

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 to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2****RECEIVED**
MAR 12 2019
HOBBS OCD

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM27506
2. Name of Operator CHEVRON USA INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address 6301 DEAUVILLE BLVD MIDLAND, TX 79706		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-687-7655		8. Well Name and No. SD EA 29 32 FED COM P11 14H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T26S R33E NWNW 195FNL 853FWL 32.021225 N Lat, 103.600052 W Lon		9. API Well No. 30-025-44334-00-X1
		10. Field and Pool or Exploratory Area WC025G09S263327G-UP WOLFCAMP
		11. County or Parish, State LEA 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
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recompleat 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 recompleat 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.

Chevron respectfully requests to change the BHL of this well to the new 100' North-South Lease line rule as agreed upon by the State of New Mexico OCD and BLM.

The updated C-102 and drilling plan with revised TVD and MD are attached.

Carlsbad Field Office
OCD Hobbs

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #447458 verified by the BLM Well Information System For CHEVRON USA INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 12/13/2018 (19PP0614SE)	
Name (Printed/Typed) LAURA BECERRA	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 12/12/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>ZOTA STEVENS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>02/18/2019</u>
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 Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED *****LB*

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44334	² Pool Code 98097	³ Pool Name SANDERS TANK; UPPER WOLFCAMP
⁴ Property Code	⁵ Property Name SD EA 29 32 FED COM P11	⁶ Well Number 14H
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 3215'

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
D	29	26 SOUTH	33 EAST, N.M.P.M.		195'	NORTH	853'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

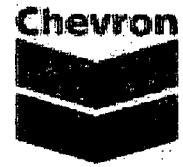
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	32	26 SOUTH	33 EAST, N.M.P.M.		25'	SOUTH	750'	WEST	LEA

¹² Dedicated Acres 237.34	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ <table><tr><td colspan="2">SD EA 29 32 FED COM P11 NO. 14H WELL</td></tr><tr><td>X= 727,408</td><td>Y= 372,175</td></tr><tr><td>LAT. 32.021101 N</td><td>LONG. 103.599587 W</td></tr><tr><td>X= 768,596</td><td>Y= 372,232</td></tr><tr><td>LAT. 32.021226 N</td><td>LONG. 103.600054 W</td></tr><tr><td colspan="2">ELEVATION +3215' NAVD 88</td></tr></table><table><tr><td colspan="2">PROPOSED FIRST TAKE POINT</td></tr><tr><td>X= 727,304</td><td>Y= 372,269</td></tr><tr><td>LAT. 32.021362 N</td><td>LONG. 103.599920 W</td></tr><tr><td>X= 768,492</td><td>Y= 372,326</td></tr><tr><td>LAT. 32.021487 N</td><td>LONG. 103.600387 W</td></tr></table><table><tr><td colspan="2">PROPOSED LAST TAKE POINT</td></tr><tr><td>X= 727,366</td><td>Y= 364,721</td></tr><tr><td>LAT. 32.000611 N</td><td>LONG. 103.599886 W</td></tr><tr><td>X= 768,554</td><td>Y= 364,778</td></tr><tr><td>LAT. 32.000736 N</td><td>LONG. 103.600352 W</td></tr></table><table><tr><td colspan="2">PROPOSED BOTTOM HOLE LOCATION</td></tr><tr><td>X= 727,367</td><td>Y= 364,566</td></tr><tr><td>LAT. 32.000185 N</td><td>LONG. 103.599885 W</td></tr><tr><td>X= 768,555</td><td>Y= 364,623</td></tr><tr><td>LAT. 32.000310 N</td><td>LONG. 103.600351 W</td></tr></table> CORNER COORDINATES TABLE (NAD 27) A - Y=372364.44, X=726553.40 B - Y=372373.27, X=727875.49 C - Y=364544.81, X=727938.29 D - Y=364535.63, X=726617.46 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: Date: 12/12/2018 Printed Name: Laura Becerra E-mail Address: LBecerra@Chevron.com 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. Date of Survey: 04/12/2018 Signature and Seal: 23006 Certificate Number	SD EA 29 32 FED COM P11 NO. 14H WELL		X= 727,408	Y= 372,175	LAT. 32.021101 N	LONG. 103.599587 W	X= 768,596	Y= 372,232	LAT. 32.021226 N	LONG. 103.600054 W	ELEVATION +3215' NAVD 88		PROPOSED FIRST TAKE POINT		X= 727,304	Y= 372,269	LAT. 32.021362 N	LONG. 103.599920 W	X= 768,492	Y= 372,326	LAT. 32.021487 N	LONG. 103.600387 W	PROPOSED LAST TAKE POINT		X= 727,366	Y= 364,721	LAT. 32.000611 N	LONG. 103.599886 W	X= 768,554	Y= 364,778	LAT. 32.000736 N	LONG. 103.600352 W	PROPOSED BOTTOM HOLE LOCATION		X= 727,367	Y= 364,566	LAT. 32.000185 N	LONG. 103.599885 W	X= 768,555	Y= 364,623	LAT. 32.000310 N	LONG. 103.600351 W
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Delaware Basin Changes to APD/COA for Federal Well



