

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or recomplete an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM119754

6. Landman, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
CB SE 5 32 FED COM 11H2. Name of Operator
CHEVRON USA INCORPORATEDContact: LAURA BECERRA
E-Mail: LBECERRA@CHEVRON.COM9. API Well No.
30-015-44637-00-X13a. Address
6301 DEAUVILLE BLVD
MIDLAND, TX 797063b. Phone No. (include area code)
Ph: 432-687-766510. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T24S R29E SESE 379FSL 1300FEL
32.240524 N Lat, 104.002266 W Lon

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Spud Dt: 3/15/2018 - Notified Mandel Canal @ BLM on 3/12/18. Drill 17.5" surface hole to 462'.
Notified Mandel Canal @ BLM of intent to run and cement surface casing. Run 13-3/8" 54.5#, J-55 casing to 452'; float collar @ 408', Float shoe @ 452'.

3/16/18-Cement in place w Lead: Class C, 325 sacks, Yld: 1.36/sacks, Dens: 14.80#/gal, Vol: 115 bbl, 53 bbls cement to surface.

5/7/18-5/17/18-Test surface casing 1911 PSI for 30 min, test good. TOC: 406'. Drill 12-1/4" intermediate hole to 6,805'.

5/17/18-Notified Michael Valiett @ BLM of intent to run and cement intermediate casing.

RECEIVED

SEP 07 2018

DISTRICT II-ARTESIA O.C.D.

9-10-18 GC
Accepted for record - NMOC

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #432383 verified by the BLM Well Information System
For CHEVRON USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 08/29/2018 (18PP2539SE)

Name (Printed/Typed) LAURA BECERRA

Title PERMITTING SPECIALIST

Signature (Electronic Submission)

Date 08/22/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

SEP 04 2018

/s/ Jonathon Shepard

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #432383 that would not fit on the form

32. Additional remarks, continued

5/20/18-Run 9-5/8" 43.5# L-80 LTC casing to 6,785', DV Tool @ 2,770', float collar @ 6,744', float shoe @ 6,785'.

5/21/18-Cement in place, Stage 1:Lead w/Class C, 840 sacks, Yld:2.58/sack, Dens:11.90#/gal, Vol:386 bbl and Tail:Class C, 380 sacks, Yld:1.34/sack, Dens: 14.80#/gal, Vol:91 bbl. Stage 2:Lead w/Class C, 630 sacks, Yld:2.55/sack, Dens: 11.90#/gal, Vol:286 bbl and Tail:Class C, 385 sacks, Yld:1.33/sack, Dens: 14.80#/gal, Vol:91 bbl, no cement to surface. WOC 7 hrs.

5/24/18-5/29/18 - TOC: 6,699'. Test intermediate casing to 4,431 PSI for 30 min, good test. Drill 8-1/2" hole to 9,473'. Notified BLM of intent to run and cement liner (17:00hrs)

5/30/18 - Run 7-5/8" 29.70# P-110 Wedge 513 liner to 9,471', float collar @ 9,425', float shoe @ 9,471'.

6/1/18-Cement liner in place, Class H, 250 sacks, Yld:1.20/sack, Dens:15.6#/gal, Vol:53 bbl. WOC for 5 hrs.

6/4/18-Test liner to 3,160 PSI for 30 min, good test.

6/5/18-Drill 6-3/4" hole to 9,483'

6/7/18-Cement squeeze job: Class H, 190 sacks, Yld:2.47/sack, Dens:15.6#/gal, Vol:40 bbl. WOC for >6 hrs. TOC: 9,150'.

6/10/18-7/1/18-Drill 6-3/4" hole to 20,186' TD.

7/2/18-Notified BLM of intent to run and cement prod casing (17:00 hrs). Run 5- 1/2" 20.00# P-110ICY TXP BTC casing to 9,643' & 5" 18# P-110 TSH521 casing to 20,171', float collar @ 20,127', float shoe @ 20,171'.

7/4/18-Cement in place Lead w/Class C 1,634 sacks, Yld:1.84/sack, Dens: 13.20#/gal, Vol:537 bbl, and Tail: Class H, 108 sacks, Yld:2.18/sack, Dens: 15#/gal, Vol:39 bbl, 5 bbls cement to surface.

