

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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: 7/21/2020  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT  
"As-Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-45421	<sup>2</sup> Pool Code 13367	<sup>3</sup> Pool Name COTTON DRAW; BONE SPRING
<sup>4</sup> Property Code 322857	<sup>5</sup> Property Name SND 12 01 FED 003	
<sup>7</sup> OGRID No. 4323	<sup>8</sup> Operator Name CHEVRON U.S.A. INC.	<sup>6</sup> Well Number 2H
		<sup>9</sup> Elevation 3579'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	12	24 SOUTH	31 EAST, N.M.P.M.		367'	SOUTH	1235'	EAST	EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	1	24 SOUTH	31 EAST, N.M.P.M.		29'	NORTH	1225'	EAST	EDDY

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code Defining well	<sup>15</sup> Order No. R-20250
--------------------------------------	-------------------------------	---	------------------------------------

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.

<sup>16</sup> SND 12 01 FED 003 NO. 2H WELL X= 687,655' Y= 446,291' LAT. 32.225514° N LONG. 103.726499° W X= 728,839' Y= 446,350' LAT. 32.225638° N LONG. 103.726982° W ELEVATION +3579' NAVD 88 FINAL FIRST TAKE POINT X= 687,646' Y= 446,322' LAT. 32.225599° N LONG. 103.726527° W X= 728,830' Y= 446,381' LAT. 32.225722° N LONG. 103.727010° W AS-DRILLED BOTTOM HOLE LOCATION X= 687,611' Y= 456,459' LAT. 32.253464° N LONG. 103.726457° W X= 728,794' Y= 456,518' LAT. 32.253587° N LONG. 103.726941° W  CORNER COORDINATES TABLE (NAD 27) A - Y=456465.72, X=683556.77 B - Y=456487.58, X=687515.39 C - Y=456494.87, X=688834.92 D - Y=445905.30, X=683610.86 E - Y=445923.64, X=687571.75 F - Y=445929.75, X=688892.05		<sup>17</sup> 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: Date: 4/16/2020  Printed Name: Laura Becerra E-mail Address: LBecerra@Chevron.com
		<sup>18</sup> 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.  Date of Survey: 07/31/2017 Signature and Seal of Professional Surveyor: Certificate Number: 23006 03/06/2020

Intent  As Drilled

API # 30-015-45421		
Operator Name:  CHEVRON USA INC	Property Name:  SND 12 01 FED 003	Well Number  2H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
O	12	24S	31E		54	FSL	1,376	FEL	EDDY
Latitude 32.224777					Longitude 103.727439				NAD NAD 83/86

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	12	24S	31E		298	FSL	1,244	FEL	EDDY
Latitude 32.225722					Longitude 103.727010				NAD NAD 83/86

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	1	24S	31E		194	FNL	1,226	FEL	EDDY
Latitude 32.253134					Longitude 103.726945				NAD NAD 86/86

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

Is this well an infill well?  YES

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

API #		
Operator Name:	Property Name:	Well Number



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.1
North Reference	Grid	User	GilbjosI
Scale	0.999949	Report Generated	08-Oct-19 at 2:41:44 PM
Convergence at slot	0.32° 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	-25.00	687655.00	446291.00	32°13'31.851"N	103°43'35.397"W
Facility Reference Pt			687680.00	446291.00	32°13'31.850"N	103°43'35.106"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 816 (KB) to MSL	3607.00ft
Horizontal Reference Pt	Slot	Patterson 816 (KB) to Mean Sea Level	3607.00ft
Vertical Reference Pt	Patterson 816 (KB)	Patterson 816 (KB) to Ground Level at Slot (SND 12 01 FED 003 No. 2H)	28.00ft
MD Reference Pt	Patterson 816 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.69°