Well Name:

SD EA 29 32 Fed Com P11	14H	30-025-44334
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Rig: Nabors X30

CVX CONTACT:

Jason Hannen
MCBU D&C Engineer – Nabors X30
Chevron North America Exploration and Production Co.
MidContinent Business Unit
Office: (713) 372-1169
Cell: (432) 238-3004
Email: Jason.Hannen@chevron.com

Summary of Changes to APD Submission

Chevron respectfully requests to change the well plans of these two Salado Draw pads to the new 100' North-South Lease line rule as agreed upon by the State of New Mexico OCD and BLM. The updated C-102 Plats and drill plans are attached.



Planned Wellpath Report

SD EA 29 32 Fed Com P11 14H Rev F.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

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	0.999968	Report Generated	11-Oct-18 at 11:58:03 AM
Convergence at slot	0.39° East	Database/Source file	WA_HOU_Midland_Defn/SD_EA_29_32_Fed_Com_P11_14H_Rev_F.0.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	25.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W
Facility Reference Pt			727383.00	372175.00	32°01'15.964"N	103°35'58.805"W
Field Reference Pt			152400.30	0.00	30°59'42.846"N	105°26'33.659"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig Nabors X30 (KB) to Facility Vertical Datum	3247.60ft
Horizontal Reference Pt	Slot	Rig Nabors X30 (KB) to Mean Sea Level	3247.60ft
Vertical Reference Pt	Rig Nabors X30 (KB)	Rig Nabors X30 (KB) to Ground Level at Slot (SD EA 29 32 Fed Com P11 14H)	32.60ft
MD Reference Pt	Rig Nabors X30 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.53°



Planned Wellpath Report

SD EA 29 32 Fed Com P11 14H Rev F.0

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Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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	323.911	0.00	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
32.60	0.000	323.911	32.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	Tie On
132.60†	0.000	323.911	132.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
232.60†	0.000	323.911	232.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
332.60†	0.000	323.911	332.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
432.60†	0.000	323.911	432.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
532.60†	0.000	323.911	532.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
632.60†	0.000	323.911	632.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
732.60†	0.000	323.911	732.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
832.60†	0.000	323.911	832.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
932.60†	0.000	323.911	932.60	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	
950.00	0.000	323.911	950.00	0.00	0.00	0.00	727408.00	372175.00	32°01'15.962"N	103°35'58.514"W	0.00	0.00	0.00	End of Tangent
1032.60†	0.826	323.911	1032.60	-0.48	0.48	-0.35	727407.65	372175.48	32°01'15.967"N	103°35'58.518"W	1.00	1.00	-43.69	
1132.60†	1.826	323.911	1132.57	-2.37	2.35	-1.71	727406.29	372177.35	32°01'15.986"N	103°35'58.534"W	1.00	1.00	0.00	
1232.60†	2.826	323.911	1232.49	-5.66	5.63	-4.10	727403.90	372180.63	32°01'16.018"N	103°35'58.562"W	1.00	1.00	0.00	
1332.60†	3.826	323.911	1332.32	-10.38	10.32	-7.52	727400.48	372185.32	32°01'16.065"N	103°35'58.601"W	1.00	1.00	0.00	
1432.60†	4.826	323.911	1432.03	-16.51	16.41	-11.96	727396.04	372191.41	32°01'16.126"N	103°35'58.652"W	1.00	1.00	0.00	
1450.00	5.000	323.911	1449.37	-17.72	17.62	-12.84	727395.16	372192.62	32°01'16.138"N	103°35'58.662"W	1.00	1.00	0.00	End of Build
1532.60†	5.000	323.911	1531.65	-23.58	23.44	-17.08	727390.92	372198.44	32°01'16.196"N	103°35'58.711"W	0.00	0.00	0.00	
1632.60†	5.000	323.911	1631.27	-30.66	30.48	-22.22	727385.78	372205.48	32°01'16.266"N	103°35'58.770"W	0.00	0.00	0.00	
1732.60†	5.000	323.911	1730.89	-37.75	37.52	-27.35	727380.65	372212.52	32°01'16.336"N	103°35'58.829"W	0.00	0.00	0.00	
1832.60†	5.000	323.911	1830.51	-44.83	44.57	-32.48	727375.52	372219.56	32°01'16.406"N	103°35'58.888"W	0.00	0.00	0.00	
1932.60†	5.000	323.911	1930.13	-51.92	51.61	-37.62	727370.38	372226.61	32°01'16.476"N	103°35'58.947"W	0.00	0.00	0.00	
2032.60†	5.000	323.911	2029.75	-59.00	58.65	-42.75	727365.25	372233.65	32°01'16.546"N	103°35'59.006"W	0.00	0.00	0.00	
2132.60†	5.000	323.911	2129.37	-66.09	65.69	-47.89	727360.12	372240.69	32°01'16.616"N	103°35'59.065"W	0.00	0.00	0.00	
2232.60†	5.000	323.911	2228.99	-73.17	72.74	-53.02	727354.98	372247.74	32°01'16.686"N	103°35'59.124"W	0.00	0.00	0.00	
2332.60†	5.000	323.911	2328.61	-80.26	79.78	-58.15	727349.85	372254.78	32°01'16.756"N	103°35'59.183"W	0.00	0.00	0.00	
2432.60†	5.000	323.911	2428.23	-87.34	86.82	-63.29	727344.71	372261.82	32°01'16.826"N	103°35'59.243"W	0.00	0.00	0.00	
2532.60†	5.000	323.911	2527.85	-94.43	93.87	-68.42	727339.58	372268.86	32°01'16.896"N	103°35'59.302"W	0.00	0.00	0.00	
2632.60†	5.000	323.911	2627.47	-101.51	100.91	-73.56	727334.45	372275.91	32°01'16.966"N	103°35'59.361"W	0.00	0.00	0.00	