7/6/18-Release rig



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 1 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

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	0.999921	Report Generated	06-Aug-18 at 9:36:18 AM
Convergence at slot	0.18° East	Database/Source file	WA_HOU_Midland_Defn/CB_SE_5_32_FED_Com_011H_awp.xml

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	602512.00	451334.00	32°14'25.437"N	104°00'06.396"W
Facility Reference Pt			602512.00	451334.00	32°14'25.437"N	104°00'06.396"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 Facility Vertical Datum	3056.00ft
Horizontal Reference Pt	Slot	Patterson 257 (KB) to Mean Sea Level	3056.00ft
Vertical Reference Pt	Patterson 257 (KB)	Patterson 257 (KB) to Ground Level at Slot (CB SE 5 32 FED Com 011H)	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	359.23°

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 SE 5 32 FED Com 011H_awp

Page 2 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 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	Comments
0.00†	0.000	303.020	0.00	0.00	0.00	0.00	602512.00	451334.00	32°14'25.437"N	104°00'06.396"W	
28.00	0.000	303.020	28.00	0.00	0.00	0.00	602512.00	451334.00	32°14'25.437"N	104°00'06.396"W	
158.00	0.830	303.020	158.00	0.52	0.51	-0.79	602511.21	451334.51	32°14'25.442"N	104°00'06.405"W	
281.00	0.320	222.540	280.99	0.77	0.75	-1.77	602510.23	451334.75	32°14'25.445"N	104°00'06.416"W	
429.00	0.460	110.580	428.99	0.25	0.23	-1.49	602510.51	451334.23	32°14'25.440"N	104°00'06.413"W	1:7 1/2" Surface (28') 158' to 429'
457.00	0.700	129.960	456.99	0.10	0.08	-1.26	602510.74	451334.08	32°14'25.438"N	104°00'06.410"W	
511.00	0.550	174.710	510.98	-0.37	-0.39	-0.98	602511.02	451333.61	32°14'25.433"N	104°00'06.407"W	
602.00	3.180	259.880	601.94	-1.22	-1.27	-3.42	602508.58	451332.73	32°14'25.425"N	104°00'06.436"W	
694.00	4.620	263.410	693.72	-2.01	-2.14	-9.62	602502.38	451331.86	32°14'25.416"N	104°00'06.508"W	
788.00	5.660	257.100	787.34	-3.37	-3.61	-17.90	602494.10	451330.39	32°14'25.402"N	104°00'06.604"W	
880.00	6.300	253.080	878.84	-5.73	-6.09	-27.15	602484.85	451327.91	32°14'25.378"N	104°00'06.712"W	
975.00	7.710	248.450	973.13	-9.44	-9.95	-38.06	602473.94	451324.05	32°14'25.340"N	104°00'06.839"W	
1070.00	9.670	245.370	1067.04	-14.93	-15.62	-51.24	602460.76	451318.39	32°14'25.284"N	104°00'06.993"W	
1166.00	7.390	255.680	1161.97	-19.63	-20.50	-64.56	602447.45	451313.50	32°14'25.236"N	104°00'07.148"W	
1261.00	9.560	257.800	1255.93	-22.63	-23.68	-78.19	602433.82	451310.32	32°14'25.205"N	104°00'07.307"W	
1357.00	11.720	251.900	1350.28	-27.11	-28.40	-95.25	602416.76	451305.61	32°14'25.159"N	104°00'07.506"W	
1548.00	11.510	249.490	1537.37	-39.33	-41.10	-131.54	602380.47	451292.90	32°14'25.035"N	104°00'07.929"W	
1739.00	12.100	245.820	1724.33	-53.72	-55.98	-167.65	602344.36	451278.03	32°14'24.888"N	104°00'08.350"W	
1931.00	11.700	246.020	1912.20	-69.39	-72.13	-203.80	602308.22	451261.87	32°14'24.730"N	104°00'08.771"W	
2122.00	12.290	243.540	2099.03	-85.83	-89.06	-239.69	602272.33	451244.95	32°14'24.563"N	104°00'09.190"W	
2313.00	12.750	255.480	2285.52	-99.66	-103.40	-278.30	602233.72	451230.60	32°14'24.422"N	104°00'09.640"W	
2505.00	11.300	252.740	2473.30	-110.03	-114.30	-316.77	602195.25	451219.71	32°14'24.316"N	104°00'10.088"W	
2696.00	14.030	242.990	2659.66	-125.58	-130.37	-355.28	602156.75	451203.64	32°14'24.158"N	104°00'10.537"W	
2888.00	12.030	243.500	2846.71	-144.56	-149.87	-393.93	602118.10	451184.14	32°14'23.966"N	104°00'10.988"W	
