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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 30-015-45710	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 2H
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.		519'	NORTH	1355'	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.		169'	SOUTH	1250'	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill Defining Well	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= 581,486' Y= 477,498' LAT. 32.312483° N LONG. 104.069573° W X= 622,668' Y= 477,558' LAT. 32.312604° N LONG. 104.070069° W FINAL FIRST TAKE POINT X= 581,466' Y= 477,162' LAT. 32.311558° N LONG. 104.069640° W X= 622,649' Y= 477,221' LAT. 32.311679° N LONG. 104.070135° W MID POINT X= 581,281' Y= 472,247' LAT. 32.298048° N LONG. 104.070279° W X= 622,464' Y= 472,306' LAT. 32.298169° N LONG. 104.070774° W FINAL LAST TAKE POINT X= 581,309' Y= 467,319' LAT. 32.284501° N LONG. 104.070227° W X= 622,492' Y= 467,378' LAT. 32.284622° N LONG. 104.070721° W	CB NE 15 22 002 NO. 2H WELL X= 581,189 NAD 27 Y= 477,045 LAT. 32.311238 LONG. 104.070538 X= 622,372 NAD83 Y= 477,104 LAT. 32.311359 LONG. 104.071033 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= 581,310' Y= 467,146' LAT. 32.284026° N LONG. 104.070225° W X= 622,493' Y= 467,205' LAT. 32.284147° N LONG. 104.070720° W	Kick Off Point @ 9,046' MD 69.96' FNL, 1,058.26' FEL Final First Take Point @ 9,716' MD 406.17' FNL, 1,078.03' FEL Mid Point @ 14,652.77' MD Final Last Take Point @ 19,581' MD 342.25' FSL, 1,250.71' 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. Signature: <i>[Signature]</i> Date: 7/2/2020 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: <i>[Signature]</i> Certificate Number: 04/14/20
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JAG

Intent ☐ As Drilled ☒

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

Kick Off Point (KOP)

UL A	Section 15	Township 23S	Range 28E	Lot	Feet 70	From N/S FNL	Feet 1,058	From E/W FEL	County EDDY
Latitude 32.312604					Longitude 104.070069			NAD NAD 83/86	

First Take Point (FTP)

UL A	Section 15	Township 23S	Range 28E	Lot	Feet 406	From N/S FNL	Feet 1,078	From E/W FEL	County EDDY
Latitude 32.311679					Longitude 104.070135			NAD NAD 83/86	

Last Take Point (LTP)

UL P	Section 22	Township 23S	Range 28E	Lot	Feet 342	From N/S FSL	Feet 1,251	From E/W FEL	County EDDY
Latitude 32.284622					Longitude 104.070721			NAD NAD 86/86	

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

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 #			
Operator Name:		Property Name:	Well Number



Actual Wellpath Report

CB NE 15 22 002 No. 2H_awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H 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	Gilbjost
Scale	0.999917	Report Generated	12-Nov-19 at 1:54:12 PM
Convergence at slot	0.14° East	Database	WA_HOU_Midland_Defn

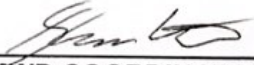
WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	50.00	581189.00	477045.00	32°18'40.462"N	104°04'13.936"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 No. 2H)	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 No. 2H_awp