Planned Wellpath Report

SD EA 29 32 Fed Com P11 14H Rev F.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
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Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
2732.60†	5.000	323.911	2727.08	-108.60	107.95	-78.69	727329.31	372282.95	32°01'17.036"N	103°35'59.420"W	0.00	0.00	0.00	
2832.60†	5.000	323.911	2826.70	-115.68	115.00	-83.82	727324.18	372289.99	32°01'17.106"N	103°35'59.479"W	0.00	0.00	0.00	
2932.60†	5.000	323.911	2926.32	-122.77	122.04	-88.96	727319.05	372297.04	32°01'17.176"N	103°35'59.538"W	0.00	0.00	0.00	
2978.64	5.000	323.911	2972.19	-126.03	125.28	-91.32	727316.68	372300.28	32°01'17.208"N	103°35'59.565"W	0.00	0.00	0.00	End of Tangent
3032.60†	4.460	323.911	3025.96	-129.64	128.88	-93.94	727314.06	372303.87	32°01'17.244"N	103°35'59.595"W	1.00	-1.00	0.00	
3132.60†	3.460	323.911	3125.72	-135.26	134.46	-98.01	727309.99	372309.45	32°01'17.300"N	103°35'59.642"W	1.00	-1.00	0.00	
3232.60†	2.460	323.911	3225.59	-139.46	138.63	-101.05	727306.95	372313.63	32°01'17.341"N	103°35'59.677"W	1.00	-1.00	0.00	
3332.60†	1.460	323.911	3325.53	-142.24	141.40	-103.07	727304.94	372316.39	32°01'17.369"N	103°35'59.700"W	1.00	-1.00	0.00	
3432.60†	0.460	323.911	3425.51	-143.60	142.75	-104.05	727303.95	372317.75	32°01'17.382"N	103°35'59.712"W	1.00	-1.00	0.00	
3478.64	0.000	179.533	3471.55	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	1.00	-1.00	78.39	End of Drop
3532.60†	0.000	179.533	3525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
3632.60†	0.000	179.533	3625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
3732.60†	0.000	179.533	3725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
3832.60†	0.000	179.533	3825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
3932.60†	0.000	179.533	3925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4032.60†	0.000	179.533	4025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4132.60†	0.000	179.533	4125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4232.60†	0.000	179.533	4225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4332.60†	0.000	179.533	4325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4432.60†	0.000	179.533	4425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4532.60†	0.000	179.533	4525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4632.60†	0.000	179.533	4625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4732.60†	0.000	179.533	4725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4832.60†	0.000	179.533	4825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
4932.60†	0.000	179.533	4925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5032.60†	0.000	179.533	5025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5132.60†	0.000	179.533	5125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5232.60†	0.000	179.533	5225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5332.60†	0.000	179.533	5325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5432.60†	0.000	179.533	5425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
5532.60†	0.000	179.533	5525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5632.60†	0.000	179.533	5625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5732.60†	0.000	179.533	5725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5832.60†	0.000	179.533	5825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
5932.60†	0.000	179.533	5925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6032.60†	0.000	179.533	6025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6132.60†	0.000	179.533	6125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6232.60†	0.000	179.533	6225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6332.60†	0.000	179.533	6325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6432.60†	0.000	179.533	6425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6532.60†	0.000	179.533	6525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6632.60†	0.000	179.533	6625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6732.60†	0.000	179.533	6725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6832.60†	0.000	179.533	6825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
6932.60†	0.000	179.533	6925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7032.60†	0.000	179.533	7025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7132.60†	0.000	179.533	7125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7232.60†	0.000	179.533	7225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7332.60†	0.000	179.533	7325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7432.60†	0.000	179.533	7425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7532.60†	0.000	179.533	7525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7632.60†	0.000	179.533	7625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7732.60†	0.000	179.533	7725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7832.60†	0.000	179.533	7825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