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

SND 12 01 FED 003 No. 2H\_awp  
Page 2 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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	25.500	0.00	0.00	0.00	0.00	687655.00	446291.00	32°13'31.851"N	103°43'35.397"W	0.00	0.00	0.00	
28.00	0.000	25.500	28.00	0.00	0.00	0.00	687655.00	446291.00	32°13'31.851"N	103°43'35.397"W	0.00	0.00	0.00	
166.90	0.400	25.500	166.90	0.44	0.44	0.21	687655.21	446291.44	32°13'31.856"N	103°43'35.395"W	0.29	0.29	18.36	
259.90	0.800	33.500	259.89	1.27	1.27	0.71	687655.71	446292.27	32°13'31.864"N	103°43'35.389"W	0.44	0.43	8.60	
352.90	0.700	303.500	352.89	2.12	2.13	0.59	687655.59	446293.13	32°13'31.872"N	103°43'35.390"W	1.14	-0.11	-96.77	
445.90	0.800	316.500	445.88	2.91	2.91	-0.33	687654.67	446293.91	32°13'31.880"N	103°43'35.401"W	0.21	0.11	13.98	
540.90	0.500	0.500	540.87	3.81	3.81	-0.78	687654.22	446294.81	32°13'31.889"N	103°43'35.406"W	0.59	-0.32	46.32	
633.90	0.600	157.500	633.87	3.77	3.76	-0.59	687654.41	446294.76	32°13'31.889"N	103°43'35.404"W	1.16	0.11	168.82	
727.90	0.600	180.500	727.87	2.82	2.82	-0.41	687654.59	446293.82	32°13'31.879"N	103°43'35.402"W	0.25	0.00	24.47	
821.90	0.400	107.500	821.87	2.23	2.23	-0.10	687654.90	446293.23	32°13'31.873"N	103°43'35.398"W	0.66	-0.21	-77.66	
882.00	0.660	205.300	881.96	1.85	1.85	-0.05	687654.95	446292.85	32°13'31.870"N	103°43'35.398"W	1.36	0.43	162.73	
970.00	1.700	195.680	969.94	0.14	0.13	-0.62	687654.38	446291.13	32°13'31.853"N	103°43'35.404"W	1.20	1.18	-10.93	
1065.00	3.070	188.840	1064.86	-3.73	-3.74	-1.39	687653.61	446287.26	32°13'31.814"N	103°43'35.414"W	1.47	1.44	-7.20	
1161.00	4.580	189.260	1160.64	-10.05	-10.06	-2.40	687652.60	446280.94	32°13'31.752"N	103°43'35.426"W	1.57	1.57	0.44	
1256.00	5.630	191.020	1255.26	-18.36	-18.38	-3.90	687651.10	446272.62	32°13'31.670"N	103°43'35.444"W	1.12	1.11	1.85	
1352.00	5.650	191.300	1350.80	-27.60	-27.63	-5.73	687649.27	446263.37	32°13'31.578"N	103°43'35.466"W	0.04	0.02	0.29	
1447.00	5.230	194.560	1445.37	-36.37	-36.41	-7.73	687647.27	446254.59	32°13'31.491"N	103°43'35.490"W	0.55	-0.44	3.43	
1542.00	4.740	194.340	1540.01	-44.35	-44.40	-9.79	687645.21	446246.60	32°13'31.412"N	103°43'35.514"W	0.52	-0.52	-0.23	
1637.00	5.460	188.950	1634.64	-52.61	-52.67	-11.47	687643.53	446238.33	32°13'31.331"N	103°43'35.534"W	0.91	0.76	-5.67	
1733.00	5.510	188.870	1730.20	-61.67	-61.74	-12.89	687642.11	446229.27	32°13'31.241"N	103°43'35.551"W	0.05	0.05	-0.08	
1829.00	5.350	189.650	1825.77	-70.62	-70.70	-14.35	687640.65	446220.30	32°13'31.153"N	103°43'35.569"W	0.18	-0.17	0.81	
1924.00	5.860	190.090	1920.31	-79.76	-79.84	-15.94	687639.06	446211.16	32°13'31.062"N	103°43'35.588"W	0.54	0.54	0.46	
2020.00	6.520	189.430	2015.75	-89.95	-90.05	-17.69	687637.31	446200.96	32°13'30.961"N	103°43'35.609"W	0.69	0.69	-0.69	
2116.00	6.330	184.510	2111.15	-100.59	-100.70	-19.00	687636.00	446190.31	32°13'30.856"N	103°43'35.625"W	0.61	-0.20	-5.12	
2210.00	5.940	183.610	2204.61	-110.61	-110.72	-19.72	687635.28	446180.29	32°13'30.757"N	103°43'35.634"W	0.43	-0.41	-0.96	
2305.00	5.930	185.330	2299.10	-120.40	-120.51	-20.48	687634.52	446170.50	32°13'30.660"N	103°43'35.644"W	0.19	-0.01	1.81	
2401.00	7.020	187.120	2394.49	-131.15	-131.27	-21.67	687633.33	446159.74	32°13'30.554"N	103°43'35.658"W	1.15	1.14	1.86	
2496.00	7.220	187.640	2488.75	-142.82	-142.95	-23.18	687631.82	446148.06	32°13'30.438"N	103°43'35.677"W	0.22	0.21	0.55	
2591.00	6.910	186.420	2583.03	-154.41	-154.54	-24.62	687630.39	446136.47	32°13'30.323"N	103°43'35.694"W	0.36	-0.33	-1.28	
2686.00	6.790	183.960	2677.36	-165.68	-165.82	-25.64	687629.36	446125.18	32°13'30.212"N	103°43'35.707"W	0.33	-0.13	-2.59	





# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 3 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
2781.00	6.780	184.210	2771.69	-176.87	-177.02	-26.44	687628.56	446113.99	32°13'30.101"N	103°43'35.717"W	0.03	-0.01	0.26	
2877.00	6.700	187.490	2867.03	-188.07	-188.22	-27.59	687627.41	446102.79	32°13'29.990"N	103°43'35.731"W	0.41	-0.08	3.42	
2971.00	6.350	189.920	2960.42	-198.62	-198.78	-29.20	687625.80	446092.23	32°13'29.886"N	103°43'35.750"W	0.47	-0.37	2.59	
3066.00	5.940	187.990	3054.87	-208.65	-208.82	-30.79	687624.01	446082.19	32°13'29.787"N	103°43'35.769"W	0.48	-0.43	-2.03	
3162.00	5.780	197.240	3150.37	-218.18	-218.36	-32.91	687622.29	446072.65	32°13'29.692"N	103°43'35.795"W	1.00	-0.17	9.64	
3257.00	5.320	199.460	3244.93	-226.88	-227.08	-35.80	687619.21	446063.93	32°13'29.606"N	103°43'35.829"W	0.53	-0.48	2.34	
3352.00	4.880	199.700	3339.55	-234.83	-235.04	-38.62	687616.38	446055.97	32°13'29.528"N	103°43'35.862"W	0.46	-0.46	0.25	
3448.00	5.280	193.660	3435.17	-242.95	-243.17	-41.04	687613.96	446047.84	32°13'29.447"N	103°43'35.891"W	0.70	0.42	-6.29	
3543.00	5.390	191.340	3529.76	-251.56	-251.80	-42.95	687612.05	446039.22	32°13'29.362"N	103°43'35.914"W	0.25	0.12	-2.44	
3638.00	4.840	193.150	3624.38	-259.83	-260.07	-44.74	687610.26	446030.94	32°13'29.280"N	103°43'35.935"W	0.60	-0.58	1.91	
3734.00	5.060	191.570	3720.03	-267.91	-268.17	-46.51	687608.49	446022.85	32°13'29.200"N	103°43'35.956"W	0.27	0.23	-1.65	
3829.00	5.150	191.180	3814.65	-276.19	-276.45	-48.18	687606.82	446014.56	32°13'29.118"N	103°43'35.976"W	0.10	0.09	-0.41	
3924.00	4.440	189.840	3909.32	-283.99	-284.26	-49.64	687605.37	446006.76	32°13'29.041"N	103°43'35.994"W	0.76	-0.75	-1.41	
4020.00	5.440	184.640	4004.96	-292.18	-292.46	-50.64	687604.36	445998.56	32°13'28.960"N	103°43'36.006"W	1.14	1.04	-5.42	
4115.00	5.620	187.010	4099.52	-301.28	-301.56	-51.57	687603.43	445989.45	32°13'28.870"N	103°43'36.017"W	0.31	0.19	2.49	
4210.00	5.850	187.330	4194.04	-310.69	-310.98	-52.76	687602.25	445980.04	32°13'28.777"N	103°43'36.032"W	0.24	0.24	0.34	
4306.00	6.660	193.210	4289.47	-320.95	-321.25	-54.65	687600.35	445969.76	32°13'28.675"N	103°43'36.052"W	1.07	0.84	6.12	
4402.00	6.130	195.180	4384.87	-331.30	-331.62	-57.27	687597.74	445959.40	32°13'28.573"N	103°43'36.086"W	0.60	-0.55	2.05	
4498.00	3.200	207.120	4480.55	-338.62	-338.95	-59.83	687595.17	445952.07	32°13'28.501"N	103°43'36.116"W	3.20	-3.05	12.44	
4576.00	2.520	344.210	4558.50	-338.90	-339.24	-61.29	687593.71	445951.78	32°13'28.498"N	103°43'36.133"W	6.83	-0.87	175.76	SLB MWD 166-4576'
4704.00	5.160	1.640	4686.21	-330.44	-330.78	-61.89	687593.11	445960.24	32°13'28.582"N	103°43'36.139"W	2.23	2.06	13.62	
4800.00	4.770	342.900	4781.85	-322.30	-322.65	-62.94	687592.06	445968.37	32°13'28.662"N	103°43'36.151"W	1.73	-0.41	-19.52	
4896.00	4.280	320.410	4877.56	-315.71	-316.07	-66.40	687588.60	445974.95	32°13'28.727"N	103°43'36.191"W	1.90	-0.51	-23.43	
4991.00	4.590	290.200	4972.29	-311.63	-312.03	-72.23	687582.78	445978.99	32°13'28.768"N	103°43'36.259"W	2.45	0.33	-31.80	
5087.00	5.240	282.820	5067.94	-309.29	-309.73	-80.11	687574.90	445981.29	32°13'28.791"N	103°43'36.350"W	0.94	0.68	-7.69	
5180.00	5.340	283.690	5160.54	-307.28	-307.76	-88.45	687566.55	445983.26	32°13'28.811"N	103°43'36.447"W	0.14	0.11	0.94	
5276.00	5.410	283.270	5256.12	-305.13	-305.66	-97.20	687557.81	445985.35	32°13'28.832"N	103°43'36.549"W	0.08	0.07	-0.44	
5371.00	5.430	281.340	5350.70	-303.17	-303.75	-105.96	687549.04	445987.26	32°13'28.852"N	103°43'36.651"W	0.19	0.02	-2.03	
5466.00	4.070	276.040	5445.37	-301.89	-302.51	-113.72	687541.28	445988.50	32°13'28.864"N	103°43'36.741"W	1.50	-1.43	-5.58	
5562.00	1.890	281.450	5541.23	-301.19	-301.84	-118.66	687536.34	445989.18	32°13'28.871"N	103°43'36.798"W	2.29	-2.27	5.64	