3078.00	11.890	253.690	3032.60	-158.40	-164.20	-430.44	602081.60	451169.81	32°14'23.825"N	104°00'11.413"W	
3269.00	11.640	251.640	3219.59	-169.50	-175.80	-467.61	602044.43	451158.22	32°14'23.712"N	104°00'11.846"W	
3461.00	12.990	252.890	3407.17	-181.42	-188.25	-506.62	602005.42	451145.77	32°14'23.590"N	104°00'12.301"W	
3652.00	12.800	252.610	3593.35	-193.51	-200.89	-547.33	601964.72	451133.13	32°14'23.466"N	104°00'12.775"W	
3843.00	11.600	251.280	3780.04	-205.48	-213.37	-585.71	601926.34	451120.64	32°14'23.344"N	104°00'13.223"W	
4035.00	11.730	250.380	3968.07	-217.74	-226.12	-622.37	601889.68	451107.90	32°14'23.219"N	104°00'13.650"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 3 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
4226.00	11.500	249.800	4155.16	-230.35	-239.22	-658.53	601853.53	451094.80	32°14'23.090"N	104°00'14.071"W	
4418.00	11.070	250.300	4343.45	-242.69	-252.04	-693.84	601818.21	451081.98	32°14'22.964"N	104°00'14.483"W	
4609.00	10.420	251.710	4531.10	-253.84	-263.64	-727.51	601784.55	451070.38	32°14'22.851"N	104°00'14.875"W	
4800.00	12.000	251.430	4718.45	-265.11	-275.39	-762.73	601749.33	451058.64	32°14'22.735"N	104°00'15.286"W	
4992.00	11.230	251.040	4906.52	-277.05	-287.82	-799.33	601712.73	451046.21	32°14'22.613"N	104°00'15.712"W	
5183.00	8.930	250.790	5094.55	-287.54	-298.74	-830.93	601681.14	451035.29	32°14'22.506"N	104°00'16.081"W	
5374.00	6.510	253.380	5283.81	-295.19	-306.71	-855.30	601656.77	451027.31	32°14'22.428"N	104°00'16.365"W	
5571.00	4.700	247.660	5479.86	-301.21	-312.98	-873.47	601638.60	451021.05	32°14'22.367"N	104°00'16.576"W	
5762.00	1.540	266.780	5670.56	-304.20	-316.10	-883.27	601628.80	451017.93	32°14'22.336"N	104°00'16.691"W	
5953.00	0.460	277.090	5861.53	-304.20	-316.15	-886.60	601625.47	451017.88	32°14'22.336"N	104°00'16.729"W	
6049.00	0.640	277.370	5957.52	-304.07	-316.03	-887.51	601624.56	451018.00	32°14'22.337"N	104°00'16.740"W	
6145.00	0.420	277.930	6053.52	-303.94	-315.91	-888.39	601623.68	451018.11	32°14'22.338"N	104°00'16.750"W	
6241.00	0.340	276.570	6149.52	-303.85	-315.83	-889.02	601623.05	451018.19	32°14'22.339"N	104°00'16.758"W	
6336.00	0.250	295.630	6244.51	-303.73	-315.71	-889.49	601622.58	451018.32	32°14'22.340"N	104°00'16.763"W	
6432.00	0.170	250.940	6340.51	-303.68	-315.66	-889.81	601622.26	451018.36	32°14'22.341"N	104°00'16.767"W	
6527.00	0.220	250.390	6435.51	-303.78	-315.77	-890.12	601621.95	451018.25	32°14'22.340"N	104°00'16.770"W	
6623.00	0.150	211.730	6531.51	-303.95	-315.94	-890.36	601621.71	451018.08	32°14'22.338"N	104°00'16.773"W	
6719.00	0.120	195.030	6627.51	-304.15	-316.14	-890.45	601621.62	451017.88	32°14'22.336"N	104°00'16.774"W	
6740.00	0.160	203.630	6648.51	-304.20	-316.19	-890.47	601621.60	451017.83	32°14'22.335"N	104°00'16.774"W	12 1/4 BH MWD 457' - 6740'
6818.00	0.530	215.670	6726.51	-304.59	-316.59	-890.72	601621.35	451017.44	32°14'22.332"N	104°00'16.777"W	
6914.00	0.680	241.780	6822.51	-305.21	-317.22	-891.48	601620.59	451016.81	32°14'22.325"N	104°00'16.786"W	
7009.00	0.770	240.280	6917.50	-305.78	-317.80	-892.53	601619.54	451016.23	32°14'22.320"N	104°00'16.798"W	
7105.00	0.910	50.640	7013.49	-305.61	-317.63	-892.51	601619.57	451016.39	32°14'22.321"N	104°00'16.798"W	
7200.00	0.900	64.820	7108.48	-304.83	-316.84	-891.25	601620.82	451017.19	32°14'22.329"N	104°00'16.783"W	
7296.00	0.360	86.980	7204.48	-304.51	-316.50	-890.26	601621.81	451017.52	32°14'22.332"N	104°00'16.772"W	
7392.00	0.770	87.720	7300.47	-304.48	-316.46	-889.32	601622.75	451017.56	32°14'22.333"N	104°00'16.761"W	