7932.60†	0.000	179.533	7925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8032.60†	0.000	179.533	8025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8132.60†	0.000	179.533	8125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8232.60†	0.000	179.533	8225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8332.60†	0.000	179.533	8325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8432.60†	0.000	179.533	8425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
8532.60†	0.000	179.533	8525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8632.60†	0.000	179.533	8625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8732.60†	0.000	179.533	8725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8832.60†	0.000	179.533	8825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
8932.60†	0.000	179.533	8925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9032.60†	0.000	179.533	9025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9132.60†	0.000	179.533	9125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9232.60†	0.000	179.533	9225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9332.60†	0.000	179.533	9325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9432.60†	0.000	179.533	9425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9532.60†	0.000	179.533	9525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9632.60†	0.000	179.533	9625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9732.60†	0.000	179.533	9725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9832.60†	0.000	179.533	9825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
9932.60†	0.000	179.533	9925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10032.60†	0.000	179.533	10025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10132.60†	0.000	179.533	10125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10232.60†	0.000	179.533	10225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10332.60†	0.000	179.533	10325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10432.60†	0.000	179.533	10425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10532.60†	0.000	179.533	10525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10632.60†	0.000	179.533	10625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10732.60†	0.000	179.533	10725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10832.60†	0.000	179.533	10825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
10932.60†	0.000	179.533	10925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11032.60†	0.000	179.533	11025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11132.60†	0.000	179.533	11125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11232.60†	0.000	179.533	11225.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11332.60†	0.000	179.533	11325.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11432.60†	0.000	179.533	11425.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
11532.60†	0.000	179.533	11525.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11632.60†	0.000	179.533	11625.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11732.60†	0.000	179.533	11725.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11832.60†	0.000	179.533	11825.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
11932.60†	0.000	179.533	11925.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
12032.60†	0.000	179.533	12025.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
12132.60†	0.000	179.533	12125.51	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	
12147.82	0.000	179.533	12140.74	-143.75	142.90	-104.16	727303.84	372317.90	32°01'17.384"N	103°35'59.713"W	0.00	0.00	0.00	End of Tangent
12232.60†	10.173	179.533	12225.07	-136.24	135.39	-104.10	727303.90	372310.39	32°01'17.309"N	103°35'59.713"W	12.00	12.00	211.77	
12332.60†	22.173	179.533	12320.94	-108.44	107.59	-103.88	727304.13	372282.59	32°01'17.034"N	103°35'59.712"W	12.00	12.00	0.00	
12365.00†	26.061	179.533	12350.50	-95.20	94.36	-103.77	727304.24	372269.35	32°01'16.903"N	103°35'59.712"W	12.00	12.00	0.00	FTP crossing
12432.60†	34.173	179.533	12408.93	-61.31	60.46	-103.49	727304.51	372235.46	32°01'16.568"N	103°35'59.712"W	12.00	12.00	0.00	
12532.60†	46.173	179.533	12485.20	3.08	-3.93	-102.97	727305.04	372171.07	32°01'15.931"N	103°35'59.711"W	12.00	12.00	0.00	
12632.60†	58.173	179.533	12546.41	81.92	-82.77	-102.32	727305.68	372092.24	32°01'15.150"N	103°35'59.709"W	12.00	12.00	0.00	
12732.60†	70.173	179.533	12589.90	171.77	-172.61	-101.59	727306.41	372002.40	32°01'14.261"N	103°35'59.708"W	12.00	12.00	0.00	