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Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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	299.080	0.00	0.00	0.00	0.00	581189.00	477045.00	32°18'40.462"N	104°04'13.936"W	0.00	0.00	0.00	
28.00	0.000	299.080	28.00	0.00	0.00	0.00	581189.00	477045.00	32°18'40.462"N	104°04'13.936"W	0.00	0.00	0.00	
179.00	1.460	299.080	178.98	-0.94	0.94	-1.68	581187.32	477045.93	32°18'40.471"N	104°04'13.955"W	0.97	0.97	-40.34	
240.00	1.570	296.070	239.96	-1.68	1.68	-3.11	581185.89	477046.68	32°18'40.479"N	104°04'13.972"W	0.22	0.18	-4.93	
332.00	0.960	259.890	331.94	-2.11	2.10	-5.00	581184.00	477047.10	32°18'40.483"N	104°04'13.994"W	1.06	-0.66	-39.33	
413.00	0.900	241.620	412.93	-1.69	1.68	-6.23	581182.77	477046.68	32°18'40.479"N	104°04'14.008"W	0.37	-0.07	-22.56	17-1/2" BH MWD NT Surveys 179'-413'
521.00	1.130	232.840	520.91	-0.64	0.63	-7.82	581181.18	477045.63	32°18'40.468"N	104°04'14.027"W	0.26	0.21	-8.13	
602.00	0.860	353.780	601.91	-0.76	0.75	-8.53	581180.47	477045.75	32°18'40.470"N	104°04'14.035"W	2.14	-0.33	149.31	
697.00	3.320	10.250	696.84	-4.18	4.17	-8.11	581180.89	477049.17	32°18'40.503"N	104°04'14.030"W	2.64	2.59	17.34	
789.00	5.590	17.170	788.55	-11.08	11.07	-6.32	581182.68	477056.07	32°18'40.572"N	104°04'14.009"W	2.53	2.47	7.52	
883.00	6.540	22.320	882.03	-20.40	20.40	-2.93	581186.07	477065.40	32°18'40.664"N	104°04'13.969"W	1.16	1.01	5.48	
977.00	6.910	29.060	975.38	-30.29	30.29	1.85	581190.85	477075.29	32°18'40.762"N	104°04'13.913"W	0.93	0.39	7.17	
1073.00	7.110	30.700	1070.66	-40.44	40.45	7.68	581196.68	477085.45	32°18'40.862"N	104°04'13.845"W	0.29	0.21	1.71	
1169.00	7.910	35.900	1165.84	-50.89	50.91	14.59	581203.59	477095.91	32°18'40.965"N	104°04'13.764"W	1.09	0.83	5.42	
1264.00	9.550	36.870	1259.74	-62.48	62.51	23.15	581212.15	477107.51	32°18'41.080"N	104°04'13.664"W	1.73	1.73	1.02	
1360.00	9.700	38.540	1354.39	-75.16	75.21	32.97	581221.97	477120.20	32°18'41.205"N	104°04'13.549"W	0.33	0.16	1.74	
1456.00	9.350	37.630	1449.06	-87.65	87.71	42.77	581231.77	477132.70	32°18'41.329"N	104°04'13.435"W	0.40	-0.36	-0.95	
1551.00	8.740	39.320	1542.88	-99.33	99.40	52.06	581241.05	477144.40	32°18'41.444"N	104°04'13.326"W	0.70	-0.64	1.78	
1743.00	9.740	32.420	1732.39	-124.30	124.40	70.01	581259.00	477169.39	32°18'41.691"N	104°04'13.116"W	0.78	0.52	-3.59	
1934.00	8.830	42.160	1920.90	-148.78	148.91	88.51	581277.50	477193.90	32°18'41.933"N	104°04'12.900"W	0.95	-0.48	5.10	
2125.00	9.330	43.370	2109.51	-170.88	171.03	108.98	581297.97	477216.01	32°18'42.152"N	104°04'12.661"W	0.28	0.26	0.63	
2317.00	9.950	36.720	2298.80	-195.46	195.64	129.59	581318.58	477240.62	32°18'42.395"N	104°04'12.420"W	0.66	0.32	-3.46	
2508.00	9.060	20.910	2487.21	-222.72	222.92	144.83	581333.81	477267.90	32°18'42.664"N	104°04'12.242"W	1.44	-0.47	-8.28	
2699.00	7.940	16.300	2676.11	-249.42	249.63	153.90	581342.88	477294.61	32°18'42.928"N	104°04'12.135"W	0.69	-0.59	-2.41	
2890.00	9.130	27.160	2865.00	-275.55	275.78	164.52	581353.50	477320.75	32°18'43.187"N	104°04'12.011"W	1.05	0.62	5.69	
3081.00	8.710	28.650	3053.69	-301.70	301.95	178.37	581367.35	477346.93	32°18'43.446"N	104°04'11.849"W	0.25	-0.22	0.78	
3273.00	8.100	28.890	3243.63	-326.28	326.55	191.87	581380.86	477371.53	32°18'43.689"N	104°04'11.691"W	0.32	-0.32	0.12	
3464.00	8.530	33.430	3432.62	-349.87	350.16	206.18	581395.16	477395.13	32°18'43.922"N	104°04'11.523"W	0.41	0.23	2.38	
3655.00	7.700	32.700	3621.71	-372.44	372.75	220.89	581409.88	477417.71	32°18'44.145"N	104°04'11.351"W	0.44	-0.43	-0.38	
3846.00	9.250	34.980	3810.62	-395.76	396.09	236.61	581425.59	477441.06	32°18'44.376"N	104°04'11.167"W	0.83	0.81	1.19	



