

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**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM27506
2. Name of Operator CHEVRON USA INC		6. If Indian, Allottee or Tribe Name
3a. Address 1616 W. BENDER BLVD HOBBS, NM 88240		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-687-7375		8. Well Name and No. SD EA 29 FED COM P8 10H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T26S R33E NWNE 136FNL 1657FEL		9. API Well No. 30-025-43269-00-X1
		10. Field and Pool or Exploratory Area WC025G06S263319P-BONE SPRING
		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 recomple 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 recomple 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.

PLEASE FIND ATTACHED, A NEW DIRECTIONAL SURVEY, A NEW PLOT AND A NEW CERTIFIED C-102 PLAT SHOWING A NEW FIELD AND POOL AND A NEW BHL.

BHL:

OLD LOCATION: 180' FSL, & 1651' FEL, UL: G, SECTION 32, 26S, 33E

NEW LOCATION: 180' FSL, & 1170' FEL, UL: H, SECTION 32, 26S, 33E

THE FIELD AND POOL HAS CHANGED FROM BONE SPRING TO UPPER WOLFCAMP.

FOR QUESTIONS/CONCERNS, CONTACT BRYSON ABNEY, CHEVRON DRILLING ENGINEER, AT 713-372-6447.

** NM OLD CONDITIONS OF APPROVAL
WILL REQUIRE ADMIN ORDER NSL FROM SANTA FE*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #376018 verified by the BLM Well Information System For CHEVRON USA INC, sent to the Hobbs Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/15/2017 (17DLM1066SE)	
Name (Printed/Typed) DENISE PINKERTON	Title PERMITTING SPECIALIST
Signature (Electronic Submission)	Date 05/12/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>ZOTA STEVENS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>08/24/2017</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 <u>Hobbs</u>

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 *****KZ*

NW ARCH. AREA CORNER	NE ARCH. AREA CORNER	SE ARCH. AREA CORNER	SW ARCH. AREA CORNER
X= 729,858 NAD 27 Y= 372,571	X= 730,533 NAD 27 Y= 372,576	X= 730,537 NAD 27 Y= 371,976	X= 729,862 NAD 27 Y= 371,971
ELEVATION +3250' NAVD 88	ELEVATION +3258' NAVD 88	ELEVATION +3237' NAVD 88	ELEVATION +3243' NAVD 88
NW PAD CORNER	NE PAD CORNER	SE PAD CORNER	SW PAD CORNER
X= 729,949 NAD 27 Y= 372,387	X= 730,444 NAD 27 Y= 372,390	X= 730,447 NAD 27 Y= 372,016	X= 729,952 NAD 27 Y= 372,012
ELEVATION +3256' NAVD 88	ELEVATION +3248' NAVD 88	ELEVATION +3238' NAVD 88	ELEVATION +3244' NAVD 88

R 33 E

Sec. 20

Bureau of Land Management

LEGEND	
—	Section Line
— P —	Existing Powerline
—	Existing Pad/Road
—	Existing Pipeline
—	Proposed Pad
—	Pipeline ROW
●	End Monument

SD EA 29 FED COM P8 10H
X= 730,185 NAD 27
Y= 372,252
LAT. 32 02 1261
LONG 103 59 0625
X= 771,373 NAD83
Y= 372,309
LAT. 32 02 1386
LONG 103 59 1091
ELEVATION +3250' NAVD 88

PROPOSED
ARCHAEOLOGICAL
AREA
±5.04 Acres

PROPOSED PAD
±4.26 Acres

SD EA 29 Fed Com P8
No 10H Well
136' FNL
1,657' FEL

S 89° 37' 04" W 1,397.37'

Existing
Salado Draw
29 26 33 Fed Com
5H-8H Drillsite (Pad 2)

Point of
Commencement/
Fnd. 2" Iron Pipe
w/Cap @ the NE
Corner of Sec. 29

T
26
S

Sec. 29

Bureau of Land Management

Existing
Salado Draw
29 26 33 Fed Com
5H-8H Access Road
& Pipeline ROW

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional
Surveyor, do hereby state this plat is true
and correct to the best of my knowledge



Robert L. Lastrapes
Registration No. 23006

WELL PLAT

Page 1 of 2

CHEVRON U.S.A. INC.

PROPOSED PAD

SD EA 29 FED COM P8 NO. 10H WELL

SECTION 29, T26S-R33E

LEA COUNTY, NEW MEXICO

DRAWN BY: BOR

REVISIONS

PROJ MGR. VHV

No 2

DATE: 02/22/2017

REVISED BY: BOR

DATE: 11/25/2014

No 3

DATE: 05/10/2017

REVISED BY: AMT

FILENAME: T:\2014\2149585\DWG\SD EA 29 Fed Com P8 10H_WellPlat.dwg

C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph 337-237-2200 Fax 337-232-3289
www.fenstermaker.com



Scale 1" = 200'
200' 0 100' 200'

NAD 27 NEW MEXICO EAST ZONE

NOTE

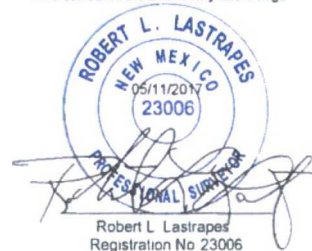
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, such as fiber optic cables, PVC pipelines, etc. may exist undetected on site.