12832.60†	82.173	179.533	12613.75	268.70	-269.53	-100.80	727307.20	371905.48	32°01'13.302"N	103°35'59.706"W	12.00	12.00	0.00	
12889.07	88.950	179.533	12618.12	324.96	-325.80	-100.34	727307.66	371849.21	32°01'12.745"N	103°35'59.705"W	12.00	12.00	0.00	End of Build
12932.60†	88.950	179.533	12618.92	368.49	-369.32	-99.99	727308.01	371805.69	32°01'12.315"N	103°35'59.705"W	0.00	0.00	0.00	
13032.60†	88.950	179.533	12620.75	468.47	-469.30	-99.17	727308.83	371705.72	32°01'11.325"N	103°35'59.703"W	0.00	0.00	0.00	
13132.60†	88.950	179.533	12622.58	568.45	-569.28	-98.36	727309.64	371605.74	32°01'10.336"N	103°35'59.702"W	0.00	0.00	0.00	
13232.60†	88.950	179.533	12624.42	668.44	-669.26	-97.54	727310.46	371505.76	32°01'09.346"N	103°35'59.700"W	0.00	0.00	0.00	
13332.60†	88.950	179.533	12626.25	768.42	-769.24	-96.73	727311.27	371405.79	32°01'08.357"N	103°35'59.698"W	0.00	0.00	0.00	
13432.60†	88.950	179.533	12628.08	868.40	-869.22	-95.91	727312.09	371305.81	32°01'07.367"N	103°35'59.697"W	0.00	0.00	0.00	
13532.60†	88.950	179.533	12629.91	968.39	-969.20	-95.10	727312.90	371205.83	32°01'06.378"N	103°35'59.695"W	0.00	0.00	0.00	
13632.60†	88.950	179.533	12631.74	1068.37	-1069.18	-94.28	727313.72	371105.86	32°01'05.389"N	103°35'59.694"W	0.00	0.00	0.00	
13732.60†	88.950	179.533	12633.58	1168.35	-1169.16	-93.47	727314.53	371005.88	32°01'04.399"N	103°35'59.692"W	0.00	0.00	0.00	
13832.60†	88.950	179.533	12635.41	1268.34	-1269.14	-92.65	727315.35	370905.90	32°01'03.410"N	103°35'59.691"W	0.00	0.00	0.00	
13932.60†	88.950	179.533	12637.24	1368.32	-1369.12	-91.84	727316.16	370805.93	32°01'02.420"N	103°35'59.689"W	0.00	0.00	0.00	
14032.60†	88.950	179.533	12639.07	1468.30	-1469.10	-91.02	727316.98	370705.95	32°01'01.431"N	103°35'59.687"W	0.00	0.00	0.00	
14132.60†	88.950	179.533	12640.91	1568.28	-1569.08	-90.21	727317.79	370605.98	32°01'00.442"N	103°35'59.686"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
14232.60†	88.950	179.533	12642.74	1668.27	-1669.06	-89.39	727318.61	370506.00	32°00'59.452"N	103°35'59.684"W	0.00	0.00	0.00	
14332.60†	88.950	179.533	12644.57	1768.25	-1769.04	-88.58	727319.42	370406.02	32°00'58.463"N	103°35'59.683"W	0.00	0.00	0.00	
14432.60†	88.950	179.533	12646.40	1868.23	-1869.02	-87.76	727320.24	370306.05	32°00'57.473"N	103°35'59.681"W	0.00	0.00	0.00	
14532.60†	88.950	179.533	12648.24	1968.22	-1969.00	-86.95	727321.05	370206.07	32°00'56.484"N	103°35'59.679"W	0.00	0.00	0.00	
14632.60†	88.950	179.533	12650.07	2068.20	-2068.98	-86.13	727321.87	370106.09	32°00'55.495"N	103°35'59.678"W	0.00	0.00	0.00	
14732.60†	88.950	179.533	12651.90	2168.18	-2168.96	-85.32	727322.68	370006.12	32°00'54.505"N	103°35'59.676"W	0.00	0.00	0.00	
14832.60†	88.950	179.533	12653.73	2268.17	-2268.94	-84.50	727323.50	369906.14	32°00'53.516"N	103°35'59.675"W	0.00	0.00	0.00	
14932.60†	88.950	179.533	12655.57	2368.15	-2368.92	-83.69	727324.31	369806.16	32°00'52.526"N	103°35'59.673"W	0.00	0.00	0.00	
15032.60†	88.950	179.533	12657.40	2468.13	-2468.90	-82.88	727325.13	369706.19	32°00'51.537"N	103°35'59.671"W	0.00	0.00	0.00	
15132.60†	88.950	179.533	12659.23	2568.12	-2568.88	-82.06	727325.94	369606.21	32°00'50.547"N	103°35'59.670"W	0.00	0.00	0.00	
15232.60†	88.950	179.533	12661.06	2668.10	-2668.86	-81.25	727326.76	369506.23	32°00'49.558"N	103°35'59.668"W	0.00	0.00	0.00	
15332.60†	88.950	179.533	12662.90	2768.08	-2768.84	-80.43	727327.57	369406.26	32°00'48.569"N	103°35'59.667"W	0.00	0.00	0.00	
15432.60†	88.950	179.533	12664.73	2868.07	-2868.82	-79.62	727328.39	369306.28	32°00'47.579"N	103°35'59.665"W	0.00	0.00	0.00	
15532.60†	88.950	179.533	12666.56	2968.05	-2968.80	-78.80	727329.20	369206.30	32°00'46.590"N	103°35'59.664"W	0.00	0.00	0.00	
15632.60†	88.950	179.533	12668.39	3068.03	-3068.78	-77.99	727330.02	369106.33	32°00'45.600"N	103°35'59.662"W	0.00	0.00	0.00	
15732.60†	88.950	179.533	12670.23	3168.02	-3168.76	-77.17	727330.83	369006.35	32°00'44.611"N	103°35'59.660"W	0.00	0.00	0.00	
15832.60†	88.950	179.533	12672.06	3268.00	-3268.74	-76.36	727331.65	368906.37	32°00'43.622"N	103°35'59.659"W	0.00	0.00	0.00	
15932.60†	88.950	179.533	12673.89	3367.98	-3368.72	-75.54	727332.46	368806.40	32°00'42.632"N	103°35'59.657"W	0.00	0.00	0.00	
16032.60†	88.950	179.533	12675.72	3467.97	-3468.70	-74.73	727333.28	368706.42	32°00'41.643"N	103°35'59.656"W	0.00	0.00	0.00	
16132.60†	88.950	179.533	12677.56	3567.95	-3568.68	-73.91	727334.09	368606.44	32°00'40.653"N	103°35'59.654"W	0.00	0.00	0.00	
16232.60†	88.950	179.533	12679.39	3667.93	-3668.66	-73.10	727334.91	368506.47	32°00'39.664"N	103°35'59.652"W	0.00	0.00	0.00	
16244.07	88.950	179.533	12679.60†	3679.40	-3680.12	-73.00	727335.00	368495.00	32°00'39.550"N	103°35'59.652"W	0.00	0.00	0.00	End of Tangent
16277.89	89.626	179.533	12680.02	3713.22	-3713.94	-72.73	727335.28	368461.18	32°00'39.216"N	103°35'59.652"W	2.00	2.00	0.00	End of 3D Arc