Actual Wellpath Report

CB NE 15 22 002 No. 2H_awp
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Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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
4037.00	8.910	35.050	3999.23	-420.43	420.78	253.90	581442.88	477465.74	32°18'44.620"N	104°04'10.965"W	0.18	-0.18	0.04	
4229.00	8.670	35.580	4188.97	-444.34	444.72	270.86	581459.84	477489.68	32°18'44.856"N	104°04'10.767"W	0.13	-0.13	0.28	
4420.00	5.890	32.270	4378.41	-464.32	464.72	284.47	581473.45	477509.68	32°18'45.054"N	104°04'10.608"W	1.47	-1.46	-1.73	
4516.00	4.010	37.200	4474.05	-471.16	471.56	289.13	581478.11	477516.52	32°18'45.121"N	104°04'10.553"W	2.01	-1.96	5.14	
4611.00	0.710	43.660	4568.96	-474.23	474.63	291.55	581480.52	477519.59	32°18'45.152"N	104°04'10.525"W	3.48	-3.47	6.80	
4707.00	0.820	257.970	4664.95	-474.51	474.92	291.29	581480.26	477519.88	32°18'45.154"N	104°04'10.528"W	1.52	0.11	-151.76	
4898.00	0.900	259.160	4855.93	-473.95	474.35	288.48	581477.45	477519.31	32°18'45.149"N	104°04'10.561"W	0.04	0.04	0.62	
5090.00	0.810	253.560	5047.91	-473.29	473.69	285.70	581474.67	477518.64	32°18'45.142"N	104°04'10.593"W	0.06	-0.05	-2.92	
5281.00	0.590	254.350	5238.90	-472.64	473.04	283.45	581472.43	477518.00	32°18'45.136"N	104°04'10.619"W	0.12	-0.12	0.41	
5472.00	0.560	264.830	5429.89	-472.29	472.69	281.58	581470.55	477517.65	32°18'45.133"N	104°04'10.641"W	0.06	-0.02	5.49	
5663.00	0.690	160.040	5620.88	-471.13	471.52	281.04	581470.02	477516.48	32°18'45.121"N	104°04'10.648"W	0.52	0.07	-54.86	
5855.00	1.100	151.180	5812.86	-468.43	468.82	282.32	581471.30	477513.78	32°18'45.094"N	104°04'10.633"W	0.22	0.21	-4.61	
6046.00	1.140	134.420	6003.82	-465.49	465.89	284.56	581473.54	477510.85	32°18'45.065"N	104°04'10.607"W	0.17	0.02	-8.77	
6237.00	1.270	156.840	6194.78	-462.21	462.61	286.75	581475.73	477507.57	32°18'45.033"N	104°04'10.581"W	0.25	0.07	11.74	
6429.00	0.970	190.560	6386.74	-458.65	459.06	287.29	581476.27	477504.02	32°18'44.998"N	104°04'10.575"W	0.37	-0.16	17.56	
6620.00	1.060	179.940	6577.71	-455.30	455.70	287.00	581475.97	477500.66	32°18'44.964"N	104°04'10.579"W	0.11	0.05	-5.56	
6811.00	1.060	148.310	6768.68	-452.03	452.43	287.93	581476.90	477497.39	32°18'44.932"N	104°04'10.568"W	0.30	0.00	-16.56	
7003.00	1.600	155.560	6960.63	-448.07	448.48	289.97	581478.95	477493.44	32°18'44.893"N	104°04'10.544"W	0.29	0.28	3.78	
7194.00	0.940	151.150	7151.58	-444.27	444.68	291.83	581480.80	477489.64	32°18'44.855"N	104°04'10.523"W	0.35	-0.35	-2.31	
7289.00	1.290	35.270	7246.57	-444.46	444.87	292.82	581481.80	477489.83	32°18'44.857"N	104°04'10.511"W	2.00	0.37	-121.98	
7480.00	1.680	25.740	7437.51	-448.73	449.15	295.28	581484.26	477494.11	32°18'44.899"N	104°04'10.482"W	0.24	0.20	-4.99	
7576.00	1.630	25.440	7533.47	-451.23	451.65	296.48	581485.45	477496.61	32°18'44.924"N	104°04'10.468"W	0.05	-0.05	-0.31	
7672.00	1.320	18.770	7629.44	-453.51	453.93	297.42	581486.39	477498.89	32°18'44.947"N	104°04'10.457"W	0.37	-0.32	-6.95	
7767.00	1.200	17.060	7724.41	-455.50	455.91	298.06	581487.04	477500.88	32°18'44.966"N	104°04'10.450"W	0.13	-0.13	-1.80	
7863.00	0.850	20.400	7820.40	-457.13	457.54	298.61	581487.58	477502.50	32°18'44.982"N	104°04'10.443"W	0.37	-0.36	3.48	
7958.00	0.610	51.080	7915.39	-458.10	458.52	299.25	581488.22	477503.48	32°18'44.992"N	104°04'10.436"W	0.47	-0.25	32.29	
8054.00	0.650	90.390	8011.39	-458.42	458.84	300.19	581489.16	477503.80	32°18'44.995"N	104°04'10.425"W	0.44	0.04	40.95	
8150.00	0.770	115.390	8107.38	-458.14	458.56	301.32	581490.29	477503.52	32°18'44.992"N	104°04'10.412"W	0.34	0.13	26.04	
8246.00	1.090	123.520	8203.37	-457.35	457.78	302.66	581491.63	477502.74	32°18'44.984"N	104°04'10.396"W	0.36	0.33	8.47	
8341.00	0.890	143.930	8298.35	-456.26	456.68	303.85	581492.82	477501.64	32°18'44.974"N	104°04'10.382"W	0.42	-0.21	21.48	



