.79	477509.48	32°18'45.078"N	104°04'23.492"W	0.39	-0.04	17.75	
6996.00	1.390	132.070	6915.30	-464.42	463.35	-769.46	580369.61	477508.31	32°18'45.067"N	104°04'23.471"W	0.49	0.17	20.40	
7091.00	2.200	160.610	7010.25	-461.93	460.86	-768.00	580371.07	477505.82	32°18'45.042"N	104°04'23.454"W	1.25	0.85	30.04	
7187.00	1.610	177.250	7106.20	-458.84	457.77	-767.32	580371.75	477502.73	32°18'45.012"N	104°04'23.446"W	0.84	-0.61	17.33	
7283.00	1.550	185.530	7202.16	-456.20	455.13	-767.38	580371.68	477500.09	32°18'44.985"N	104°04'23.447"W	0.25	-0.06	8.63	
7378.00	1.600	188.210	7297.13	-453.61	452.54	-767.69	580371.37	477497.50	32°18'44.960"N	104°04'23.450"W	0.09	0.05	2.82	
7474.00	1.600	178.420	7393.09	-450.94	449.87	-767.85	580371.22	477494.83	32°18'44.933"N	104°04'23.452"W	0.28	0.00	-10.20	
7570.00	1.400	182.530	7489.06	-448.43	447.36	-767.86	580371.20	477492.32	32°18'44.909"N	104°04'23.452"W	0.24	-0.21	4.28	
7666.00	0.830	183.970	7585.04	-446.57	445.50	-767.96	580371.10	477490.46	32°18'44.890"N	104°04'23.454"W	0.59	-0.59	1.50	
7761.00	0.640	176.660	7680.03	-445.35	444.28	-767.98	580371.09	477489.24	32°18'44.878"N	104°04'23.454"W	0.22	-0.20	-7.69	
7857.00	1.210	192.820	7776.02	-443.83	442.76	-768.17	580370.89	477487.72	32°18'44.863"N	104°04'23.456"W	0.65	0.59	16.83	
7953.00	0.830	211.780	7872.00	-442.25	441.18	-768.76	580370.30	477486.14	32°18'44.847"N	104°04'23.463"W	0.52	-0.40	19.75	
8048.00	1.120	221.190	7966.99	-440.97	439.89	-769.74	580369.33	477484.86	32°18'44.835"N	104°04'23.474"W	0.35	0.31	9.91	
8144.00	0.660	225.400	8062.98	-439.88	438.80	-770.75	580368.32	477483.76	32°18'44.824"N	104°04'23.486"W	0.48	-0.48	4.39	
8239.00	0.460	206.000	8157.97	-439.15	438.07	-771.31	580367.76	477483.04	32°18'44.817"N	104°04'23.493"W	0.29	-0.21	-20.42	
8335.00	0.730	228.540	8253.97	-438.40	437.32	-771.93	580367.13	477482.28	32°18'44.809"N	104°04'23.500"W	0.37	0.28	23.48	
8431.00	0.680	228.230	8349.96	-437.62	436.54	-772.82	580366.25	477481.50	32°18'44.802"N	104°04'23.510"W	0.05	-0.05	-0.32	
8527.00	1.110	227.660	8445.95	-436.61	435.53	-773.93	580365.14	477480.49	32°18'44.792"N	104°04'23.523"W	0.45	0.45	-0.59	
8623.00	0.880	300.370	8541.94	-436.36	435.28	-775.25	580363.81	477480.24	32°18'44.789"N	104°04'23.539"W	1.24	-0.24	75.74	
8719.00	1.170	290.090	8637.92	-437.07	435.99	-776.81	580362.26	477480.95	32°18'44.796"N	104°04'23.557"W	0.36	0.30	-10.71	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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
8815.00	1.180	277.720	8733.90	-437.54	436.46	-778.71	580360.36	477481.42	32°18'44.801"N	104°04'23.579"W	0.26	0.01	-12.89	
8910.00	1.000	270.940	8828.88	-437.69	436.60	-780.51	580358.56	477481.56	32°18'44.802"N	104°04'23.600"W	0.23	-0.19	-7.14	