16332.60†	89.626	179.533	12680.38	3767.93	-3768.65	-72.28	727335.72	368406.48	32°00'38.674"N	103°35'59.651"W	0.00	0.00	0.00	
16432.60†	89.626	179.533	12681.03	3867.92	-3868.64	-71.47	727336.54	368306.49	32°00'37.685"N	103°35'59.649"W	0.00	0.00	0.00	
16532.60†	89.626	179.533	12681.68	3967.92	-3968.64	-70.65	727337.35	368206.50	32°00'36.695"N	103°35'59.648"W	0.00	0.00	0.00	
16632.60†	89.626	179.533	12682.33	4067.92	-4068.63	-69.84	727338.16	368106.51	32°00'35.706"N	103°35'59.646"W	0.00	0.00	0.00	
16732.60†	89.626	179.533	12682.98	4167.92	-4168.62	-69.02	727338.98	368006.52	32°00'34.716"N	103°35'59.645"W	0.00	0.00	0.00	
16832.60†	89.626	179.533	12683.64	4267.92	-4268.62	-68.21	727339.79	367906.52	32°00'33.727"N	103°35'59.643"W	0.00	0.00	0.00	
16932.60†	89.626	179.533	12684.29	4367.91	-4368.61	-67.39	727340.61	367806.53	32°00'32.737"N	103°35'59.641"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
17032.60†	89.626	179.533	12684.94	4467.91	-4468.61	-66.58	727341.42	367706.54	32°00'31.748"N	103°35'59.640"W	0.00	0.00	0.00	
17132.60†	89.626	179.533	12685.59	4567.91	-4568.60	-65.77	727342.24	367606.55	32°00'30.758"N	103°35'59.638"W	0.00	0.00	0.00	
17232.60†	89.626	179.533	12686.25	4667.91	-4668.60	-64.95	727343.05	367506.56	32°00'29.768"N	103°35'59.637"W	0.00	0.00	0.00	
17332.60†	89.626	179.533	12686.90	4767.91	-4768.59	-64.14	727343.86	367406.57	32°00'28.779"N	103°35'59.635"W	0.00	0.00	0.00	
17432.60†	89.626	179.533	12687.55	4867.90	-4868.59	-63.32	727344.68	367306.58	32°00'27.789"N	103°35'59.634"W	0.00	0.00	0.00	
17532.60†	89.626	179.533	12688.20	4967.90	-4968.58	-62.51	727345.49	367206.59	32°00'26.800"N	103°35'59.632"W	0.00	0.00	0.00	
17632.60†	89.626	179.533	12688.85	5067.90	-5068.58	-61.69	727346.31	367106.60	32°00'25.810"N	103°35'59.630"W	0.00	0.00	0.00	
17732.60†	89.626	179.533	12689.51	5167.90	-5168.57	-60.88	727347.12	367006.60	32°00'24.821"N	103°35'59.629"W	0.00	0.00	0.00	
17832.60†	89.626	179.533	12690.16	5267.89	-5268.56	-60.07	727347.94	366906.61	32°00'23.831"N	103°35'59.627"W	0.00	0.00	0.00	
17932.60†	89.626	179.533	12690.81	5367.89	-5368.56	-59.25	727348.75	366806.62	32°00'22.841"N	103°35'59.626"W	0.00	0.00	0.00	
18032.60†	89.626	179.533	12691.46	5467.89	-5468.55	-58.44	727349.57	366706.63	32°00'21.852"N	103°35'59.624"W	0.00	0.00	0.00	
18132.60†	89.626	179.533	12692.11	5567.89	-5568.55	-57.62	727350.38	366606.64	32°00'20.862"N	103°35'59.622"W	0.00	0.00	0.00	
18232.60†	89.626	179.533	12692.77	5667.89	-5668.54	-56.81	727351.19	366506.65	32°00'19.873"N	103°35'59.621"W	0.00	0.00	0.00	
18332.60†	89.626	179.533	12693.42	5767.88	-5768.54	-55.99	727352.01	366406.66	32°00'18.883"N	103°35'59.619"W	0.00	0.00	0.00	
18432.60†	89.626	179.533	12694.07	5867.88	-5868.53	-55.18	727352.82	366306.67	32°00'17.894"N	103°35'59.618"W	0.00	0.00	0.00	
18532.60†	89.626	179.533	12694.72	5967.88	-5968.53	-54.36	727353.64	366206.67	32°00'16.904"N	103°35'59.616"W	0.00	0.00	0.00	
18632.60†	89.626	179.533	12695.37	6067.88	-6068.52	-53.55	727354.45	366106.68	32°00'15.915"N	103°35'59.615"W	0.00	0.00	0.00	
18732.60†	89.626	179.533	12696.03	6167.88	-6168.52	-52.74	727355.27	366006.69	32°00'14.925"N	103°35'59.613"W	0.00	0.00	0.00	
18832.60†	89.626	179.533	12696.68	6267.87	-6268.51	-51.92	727356.08	365906.70	32°00'13.935"N	103°35'59.611"W	0.00	0.00	0.00	
18932.60†	89.626	179.533	12697.33	6367.87	-6368.50	-51.11	727356.89	365806.71	32°00'12.946"N	103°35'59.610"W	0.00	0.00	0.00	
19032.60†	89.626	179.533	12697.98	6467.87	-6468.50	-50.29	727357.71	365706.72	32°00'11.956"N	103°35'59.608"W	0.00	0.00	0.00	
19132.60†	89.626	179.533	12698.63	6567.87	-6568.49	-49.48	727358.52	365606.73	32°00'10.967"N	103°35'59.607"W	0.00	0.00	0.00	
19232.60†	89.626	179.533	12699.29	6667.86	-6668.49	-48.66	727359.34	365506.74	32°00'09.977"N	103°35'59.605"W	0.00	0.00	0.00	
19332.60†	89.626	179.533	12699.94	6767.86	-6768.48	-47.85	727360.15	365406.75	32°00'08.988"N	103°35'59.604"W	0.00	0.00	0.00	
19432.60†	89.626	179.533	12700.59	6867.86	-6868.48	-47.03	727360.97	365306.75	32°00'07.998"N	103°35'59.602"W	0.00	0.00	0.00	
19532.60†	89.626	179.533	12701.24	6967.86	-6968.47	-46.22	727361.78	365206.76	32°00'07.009"N	103°35'59.600"W	0.00	0.00	0.00	
19632.60†	89.626	179.533	12701.89	7067.86	-7068.47	-45.41	727362.60	365106.77	32°00'06.019"N	103°35'59.599"W	0.00	0.00	0.00	
19732.60†	89.626	179.533	12702.55	7167.85	-7168.46	-44.59	727363.41	365006.78	32°00'05.029"N	103°35'59.597"W	0.00	0.00	0.00	
19832.60†	89.626	179.533	12703.20	7267.85	-7268.46	-43.78	727364.22	364906.79	32°00'04.040"N	103°35'59.596"W	0.00	0.00	0.00	
19932.60†	89.626	179.533	12703.85	7367.85	-7368.45	-42.96	727365.04	364806.80	32°00'03.050"N	103°35'59.594"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 32 Fed Com P11 14H
Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