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
5657.00	1.350	323.030	5636.20	-299.98	-300.64	-120.87	687534.13	445990.38	32°13'28.883"N	103°43'36.824"W	1.32	-0.57	43.77	
5753.00	0.620	232.940	5732.19	-299.38	-300.04	-121.97	687533.04	445990.97	32°13'28.889"N	103°43'36.837"W	1.55	-0.76	-93.84	
5848.00	1.130	215.980	5827.18	-300.44	-301.11	-122.93	687532.08	445989.90	32°13'28.879"N	103°43'36.848"W	0.60	0.54	-17.85	
5944.00	0.220	102.250	5923.17	-301.25	-301.92	-123.30	687531.28	445989.10	32°13'28.871"N	103°43'36.852"W	1.29	-0.95	-118.47	
6039.00	0.480	81.220	6018.17	-301.23	-301.90	-122.73	687532.70	445989.12	32°13'28.871"N	103°43'36.846"W	0.30	0.27	-22.14	
6135.00	0.520	72.540	6114.16	-301.04	-301.70	-121.92	687533.09	445989.31	32°13'28.873"N	103°43'36.836"W	0.09	0.04	-9.04	
6229.00	0.560	69.100	6208.16	-300.75	-301.41	-121.08	687533.92	445989.60	32°13'28.876"N	103°43'36.827"W	0.05	0.04	-3.66	
6324.00	0.660	76.080	6303.15	-300.46	-301.11	-120.12	687534.89	445989.90	32°13'28.878"N	103°43'36.815"W	0.13	0.11	7.35	
6419.00	0.130	47.730	6398.15	-300.26	-300.91	-119.51	687535.50	445990.11	32°13'28.880"N	103°43'36.808"W	0.58	-0.56	-29.84	
6514.00	0.180	55.020	6493.15	-300.10	-300.75	-119.30	687535.70	445990.26	32°13'28.882"N	103°43'36.806"W	0.06	0.05	7.67	
6609.00	0.250	114.570	6588.15	-300.10	-300.75	-118.99	687536.01	445990.26	32°13'28.882"N	103°43'36.802"W	0.23	0.07	62.68	
6704.00	0.180	114.480	6683.15	-300.25	-300.90	-118.67	687536.34	445990.12	32°13'28.880"N	103°43'36.798"W	0.07	-0.07	-0.09	
6799.00	0.220	122.790	6778.15	-300.42	-301.06	-118.38	687536.63	445989.95	32°13'28.879"N	103°43'36.795"W	0.05	0.04	8.75	
6894.00	0.420	267.580	6873.15	-300.53	-301.17	-118.58	687536.43	445989.84	32°13'28.878"N	103°43'36.797"W	0.65	0.21	152.41	
6989.00	0.820	262.070	6968.14	-300.63	-301.28	-119.60	687535.41	445989.73	32°13'28.877"N	103°43'36.809"W	0.43	0.42	-5.80	
7083.00	0.820	262.190	7062.13	-300.81	-301.47	-120.93	687534.08	445989.55	32°13'28.875"N	103°43'36.825"W	0.00	0.00	0.13	
7179.00	0.750	261.870	7158.12	-300.98	-301.65	-122.23	687532.78	445989.37	32°13'28.873"N	103°43'36.840"W	0.07	-0.07	-0.33	
7275.00	0.750	245.220	7254.12	-301.33	-302.00	-123.42	687531.58	445989.01	32°13'28.870"N	103°43'36.854"W	0.23	0.00	-17.34	
7370.00	0.830	237.520	7349.11	-301.95	-302.63	-124.57	687530.44	445988.38	32°13'28.864"N	103°43'36.867"W	0.14	0.08	-8.11	
7466.00	1.000	239.630	7445.09	-302.74	-303.43	-125.88	687529.13	445987.59	32°13'28.856"N	103°43'36.882"W	0.18	0.18	2.20	
7561.00	0.930	240.700	7540.08	-303.53	-304.23	-127.27	687527.74	445986.79	32°13'28.848"N	103°43'36.899"W	0.08	-0.07	1.13	
7657.00	1.000	230.080	7636.07	-304.44	-305.14	-128.59	687526.42	445985.87	32°13'28.839"N	103°43'36.914"W	0.20	0.07	-11.06	
7752.00	0.960	236.890	7731.05	-305.40	-306.11	-129.89	687525.12	445984.91	32°13'28.830"N	103°43'36.929"W	0.13	-0.04	7.17	
7848.00	1.110	230.510	7827.04	-306.43	-307.14	-131.28	687523.73	445983.87	32°13'28.819"N	103°43'36.946"W	0.20	0.16	-6.65	
7943.00	0.990	229.960	7922.02	-307.53	-308.25	-132.62	687522.39	445982.76	32°13'28.808"N	103°43'36.961"W	0.13	-0.13	-0.58	
8039.00	0.890	232.580	8018.01	-308.51	-309.24	-133.85	687521.16	445981.78	32°13'28.799"N	103°43'36.976"W	0.11	-0.10	2.73	
8134.00	0.950	227.090	8113.00	-309.49	-310.23	-135.01	687520.00	445980.79	32°13'28.789"N	103°43'36.989"W	0.11	0.06	-5.78	
8229.00	0.920	231.360	8207.98	-310.50	-311.24	-136.18	687518.83	445979.78	32°13'28.779"N	103°43'37.003"W	0.08	-0.03	4.49	
8324.00	0.970	231.180	8302.97	-311.47	-312.22	-137.40	687517.60	445978.80	32°13'28.770"N	103°43'37.017"W	0.05	0.05	-0.19	
8420.00	0.940	218.750	8398.96	-312.59	-313.34	-138.53	687516.48	445977.67	32°13'28.758"N	103°43'37.030"W	0.22	-0.03	-12.95	