Actual Wellpath Report

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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
8437.00	0.630	164.700	8394.34	-455.14	455.57	304.43	581493.40	477500.53	32°18'44.963"N	104°04'10.376"W	0.39	-0.27	21.64	
8533.00	0.540	201.380	8490.34	-454.21	454.64	304.40	581493.37	477499.60	32°18'44.953"N	104°04'10.376"W	0.39	-0.09	38.21	
8629.00	1.120	242.830	8586.33	-453.37	453.79	303.40	581492.37	477498.75	32°18'44.945"N	104°04'10.388"W	0.83	0.60	43.18	
8725.00	1.260	253.930	8682.31	-452.65	453.07	301.55	581490.53	477498.03	32°18'44.938"N	104°04'10.409"W	0.28	0.15	11.56	
8821.00	1.270	270.150	8778.29	-452.36	452.78	299.47	581488.45	477497.74	32°18'44.935"N	104°04'10.433"W	0.37	0.01	16.90	
8916.00	0.980	275.190	8873.27	-452.44	452.86	297.61	581486.59	477497.82	32°18'44.936"N	104°04'10.455"W	0.32	-0.31	5.31	
8945.00	0.930	276.170	8902.26	-452.49	452.90	297.13	581486.11	477497.87	32°18'44.936"N	104°04'10.461"W	0.18	-0.17	3.38	12-1/4" BH MWD Surveys 521'-8945'
9085.00	4.540	188.750	9042.11	-447.13	447.55	295.16	581484.13	477492.51	32°18'44.883"N	104°04'10.484"W	3.28	2.58	-62.44	
9180.00	13.860	192.840	9135.79	-432.30	432.70	292.05	581481.02	477477.67	32°18'44.737"N	104°04'10.520"W	9.83	9.81	4.31	
9276.00	22.970	191.690	9226.77	-402.69	403.09	285.69	581474.66	477448.05	32°18'44.444"N	104°04'10.595"W	9.50	9.49	-1.20	
9371.00	31.390	185.780	9311.22	-359.84	360.23	279.43	581468.40	477405.20	32°18'44.020"N	104°04'10.670"W	9.30	8.86	-6.22	
9466.00	39.050	180.920	9388.79	-305.22	305.61	276.45	581465.42	477350.58	32°18'43.479"N	104°04'10.706"W	8.58	8.06	-5.12	
9562.00	47.920	179.620	9458.37	-239.23	239.61	276.20	581465.18	477284.59	32°18'42.826"N	104°04'10.711"W	9.29	9.24	-1.35	
9657.00	57.330	180.220	9515.98	-163.82	164.20	276.28	581465.26	477209.19	32°18'42.080"N	104°04'10.712"W	9.92	9.91	0.63	
9753.00	65.420	180.130	9561.93	-79.62	80.01	276.02	581465.00	477125.00	32°18'41.247"N	104°04'10.717"W	8.43	8.43	-0.09	
9848.00	75.880	181.160	9593.37	9.88	-9.50	274.99	581463.97	477035.51	32°18'40.361"N	104°04'10.732"W	11.06	11.01	1.08	
9944.00	87.440	181.290	9607.27	104.68	-104.30	272.96	581461.94	476940.71	32°18'39.423"N	104°04'10.758"W	12.04	12.04	0.14	
10039.00	89.600	178.280	9609.72	199.63	-199.25	273.32	581462.30	476845.77	32°18'38.484"N	104°04'10.757"W	3.90	2.27	-3.17	
10135.00	89.970	178.730	9610.08	295.60	-295.21	275.82	581464.80	476749.81	32°18'37.534"N	104°04'10.730"W	0.61	0.39	0.47	
10231.00	91.320	179.130	9609.00	391.58	-391.19	277.62	581466.59	476653.84	32°18'36.584"N	104°04'10.712"W	1.47	1.41	0.42	
10326.00	90.180	178.740	9607.76	486.55	-486.16	279.38	581468.36	476558.88	32°18'35.644"N	104°04'10.694"W	1.27	-1.20	-0.41	
10422.00	90.150	178.650	9607.48	582.53	-582.14	281.57	581470.54	476462.91	32°18'34.695"N	104°04'10.672"W	0.10	-0.03	-0.09	
10518.00	89.940	178.600	9607.40	678.51	-678.11	283.87	581472.85	476366.95	32°18'33.745"N	104°04'10.648"W	0.22	-0.22	-0.05	
10613.00	89.690	178.480	9607.71	773.48	-773.08	286.29	581475.27	476271.99	32°18'32.805"N	104°04'10.622"W	0.29	-0.26	-0.13	
10709.00	89.660	178.540	9608.26	869.45	-869.04	288.79	581477.76	476176.03	32°18'31.856"N	104°04'10.596"W	0.07	-0.03	0.06	
10805.00	89.910	178.660	9608.62	965.42	-965.02	291.13	581480.11	476080.07	32°18'30.906"N	104°04'10.571"W	0.29	0.26	0.13	
10900.00	89.660	178.430	9608.97	1060.39	-1059.98	293.55	581482.52	475985.11	32°18'29.966"N	104°04'10.546"W	0.36	-0.26	-0.24	
10996.00	89.290	179.680	9609.85	1156.38	-1155.96	295.13	581484.10	475889.13	32°18'29.016"N	104°04'10.530"W	1.36	-0.39	1.30	
11092.00	89.380	179.200	9610.97	1252.37	-1251.95	296.07	581485.04	475793.15	32°18'28.066"N	104°04'10.522"W	0.51	0.09	-0.50	
11187.00	89.510	179.470	9611.89	1347.36	-1346.94	297.17	581486.15	475698.17	32°18'27.126"N	104°04'10.512"W	0.32	0.14	0.28	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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