NOTE

Many states maintain information centers that establish links between those who dig (excavators) and those who own and operate underground facilities (operators). It is advisable and in most states, law, for the contractor to contact the center for assistance in locating and marking underground utilities. For guidance, New Mexico One Call - www.nmonecall.org

DISCLAIMER: At this time, C. H. Fenstermaker & Associates, L.L.C. has not performed nor was asked to perform any type of engineering, hydrological modeling, flood plain, or "No Rise" certification analyses, including but not limited to determining whether the project will impact flood hazards in connection with federal/FEMA, state and/or local laws, ordinances and regulations. Accordingly, Fenstermaker makes no warranty or representation of any kind as to the foregoing issues, and persons or entities using this information shall do so at their own risk.

FOR THE EXCLUSIVE USE OF
CHEVRON U.S.A. INC.
I, Robert L. Lastrapes, Professional
Surveyor, do hereby state this plat is true
and correct to the best of my knowledge.



PROPOSED PAD		
COURSE	BEARING	DISTANCE
1	S 00° 22' 56" E	375.00'
2	S 89° 37' 04" W	495.00'
3	N 00° 22' 56" W	375.00'
4	N 89° 37' 04" E	495.00'

WELL PLAT

Page 2 of 2

CHEVRON U.S.A. INC.

PROPOSED PAD
SD EA 29 FED COM P8 NO. 10H WELL
SECTION 29, T26S-R33E
LEA COUNTY, NEW MEXICO

DRAWN BY BOR		REVISIONS			
PROJ MGR VHV	No 2	DATE: 02/22/2017	REVISED BY BOR		
DATE 11/25/2014	No 3	DATE: 05/10/2017	REVISED BY: AMT		
FILENAME T:\2014\2149585\DWG\SD EA 29 Fed Com P8 10H WellPlat.dwg					



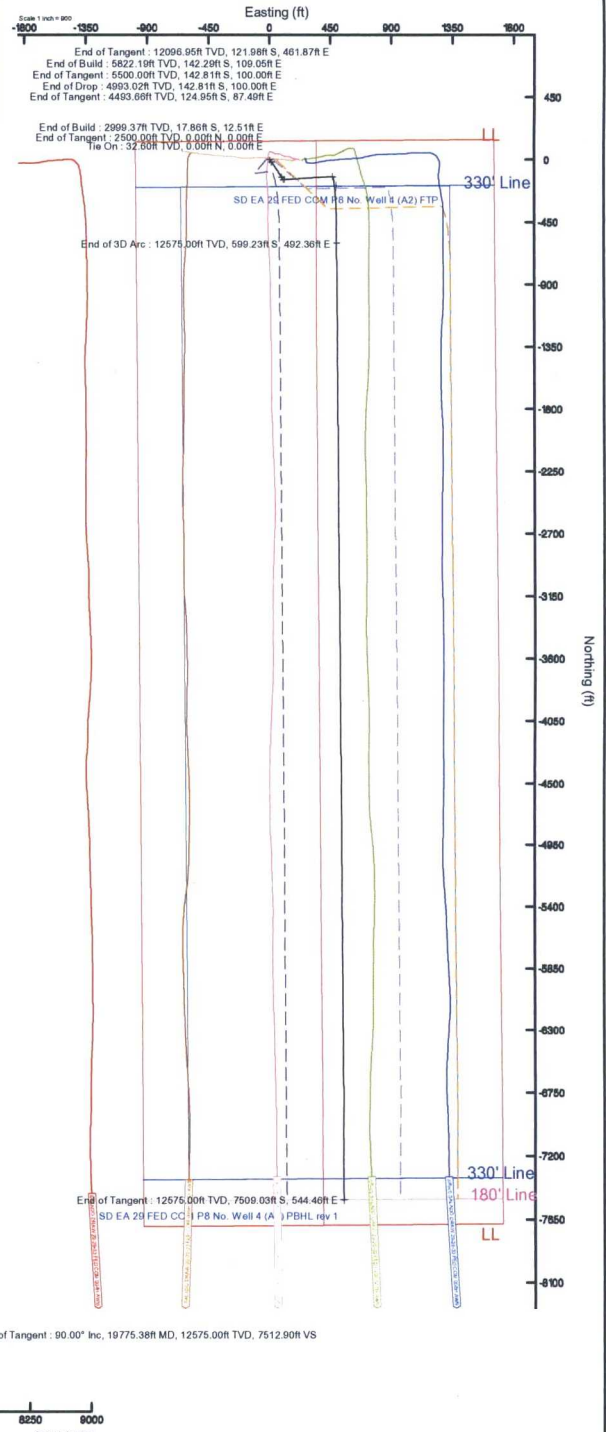
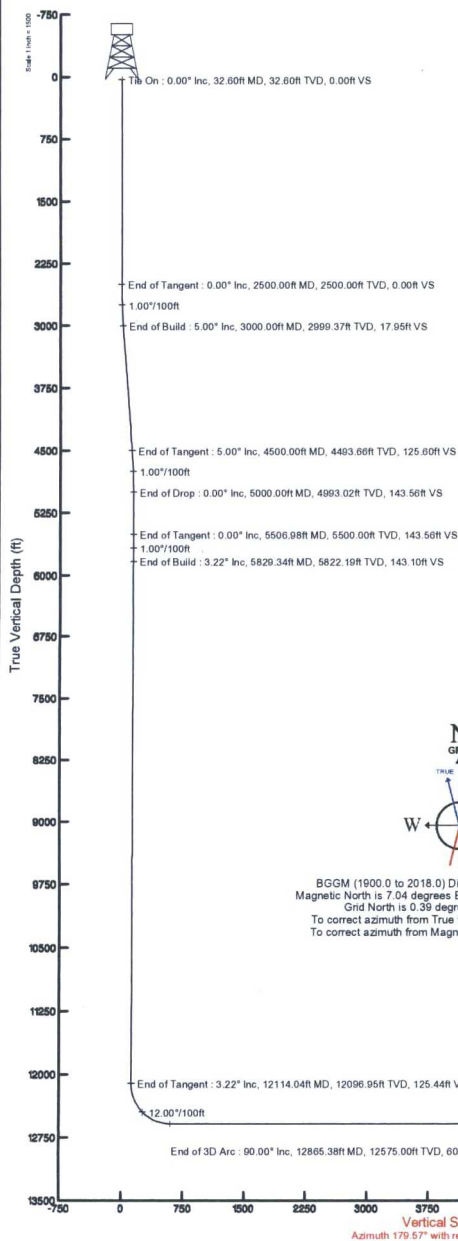
C. H. Fenstermaker & Associates, L.L.C.
135 Regency Sq. Lafayette, LA 70508
Ph: 337-237-2200 Fax: 337-232-3299
www.fenstermaker.com