8965.00	0.830	257.670	8883.88	-437.61	436.52	-781.38	580357.69	477481.49	32°18'44.802"N	104°04'23.610"W	0.49	-0.31	-24.13	12-1/4" BH MWD NT Surveys 599'-8965'
9052.00	0.660	242.290	8970.87	-437.25	436.16	-782.44	580356.63	477481.12	32°18'44.798"N	104°04'23.623"W	0.30	-0.20	-17.68	
9084.00	0.610	181.380	9002.87	-436.99	435.90	-782.60	580356.46	477480.86	32°18'44.795"N	104°04'23.624"W	2.02	-0.16	-190.34	
9179.00	7.990	190.110	9097.53	-429.98	428.89	-783.78	580355.29	477473.85	32°18'44.726"N	104°04'23.638"W	7.78	7.77	9.19	
9275.00	18.370	190.110	9190.88	-408.47	407.37	-787.61	580351.45	477452.33	32°18'44.513"N	104°04'23.684"W	10.81	10.81	0.00	
9370.00	29.160	179.490	9277.73	-370.46	369.36	-790.04	580349.02	477414.32	32°18'44.137"N	104°04'23.713"W	12.18	11.36	-11.18	
9466.00	39.370	179.980	9356.97	-316.48	315.38	-789.82	580349.24	477360.35	32°18'43.603"N	104°04'23.712"W	10.64	10.64	0.51	
9561.00	48.410	180.190	9425.36	-250.69	249.59	-789.93	580349.14	477294.56	32°18'42.952"N	104°04'23.715"W	9.52	9.52	0.22	
9656.00	57.200	178.660	9482.73	-175.09	173.99	-789.11	580349.95	477218.98	32°18'42.204"N	104°04'23.708"W	9.34	9.25	-1.61	
9752.00	65.320	178.280	9528.86	-91.02	89.92	-786.86	580352.21	477134.91	32°18'41.372"N	104°04'23.684"W	8.47	8.46	-0.40	
9846.00	71.550	178.460	9563.39	-3.67	2.58	-784.37	580354.69	477047.58	32°18'40.508"N	104°04'23.657"W	6.63	6.63	0.19	
9943.00	82.030	178.570	9585.53	90.60	-91.69	-781.93	580357.13	476953.32	32°18'39.575"N	104°04'23.632"W	10.80	10.80	0.11	
10039.00	87.380	177.550	9594.38	186.10	-187.19	-778.69	580360.37	476857.82	32°18'38.630"N	104°04'23.597"W	5.67	5.57	-1.06	
10134.00	89.660	176.960	9596.84	280.96	-282.04	-774.15	580364.92	476762.98	32°18'37.691"N	104°04'23.546"W	2.48	2.40	-0.62	
10230.00	90.990	176.220	9596.29	376.80	-377.87	-768.44	580370.63	476667.16	32°18'36.743"N	104°04'23.482"W	1.59	1.39	-0.77	
10326.00	88.610	177.410	9596.63	472.65	-473.71	-763.10	580375.96	476571.33	32°18'35.794"N	104°04'23.423"W	2.77	-2.48	1.24	
10423.00	91.110	178.830	9596.86	569.59	-570.65	-759.92	580379.14	476474.40	32°18'34.835"N	104°04'23.389"W	2.96	2.58	1.46	
10518.00	90.890	178.220	9595.20	664.55	-665.60	-757.48	580381.59	476379.45	32°18'33.895"N	104°04'23.363"W	0.68	-0.23	-0.64	
10614.00	90.830	177.510	9593.76	760.47	-761.53	-753.90	580385.16	476283.54	32°18'32.946"N	104°04'23.324"W	0.74	-0.06	-0.74	
10710.00	90.800	179.680	9592.40	856.43	-857.48	-751.55	580387.52	476187.59	32°18'31.996"N	104°04'23.299"W	2.26	-0.03	2.26	
10805.00	90.800	180.130	9591.07	951.42	-952.47	-751.39	580387.67	476092.61	32°18'31.056"N	104°04'23.300"W	0.47	0.00	0.47	
10901.00	90.830	179.070	9589.71	1047.41	-1048.46	-750.72	580388.34	475996.63	32°18'30.107"N	104°04'23.295"W	1.10	0.03	-1.10	