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 5 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
8479.00	0.790	214.160	8457.95	-313.30	-314.06	-139.06	687515.95	445976.96	32°13'28.751"N	103°43'37.037"W	0.28	-0.25	-7.78	
8608.00	0.500	223.600	8566.94	-314.44	-315.20	-139.95	687515.06	445975.82	32°13'28.740"N	103°43'37.047"W	0.24	-0.22	-7.32	
8703.00	3.060	22.790	8681.90	-312.40	-313.16	-139.25	687515.75	445977.86	32°13'28.760"N	103°43'37.039"W	3.72	2.69	167.57	
8799.00	13.850	57.500	8776.76	-303.90	-304.60	-128.53	687526.47	445986.42	32°13'28.844"N	103°43'36.913"W	11.94	11.24	36.16	
8894.00	24.330	53.200	8866.41	-286.15	-286.71	-103.20	687551.80	446004.30	32°13'29.020"N	103°43'36.617"W	11.12	11.03	-4.53	
8990.00	34.300	36.110	8950.16	-252.48	-252.87	-71.29	687583.71	446038.14	32°13'29.353"N	103°43'36.244"W	13.47	10.39	-17.80	
9086.00	40.130	17.410	9026.82	-201.04	-201.29	-45.99	687609.01	446089.72	32°13'29.862"N	103°43'35.946"W	13.20	6.07	-19.48	
9181.00	49.080	9.810	9094.44	-136.36	-136.53	-30.67	687624.33	446154.48	32°13'30.502"N	103°43'35.763"W	10.96	9.42	-8.00	
9275.00	56.880	7.410	9151.00	-62.27	-62.38	-19.53	687635.48	446228.62	32°13'31.235"N	103°43'35.629"W	8.54	8.30	-2.55	
<b>9370.00</b>	<b>66.320</b>	<b>6.130</b>	<b>9196.13</b>	<b>20.57</b>	<b>20.51</b>	<b>-9.73</b>	<b>687645.27</b>	<b>446311.51</b>	<b>32°13'32.055"N</b>	<b>103°43'35.509"W</b>	<b>10.01</b>	<b>9.94</b>	<b>-1.35</b>	
9466.00	74.290	3.400	9228.46	110.52	110.51	-2.28	687652.72	446401.50	32°13'32.945"N	103°43'35.417"W	8.72	8.30	-2.84	
9561.00	80.350	0.060	9249.31	203.09	203.09	0.48	687655.48	446494.08	32°13'33.861"N	103°43'35.378"W	7.24	6.38	-3.52	
9656.00	87.320	359.140	9259.51	297.48	297.48	-0.18	687654.82	446588.46	32°13'34.795"N	103°43'35.380"W	7.40	7.34	-0.97	
9751.00	87.200	358.940	9264.05	392.36	392.36	-1.77	687653.23	446683.34	32°13'35.734"N	103°43'35.392"W	0.25	-0.13	-0.21	
9847.00	87.140	358.520	9268.79	488.23	488.22	-3.89	687651.11	446779.19	32°13'36.683"N	103°43'35.411"W	0.44	-0.06	-0.44	
9942.00	87.840	359.980	9272.95	583.13	583.11	-5.14	687649.86	446874.08	32°13'37.622"N	103°43'35.419"W	1.70	0.74	1.54	
10037.00	90.340	0.490	9274.46	678.11	678.09	-4.75	687650.25	446969.06	32°13'38.562"N	103°43'35.408"W	2.69	2.63	0.54	
10133.00	89.690	0.110	9274.43	774.10	774.09	-4.24	687650.76	447065.05	32°13'39.511"N	103°43'35.396"W	0.78	-0.68	-0.40	
10229.00	90.090	359.370	9274.62	870.10	870.09	-4.68	687650.32	447161.04	32°13'40.461"N	103°43'35.395"W	0.88	0.42	-0.77	
10324.00	90.180	359.490	9274.40	965.10	965.08	-5.62	687649.38	447256.03	32°13'41.401"N	103°43'35.399"W	0.16	0.09	0.13	
10420.00	89.380	358.850	9274.76	1061.10	1061.07	-7.01	687647.99	447352.02	32°13'42.351"N	103°43'35.409"W	1.07	-0.83	-0.67	
10515.00	88.770	358.920	9276.30	1156.07	1156.04	-8.86	687646.14	447446.98	32°13'43.291"N	103°43'35.424"W	0.65	-0.64	0.07	
10611.00	89.510	359.610	9277.74	1252.06	1252.02	-10.09	687644.91	447542.96	32°13'44.241"N	103°43'35.432"W	1.05	0.77	0.72	
10706.00	90.830	359.660	9277.46	1347.06	1347.02	-10.70	687644.30	447637.95	32°13'45.181"N	103°43'35.433"W	1.39	1.39	0.05	
10801.00	90.220	359.310	9276.59	1442.05	1442.01	-11.55	687643.45	447732.93	32°13'46.121"N	103°43'35.437"W	0.74	-0.64	-0.37	
10896.00	90.550	359.360	9275.95	1537.05	1537.00	-12.66	687642.34	447827.92	32°13'47.061"N	103°43'35.444"W	0.35	0.35	0.05	
10991.00	90.620	359.600	9274.98	1632.04	1631.99	-13.52	687641.48	447922.91	32°13'48.001"N	103°43'35.447"W	0.26	0.07	0.25	
11087.00	90.250	359.360	9274.25	1728.04	1727.98	-14.39	687640.61	448018.89	32°13'48.951"N	103°43'35.451"W	0.46	-0.39	-0.25	
11182.00	90.310	359.120	9273.78	1823.03	1822.97	-15.65	687639.35	448113.88	32°13'49.891"N	103°43'35.460"W	0.26	0.06	-0.25	
11278.00	90.090	359.120	9273.45	1919.03	1918.96	-17.12	687637.88	448209.86	32°13'50.841"N	103°43'35.470"W	0.23	-0.23	0.00	