11283.00	89.630	179.400	9612.61	1443.35	-1442.93	298.12	581487.09	475602.19	32°18'26.176"N	104°04'10.503"W	0.14	0.12	-0.07	
11379.00	89.690	179.110	9613.18	1539.34	-1538.93	299.37	581488.34	475506.21	32°18'25.227"N	104°04'10.492"W	0.31	0.06	-0.30	
11474.00	90.030	179.450	9613.41	1634.34	-1633.92	300.56	581489.53	475411.22	32°18'24.287"N	104°04'10.481"W	0.51	0.36	0.36	
11570.00	89.940	179.240	9613.43	1730.33	-1729.91	301.66	581490.63	475315.24	32°18'23.337"N	104°04'10.470"W	0.24	-0.09	-0.22	
11666.00	89.940	180.370	9613.53	1826.33	-1825.91	301.98	581490.96	475219.25	32°18'22.387"N	104°04'10.469"W	1.18	0.00	1.18	
11761.00	90.090	180.480	9613.51	1921.32	-1920.91	301.28	581490.25	475124.26	32°18'21.447"N	104°04'10.480"W	0.20	0.16	0.12	
11856.00	89.350	180.100	9613.97	2016.32	-2015.90	300.80	581489.77	475029.27	32°18'20.507"N	104°04'10.489"W	0.88	-0.78	-0.40	
11952.00	89.510	180.550	9614.93	2112.31	-2111.90	300.25	581489.23	474933.28	32°18'19.557"N	104°04'10.498"W	0.50	0.17	0.47	
12047.00	91.290	180.790	9614.27	2207.30	-2206.88	299.14	581488.12	474838.31	32°18'18.617"N	104°04'10.513"W	1.89	1.87	0.25	
12143.00	89.910	180.720	9613.26	2303.28	-2302.87	297.88	581486.85	474742.33	32°18'17.667"N	104°04'10.531"W	1.44	-1.44	-0.07	
12238.00	89.780	181.610	9613.52	2398.26	-2397.85	295.95	581484.92	474647.36	32°18'16.727"N	104°04'10.556"W	0.95	-0.14	0.94	
12334.00	90.650	181.360	9613.16	2494.22	-2493.81	293.46	581482.43	474551.40	32°18'15.778"N	104°04'10.588"W	0.94	0.91	-0.26	
12429.00	88.550	183.370	9613.82	2589.12	-2588.72	289.54	581478.51	474456.50	32°18'14.839"N	104°04'10.636"W	3.06	-2.21	2.12	
12525.00	88.740	183.520	9616.09	2684.91	-2684.52	283.77	581472.75	474360.71	32°18'13.891"N	104°04'10.706"W	0.25	0.20	0.16	
12621.00	89.880	186.230	9617.25	2780.54	-2780.15	275.62	581464.59	474265.08	32°18'12.945"N	104°04'10.804"W	3.06	1.19	2.82	
12716.00	88.830	185.040	9618.32	2875.05	-2874.69	266.29	581455.26	474170.56	32°18'12.010"N	104°04'10.915"W	1.67	-1.11	-1.25	
12812.00	88.950	186.230	9620.18	2970.56	-2970.20	256.86	581445.84	474075.05	32°18'11.065"N	104°04'11.028"W	1.25	0.12	1.24	
12907.00	89.910	185.980	9621.12	3065.00	-3064.66	246.76	581435.74	473980.60	32°18'10.130"N	104°04'11.148"W	1.04	1.01	-0.26	
13002.00	90.060	185.850	9621.15	3159.48	-3159.15	236.97	581425.95	473886.12	32°18'09.195"N	104°04'11.265"W	0.21	0.16	-0.14	
13098.00	90.090	186.000	9621.02	3254.95	-3254.64	227.06	581416.04	473790.64	32°18'08.251"N	104°04'11.383"W	0.16	0.03	0.16	
13193.00	90.150	185.790	9620.82	3349.44	-3349.14	217.30	581406.29	473696.15	32°18'07.316"N	104°04'11.500"W	0.23	0.06	-0.22	
13289.00	91.720	185.440	9619.26	3444.95	-3444.66	207.91	581396.89	473600.63	32°18'06.371"N	104°04'11.612"W	1.68	1.64	-0.36	
13385.00	91.020	185.700	9616.96	3540.45	-3540.18	198.60	581387.58	473505.12	32°18'05.426"N	104°04'11.723"W	0.78	-0.73	0.27	
13480.00	89.720	185.280	9616.35	3635.00	-3634.74	189.51	581378.49	473410.57	32°18'04.491"N	104°04'11.832"W	1.44	-1.37	-0.44	
13576.00	90.090	185.650	9616.51	3730.55	-3730.30	180.37	581369.35	473315.02	32°18'03.545"N	104°04'11.941"W	0.55	0.39	0.39	
13672.00	90.120	185.660	9616.33	3826.07	-3825.83	170.91	581359.89	473219.49	32°18'02.600"N	104°04'12.054"W	0.03	0.03	0.01	
13767.00	90.430	185.770	9615.87	3920.58	-3920.36	161.45	581350.43	473124.97	32°18'01.665"N	104°04'12.167"W	0.35	0.33	0.12	
13863.00	90.180	185.920	9615.36	4016.07	-4015.86	151.67	581340.66	473029.48	32°18'00.720"N	104°04'12.283"W	0.30	-0.26	0.16	
13958.00	90.150	185.860	9615.09	4110.55	-4110.36	141.92	581330.91	472934.99	32°17'59.785"N	104°04'12.400"W	0.07	-0.03	-0.06	
14054.00	90.280	185.740	9614.73	4206.05	-4205.87	132.22	581321.21	472839.49	32°17'58.840"N	104°04'12.515"W	0.18	0.14	-0.12	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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