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	32.80	0.000	145.000	32.80	0.00	0.00	0.00	0.00
End of Tangent	2500.00	0.000	145.000	2500.00	0.00	0.00	0.00	0.00
End of Build	3000.00	5.000	145.000	2999.37	-17.88	12.51	1.00	17.95
End of Tangent	4500.00	5.000	145.000	4493.66	-124.95	87.49	0.00	125.60
End of Drop	5000.00	0.000	86.705	4993.02	-142.81	100.00	1.00	143.56
End of Tangent	5506.98	0.000	86.705	5500.00	-142.81	100.00	0.00	143.56
End of Build	5829.34	3.224	86.705	5822.19	-142.29	109.05	1.00	143.10
End of Tangent	12114.04	3.224	86.705	12096.95	-121.98	461.87	0.00	125.44
End of 3D Arc	12865.38	90.000	179.568	12575.00	-599.23	492.36	12.00	602.90
End of Tangent	19775.38	90.000	179.568	12575.00	-7509.03	544.46	0.00	7512.90

Bottom Hole Location									
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
19775.38	90.000	179.568	12575.00	-7509.03	544.46	730729.44	364744.21	32°00'02.203"N	103°35'20.531"W

Spot reference walpath is SD EA 20 FED COM P8 Rev B 0 True vertical depths are referenced to Rig Nabors X30 (KB) Measured depths are referenced to Rig Nabors X30 (KB) Rig Nabors X30 (KB) is Mean Sea Level, 3256.2 feet Mean Sea Level to Ground level (AL St) SD EA 20 FED COM P8 10th -3256 feet Coordinates are in feet referenced to Spot	Grid System NAD27 / TM New Mexico SP Eastman Zone 10011, US feet * = Walpath was transformed from a different geoidic datum North Reference: Grid north Scale: True distance Depths are in feet Created by: Iranian on 2017-06-10 Database: WA_Midland
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Location Information						
Facility Name		Grid East (US ft)		Grid North (US ft)	Latitude	Longitude
SD EA 29 FED Com Pl		737258.000		372268.000	32° 01' 16" 647"N	103° 35' 26" 672"W
Spot	Local (ft)	Local (ft)		Grid East (US ft)	Latitude	Longitude
SD EA 29 FED COM PB 10H	0.00	-65.00		737265.000	32° 01' 16" 647"N	103° 35' 26" 254"W
Rtg. Nelsons X30 (KB) to Ground level (At Spot: SD EA 29 FED COM PB 10H)					32.00	
Mean Sea Level to Ground level (At Spot: SD EA 29 FED COM PB 10H)					-3260ft	
Rtg. Nelsons X30 (KB) to Mean Sea Level					3282.00	





Planned Wellpath Report

SD EA 29 FED COM P8 10H Rev B.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 5.0
North Reference	Grid	User	Tranlam
Scale	0.999970	Report Generated	5/10/2017 at 3:29:13 PM
Convergence at slot	0.39° East	Database/Source file	WA_Midland/SD_EA_29_FED_COM_P8_10H_Rev_B.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	-50.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W
Facility Reference Pt			730235.00	372253.00	32°01'16.543"N	103°35'25.673"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	3282.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3282.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 29 FED COM P8 10H)	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	179.57°