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 6 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
11373.00	89.600	359.040	9273.71	2014.02	2013.95	-18.65	687636.35	448304.84	32°13'51.781"N	103°43'35.482"W	0.52	-0.52	-0.08	
11468.00	90.250	359.250	9273.83	2109.02	2108.94	-20.07	687634.93	448399.83	32°13'52.721"N	103°43'35.492"W	0.72	0.68	0.22	
11563.00	91.020	0.050	9272.78	2204.01	2203.93	-20.65	687634.35	448494.81	32°13'53.661"N	103°43'35.493"W	1.17	0.81	0.84	
11658.00	92.280	0.600	9270.04	2298.96	2298.89	-20.11	687634.89	448589.77	32°13'54.601"N	103°43'35.480"W	1.45	1.33	0.58	
11754.00	92.340	0.370	9266.17	2394.87	2394.81	-19.30	687635.61	448685.68	32°13'55.550"N	103°43'35.464"W	0.25	0.06	-0.24	
11850.00	92.800	0.710	9261.87	2490.77	2490.70	-18.39	687636.61	448781.57	32°13'56.499"N	103°43'35.448"W	0.60	0.48	0.35	
11944.00	92.030	0.010	9257.91	2584.68	2584.62	-17.80	687637.20	448875.48	32°13'57.428"N	103°43'35.435"W	1.11	-0.82	-0.74	
12040.00	91.290	0.120	9255.13	2680.63	2680.58	-17.69	687637.31	448971.44	32°13'58.377"N	103°43'35.427"W	0.78	-0.77	0.11	
12136.00	90.890	0.240	9253.30	2776.61	2776.56	-17.39	687637.61	449067.41	32°13'59.327"N	103°43'35.417"W	0.44	-0.42	0.13	
12231.00	89.780	0.050	9252.74	2871.61	2871.55	-17.15	687637.85	449162.40	32°14'00.267"N	103°43'35.408"W	1.19	-1.17	-0.20	
12326.00	89.780	0.560	9253.11	2966.60	2966.55	-16.65	687638.35	449257.40	32°14'01.207"N	103°43'35.396"W	0.54	0.00	0.54	
12422.00	89.230	0.350	9253.94	3062.59	3062.55	-15.88	687639.12	449353.38	32°14'02.157"N	103°43'35.381"W	0.61	-0.57	-0.22	
12517.00	89.630	359.110	9254.88	3157.58	3157.54	-16.33	687638.67	449448.37	32°14'03.097"N	103°43'35.380"W	1.37	0.42	-1.31	
12612.00	89.750	358.850	9255.40	3252.57	3252.52	-18.02	687636.98	449543.35	32°14'04.037"N	103°43'35.393"W	0.30	0.13	-0.27	
12707.00	89.600	359.260	9255.94	3347.56	3347.51	-19.59	687635.41	449638.33	32°14'04.977"N	103°43'35.405"W	0.46	-0.16	0.43	
12802.00	89.660	359.440	9256.55	3442.56	3442.50	-20.67	687634.33	449733.32	32°14'05.917"N	103°43'35.411"W	0.20	0.06	0.19	
12897.00	89.480	359.240	9257.26	3537.56	3537.49	-21.76	687633.24	449828.30	32°14'06.857"N	103°43'35.418"W	0.28	-0.19	-0.21	
12992.00	90.000	358.910	9257.69	3632.55	3632.48	-23.30	687631.71	449923.28	32°14'07.797"N	103°43'35.430"W	0.65	0.55	-0.35	
13087.00	89.910	359.370	9257.77	3727.54	3727.46	-24.72	687630.28	450018.27	32°14'08.737"N	103°43'35.440"W	0.49	-0.09	0.18	
13182.00	90.310	359.480	9257.59	3822.54	3822.46	-25.67	687629.81	450113.26	32°14'09.677"N	103°43'35.445"W	0.44	0.42	0.42	
13277.00	90.920	359.900	9256.57	3917.54	3917.45	-26.19	687628.83	450208.25	32°14'10.617"N	103°43'35.445"W	0.78	0.64	0.44	
13372.00	90.060	359.240	9255.75	4012.53	4012.44	-26.90	687628.10	450303.23	32°14'11.557"N	103°43'35.447"W	1.14	-0.91	-0.69	
13468.00	90.030	359.210	9255.68	4108.53	4108.44	-28.20	687626.80	450399.22	32°14'12.507"N	103°43'35.455"W	0.04	-0.03	-0.03	
13563.00	90.680	358.940	9255.09	4203.52	4203.42	-29.73	687625.27	450494.20	32°14'13.447"N	103°43'35.467"W	0.74	0.68	-0.28	
13658.00	90.120	359.810	9254.43	4298.51	4298.41	-30.77	687624.23	450589.19	32°14'14.387"N	103°43'35.473"W	1.09	-0.59	0.92	
13754.00	90.250	359.430	9254.12	4394.51	4394.41	-31.41	687623.60	450685.18	32°14'15.337"N	103°43'35.474"W	0.42	0.14	-0.40	
13849.00	90.580	359.230	9253.43	4489.51	4489.40	-32.52	687622.48	450780.16	32°14'16.277"N	103°43'35.481"W	0.41	0.35	-0.21	
13944.00	90.490	359.390	9252.54	4584.50	4584.39	-33.66	687621.34	450875.15	32°14'17.217"N	103°43'35.488"W	0.19	-0.09	0.17	
14039.00	90.060	359.450	9252.09	4679.50	4679.38	-34.62	687620.38	450970.14	32°14'18.157"N	103°43'35.493"W	0.46	-0.45	0.06	
14134.00	91.450	1.550	9250.83	4774.48	4774.36	-33.79	687621.21	451065.11	32°14'19.097"N	103°43'35.477"W	2.65	1.46	2.21	





# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 7 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
14229.00	90.520	359.730	9249.20	4869.44	4869.34	-32.73	687622.27	451160.08	32°14'20.037"N	103°43'35.458"W	2.15	-0.98	-1.92	
14324.00	89.350	359.850	9249.31	4964.44	4964.33	-33.08	687621.92	451255.07	32°14'20.977"N	103°43'35.456"W	1.24	-1.23	0.13	
14419.00	90.340	0.210	9249.57	5059.44	5059.33	-33.03	687621.97	451350.07	32°14'21.917"N	103°43'35.449"W	1.11	1.04	0.38	
14515.00	89.660	0.410	9249.57	5155.43	5155.33	-32.51	687622.49	451446.06	32°14'22.867"N	103°43'35.437"W	0.74	-0.71	0.21	
14610.00	89.850	0.640	9249.97	5250.42	5250.33	-31.64	687623.36	451541.05	32°14'23.807"N	103°43'35.420"W	0.31	0.20	0.24	
14705.00	89.720	0.410	9250.33	5345.41	5345.32	-30.77	687624.23	451636.04	32°14'24.747"N	103°43'35.404"W	0.28	-0.14	-0.24	
14800.00	91.940	0.830	9248.95	5440.38	5440.30	-29.74	687625.26	451731.01	32°14'25.686"N	103°43'35.386"W	2.38	2.34	0.44	
14896.00	89.880	0.970	9247.43	5536.34	5536.27	-28.24	687626.77	451826.98	32°14'26.636"N	103°43'35.362"W	2.15	-2.15	0.15	
14991.00	89.380	358.210	9248.04	5631.33	5631.26	-28.92	687626.09	451921.96	32°14'27.576"N	103°43'35.364"W	2.95	-0.53	-2.91	
15087.00	89.420	358.860	9249.05	5727.31	5727.22	-31.37	687623.63	452017.92	32°14'28.526"N	103°43'35.386"W	0.68	0.04	0.68	
15183.00	90.520	359.170	9249.10	5823.30	5823.20	-33.02	687621.98	452113.90	32°14'29.475"N	103°43'35.399"W	1.19	1.15	0.32	
15278.00	89.850	359.260	9248.79	5918.29	5918.19	-34.32	687620.68	452208.88	32°14'30.416"N	103°43'35.408"W	0.71	-0.71	0.09	
15374.00	89.510	359.590	9249.33	6014.29	6014.19	-35.29	687619.72	452304.87	32°14'31.365"N	103°43'35.413"W	0.49	-0.35	0.34	
15469.00	89.110	359.390	9250.47	6109.28	6109.18	-36.13	687618.87	452399.86	32°14'32.305"N	103°43'35.416"W	0.47	-0.42	-0.21	
15564.00	89.140	359.400	9251.92	6204.27	6204.16	-37.13	687617.87	452494.83	32°14'33.245"N	103°43'35.422"W	0.03	0.03	0.01	
15660.00	89.260	359.340	9253.26	6300.26	6300.14	-38.19	687616.81	452590.81	32°14'34.195"N	103°43'35.428"W	0.14	0.13	-0.06	
15755.00	89.110	359.410	9254.61	6395.25	6395.13	-39.23	687615.78	452685.79	32°14'35.135"N	103°43'35.433"W	0.17	-0.16	0.07	
15850.00	89.420	359.610	9255.83	6490.24	6490.12	-40.04	687614.96	452780.78	32°14'36.075"N	103°43'35.437"W	0.39	0.33	0.21	
15946.00	92.440	0.590	9254.27	6586.21	6586.09	-39.87	687615.13	452876.75	32°14'37.025"N	103°43'35.428"W	3.31	3.15	1.02	
16014.00	90.490	0.150	9252.54	6654.18	6654.07	-39.43	687615.57	452944.72	32°14'37.697"N	103°43'35.419"W	2.94	-2.87	-0.65	
16110.00	89.970	359.340	9252.15	6750.18	6750.06	-39.86	687615.14	453040.71	32°14'38.647"N	103°43'35.417"W	1.00	-0.54	-0.84	
16206.00	94.720	359.990	9248.22	6846.07	6845.95	-40.42	687614.58	453136.59	32°14'39.596"N	103°43'35.418"W	4.99	4.95	0.68	
16301.00	93.420	359.900	9241.48	6940.83	6940.71	-40.51	687614.49	453231.35	32°14'40.534"N	103°43'35.412"W	1.37	-1.37	-0.09	
16396.00	90.740	0.560	9238.03	7035.75	7035.64	-40.13	687614.87	453326.27	32°14'41.473"N	103°43'35.402"W	2.91	-2.82	0.69	
16491.00	91.390	1.650	9236.27	7130.71	7130.60	-38.30	687616.70	453421.23	32°14'42.413"N	103°43'35.374"W	1.34	0.68	1.15	
16586.00	91.390	359.930	9233.96	7225.66	7225.56	-36.99	687618.01	453516.18	32°14'43.352"N	103°43'35.353"W	1.81	0.00	-1.81	
16681.00	92.560	359.410	9230.69	7320.60	7320.50	-37.54	687617.47	453611.12	32°14'44.292"N	103°43'35.353"W	1.35	1.23	-0.55	
16776.00	91.450	358.970	9227.36	7415.53	7415.43	-38.88	687616.12	453706.04	32°14'45.231"N	103°43'35.362"W	1.26	-1.17	-0.46	
16872.00	91.080	358.730	9225.25	7511.50	7511.39	-40.80	687614.20	453802.00	32°14'46.181"N	103°43'35.378"W	0.46	-0.39	-0.25	
16967.00	91.050	358.370	9223.48	7606.47	7606.34	-43.21	687611.79	453896.94	32°14'47.121"N	103°43'35.400"W	0.38	-0.03	-0.38	