7487.00	0.780	83.900	7395.46	-304.40	-316.37	-888.04	601624.03	451017.66	32°14'22.334"N	104°00'16.746"W	
7582.00	0.570	116.620	7490.46	-304.56	-316.51	-886.97	601625.10	451017.52	32°14'22.332"N	104°00'16.734"W	
7678.00	0.720	152.090	7586.45	-305.32	-317.26	-886.26	601625.81	451016.77	32°14'22.325"N	104°00'16.725"W	
7774.00	1.010	161.490	7682.44	-306.66	-318.59	-885.71	601626.36	451015.43	32°14'22.312"N	104°00'16.719"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 4 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
7869.00	0.090	270.060	7777.44	-307.46	-319.39	-885.52	601626.55	451014.64	32°14'22.304"N	104°00'16.717"W	
7965.00	0.440	6.350	7873.43	-307.09	-319.02	-885.55	601626.52	451015.01	32°14'22.307"N	104°00'16.717"W	
8060.00	0.370	2.200	7968.43	-306.42	-318.35	-885.50	601626.57	451015.68	32°14'22.314"N	104°00'16.717"W	
8156.00	0.400	342.480	8064.43	-305.79	-317.72	-885.59	601626.48	451016.30	32°14'22.320"N	104°00'16.718"W	
8252.00	0.160	234.450	8160.43	-305.55	-317.48	-885.80	601626.27	451016.55	32°14'22.323"N	104°00'16.720"W	
8347.00	0.390	198.810	8255.43	-305.93	-317.86	-886.01	601626.06	451016.16	32°14'22.319"N	104°00'16.723"W	
8443.00	0.700	210.460	8351.42	-306.74	-318.68	-886.42	601625.66	451015.35	32°14'22.311"N	104°00'16.727"W	
8539.00	1.040	357.110	8447.42	-306.37	-318.31	-886.76	601625.31	451015.71	32°14'22.314"N	104°00'16.731"W	
8635.00	1.250	356.470	8543.40	-304.45	-316.40	-886.87	601625.21	451017.63	32°14'22.333"N	104°00'16.732"W	
8730.00	0.700	162.090	8638.39	-303.97	-315.92	-886.75	601625.32	451018.11	32°14'22.338"N	104°00'16.731"W	
8826.00	1.160	163.560	8734.38	-305.47	-317.41	-886.30	601625.78	451016.62	32°14'22.323"N	104°00'16.726"W	
8922.00	0.930	146.780	8830.36	-307.06	-318.99	-885.59	601626.48	451015.04	32°14'22.308"N	104°00'16.718"W	
9017.00	1.050	50.460	8925.36	-307.16	-319.08	-884.50	601627.57	451014.95	32°14'22.307"N	104°00'16.705"W	
9113.00	2.120	353.110	9021.32	-304.85	-316.76	-884.04	601628.04	451017.27	32°14'22.330"N	104°00'16.699"W	
9209.00	4.410	348.040	9117.16	-299.46	-311.38	-885.01	601627.06	451022.64	32°14'22.383"N	104°00'16.711"W	
9304.00	4.440	357.540	9211.88	-292.20	-304.14	-885.93	601626.14	451029.89	32°14'22.455"N	104°00'16.721"W	
9393.00	3.860	352.730	9300.65	-285.78	-297.72	-886.45	601625.62	451036.30	32°14'22.518"N	104°00'16.727"W	
9413.00	3.870	351.450	9320.60	-284.45	-296.39	-886.64	601625.43	451037.64	32°14'22.531"N	104°00'16.729"W	8 1/2 BH MWD 6818' - 9413'
9501.00	4.570	346.260	9408.36	-278.09	-290.04	-887.91	601624.16	451043.98	32°14'22.594"N	104°00'16.744"W	
9533.00	6.240	345.160	9440.22	-275.16	-287.13	-888.66	601623.41	451046.90	32°14'22.623"N	104°00'16.752"W	
9627.00	12.440	346.320	9532.93	-260.32	-272.34	-892.37	601619.70	451061.69	32°14'22.769"N	104°00'16.795"W	
9722.00	21.560	354.350	9623.69	-232.89	-244.96	-896.52	601615.56	451089.06	32°14'23.040"N	104°00'16.842"W	
9816.00	28.920	359.470	9708.67	-192.89	-204.99	-898.43	601613.64	451129.03	32°14'23.436"N	104°00'16.863"W	
9911.00	35.570	2.160	9788.98	-142.27	-154.35	-897.60	601614.47	451179.67	32°14'23.937"N	104°00'16.852"W	
10005.00	47.440	0.390	9859.25	-80.13	-92.18	-896.33	601615.74	451241.82	32°14'24.552"N	104°00'16.835"W	
10100.00	59.290	0.470	9915.84	-4.05	-16.09	-895.75	601616.32	451317.91	32°14'25.305"N	104°00'16.825"W	
10194.00	66.340	1.400	9958.76	79.48	67.46	-894.37	601617.70	451401.46	32°14'26.132"N	104°00'16.806"W	
10289.00	74.680	359.970	9990.42	168.92	156.93	-893.33	601618.74	451490.92	32°14'27.017"N	104°00'16.791"W	
10383.00	81.130	0.090	10010.11	260.78	248.80	-893.28	601618.79	451582.78	32°14'27.926"N	104°00'16.787"W	