Planned Wellpath Report

SD EA 29 FED COM P8 10H Rev B.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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	145.000	0.00	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
32.60	0.000	145.000	32.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	Tie On
132.60†	0.000	145.000	132.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
232.60†	0.000	145.000	232.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
332.60†	0.000	145.000	332.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
432.60†	0.000	145.000	432.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
532.60†	0.000	145.000	532.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
632.60†	0.000	145.000	632.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
732.60†	0.000	145.000	732.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
832.60†	0.000	145.000	832.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
932.60†	0.000	145.000	932.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1032.60†	0.000	145.000	1032.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1132.60†	0.000	145.000	1132.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1232.60†	0.000	145.000	1232.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1332.60†	0.000	145.000	1332.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1432.60†	0.000	145.000	1432.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1532.60†	0.000	145.000	1532.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1632.60†	0.000	145.000	1632.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1732.60†	0.000	145.000	1732.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1832.60†	0.000	145.000	1832.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
1932.60†	0.000	145.000	1932.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2032.60†	0.000	145.000	2032.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2132.60†	0.000	145.000	2132.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2232.60†	0.000	145.000	2232.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2332.60†	0.000	145.000	2332.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2432.60†	0.000	145.000	2432.60	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	
2500.00	0.000	145.000	2500.00	0.00	0.00	0.00	730185.00	372253.00	32°01'16.547"N	103°35'26.254"W	0.00	0.00	0.00	End of Tangent
2532.60†	0.326	145.000	2532.60	0.08	-0.08	0.05	730185.05	372252.92	32°01'16.546"N	103°35'26.253"W	1.00	1.00	444.79	
2632.60†	1.326	145.000	2632.59	1.26	-1.26	0.88	730185.88	372251.74	32°01'16.534"N	103°35'26.244"W	1.00	1.00	0.00	
2732.60†	2.326	145.000	2732.54	3.89	-3.87	2.71	730187.71	372249.13	32°01'16.508"N	103°35'26.223"W	1.00	1.00	0.00	