14149.00	90.250	185.950	9614.29	4300.54	-4300.37	122.55	581311.53	472745.00	32°17'57.906"N	104°04'12.631"W	0.22	-0.03	0.22	
14245.00	90.180	185.770	9613.93	4396.02	-4395.87	112.74	581301.73	472649.51	32°17'56.961"N	104°04'12.748"W	0.20	-0.07	-0.19	
14340.00	90.220	185.770	9613.60	4490.53	-4490.39	103.19	581292.18	472555.00	32°17'56.026"N	104°04'12.862"W	0.04	0.04	0.00	
14436.00	90.120	183.980	9613.31	4586.16	-4586.04	95.04	581284.03	472459.36	32°17'55.079"N	104°04'12.959"W	1.87	-0.10	-1.86	
14532.00	90.120	180.840	9613.11	4682.06	-4681.94	91.00	581279.99	472363.46	32°17'54.131"N	104°04'13.009"W	3.27	0.00	-3.27	
14627.00	90.180	179.920	9612.86	4777.06	-4776.93	90.37	581279.36	472268.47	32°17'53.191"N	104°04'13.019"W	0.97	0.06	-0.97	
14723.00	90.180	178.730	9612.56	4873.05	-4872.93	91.50	581280.49	472172.49	32°17'52.241"N	104°04'13.009"W	1.24	0.00	-1.24	
14818.00	90.220	178.930	9612.23	4968.03	-4967.91	93.44	581282.43	472077.52	32°17'51.301"N	104°04'12.989"W	0.21	0.04	0.21	
14914.00	90.250	178.900	9611.84	5064.02	-5063.89	95.26	581284.25	471981.54	32°17'50.351"N	104°04'12.971"W	0.04	0.03	-0.03	
15010.00	90.180	178.820	9611.48	5160.00	-5159.87	97.17	581286.16	471885.57	32°17'49.401"N	104°04'12.951"W	0.11	-0.07	-0.08	
15105.00	90.220	179.040	9611.14	5254.98	-5254.85	98.94	581287.93	471790.60	32°17'48.461"N	104°04'12.933"W	0.24	0.04	0.23	
15201.00	90.180	178.850	9610.81	5350.97	-5350.83	100.71	581289.70	471694.62	32°17'47.511"N	104°04'12.915"W	0.20	-0.04	-0.20	
15297.00	90.220	179.430	9610.47	5446.96	-5446.82	102.15	581291.14	471598.64	32°17'46.562"N	104°04'12.901"W	0.61	0.04	0.60	
15392.00	90.180	179.850	9610.14	5541.96	-5541.82	102.75	581291.74	471503.65	32°17'45.622"N	104°04'12.897"W	0.44	-0.04	0.44	
15488.00	90.220	180.130	9609.81	5637.96	-5637.82	102.76	581291.75	471407.66	32°17'44.672"N	104°04'12.899"W	0.29	0.04	0.29	
15584.00	90.180	180.150	9609.47	5733.96	-5733.82	102.53	581291.52	471311.67	32°17'43.722"N	104°04'12.905"W	0.05	-0.04	0.02	
15680.00	90.180	179.910	9609.17	5829.95	-5829.82	102.48	581291.47	471215.68	32°17'42.772"N	104°04'12.908"W	0.25	0.00	-0.25	
15775.00	90.180	179.750	9608.87	5924.95	-5924.82	102.76	581291.75	471120.69	32°17'41.832"N	104°04'12.908"W	0.17	0.00	-0.17	
15871.00	90.180	180.100	9608.57	6020.95	-6020.82	102.89	581291.88	471024.70	32°17'40.882"N	104°04'12.909"W	0.36	0.00	0.36	
15967.00	90.180	179.940	9608.27	6116.95	-6116.82	102.85	581291.84	470928.71	32°17'39.932"N	104°04'12.912"W	0.17	0.00	-0.17	
16062.00	90.180	179.770	9607.97	6211.95	-6211.81	103.09	581292.08	470833.72	32°17'38.992"N	104°04'12.912"W	0.18	0.00	-0.18	
16158.00	89.540	180.090	9608.20	6307.95	-6307.81	103.21	581292.20	470737.73	32°17'38.042"N	104°04'12.913"W	0.75	-0.67	0.33	
16254.00	89.690	180.130	9608.85	6403.95	-6403.81	103.03	581292.02	470641.74	32°17'37.092"N	104°04'12.918"W	0.16	0.16	0.04	
16350.00	90.060	179.830	9609.06	6499.95	-6499.81	103.06	581292.05	470545.74	32°17'36.142"N	104°04'12.921"W	0.50	0.39	-0.31	
16445.00	89.820	179.680	9609.16	6594.95	-6594.81	103.47	581292.46	470450.75	32°17'35.202"N	104°04'12.919"W	0.30	-0.25	-0.16	
16541.00	90.120	179.920	9609.21	6690.95	-6690.81	103.80	581292.79	470354.76	32°17'34.252"N	104°04'12.917"W	0.40	0.31	0.25	
16637.00	90.060	179.960	9609.06	6786.95	-6786.81	103.90	581292.89	470258.77	32°17'33.302"N	104°04'12.919"W	0.08	-0.06	0.04	
16732.00	90.090	180.050	9608.93	6881.95	-6881.81	103.89	581292.88	470163.78	32°17'32.362"N	104°04'12.922"W	0.10	0.03	0.09	
16827.00	90.030	179.550	9608.83	6976.95	-6976.81	104.22	581293.22	470068.79	32°17'31.422"N	104°04'12.921"W	0.53	-0.06	-0.53	
16923.00	90.090	179.740	9608.73	7072.94	-7072.81	104.82	581293.81	469972.80	32°17'30.472"N	104°04'12.917"W	0.21	0.06	0.20	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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