10478.00	83.650	1.130	10022.69	354.90	342.94	-892.27	601619.80	451676.92	32°14'28.858"N	104°00'16.772"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 5 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
10572.00	88.770	1.420	10028.90	448.61	436.68	-890.19	601621.88	451770.65	32°14'29.785"N	104°00'16.744"W	
10666.00	89.750	1.890	10030.12	542.51	530.64	-887.47	601624.60	451864.59	32°14'30.715"N	104°00'16.709"W	
10760.00	88.740	2.510	10031.35	636.38	624.56	-883.87	601628.21	451958.51	32°14'31.644"N	104°00'16.664"W	
10853.00	88.770	0.460	10033.38	729.28	717.50	-881.46	601630.62	452051.44	32°14'32.564"N	104°00'16.633"W	
10947.00	89.880	1.470	10034.48	823.23	811.48	-879.87	601632.20	452145.41	32°14'33.494"N	104°00'16.611"W	
11041.00	89.690	2.810	10034.84	917.10	905.41	-876.36	601635.71	452239.33	32°14'34.423"N	104°00'16.567"W	
11134.00	85.840	359.990	10038.46	1009.94	998.28	-874.09	601637.98	452332.20	32°14'35.342"N	104°00'16.537"W	
11228.00	86.080	359.400	10045.09	1103.70	1092.05	-874.59	601637.48	452425.96	32°14'36.270"N	104°00'16.539"W	
11321.00	87.870	357.120	10049.99	1196.55	1184.86	-877.41	601634.66	452518.77	32°14'37.189"N	104°00'16.569"W	
11415.00	92.840	359.110	10049.41	1290.49	1278.78	-880.50	601631.57	452612.67	32°14'38.118"N	104°00'16.602"W	
11509.00	90.560	356.930	10046.62	1384.42	1372.67	-883.75	601628.32	452706.56	32°14'39.047"N	104°00'16.636"W	
11603.00	89.970	356.380	10046.19	1478.32	1466.51	-889.23	601622.84	452800.39	32°14'39.976"N	104°00'16.696"W	
11697.00	92.340	357.270	10044.29	1572.21	1560.34	-894.44	601617.63	452894.21	32°14'40.905"N	104°00'16.754"W	
11790.00	91.970	356.460	10040.80	1665.07	1653.13	-899.52	601612.55	452987.00	32°14'41.823"N	104°00'16.810"W	
11883.00	91.420	356.340	10038.04	1757.91	1745.90	-905.36	601606.72	453079.76	32°14'42.741"N	104°00'16.874"W	
11976.00	90.550	355.540	10036.45	1850.75	1838.66	-911.94	601600.13	453172.51	32°14'43.659"N	104°00'16.948"W	
12071.00	93.170	357.460	10033.36	1945.57	1933.42	-917.74	601594.34	453267.26	32°14'44.597"N	104°00'17.012"W	
12166.00	94.510	357.250	10027.00	2040.31	2028.10	-922.11	601589.96	453361.94	32°14'45.534"N	104°00'17.059"W	
12260.00	94.260	359.420	10019.81	2134.02	2121.78	-924.83	601587.24	453455.61	32°14'46.461"N	104°00'17.088"W	
12354.00	93.950	0.120	10013.08	2227.77	2215.54	-925.21	601586.86	453549.36	32°14'47.389"N	104°00'17.089"W	
12449.00	91.910	1.910	10008.23	2322.59	2310.39	-923.53	601588.55	453644.20	32°14'48.327"N	104°00'17.066"W	
12543.00	88.150	0.480	10008.18	2416.52	2404.35	-921.57	601590.51	453738.15	32°14'49.257"N	104°00'17.040"W	
12638.00	92.740	2.750	10007.44	2511.40	2499.28	-918.89	601593.18	453833.07	32°14'50.196"N	104°00'17.005"W	
12733.00	87.440	0.360	10007.29	2606.28	2594.20	-916.32	601595.76	453927.99	32°14'51.136"N	104°00'16.972"W	
12827.00	89.970	1.480	10009.42	2700.21	2688.16	-914.81	601597.27	454021.94	32°14'52.065"N	104°00'16.951"W	
12922.00	89.850	0.830	10009.56	2795.15	2783.14	-912.89	601599.18	454116.91	32°14'53.005"N	104°00'16.925"W	
13016.00	94.100	1.990	10006.33	2889.01	2877.03	-910.58	601601.49	454210.80	32°14'53.934"N	104°00'16.895"W	
13111.00	94.750	2.000	9999.00	2983.61	2971.69	-907.29	601604.79	454305.45	32°14'54.871"N	104°00'16.853"W	
13205.00	93.570	0.720	9992.18	3077.30	3065.41	-905.06	601607.01	454399.16	32°14'55.798"N	104°00'16.824"W	
13299.00	90.490	358.080	9988.85	3171.22	3159.33	-906.05	601606.03	454493.07	32°14'56.728"N	104°00'16.832"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 6 of 10