Planned Wellpath Report

SD EA 29 FED COM P8 10H Rev B.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
2832.60†	3.326	145.000	2832.41	7.95	-7.91	5.54	730190.54	372245.09	32°01'16.468"N	103°35'26.190"W	1.00	1.00	0.00	
2932.60†	4.326	145.000	2932.19	13.44	-13.37	9.36	730194.36	372239.63	32°01'16.414"N	103°35'26.146"W	1.00	1.00	0.00	
3000.00	5.000	145.000	2999.37	17.95	-17.86	12.51	730197.51	372235.14	32°01'16.369"N	103°35'26.110"W	1.00	1.00	0.00	End of Build
3032.60†	5.000	145.000	3031.84	20.29	-20.19	14.14	730199.13	372232.81	32°01'16.346"N	103°35'26.091"W	0.00	0.00	0.00	
3132.60†	5.000	145.000	3131.46	27.47	-27.33	19.13	730204.13	372225.67	32°01'16.275"N	103°35'26.034"W	0.00	0.00	0.00	
3232.60†	5.000	145.000	3231.08	34.65	-34.47	24.13	730209.13	372218.54	32°01'16.204"N	103°35'25.976"W	0.00	0.00	0.00	
3332.60†	5.000	145.000	3330.70	41.82	-41.61	29.13	730214.13	372211.40	32°01'16.133"N	103°35'25.919"W	0.00	0.00	0.00	
3432.60†	5.000	145.000	3430.32	49.00	-48.74	34.13	730219.13	372204.26	32°01'16.062"N	103°35'25.861"W	0.00	0.00	0.00	
3532.60†	5.000	145.000	3529.94	56.18	-55.88	39.13	730224.13	372197.12	32°01'15.991"N	103°35'25.804"W	0.00	0.00	0.00	
3632.60†	5.000	145.000	3629.56	63.35	-63.02	44.13	730229.13	372189.98	32°01'15.920"N	103°35'25.746"W	0.00	0.00	0.00	
3732.60†	5.000	145.000	3729.18	70.53	-70.16	49.13	730234.13	372182.84	32°01'15.849"N	103°35'25.689"W	0.00	0.00	0.00	
3832.60†	5.000	145.000	3828.80	77.71	-77.30	54.13	730239.13	372175.70	32°01'15.778"N	103°35'25.631"W	0.00	0.00	0.00	
3932.60†	5.000	145.000	3928.42	84.88	-84.44	59.13	730244.12	372168.56	32°01'15.707"N	103°35'25.574"W	0.00	0.00	0.00	
4032.60†	5.000	145.000	4028.04	92.06	-91.58	64.13	730249.12	372161.42	32°01'15.636"N	103°35'25.516"W	0.00	0.00	0.00	
4132.60†	5.000	145.000	4127.66	99.24	-98.72	69.12	730254.12	372154.28	32°01'15.565"N	103°35'25.459"W	0.00	0.00	0.00	
4232.60†	5.000	145.000	4227.28	106.41	-105.86	74.12	730259.12	372147.14	32°01'15.494"N	103°35'25.401"W	0.00	0.00	0.00	
4332.60†	5.000	145.000	4326.89	113.59	-113.00	79.12	730264.12	372140.00	32°01'15.423"N	103°35'25.344"W	0.00	0.00	0.00	
4432.60†	5.000	145.000	4426.51	120.77	-120.14	84.12	730269.12	372132.87	32°01'15.352"N	103°35'25.286"W	0.00	0.00	0.00	
4500.00	5.000	145.000	4493.66	125.60	-124.95	87.49	730272.49	372128.05	32°01'15.304"N	103°35'25.248"W	0.00	0.00	0.00	End of Tangent
4532.60†	4.674	145.000	4526.14	127.87	-127.20	89.07	730274.07	372125.80	32°01'15.282"N	103°35'25.230"W	1.00	-1.00	0.00	
4632.60†	3.674	145.000	4625.88	133.86	-133.16	93.24	730278.24	372119.84	32°01'15.222"N	103°35'25.181"W	1.00	-1.00	0.00	
4732.60†	2.674	145.000	4725.72	138.42	-137.70	96.42	730281.42	372115.30	32°01'15.177"N	103°35'25.145"W	1.00	-1.00	0.00	
4832.60†	1.674	145.000	4825.65	141.54	-140.81	98.59	730283.59	372112.20	32°01'15.147"N	103°35'25.120"W	1.00	-1.00	0.00	
4932.60†	0.674	145.000	4925.62	143.23	-142.49	99.77	730284.77	372110.52	32°01'15.130"N	103°35'25.106"W	1.00	-1.00	0.00	
5000.00	0.000	86.705	4993.02	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	1.00	-1.00	-215.13	End of Drop
5032.60†	0.000	86.705	5025.62	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	
5132.60†	0.000	86.705	5125.62	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	
5232.60†	0.000	86.705	5225.62	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	
5332.60†	0.000	86.705	5325.62	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	
5432.60†	0.000	86.705	5425.62	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