10997.00	90.990	180.890	9588.18	1143.39	-1144.44	-750.69	580388.38	475900.66	32°18'29.157"N	104°04'23.297"W	1.90	0.17	1.90	
11092.00	90.120	182.910	9587.26	1238.33	-1239.38	-753.84	580385.23	475805.73	32°18'28.217"N	104°04'23.337"W	2.32	-0.92	2.13	
11188.00	90.150	185.300	9587.03	1334.06	-1335.13	-760.71	580378.36	475709.99	32°18'27.270"N	104°04'23.419"W	2.49	0.03	2.49	
11284.00	90.180	183.880	9586.76	1429.74	-1430.81	-768.39	580370.68	475614.31	32°18'26.323"N	104°04'23.512"W	1.48	0.03	-1.48	
11379.00	90.090	181.390	9586.53	1524.63	-1525.71	-772.76	580366.31	475519.42	32°18'25.385"N	104°04'23.565"W	2.62	-0.09	-2.62	
11475.00	90.710	178.060	9585.86	1620.61	-1621.69	-772.30	580366.77	475423.45	32°18'24.435"N	104°04'23.563"W	3.53	0.65	-3.47	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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
11571.00	90.520	180.060	9584.83	1716.59	-1717.67	-770.72	580368.35	475327.48	32°18'23.485"N	104°04'23.547"W	2.09	-0.20	2.08	
11666.00	90.370	181.160	9584.10	1811.58	-1812.66	-771.73	580367.33	475232.50	32°18'22.545"N	104°04'23.561"W	1.17	-0.16	1.16	
11761.00	89.570	180.700	9584.15	1906.56	-1907.64	-773.27	580365.79	475137.52	32°18'21.605"N	104°04'23.582"W	0.97	-0.84	-0.48	
11857.00	89.850	179.280	9584.63	2002.56	-2003.64	-773.26	580365.81	475041.53	32°18'20.655"N	104°04'23.585"W	1.51	0.29	-1.48	
11952.00	89.750	179.860	9584.96	2097.55	-2098.64	-772.54	580366.52	474946.54	32°18'19.715"N	104°04'23.579"W	0.62	-0.11	0.61	
12048.00	89.600	179.030	9585.51	2193.55	-2194.63	-771.61	580367.45	474850.56	32°18'18.765"N	104°04'23.571"W	0.88	-0.16	-0.86	
12143.00	89.690	179.040	9586.10	2288.54	-2289.61	-770.01	580369.05	474755.58	32°18'17.825"N	104°04'23.555"W	0.10	0.09	0.01	
12239.00	89.720	179.100	9586.59	2384.52	-2385.60	-768.46	580370.61	474659.60	32°18'16.876"N	104°04'23.539"W	0.07	0.03	0.06	
12334.00	89.660	179.030	9587.10	2479.51	-2480.59	-766.91	580372.16	474564.63	32°18'15.936"N	104°04'23.524"W	0.10	-0.06	-0.07	
12430.00	89.660	179.250	9587.67	2575.50	-2576.57	-765.47	580373.60	474468.65	32°18'14.986"N	104°04'23.510"W	0.23	0.00	0.23	
12525.00	89.600	178.720	9588.29	2670.49	-2671.56	-763.78	580375.28	474373.67	32°18'14.046"N	104°04'23.493"W	0.56	-0.06	-0.56	
12621.00	89.600	178.900	9588.96	2766.47	-2767.53	-761.79	580377.28	474277.70	32°18'13.096"N	104°04'23.473"W	0.19	0.00	0.19	
12717.00	89.630	178.850	9589.60	2862.45	-2863.51	-759.90	580379.16	474181.73	32°18'12.146"N	104°04'23.453"W	0.06	0.03	-0.05	
12812.00	89.690	179.820	9590.17	2957.44	-2958.50	-758.80	580380.26	474086.75	32°18'11.206"N	104°04'23.443"W	1.02	0.06	1.02	
12908.00	89.660	179.980	9590.71	3053.44	-3054.50	-758.63	580380.43	473990.76	32°18'10.256"N	104°04'23.444"W	0.17	-0.03	0.17	
13004.00	89.690	180.020	9591.26	3149.44	-3150.50	-758.63	580380.43	473894.77	32°18'09.306"N	104°04'23.447"W	0.05	0.03	0.04	