**BAKER
HUGHES**
a GE company

REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
13394.00	89.200	354.660	9989.10	3266.08	3254.12	-912.06	601600.01	454587.86	32°14'57.666"N	104°00'16.899"W	
13488.00	91.420	356.130	9988.60	3359.86	3347.81	-919.61	601592.47	454681.53	32°14'58.593"N	104°00'16.983"W	
13583.00	92.250	0.540	9985.55	3454.78	3442.69	-922.37	601589.71	454776.41	32°14'59.532"N	104°00'17.012"W	
13677.00	87.250	358.890	9985.96	3548.74	3536.66	-922.83	601589.24	454870.37	32°15'00.462"N	104°00'17.014"W	
13772.00	94.780	2.420	9984.28	3643.61	3631.55	-921.75	601590.32	454965.26	32°15'01.401"N	104°00'16.998"W	
13866.00	91.570	359.970	9979.07	3737.39	3725.37	-919.80	601592.28	455059.07	32°15'02.329"N	104°00'16.972"W	
13961.00	91.730	1.160	9976.34	3832.33	3820.32	-918.86	601593.21	455154.01	32°15'03.269"N	104°00'16.958"W	
14056.00	88.430	358.240	9976.21	3927.30	3915.30	-919.36	601592.72	455248.98	32°15'04.209"N	104°00'16.960"W	
14150.00	89.200	358.890	9978.15	4021.27	4009.25	-921.71	601590.36	455342.92	32°15'05.138"N	104°00'16.984"W	
14245.00	85.060	359.560	9982.91	4116.13	4104.10	-923.00	601589.08	455437.77	32°15'06.077"N	104°00'16.996"W	
14339.00	88.490	356.680	9988.19	4209.94	4197.87	-926.08	601586.00	455531.54	32°15'07.005"N	104°00'17.028"W	
14440.00	89.290	357.280	9990.15	4310.84	4298.71	-931.40	601580.68	455632.37	32°15'08.003"N	104°00'17.086"W	
14534.00	90.650	359.280	9990.20	4404.82	4392.67	-934.22	601577.86	455726.31	32°15'08.933"N	104°00'17.116"W	
14631.00	89.110	1.880	9990.40	4501.78	4489.65	-933.24	601578.84	455823.29	32°15'09.892"N	104°00'17.101"W	
14727.00	88.800	1.550	9992.15	4597.68	4585.59	-930.36	601581.71	455919.22	32°15'10.842"N	104°00'17.064"W	
14823.00	89.660	359.780	9993.44	4693.63	4681.57	-929.25	601582.82	456015.19	32°15'11.791"N	104°00'17.048"W	
14918.00	89.230	359.450	9994.36	4788.63	4776.56	-929.89	601582.19	456110.18	32°15'12.731"N	104°00'17.052"W	
15014.00	85.500	358.950	9998.78	4884.51	4872.43	-931.23	601580.85	456206.04	32°15'13.680"N	104°00'17.064"W	
15110.00	85.710	356.970	10006.13	4980.20	4968.09	-934.63	601577.44	456301.69	32°15'14.627"N	104°00'17.100"W	
15205.00	88.830	356.970	10010.66	5075.01	5062.83	-939.65	601572.43	456396.43	32°15'15.564"N	104°00'17.155"W	
15301.00	90.220	358.150	10011.45	5170.96	5158.74	-943.74	601568.34	456492.32	32°15'16.514"N	104°00'17.200"W	
15397.00	90.400	358.630	10010.93	5266.94	5254.70	-946.43	601565.64	456588.28	32°15'17.463"N	104°00'17.227"W	
15492.00	89.510	358.130	10011.01	5361.93	5349.66	-949.12	601562.96	456683.23	32°15'18.403"N	104°00'17.255"W	
15588.00	90.180	358.780	10011.27	5457.92	5445.63	-951.71	601560.37	456779.18	32°15'19.353"N	104°00'17.282"W	
15684.00	92.960	359.480	10008.64	5553.88	5541.57	-953.17	601558.91	456875.12	32°15'20.302"N	104°00'17.296"W	
15780.00	94.070	0.290	10002.75	5649.69	5637.38	-953.36	601558.72	456970.93	32°15'21.250"N	104°00'17.294"W	
15875.00	89.910	358.560	9999.45	5744.61	5732.30	-954.31	601557.77	457065.83	32°15'22.190"N	104°00'17.302"W	
15971.00	88.950	358.520	10000.41	5840.59	5828.26	-956.76	601555.32	457161.79	32°15'23.139"N	104°00'17.327"W	
16067.00	87.040	358.580	10003.77	5936.52	5924.17	-959.19	601552.89	457257.69	32°15'24.088"N	104°00'17.352"W	
16162.00	87.170	358.600	10008.57	6031.40	6019.02	-961.52	601550.56	457352.53	32°15'25.027"N	104°00'17.376"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 7 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