WELLPATH DATA (214 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
20032.60†	89.626	179.533	12704.50	7467.85	-7468.44	-42.15	727365.85	364706.81	32°00'02.061"N	103°35'59.592"W	0.00	0.00	0.00	
20098.00†	89.626	179.533	12704.93	7533.25	-7533.84	-41.62	727366.39	364641.41	32°00'01.414"N	103°35'59.591"W	0.00	0.00	0.00	LTP crossing
20132.60†	89.626	179.533	12705.15	7567.85	-7568.44	-41.33	727366.67	364606.82	32°00'01.071"N	103°35'59.591"W	0.00	0.00	0.00	
20173.42	89.626	179.533	12705.42†	7608.66	-7609.26	-41.00	727367.00	364566.00	32°00'00.667"N	103°35'59.590"W	0.00	0.00	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: SD EA 29 32 Fed Com P11 14H Ref Wellpath: SD EA 29 32 Fed Com P11 14H Rev F.0

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
13.375in Casing	32.60	800.00	767.40	32.60	800.00	0.00	0.00	0.00	0.00
9.625in Casing	32.60	11051.09	11018.49	32.60	11044.00	0.00	0.00	142.90	-104.16
5.5in Casing	32.60	20173.42	20140.82	32.60	12705.42	0.00	0.00	-7609.26	-41.00