5506.98	0.000	86.705	5500.00	143.56	-142.81	100.00	730284.99	372110.19	32°01'15.127"N	103°35'25.104"W	0.00	0.00	0.00	End of Tangent
5532.60†	0.256	86.705	5525.62	143.55	-142.81	100.05	730285.05	372110.20	32°01'15.127"N	103°35'25.103"W	1.00	1.00	338.38	
5632.60†	1.256	86.705	5625.61	143.49	-142.73	101.37	730286.37	372110.27	32°01'15.127"N	103°35'25.088"W	1.00	1.00	0.00	
5732.60†	2.256	86.705	5725.56	143.33	-142.56	104.43	730289.43	372110.45	32°01'15.129"N	103°35'25.052"W	1.00	1.00	0.00	
5829.34	3.224	86.705	5822.19	143.10	-142.29	109.05	730294.04	372110.72	32°01'15.131"N	103°35'24.999"W	1.00	1.00	0.00	End of Build
5832.60†	3.224	86.705	5825.45	143.09	-142.28	109.23	730294.23	372110.73	32°01'15.131"N	103°35'24.997"W	0.00	0.00	0.00	
5932.60†	3.224	86.705	5925.29	142.81	-141.96	114.85	730299.84	372111.05	32°01'15.134"N	103°35'24.931"W	0.00	0.00	0.00	
6032.60†	3.224	86.705	6025.13	142.53	-141.63	120.46	730305.46	372111.37	32°01'15.137"N	103°35'24.866"W	0.00	0.00	0.00	
6132.60†	3.224	86.705	6124.97	142.25	-141.31	126.07	730311.07	372111.70	32°01'15.140"N	103°35'24.801"W	0.00	0.00	0.00	
6232.60†	3.224	86.705	6224.82	141.97	-140.99	131.69	730316.68	372112.02	32°01'15.142"N	103°35'24.736"W	0.00	0.00	0.00	
6332.60†	3.224	86.705	6324.66	141.69	-140.66	137.30	730322.30	372112.34	32°01'15.145"N	103°35'24.670"W	0.00	0.00	0.00	
6432.60†	3.224	86.705	6424.50	141.41	-140.34	142.91	730327.91	372112.66	32°01'15.148"N	103°35'24.605"W	0.00	0.00	0.00	
6532.60†	3.224	86.705	6524.34	141.13	-140.02	148.53	730333.52	372112.99	32°01'15.151"N	103°35'24.540"W	0.00	0.00	0.00	
6632.60†	3.224	86.705	6624.18	140.85	-139.69	154.14	730339.14	372113.31	32°01'15.154"N	103°35'24.475"W	0.00	0.00	0.00	
6732.60†	3.224	86.705	6724.02	140.57	-139.37	159.76	730344.75	372113.63	32°01'15.157"N	103°35'24.409"W	0.00	0.00	0.00	
6832.60†	3.224	86.705	6823.87	140.28	-139.05	165.37	730350.37	372113.96	32°01'15.159"N	103°35'24.344"W	0.00	0.00	0.00	
6932.60†	3.224	86.705	6923.71	140.00	-138.72	170.98	730355.98	372114.28	32°01'15.162"N	103°35'24.279"W	0.00	0.00	0.00	
7032.60†	3.224	86.705	7023.55	139.72	-138.40	176.60	730361.59	372114.60	32°01'15.165"N	103°35'24.214"W	0.00	0.00	0.00	
7132.60†	3.224	86.705	7123.39	139.44	-138.08	182.21	730367.21	372114.93	32°01'15.168"N	103°35'24.149"W	0.00	0.00	0.00	
7232.60†	3.224	86.705	7223.23	139.16	-137.75	187.83	730372.82	372115.25	32°01'15.171"N	103°35'24.083"W	0.00	0.00	0.00	
7332.60†	3.224	86.705	7323.07	138.88	-137.43	193.44	730378.43	372115.57	32°01'15.173"N	103°35'24.018"W	0.00	0.00	0.00	
7432.60†	3.224	86.705	7422.92	138.60	-137.11	199.05	730384.05	372115.90	32°01'15.176"N	103°35'23.953"W	0.00	0.00	0.00	
7532.60†	3.224	86.705	7522.76	138.32	-136.78	204.67	730389.66	372116.22	32°01'15.179"N	103°35'23.888"W	0.00	0.00	0.00	
7632.60†	3.224	86.705	7622.60	138.04	-136.46	210.28	730395.28	372116.54	32°01'15.182"N	103°35'23.822"W	0.00	0.00	0.00	
7732.60†	3.224	86.705	7722.44	137.75	-136.14	215.90	730400.89	372116.87	32°01'15.185"N	103°35'23.757"W	0.00	0.00	0.00	
7832.60†	3.224	86.705	7822.28	137.47	-135.82	221.51	730406.50	372117.19	32°01'15.188"N	103°35'23.692"W	0.00	0.00	0.00	
7932.60†	3.224	86.705	7922.13	137.19	-135.49	227.12	730412.12	372117.51	32°01'15.190"N	103°35'23.627"W	0.00	0.00	0.00	
8032.60†	3.224	86.705	8021.97	136.91	-135.17	232.74	730417.73	372117.84	32°01'15.193"N	103°35'23.562"W	0.00	0.00	0.00	
8132.60†	3.224	86.705	8121.81	136.63	-134.85	238.35	730423.34	372118.16	32°01'15.196"N	103°35'23.496"W	0.00	0.00	0.00	
8232.60†	3.224	86.705	8221.65	136.35	-134.52	243.97	730428.96	372118.48	32°01'15.199"N	103°35'23.431"W	0.00	0.00	0.00	