13099.00	89.780	180.230	9591.70	3244.44	-3245.50	-758.84	580380.22	473799.78	32°18'08.366"N	104°04'23.452"W	0.24	0.09	0.22	
13195.00	89.600	180.040	9592.21	3340.43	-3341.50	-759.07	580380.00	473703.79	32°18'07.416"N	104°04'23.457"W	0.27	-0.19	-0.20	
13290.00	90.030	179.880	9592.52	3435.43	-3436.50	-759.00	580380.06	473608.80	32°18'06.476"N	104°04'23.459"W	0.48	0.45	-0.17	
13386.00	90.000	179.890	9592.50	3531.43	-3532.50	-758.81	580380.26	473512.81	32°18'05.526"N	104°04'23.459"W	0.03	-0.03	0.01	
13482.00	90.150	180.300	9592.37	3627.43	-3628.49	-758.97	580380.10	473416.82	32°18'04.576"N	104°04'23.464"W	0.45	0.16	0.43	
13577.00	89.910	179.940	9592.32	3722.43	-3723.49	-759.17	580379.90	473321.82	32°18'03.636"N	104°04'23.469"W	0.46	-0.25	-0.38	
13673.00	90.620	179.720	9591.88	3818.43	-3819.49	-758.88	580380.18	473225.83	32°18'02.686"N	104°04'23.468"W	0.77	0.74	-0.23	
13768.00	90.150	179.800	9591.24	3913.43	-3914.49	-758.48	580380.58	473130.85	32°18'01.746"N	104°04'23.466"W	0.50	-0.49	0.08	
13864.00	90.250	179.710	9590.90	4009.42	-4010.49	-758.07	580380.99	473034.86	32°18'00.797"N	104°04'23.464"W	0.14	0.10	-0.09	
13959.00	90.430	179.830	9590.34	4104.42	-4105.48	-757.69	580381.37	472939.87	32°17'59.856"N	104°04'23.463"W	0.23	0.19	0.13	
14055.00	90.150	179.890	9589.85	4200.42	-4201.48	-757.46	580381.61	472843.88	32°17'58.907"N	104°04'23.463"W	0.30	-0.29	0.06	
14150.00	89.630	179.860	9590.04	4295.42	-4296.48	-757.25	580381.81	472748.88	32°17'57.966"N	104°04'23.463"W	0.55	-0.55	-0.03	
14246.00	89.170	179.830	9591.04	4391.42	-4392.48	-756.99	580382.07	472652.90	32°17'57.017"N	104°04'23.463"W	0.48	-0.48	-0.03	
14342.00	89.510	181.630	9592.15	4487.40	-4488.46	-758.21	580380.85	472556.92	32°17'56.067"N	104°04'23.480"W	1.91	0.35	1.87	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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
14437.00	90.400	183.610	9592.22	4582.28	-4583.35	-762.56	580376.51	472462.04	32°17'55.128"N	104°04'23.533"W	2.29	0.94	2.08	
14533.00	89.540	184.020	9592.27	4678.06	-4679.14	-768.94	580370.12	472366.26	32°17'54.180"N	104°04'23.610"W	0.99	-0.90	0.43	
14628.00	88.640	183.770	9593.78	4772.82	-4773.91	-775.40	580363.67	472271.50	32°17'53.243"N	104°04'23.688"W	0.98	-0.95	-0.26	
14724.00	88.920	183.910	9595.82	4868.57	-4869.67	-781.82	580357.24	472175.75	32°17'52.295"N	104°04'23.765"W	0.33	0.29	0.15	
14820.00	88.800	185.690	9597.74	4964.20	-4965.31	-789.85	580349.21	472080.11	32°17'51.349"N	104°04'23.862"W	1.86	-0.12	1.85	
14915.00	89.260	186.010	9599.34	5058.68	-5059.80	-799.54	580339.53	471985.63	32°17'50.414"N	104°04'23.977"W	0.59	0.48	0.34	
15011.00	88.920	185.980	9600.87	5154.13	-5155.26	-809.56	580329.51	471890.18	32°17'49.470"N	104°04'24.097"W	0.36	-0.35	-0.03	