17018.00	90.460	179.600	9608.28	7167.94	-7167.80	105.37	581294.36	469877.81	32°17'29.532"N	104°04'12.913"W	0.42	0.39	-0.15	
17114.00	90.030	179.650	9607.87	7263.94	-7263.80	106.00	581294.99	469781.82	32°17'28.582"N	104°04'12.908"W	0.45	-0.45	0.05	
17209.00	90.120	179.700	9607.74	7358.94	-7358.80	106.53	581295.52	469686.83	32°17'27.642"N	104°04'12.905"W	0.11	0.09	0.05	
17305.00	90.220	179.550	9607.46	7454.94	-7454.80	107.16	581296.15	469590.84	32°17'26.692"N	104°04'12.900"W	0.19	0.10	-0.16	
17400.00	90.120	179.380	9607.18	7549.93	-7549.79	108.05	581297.04	469495.85	32°17'25.752"N	104°04'12.893"W	0.21	-0.11	-0.18	
17496.00	90.060	179.510	9607.03	7645.93	-7645.79	108.98	581297.97	469399.87	32°17'24.802"N	104°04'12.884"W	0.15	-0.06	0.14	
17592.00	90.120	179.460	9606.87	7741.93	-7741.78	109.84	581298.83	469303.88	32°17'23.852"N	104°04'12.877"W	0.08	0.06	-0.05	
17687.00	91.450	179.940	9605.57	7836.92	-7836.77	110.34	581299.33	469208.90	32°17'22.912"N	104°04'12.874"W	1.49	1.40	0.51	
17783.00	91.080	179.450	9603.45	7932.89	-7932.74	110.85	581299.84	469112.93	32°17'21.962"N	104°04'12.871"W	0.64	-0.39	-0.51	
17878.00	90.340	179.610	9602.28	8027.88	-8027.73	111.63	581300.62	469017.95	32°17'21.022"N	104°04'12.864"W	0.80	-0.78	0.17	
17974.00	90.340	179.500	9601.71	8123.88	-8123.73	112.38	581301.37	468921.96	32°17'20.072"N	104°04'12.859"W	0.11	0.00	-0.11	
18069.00	90.030	179.450	9601.40	8218.87	-8218.72	113.25	581302.24	468826.98	32°17'19.132"N	104°04'12.851"W	0.33	-0.33	-0.05	
18165.00	89.720	179.930	9601.61	8314.87	-8314.72	113.77	581302.76	468730.99	32°17'18.182"N	104°04'12.848"W	0.60	-0.32	0.50	
18261.00	90.860	180.250	9601.12	8410.87	-8410.72	113.61	581302.60	468635.00	32°17'17.233"N	104°04'12.852"W	1.23	1.19	0.33	
18356.00	89.450	179.590	9600.87	8505.87	-8505.72	113.75	581302.74	468540.01	32°17'16.293"N	104°04'12.853"W	1.64	-1.48	-0.69	
18452.00	89.970	180.000	9601.35	8601.86	-8601.71	114.09	581303.08	468444.02	32°17'15.343"N	104°04'12.852"W	0.69	0.54	0.43	
18547.00	89.660	179.670	9601.66	8696.86	-8696.71	114.36	581303.35	468349.03	32°17'14.403"N	104°04'12.852"W	0.48	-0.33	-0.35	
18642.00	89.690	179.670	9602.20	8791.86	-8791.71	114.91	581303.90	468254.04	32°17'13.462"N	104°04'12.848"W	0.03	0.03	0.00	
18738.00	89.940	179.830	9602.51	8887.86	-8887.71	115.33	581304.32	468158.05	32°17'12.513"N	104°04'12.846"W	0.31	0.26	0.17	
18833.00	91.360	179.710	9601.43	8982.85	-8982.70	115.71	581304.70	468063.07	32°17'11.573"N	104°04'12.844"W	1.50	1.49	-0.13	
18929.00	89.320	179.910	9600.86	9078.84	-9078.69	116.03	581305.02	467967.08	32°17'10.623"N	104°04'12.843"W	2.14	-2.13	0.21	
19024.00	89.260	179.630	9602.04	9173.84	-9173.68	116.41	581305.40	467872.10	32°17'09.683"N	104°04'12.842"W	0.30	-0.06	-0.29	
19120.00	90.060	180.390	9602.61	9269.83	-9269.68	116.39	581305.38	467776.11	32°17'08.733"N	104°04'12.844"W	1.15	0.83	0.79	
19215.00	89.940	179.500	9602.61	9364.83	-9364.68	116.49	581305.48	467681.12	32°17'07.793"N	104°04'12.846"W	0.95	-0.13	-0.94	
19310.00	89.910	179.520	9602.73	9459.83	-9459.67	117.30	581306.29	467586.13	32°17'06.853"N	104°04'12.839"W	0.04	-0.03	0.02	
19405.00	89.940	179.610	9602.86	9554.83	-9554.67	118.02	581307.01	467491.14	32°17'05.913"N	104°04'12.834"W	0.10	0.03	0.09	
19501.00	90.000	179.760	9602.91	9650.83	-9650.67	118.55	581307.54	467395.15	32°17'04.963"N	104°04'12.830"W	0.17	0.06	0.16	
19597.00	90.220	179.960	9602.72	9746.83	-9746.67	118.78	581307.77	467299.16	32°17'04.013"N	104°04'12.830"W	0.31	0.23	0.21	
19692.00	90.220	179.480	9602.36	9841.82	-9841.67	119.25	581308.24	467204.17	32°17'03.073"N	104°04'12.828"W	0.51	0.00	-0.51	
19729.00	89.940	179.640	9602.31	9878.82	-9878.67	119.53	581308.52	467167.18	32°17'02.707"N	104°04'12.825"W	0.87	-0.76	0.43	8 1/2 BH MWD 9085-19729