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## 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
17062.00	91.880	359.020	9221.05	7701.42	7701.29	-45.37	687609.63	453991.88	32°14'48.060"N	103°43'35.419"W	1.11	0.87	0.68	
17157.00	92.470	359.020	9217.45	7796.34	7796.20	-46.99	687608.01	454086.79	32°14'49.000"N	103°43'35.432"W	0.62	0.62	0.00	
17253.00	92.650	359.180	9213.16	7892.24	7892.10	-48.50	687606.50	454182.68	32°14'49.949"N	103°43'35.443"W	0.25	0.19	0.17	
17348.00	91.660	358.950	9209.59	7987.17	7987.01	-50.05	687604.95	454277.54	32°14'50.888"N	103°43'35.455"W	1.07	-1.04	-0.24	
17444.00	91.760	359.430	9206.72	8083.12	8082.96	-51.41	687603.60	454373.59	32°14'51.837"N	103°43'35.464"W	0.51	0.10	0.50	
17539.00	89.820	359.310	9205.41	8178.11	8177.94	-52.45	687602.55	454468.51	32°14'52.777"N	103°43'35.470"W	2.05	-2.04	-0.13	
17635.00	90.060	359.400	9205.51	8274.10	8273.94	-53.53	687601.47	454564.50	32°14'53.727"N	103°43'35.476"W	0.27	0.25	0.09	
17730.00	91.910	2.170	9203.88	8369.06	8368.90	-52.23	687602.77	454659.46	32°14'54.667"N	103°43'35.455"W	3.51	1.95	2.92	
17826.00	92.560	0.410	9200.11	8464.94	8464.80	-50.07	687604.93	454755.35	32°14'55.616"N	103°43'35.423"W	1.96	0.71	-1.83	
17921.00	95.030	359.370	9193.80	8559.73	8559.58	-50.25	687604.75	454850.13	32°14'56.554"N	103°43'35.419"W	2.79	2.57	-1.09	
18017.00	92.220	359.280	9187.73	8655.52	8655.37	-51.38	687603.62	454945.92	32°14'57.502"N	103°43'35.426"W	2.93	-2.93	-0.09	
18114.00	92.000	359.740	9184.16	8752.46	8752.30	-52.21	687602.79	455042.84	32°14'58.461"N	103°43'35.429"W	0.53	-0.23	0.47	
18210.00	90.890	359.460	9181.74	8848.42	8848.27	-52.88	687602.12	455138.80	32°14'59.410"N	103°43'35.431"W	1.19	-1.16	-0.29	
18305.00	89.010	358.900	9181.82	8943.41	8943.25	-54.24	687600.76	455233.78	32°15'00.350"N	103°43'35.440"W	2.06	-1.98	-0.59	
18400.00	87.070	358.700	9185.07	9038.34	9038.17	-56.23	687598.78	455328.70	32°15'01.290"N	103°43'35.457"W	2.05	-2.04	-0.21	
18496.00	89.600	1.120	9187.86	9134.29	9134.12	-56.38	687598.63	455424.64	32°15'02.239"N	103°43'35.453"W	3.65	2.64	2.52	
18591.00	90.460	1.830	9187.81	9229.24	9229.08	-53.93	687601.07	455519.60	32°15'03.179"N	103°43'35.418"W	1.17	0.91	0.75	
18687.00	89.380	1.180	9187.94	9325.19	9325.05	-51.41	687603.59	455615.56	32°15'04.128"N	103°43'35.382"W	1.31	-1.12	-0.68	
18782.00	88.830	0.270	9189.42	9420.03	9420.03	-50.21	687604.79	455710.53	32°15'05.068"N	103°43'35.362"W	1.12	-0.58	-0.96	
18877.00	88.120	359.800	9191.95	9515.12	9514.99	-50.15	687604.85	455805.49	32°15'06.008"N	103°43'35.355"W	0.90	-0.75	-0.49	
18973.00	87.690	359.620	9195.46	9611.06	9610.93	-50.64	687604.37	455901.42	32°15'06.957"N	103°43'35.355"W	0.49	-0.45	-0.19	
19068.00	89.510	0.120	9197.78	9706.03	9705.89	-50.85	687604.15	455996.38	32°15'07.897"N	103°43'35.351"W	1.99	-1.92	0.53	
19164.00	89.630	359.900	9198.50	9802.02	9801.89	-50.83	687604.17	456092.38	32°15'08.847"N	103°43'35.344"W	0.26	0.12	-0.23	
19259.00	89.880	0.390	9198.91	9897.02	9896.89	-50.59	687604.41	456187.37	32°15'09.787"N	103°43'35.335"W	0.58	0.26	0.52	
19354.00	89.720	0.250	9199.24	9992.01	9991.89	-50.06	687604.94	456282.36	32°15'10.727"N	103°43'35.323"W	0.22	-0.17	-0.15	
19450.00	89.780	359.970	9199.66	10088.01	10087.89	-49.88	687605.12	456378.36	32°15'11.677"N	103°43'35.314"W	0.30	0.06	-0.29	
19505.00	89.450	0.230	9200.03	10143.01	10142.88	-49.78	687605.22	456433.35	32°15'12.221"N	103°43'35.310"W	0.76	-0.60	0.47	BH MWD 4704-19505
19530.00	89.450	0.230	9200.27	10168.00	10167.88	-49.68	687605.32	456458.35	32°15'12.468"N	103°43'35.307"W	0.00	0.00	0.00	Projection to bit 19530



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

TARGETS									
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
SND 12 01 FED 003 2H FTP	9260.00	-267.01	-17.00	687638.00	446024.00	32°13'29.210"N	103°43'35.613"W	point	
SND 12 01 FED 003 2H LTP	9260.00	10097.53	-74.00	687581.00	456388.00	32°15'11.773"N	103°43'35.595"W	point	
SND 12 01 FED 003 2H MP	9260.00	4915.26	-46.00	687609.00	451206.00	32°14'20.492"N	103°43'35.610"W	point	
SND 12 01 FED 003 2H PBHL	9260.00	10172.53	-74.00	687581.00	456463.00	32°15'12.516"N	103°43'35.590"W	rectangle	

WELLPATH COMPOSITION - Ref Wellbore: SND 12 01 FED 003 No. 2H AWB Ref Wellpath: SND 12 01 FED 003 No. 2H_awp									
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore					
28.00	4576.00	ISCWSA MWD, Rev. 4 (Standard)	SLB MWD 166-4576'	SND 12 01 FED 003 No. 2H AWB					
4576.00	19505.00	BH NavITrak (Axial)	BH MWD 4704-19505	SND 12 01 FED 003 No. 2H AWB					
19505.00	19530.00	Blind Drilling (std)	Projection to bit	SND 12 01 FED 003 No. 2H AWB					



# Actual Wellpath Report

SND 12 01 FED 003 No. 2H\_awp  
Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SND 12 01 FED 003 No. 2H
Area	Eddy County, NM	Well	SND 12 01 FED 003 No. 2H
Field	Purple Sage, Wolfcamp (Eddy Co., NM) NAD 27	Wellbore	SND 12 01 FED 003 No. 2H AWB
Facility	SND 12 01 FED 003		

## COMMENTS

Wellpath general comments	
Well:	SND 12 01 FED 003 2H
Field:	Wolfcamp
Rig:	Patterson 816
Location:	Eddy Co., NM
API:	30-015-45421
Latitude:	032° 13' 31.851" N
Longitude:	103° 43' 35.397" W
DF Elevation:	3607.00 ft
Elev. GL:	3579.00 ft
DF:	28.00 ft
Proposed Direction:	359.69
PBHL:	19530 feet
Duration:	08/19/2019-09/11/2019
FSE's:	Remote Ops
SO#:	109971121
SLB MWD:	166'-4576'
BH MWD:	4704'-19505
Projection:	to bit 19530