15106.00	88.890	186.050	9602.68	5248.57	-5249.72	-819.51	580319.56	471795.72	32°17'48.535"N	104°04'24.215"W	0.08	-0.03	0.07	
15202.00	90.740	185.810	9602.99	5344.04	-5345.21	-829.43	580309.64	471700.25	32°17'47.591"N	104°04'24.333"W	1.94	1.93	-0.25	
15298.00	90.000	185.910	9602.37	5439.52	-5440.70	-839.23	580299.84	471604.76	32°17'46.646"N	104°04'24.450"W	0.78	-0.77	0.10	
15394.00	90.000	185.690	9602.37	5535.02	-5536.21	-848.93	580290.14	471509.26	32°17'45.701"N	104°04'24.566"W	0.23	0.00	-0.23	
15489.00	90.150	185.950	9602.25	5629.52	-5630.72	-858.57	580280.51	471414.76	32°17'44.766"N	104°04'24.681"W	0.32	0.16	0.27	
15585.00	89.880	185.910	9602.22	5724.99	-5726.21	-868.49	580270.59	471319.28	32°17'43.822"N	104°04'24.799"W	0.28	-0.28	-0.04	
15681.00	90.310	184.030	9602.06	5820.61	-5821.84	-876.80	580262.27	471223.66	32°17'42.875"N	104°04'24.899"W	2.01	0.45	-1.96	
15776.00	89.780	185.960	9601.99	5915.23	-5916.47	-885.07	580254.00	471129.03	32°17'41.939"N	104°04'24.998"W	2.11	-0.56	2.03	
15872.00	89.970	186.870	9602.20	6010.62	-6011.87	-895.80	580243.28	471033.64	32°17'40.995"N	104°04'25.125"W	0.97	0.20	0.95	
15968.00	90.800	185.900	9601.55	6106.00	-6107.27	-906.47	580232.60	470938.25	32°17'40.052"N	104°04'25.252"W	1.33	0.86	-1.01	
16064.00	91.390	184.010	9599.72	6201.61	-6202.89	-914.76	580224.31	470842.64	32°17'39.106"N	104°04'25.352"W	2.06	0.61	-1.97	
16159.00	90.150	180.630	9598.44	6296.50	-6297.79	-918.61	580220.47	470747.75	32°17'38.167"N	104°04'25.399"W	3.79	-1.31	-3.56	
16255.00	89.850	177.070	9598.44	6392.47	-6393.75	-916.68	580222.40	470651.79	32°17'37.217"N	104°04'25.379"W	3.72	-0.31	-3.71	
16351.00	89.420	175.900	9599.05	6488.29	-6489.57	-910.80	580228.28	470555.98	32°17'36.269"N	104°04'25.314"W	1.30	-0.45	-1.22	
16446.00	89.750	175.530	9599.74	6583.03	-6584.30	-903.70	580235.38	470461.26	32°17'35.331"N	104°04'25.234"W	0.52	0.35	-0.39	
16542.00	89.970	173.910	9599.98	6678.64	-6679.89	-894.86	580244.21	470365.68	32°17'34.385"N	104°04'25.133"W	1.70	0.23	-1.69	
16638.00	90.060	173.750	9599.95	6774.09	-6775.34	-884.55	580254.53	470270.24	32°17'33.440"N	104°04'25.016"W	0.19	0.09	-0.17	
16733.00	90.400	173.470	9599.57	6868.52	-6869.74	-873.97	580265.10	470175.84	32°17'32.506"N	104°04'24.895"W	0.46	0.36	-0.29	
16829.00	90.370	173.700	9598.93	6963.93	-6965.14	-863.25	580275.83	470080.45	32°17'31.562"N	104°04'24.773"W	0.24	-0.03	0.24	
16924.00	90.090	175.530	9598.54	7058.52	-7059.72	-854.33	580284.74	469985.89	32°17'30.626"N	104°04'24.672"W	1.95	-0.29	1.93	
17020.00	89.940	175.700	9598.52	7154.25	-7155.44	-846.99	580292.08	469890.18	32°17'29.678"N	104°04'24.589"W	0.24	-0.16	0.18	
17115.00	90.180	175.920	9598.42	7249.00	-7250.18	-840.05	580299.02	469795.44	32°17'28.741"N	104°04'24.511"W	0.34	0.25	0.23	