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SD EA 29 32 Fed Com P11 14H FTP		12614.44	94.00	-104.00	727304.00	372269.00	32°01'16.900"N	103°35'59.715"W	point
1) SD EA 29 32 Fed Com P11 14H MP	16244.07	12679.60	-3680.12	-73.00	727335.00	368495.00	32°00'39.550"N	103°35'59.652"W	point
2) SD EA 29 32 Fed Com P11 14H PBHL rev 3	20173.42	12705.42	-7609.26	-41.00	727367.00	364566.00	32°00'00.667"N	103°35'59.590"W	rectangle
SD EA 29 32 Fed Com P11 14H LTP		12706.27	-7454.25	-42.00	727366.00	364721.00	32°00'02.201"N	103°35'59.590"W	point



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Area	Lea County, NM	Well	SD EA 29 32 Fed Com P11 14H
Field	Bone Spring (Lea County, NM) NAD27	Wellbore	SD EA 29 32 Fed Com P11 14H
Facility	SD EA 29 32 Fed Com P11		

SURVEY PROGRAM - Ref Wellbore: SD EA 29 32 Fed Com P11 14H Ref Wellpath: SD EA 29 32 Fed Com P11 14H Rev F.0				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	800.00	BHI NaviTrak (Axial)		SD EA 29 32 Fed Com P11 14H
800.00	11044.00	BHI NaviTrak (Axial)		SD EA 29 32 Fed Com P11 14H
11044.00	20177.52	BHI AutoTrak Curve (Short)		SD EA 29 32 Fed Com P11 14H