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Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
8332.60†	3.224	86.705	8321.49	136.07	-134.20	249.58	730434.57	372118.80	32°01'15.202"N	103°35'23.366"W	0.00	0.00	0.00	
8432.60†	3.224	86.705	8421.33	135.79	-133.88	255.19	730440.19	372119.13	32°01'15.204"N	103°35'23.301"W	0.00	0.00	0.00	
8532.60†	3.224	86.705	8521.18	135.51	-133.55	260.81	730445.80	372119.45	32°01'15.207"N	103°35'23.235"W	0.00	0.00	0.00	
8632.60†	3.224	86.705	8621.02	135.23	-133.23	266.42	730451.41	372119.77	32°01'15.210"N	103°35'23.170"W	0.00	0.00	0.00	
8732.60†	3.224	86.705	8720.86	134.94	-132.91	272.04	730457.03	372120.10	32°01'15.213"N	103°35'23.105"W	0.00	0.00	0.00	
8832.60†	3.224	86.705	8820.70	134.66	-132.58	277.65	730462.64	372120.42	32°01'15.216"N	103°35'23.040"W	0.00	0.00	0.00	
8932.60†	3.224	86.705	8920.54	134.38	-132.26	283.26	730468.26	372120.74	32°01'15.219"N	103°35'22.974"W	0.00	0.00	0.00	
9032.60†	3.224	86.705	9020.38	134.10	-131.94	288.88	730473.87	372121.07	32°01'15.221"N	103°35'22.909"W	0.00	0.00	0.00	
9132.60†	3.224	86.705	9120.23	133.82	-131.61	294.49	730479.48	372121.39	32°01'15.224"N	103°35'22.844"W	0.00	0.00	0.00	
9232.60†	3.224	86.705	9220.07	133.54	-131.29	300.11	730485.10	372121.71	32°01'15.227"N	103°35'22.779"W	0.00	0.00	0.00	
9332.60†	3.224	86.705	9319.91	133.26	-130.97	305.72	730490.71	372122.04	32°01'15.230"N	103°35'22.714"W	0.00	0.00	0.00	
9432.60†	3.224	86.705	9419.75	132.98	-130.64	311.33	730496.32	372122.36	32°01'15.233"N	103°35'22.648"W	0.00	0.00	0.00	
9532.60†	3.224	86.705	9519.59	132.70	-130.32	316.95	730501.94	372122.68	32°01'15.235"N	103°35'22.583"W	0.00	0.00	0.00	
9632.60†	3.224	86.705	9619.44	132.42	-130.00	322.56	730507.55	372123.01	32°01'15.238"N	103°35'22.518"W	0.00	0.00	0.00	
9732.60†	3.224	86.705	9719.28	132.13	-129.67	328.18	730513.17	372123.33	32°01'15.241"N	103°35'22.453"W	0.00	0.00	0.00	
9832.60†	3.224	86.705	9819.12	131.85	-129.35	333.79	730518.78	372123.65	32°01'15.244"N	103°35'22.387"W	0.00	0.00	0.00	
9932.60†	3.224	86.705	9918.96	131.57	-129.03	339.40	730524.39	372123.98	32°01'15.247"N	103°35'22.322"W	0.00	0.00	0.00	
10032.60†	3.224	86.705	10018.80	131.29	-128.71	345.02	730530.01	372124.30	32°01'15.249"N	103°35'22.257"W	0.00	0.00	0.00	
10132.60†	3.224	86.705	10118.64	131.01	-128.38	350.63	730535.62	372124.62	32°01'15.252"N	103°35'22.192"W	0.00	0.00	0.00	
10232.60†	3.224	86.705	10218.49	130.73	-128.06	356.25	730541.23	372124.95	32°01'15.255"N	103°35'22.126"W	0.00	0.00	0.00	
10332.60†	3.224	86.705	10318.33	130.45	-127.74	361.86	730546.85	372125.27	32°01'15.258"N	103°35'22.061"W	0.00	0.00	0.00	
10432.60†	3.224	86.705	10418.17	130.17	-127.41	367.47	730552.46	372125.59	32°01'15.261"N	103°35'21.996"W	0.00	0.00	0.00	
10532.60†	3.224	86.705	10518.01	129.89	-127.09	373.09	730558.08	372125.91	32°01'15.264"N	103°35'21.931"W	0.00	0.00	0.00	
10632.60†	3.224	86.705	10617.85	129.60	-126.77	378.70	730563.69	372126.24	32°01'15.266"N	103°35'21.866"W	0.00	0.00	0.00	
10732.60†	3.224	86.705	10717.69	129.32	-126.44	384.32	730569.30	372126.56	32°01'15.269"N	103°35'21.800"W	0.00	0.00	0.00	
10832.60†	3.224	86.705	10817.54	129.04	-126.12	389.93	730574.92	372126.88	32°01'15.272"N	103°35'21.735"W	0.00	0.00	0.00	
10932.60†	3.224	86.705	10917.38	128.76	-125.80	395.54	730580.53	372127.21	32°01'15.275"N	103°35'21.670"W	0.00	0.00	0.00	
11032.60†	3.224	86.705	11017.22	128.48	-125.47	401.16	730586.14	372127.53	32°01'15.278"N	103°35'21.605"W	0.00	0.00	0.00	
11132.60†	3.224	86.705	11117.06	128.20	-125.15	406.77	730591.76	372127.85	32°01'15.280"N	103°35'21.539"W	0.00	0.00	0.00	
11232.60†	3.224	86.705	11216.90	127.92	-124.83	412.39	730597.37	372128.18	32°01'15.283"N	103°35'21.474"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
11332.60†	3.224	86.705	11316.75	127.64	-124.50	418.00	730602.99	372128.50	32°01'15.286"N	103°35'21.409"W	0.00	0.00	0.00	
11432.60†	3.224	86.705	11416.59	127.36	-124.18	423.61	730608.60	372128.82	32°01'15.289"N	103°35'21.344"W	0.00	0.00	0.00	
11532.60†	3.224	86.705	11516.43	127.08	-123.86	429.23	730614.21	372129.15	32°01'15.292"N	103°35'21.278"W	0.00	0.00	0.00	
11632.60†	3.224	86.705	11616.27	126.79	-123.53	434.84	730619.83	372129.47	32°01'15.295"N	103°35'21.213"W	0.00	0.00	0.00	
11732.60†	3.224	86.705	11716.11	126.51	-123.21	440.46	730625.44	372129.79	32°01'15.297"N	103°35'21.148"W	0.00	0.00	0.00	
11832.60†	3.224	86.705	11815.95	126.23	-122.89	446.07	730631.06	372130.12	32°01'15.300"N	103°35'21.083"W	0.00	0.00	0.00	