17211.00	89.940	175.640	9598.32	7344.75	-7345.92	-832.99	580306.08	469699.71	32°17'27.793"N	104°04'24.431"W	0.38	-0.25	-0.29	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (208 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
17306.00	89.750	175.750	9598.58	7439.49	-7440.65	-825.86	580313.21	469604.98	32°17'26.856"N	104°04'24.351"W	0.23	-0.20	0.12	
17402.00	90.090	175.870	9598.71	7535.24	-7536.40	-818.84	580320.23	469509.25	32°17'25.908"N	104°04'24.272"W	0.38	0.35	0.13	
17497.00	89.850	176.040	9598.76	7630.02	-7631.16	-812.14	580326.93	469414.49	32°17'24.970"N	104°04'24.197"W	0.31	-0.25	0.18	
17593.00	90.340	175.430	9598.60	7725.76	-7726.89	-805.00	580334.07	469318.77	32°17'24.023"N	104°04'24.116"W	0.82	0.51	-0.64	
17688.00	90.150	175.770	9598.19	7820.49	-7821.61	-797.71	580341.35	469224.06	32°17'23.085"N	104°04'24.034"W	0.41	-0.20	0.36	
17784.00	89.880	175.780	9598.17	7916.24	-7917.35	-790.64	580348.43	469128.33	32°17'22.138"N	104°04'23.954"W	0.28	-0.28	0.01	
17879.00	92.130	175.540	9596.50	8010.96	-8012.06	-783.45	580355.61	469033.63	32°17'21.200"N	104°04'23.873"W	2.38	2.37	-0.25	
17975.00	90.120	175.550	9594.62	8106.65	-8107.74	-776.00	580363.07	468937.95	32°17'20.253"N	104°04'23.789"W	2.09	-2.09	0.01	
18071.00	90.550	175.890	9594.06	8202.39	-8203.47	-768.83	580370.23	468842.23	32°17'19.306"N	104°04'23.708"W	0.57	0.45	0.35	
18166.00	90.460	177.420	9593.22	8297.23	-8298.31	-763.29	580375.77	468747.40	32°17'18.367"N	104°04'23.646"W	1.61	-0.09	1.61	
18262.00	90.400	177.770	9592.50	8393.15	-8394.22	-759.26	580379.80	468651.50	32°17'17.418"N	104°04'23.602"W	0.37	-0.06	0.36	
18357.00	90.400	179.720	9591.84	8488.12	-8489.19	-757.18	580381.88	468556.54	32°17'16.478"N	104°04'23.581"W	2.05	0.00	2.05	
18453.00	90.490	179.820	9591.09	8584.12	-8585.18	-756.80	580382.27	468460.55	32°17'15.528"N	104°04'23.579"W	0.14	0.09	0.10	
18548.00	90.430	179.880	9590.33	8679.12	-8680.18	-756.55	580382.52	468365.56	32°17'14.588"N	104°04'23.579"W	0.09	-0.06	0.06	
18644.00	90.580	179.830	9589.48	8775.11	-8776.18	-756.31	580382.76	468269.57	32°17'13.638"N	104°04'23.578"W	0.16	0.16	-0.05	
18739.00	88.800	179.880	9590.00	8870.11	-8871.17	-756.07	580383.00	468174.59	32°17'12.698"N	104°04'23.578"W	1.87	-1.87	0.05	
18834.00	89.910	179.620	9591.06	8965.10	-8966.16	-755.65	580383.41	468079.60	32°17'11.758"N	104°04'23.576"W	1.20	1.17	-0.27	
18930.00	90.180	179.690	9590.99	9061.10	-9062.16	-755.07	580383.99	467983.61	32°17'10.808"N	104°04'23.572"W	0.29	0.28	0.07	
19025.00	90.060	179.850	9590.79	9156.10	-9157.16	-754.69	580384.37	467888.62	32°17'09.868"N	104°04'23.570"W	0.21	-0.13	0.17	
19121.00	90.250	180.090	9590.53	9252.10	-9253.16	-754.64	580384.42	467792.63	32°17'08.918"N	104°04'23.573"W	0.32	0.20	0.25	