16258.00	86.980	359.430	10013.47	6127.27	6114.88	-963.17	601548.91	457448.38	32°15'25.976"N	104°00'17.392"W	
16353.00	88.400	359.820	10017.29	6222.19	6209.80	-963.79	601548.29	457543.29	32°15'26.915"N	104°00'17.396"W	
16449.00	87.070	359.080	10021.09	6318.11	6305.71	-964.71	601547.37	457639.20	32°15'27.864"N	104°00'17.403"W	
16545.00	87.220	359.050	10025.87	6413.99	6401.58	-966.27	601545.80	457735.06	32°15'28.813"N	104°00'17.418"W	
16640.00	87.250	359.560	10030.45	6508.88	6496.46	-967.43	601544.65	457829.94	32°15'29.752"N	104°00'17.428"W	
16736.00	92.220	1.560	10030.90	6604.82	6592.42	-966.49	601545.59	457925.89	32°15'30.701"N	104°00'17.413"W	
16832.00	91.260	1.420	10027.98	6700.70	6688.34	-963.99	601548.09	458021.80	32°15'31.650"N	104°00'17.381"W	
16927.00	90.000	1.170	10026.94	6795.63	6783.31	-961.85	601550.23	458116.76	32°15'32.590"N	104°00'17.352"W	
17023.00	91.020	1.530	10026.08	6891.56	6879.28	-959.58	601552.49	458212.72	32°15'33.539"N	104°00'17.323"W	
17118.00	88.520	0.730	10026.46	6986.49	6974.25	-957.71	601554.37	458307.69	32°15'34.479"N	104°00'17.298"W	
17214.00	89.910	1.120	10027.78	7082.44	7070.23	-956.16	601555.92	458403.66	32°15'35.429"N	104°00'17.276"W	
17310.00	89.540	0.880	10028.24	7178.39	7166.21	-954.49	601557.59	458499.63	32°15'36.379"N	104°00'17.253"W	
17405.00	91.540	1.090	10027.34	7273.34	7261.19	-952.85	601559.22	458594.60	32°15'37.318"N	104°00'17.231"W	
17501.00	89.480	359.810	10026.49	7369.31	7357.18	-952.10	601559.98	458690.58	32°15'38.268"N	104°00'17.219"W	
17597.00	90.520	359.680	10026.49	7465.30	7453.17	-952.53	601559.55	458786.57	32°15'39.218"N	104°00'17.220"W	
17692.00	88.150	358.740	10027.59	7560.29	7548.15	-953.84	601558.24	458881.54	32°15'40.158"N	104°00'17.232"W	
17788.00	86.180	357.440	10032.34	7656.14	7643.97	-957.03	601555.05	458977.36	32°15'41.106"N	104°00'17.266"W	
17884.00	86.270	357.030	10038.66	7751.88	7739.65	-961.65	601550.43	459073.03	32°15'42.053"N	104°00'17.316"W	
17979.00	85.870	357.110	10045.17	7846.59	7834.31	-966.50	601545.58	459167.67	32°15'42.990"N	104°00'17.369"W	
18075.00	85.660	356.470	10052.26	7942.24	7929.89	-971.86	601540.22	459263.25	32°15'43.936"N	104°00'17.428"W	
18170.00	87.630	356.670	10057.82	8036.97	8024.56	-977.53	601534.55	459357.91	32°15'44.873"N	104°00'17.491"W	
18266.00	90.520	357.720	10059.37	8132.88	8120.42	-982.23	601529.85	459453.76	32°15'45.822"N	104°00'17.542"W	
18362.00	87.660	355.290	10060.90	8228.75	8216.21	-988.08	601524.00	459549.54	32°15'46.770"N	104°00'17.607"W	
18457.00	88.950	354.270	10063.71	8323.41	8310.77	-996.72	601515.37	459644.10	32°15'47.706"N	104°00'17.704"W	
18553.00	91.260	357.200	10063.53	8419.22	8406.49	-1003.85	601508.23	459739.81	32°15'48.653"N	104°00'17.784"W	
18649.00	90.770	358.990	10061.83	8515.18	8502.41	-1007.04	601505.04	459835.73	32°15'49.602"N	104°00'17.818"W	
18744.00	87.630	358.690	10063.16	8610.16	8597.37	-1008.97	601503.11	459930.68	32°15'50.542"N	104°00'17.837"W	
18839.00	90.990	358.990	10064.30	8705.13	8692.33	-1010.89	601501.19	460025.63	32°15'51.482"N	104°00'17.856"W	
18935.00	94.230	359.730	10059.93	8801.02	8788.21	-1011.96	601500.12	460121.50	32°15'52.431"N	104°00'17.865"W	
19031.00	95.460	359.300	10051.82	8896.67	8883.87	-1012.77	601499.31	460217.15	32°15'53.377"N	104°00'17.871"W	