Actual Wellpath Report

CB NE 15 22 002 No. 2H_awp
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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

WELLPATH DATA (181 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
19754.00	89.940	179.640	9602.33	9903.82	-9903.67	119.69	581308.68	467142.18	32°17'02.459"N	104°04'12.824"W	0.00	0.00	0.00	Projection to bit 19754

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CB NE 15 22 002 2H FTP	9608.00	190.02	101.01	581290.00	477235.00	32°18'42.340"N	104°04'12.753"W	point
CB NE 15 22 002 2H LTP	9608.00	-9739.83	117.01	581306.00	467306.00	32°17'04.080"N	104°04'12.851"W	point
CB NE 15 22 002 2H MP	9608.00	-4798.41	104.01	581293.00	472247.00	32°17'52.978"N	104°04'12.861"W	point
CB NE 15 22 002 2H PBHL	9608.00	-9969.85	117.01	581306.00	467076.00	32°17'01.804"N	104°04'12.857"W	rectangle

WELLPATH COMPOSITION - Ref Wellbore: CB NE 15 22 002 No. 2H AWB Ref Wellpath: CB NE 15 22 002 No. 2H_awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	413.00	OWSG MWD rev2 + HRGM	17-1/2" BH MWD NT Surveys 179'-413'	CB NE 15 22 002 No. 2H AWB
413.00	8945.00	BHI NaviTrak (Axial)	12-1/4" BH MWD Surveys 521'-8945'	CB NE 15 22 002 No. 2H AWB
8945.00	19729.00	OWSG MWD rev2 + HRGM	8 1/2 BH MWD 9085-19729	CB NE 15 22 002 No. 2H AWB
19729.00	19754.00	Blind Drilling (std)	Projection to bit	CB NE 15 22 002 No. 2H AWB



Actual Wellpath Report

CB NE 15 22 002 No. 2H_awp

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB NE 15 22 002 No. 2H
Area	Eddy County, NM	Well	CB NE 15 22 002 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	CB NE 15 22 002 No. 2H AWB
Facility	CB NE 15 22 002		

COMMENTS

Wellpath general comments

Well: CB NE 15 22 002 No. 2H
Field: Purple Sage, Wolfcamp NAD 27
Rig: Patterson 257
Location: Eddy Co., NM
API: 30-015-45710-00
Latitude: 32° 18' 40.462" N
Longitude: 104° 04' 13.936" W
DF Elevation: 3020.00 ft
Elev. GL: 2992.00 ft
DF: 28.00 ft
Proposed Direction: 179.92°
PBHL: 19754.00 feet
Duration: 08/08/2019-10/14/2019
FSE's: Remote Ops
SO#: 109951515
17-1/2" BH MWD NT Surveys 179'-413'
12-1/4" BH MWD Surveys 521'-8945'
8 1/2 BH MWD 9085-19729
Projection to bit 19754