19216.00	90.060	179.700	9590.27	9347.10	-9348.16	-754.47	580384.60	467697.64	32°17'07.978"N	104°04'23.573"W	0.46	-0.20	-0.41	
19311.00	90.090	180.160	9590.15	9442.10	-9443.16	-754.35	580384.71	467602.65	32°17'07.038"N	104°04'23.575"W	0.49	0.03	0.48	
19407.00	90.180	180.160	9589.92	9538.10	-9539.16	-754.62	580384.45	467506.66	32°17'06.088"N	104°04'23.580"W	0.09	0.09	0.00	
19502.00	90.220	179.880	9589.59	9633.09	-9634.16	-754.65	580384.41	467411.67	32°17'05.148"N	104°04'23.583"W	0.30	0.04	-0.29	
19598.00	89.880	179.820	9589.51	9729.09	-9730.16	-754.40	580384.66	467315.67	32°17'04.198"N	104°04'23.583"W	0.36	-0.35	-0.06	
19693.00	90.030	180.000	9589.58	9824.09	-9825.16	-754.25	580384.81	467220.68	32°17'03.258"N	104°04'23.584"W	0.25	0.16	0.19	
19780.00	90.520	180.180	9589.16	9911.09	-9912.16	-754.39	580384.68	467133.69	32°17'02.397"N	104°04'23.588"W	0.60	0.56	0.21	8 1/2 BH MWD 9052-19780
19805.00	90.520	180.180	9588.94	9936.09	-9937.15	-754.47	580384.60	467108.69	32°17'02.150"N	104°04'23.590"W	0.00	0.00	0.00	Projection to bit 19805



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H 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 FTP	9594.00	175.01	-773.07	580366.00	477220.00	32°18'42.214"N	104°04'23.521"W	point
CB NE 15 22 002 LTP	9594.00	-9766.83	-757.06	580382.00	467279.00	32°17'03.836"N	104°04'23.615"W	point
CB NE 15 22 002 MP	9594.00	-4813.41	-770.07	580369.00	472232.00	32°17'52.852"N	104°04'23.627"W	point
CB NE 15 22 002 PBHL	9594.00	-9996.85	-757.06	580382.00	467049.00	32°17'01.559"N	104°04'23.622"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: CB NE 15 22 002 1H AWB Ref Wellpath: CB NE 15 22 002 1H_awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	448.00	OWSG MWD rev2 + HRGM	17-1/2" BH MWD NT Surveys 241'-448'	CB NE 15 22 002 1H AWB
448.00	8965.00	OWSG MWD rev2 + HRGM	12-1/4" BH MWD NT Surveys 599'-8965'	CB NE 15 22 002 1H AWB
8965.00	19780.00	BHI AutoTrak Curve (Axial)	8 1/2 BH MWD 9052-19780	CB NE 15 22 002 1H AWB
19780.00	19805.00	Blind Drilling (std)	Projection to bit	CB NE 15 22 002 1H AWB



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 1H
Area	Eddy County, NM	Well	CB NE 15 22 002 1H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 1H AWB
Facility	CB NE 15 22 002		

COMMENTS

Wellpath general comments

Well: CB NE 15 22 002 No. 1H
Field: Purple Sage, Wolfcamp
Rig: Patterson 257
Location: Eddy Co., NM
API: 30-015-45709-00
Latitude: 32° 18' 40.463" N
Longitude: 104° 04' 14.518" W
DF Elevation: 3020.00 ft
Elev. GL: 2992.00 ft
DF: 28.00 ft
Proposed Direction: 179.92°
PBHL: 19805.00 feet
Duration: 08/11/2019-10/25/2019
FSE's: Remote Ops
SO#: 109951514
17-1/2" BH MWD NT Surveys 241'-448'
12-1/4" BH MWD NT Surveys 599'-8965'
8 1/2 BH MWD 9052-19780
Projection to bit 19805