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 8 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

WELLPATH DATA (193 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Comments
19126.00	96.180	358.450	10042.19	8991.18	8978.36	-1014.63	601497.46	460311.63	32°15'54.312"N	104°00'17.889"W	
19221.00	95.150	358.930	10032.81	9085.71	9072.87	-1016.79	601495.30	460406.13	32°15'55.248"N	104°00'17.911"W	
19317.00	91.660	358.430	10027.11	9181.52	9168.66	-1018.99	601493.09	460501.92	32°15'56.195"N	104°00'17.933"W	
19413.00	84.750	359.380	10030.11	9277.41	9264.53	-1020.83	601491.25	460597.78	32°15'57.144"N	104°00'17.951"W	
19508.00	84.050	0.270	10039.38	9371.95	9359.08	-1021.12	601490.96	460692.32	32°15'58.080"N	104°00'17.951"W	
19604.00	85.120	0.940	10048.44	9467.50	9454.64	-1020.11	601491.97	460787.88	32°15'59.025"N	104°00'17.936"W	
19699.00	84.450	1.400	10057.08	9562.05	9549.23	-1018.18	601493.91	460882.46	32°15'59.961"N	104°00'17.910"W	
19795.00	90.550	2.900	10061.26	9657.78	9645.02	-1014.58	601497.50	460978.24	32°16'00.909"N	104°00'17.865"W	
19891.00	89.080	1.960	10061.57	9753.63	9740.93	-1010.51	601501.57	461074.14	32°16'01.858"N	104°00'17.814"W	
19986.00	88.090	1.810	10063.92	9848.50	9835.85	-1007.38	601504.70	461169.05	32°16'02.797"N	104°00'17.774"W	
20082.00	89.940	3.560	10065.57	9944.30	9931.72	-1002.89	601509.19	461264.92	32°16'03.746"N	104°00'17.718"W	
20126.00	91.700	3.420	10064.94	9988.17	9975.63	-1000.21	601511.87	461308.83	32°16'04.180"N	104°00'17.685"W	6 3/4 BH MWD 9501 - 20126
20186.00	91.700	3.420	10063.16	10047.99	10035.50	-996.63	601515.45	461368.69	32°16'04.773"N	104°00'17.642"W	Projection to TD 20186



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 9 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CB SE 5 32 FED COM 11H 3	9945.00	4608.33	-942.35	601569.73	455941.96	32°15'11.067"N	104°00'17.203"W	point
CB SE 5 32 FED COM 11H 2	9972.00	2738.50	-917.12	601594.95	454072.28	32°14'52.564"N	104°00'16.976"W	point
CB SE 5 32 FED COM 11H FTP rev 2	9973.00	-44.33	-879.64	601632.43	451289.67	32°14'25.025"N	104°00'16.639"W	point
CB SE 5 32 FED COM 11H LTP	9975.00	9874.82	-1013.10	601498.98	461208.02	32°16'03.183"N	104°00'17.839"W	point
CB SE 5 32 FED COM 11H 4	9976.00	7581.06	-982.46	601529.62	458914.45	32°15'40.485"N	104°00'17.564"W	point
CB SE 5 32 FED COM 11H 1	9998.00	1634.60	-902.23	601609.84	452968.47	32°14'41.640"N	104°00'16.842"W	point
CB SE 5 32 FED COM 11H PBHL rev 2	10014.00	9924.80	-1014.08	601498.00	461258.00	32°16'03.678"N	104°00'17.849"W	point

WELLPATH COMPOSITION - Ref Wellbore: CB SE 5 32 FED Com 011H Ref Wellpath: CB SE 5 32 FED Com 011H_awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
28.00	429.00	BHI NaviTrak (Axial)	17 1/2" Surface (28') 158' to 429'	CB SE 5 32 FED Com 011H
429.00	6740.00	BHI NaviTrak (Axial)	12 1/4 BH MWD 457' - 6740'	CB SE 5 32 FED Com 011H
6740.00	9413.00	BHI NaviTrak (Axial)	8 1/2 BH MWD 6818' - 9413'	CB SE 5 32 FED Com 011H
9413.00	20126.00	BHI NaviTrak (Axial)	6 3/4 BH MWD 9501 - 20126	CB SE 5 32 FED Com 011H
20126.00	20186.00	Blind Drilling (std)	Projection to bit	CB SE 5 32 FED Com 011H



Actual Wellpath Report

CB SE 5 32 FED Com 011H_awp

Page 10 of 10

**BAKER
HUGHES**
a GE company



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	CB SE 5 32 FED Com 011H
Area	Eddy County, NM	Well	CB SE 5 32 FED Com 011H
Field	Purple Sage, Wolfcamp(Eddy Co., NM) NAD27	Wellbore	CB SE 5 32 FED Com 011H
Facility	CB 24 29 Sec 5 32 Pad 1		

COMMENTS

Wellpath general comments

Well: CB SE 5 32 FED Com 011H
Field: Purple Sage, Wolfcamp
Rig: Patterson 257
Location: Eddy Co. NM
API: 30-01544637-00
Latitude: 32° 14' 25.437" N
Longitude: 104° 00' 06.396" W
DF Elevation: 3056.00 feet
Elev. GL: 3028.00 feet
Proposed Direction: 359.23°
PBHL: 20186 feet
Duration: 3/15/2018-7/1/2018
FSE's: S.Dinh
SO#: 9059550
17 1/2" Surface (28') 158' to 429'
12 1/4 BH MWD 457' - 6740'
8 1/2 BH MWD 6818' - 9413'
Projection to TD 20186