11932.60†	3.224	86.705	11915.80	125.95	-122.57	451.68	730636.67	372130.44	32°01'15.303"N	103°35'21.018"W	0.00	0.00	0.00	
12032.60†	3.224	86.705	12015.64	125.67	-122.24	457.30	730642.28	372130.76	32°01'15.306"N	103°35'20.952"W	0.00	0.00	0.00	
12114.04	3.224	86.705	12096.95	125.44	-121.98	461.87	730646.85	372131.03	32°01'15.308"N	103°35'20.899"W	0.00	0.00	0.00	End of Tangent
12132.60†	3.825	122.283	12115.48	125.75	-122.28	462.91	730647.90	372130.72	32°01'15.305"N	103°35'20.887"W	12.00	3.24	191.70	
12232.60†	14.423	166.934	12214.15	139.76	-136.24	468.57	730653.55	372116.76	32°01'15.166"N	103°35'20.823"W	12.00	10.60	44.65	
12332.60†	26.250	173.018	12307.76	174.00	-170.45	474.09	730659.08	372082.56	32°01'14.828"N	103°35'20.761"W	12.00	11.83	6.08	
12432.60†	38.181	175.466	12392.22	227.00	-223.41	479.24	730664.23	372029.60	32°01'14.303"N	103°35'20.706"W	12.00	11.93	2.45	
12532.60†	50.142	176.876	12463.82	296.42	-292.80	483.80	730668.78	371960.21	32°01'13.616"N	103°35'20.658"W	12.00	11.96	1.41	
12632.60†	62.114	177.862	12519.46	379.23	-375.59	487.55	730672.53	371877.43	32°01'12.797"N	103°35'20.621"W	12.00	11.97	0.99	
12732.60†	74.092	178.649	12556.68	471.83	-468.16	490.34	730675.33	371784.86	32°01'11.880"N	103°35'20.596"W	12.00	11.98	0.79	
12832.60†	86.072	179.347	12573.88	570.15	-566.47	492.05	730677.03	371686.55	32°01'10.908"N	103°35'20.584"W	12.00	11.98	0.70	
12865.38	90.000	179.568	12575.00	602.90	-599.23	492.36	730677.34	371653.79	32°01'10.583"N	103°35'20.583"W	12.00	11.98	0.68	End of 3D Arc
12932.60†	90.000	179.568	12575.00	670.12	-666.44	492.87	730677.85	371586.58	32°01'09.918"N	103°35'20.583"W	0.00	0.00	0.00	
13032.60†	90.000	179.568	12575.00	770.12	-766.44	493.62	730678.60	371486.59	32°01'08.929"N	103°35'20.582"W	0.00	0.00	0.00	
13132.60†	90.000	179.568	12575.00	870.12	-866.44	494.37	730679.36	371386.59	32°01'07.939"N	103°35'20.581"W	0.00	0.00	0.00	
13232.60†	90.000	179.568	12575.00	970.12	-966.43	495.13	730680.11	371286.60	32°01'06.949"N	103°35'20.581"W	0.00	0.00	0.00	
13332.60†	90.000	179.568	12575.00	1070.12	-1066.43	495.88	730680.87	371186.60	32°01'05.960"N	103°35'20.580"W	0.00	0.00	0.00	
13432.60†	90.000	179.568	12575.00	1170.12	-1166.43	496.64	730681.62	371086.61	32°01'04.970"N	103°35'20.579"W	0.00	0.00	0.00	
13532.60†	90.000	179.568	12575.00	1270.12	-1266.42	497.39	730682.37	370986.62	32°01'03.981"N	103°35'20.578"W	0.00	0.00	0.00	
13632.60†	90.000	179.568	12575.00	1370.12	-1366.42	498.14	730683.13	370886.62	32°01'02.991"N	103°35'20.577"W	0.00	0.00	0.00	
13732.60†	90.000	179.568	12575.00	1470.12	-1466.42	498.90	730683.88	370786.63	32°01'02.002"N	103°35'20.577"W	0.00	0.00	0.00	
13832.60†	90.000	179.568	12575.00	1570.12	-1566.42	499.65	730684.64	370686.63	32°01'01.012"N	103°35'20.576"W	0.00	0.00	0.00	
13932.60†	90.000	179.568	12575.00	1670.12	-1666.41	500.41	730685.39	370586.64	32°01'00.022"N	103°35'20.575"W	0.00	0.00	0.00	
14032.60†	90.000	179.568	12575.00	1770.12	-1766.41	501.16	730686.14	370486.65	32°00'59.033"N	103°35'20.574"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
14132.60†	90.000	179.568	12575.00	1870.12	-1866.41	501.91	730686.90	370386.65	32°00'58.043"N	103°35'20.574"W	0.00	0.00	0.00	
14232.60†	90.000	179.568	12575.00	1970.12	-1966.40	502.67	730687.65	370286.66	32°00'57.054"N	103°35'20.573"W	0.00	0.00	0.00	
14332.60†	90.000	179.568	12575.00	2070.12	-2066.40	503.42	730688.41	370186.66	32°00'56.064"N	103°35'20.572"W	0.00	0.00	0.00	
14432.60†	90.000	179.568	12575.00	2170.12	-2166.40	504.18	730689.16	370086.67	32°00'55.075"N	103°35'20.571"W	0.00	0.00	0.00	
14532.60†	90.000	179.568	12575.00	2270.12	-2266.40	504.93	730689.91	369986.68	32°00'54.085"N	103°35'20.571"W	0.00	0.00	0.00	
14632.60†	90.000	179.568	12575.00	2370.12	-2366.39	505.68	730690.67	369886.68	32°00'53.095"N	103°35'20.570"W	0.00	0.00	0.00	
14732.60†	90.000	179.568	12575.00	2470.12	-2466.39	506.44	730691.42	369786.69	32°00'52.106"N	103°35'20.569"W	0.00	0.00	0.00	
14832.60†	90.000	179.568	12575.00	2570.12	-2566.39	507.19	730692.18	369686.70	32°00'51.116"N	103°35'20.568"W	0.00	0.00	0.00	
14932.60†	90.000	179.568	12575.00	2670.12	-2666.38	507.95	730692.93	369586.70	32°00'50.127"N	103°35'20.568"W	0.00	0.00	0.00	
15032.60†	90.000	179.568	12575.00	2770.12	-2766.38	508.70	730693.68	369486.71	32°00'49.137"N	103°35'20.567"W	0.00	0.00	0.00	
15132.60†	90.000	179.568	12575.00	2870.12	-2866.38	509.45	730694.44	369386.71	32°00'48.147"N	103°35'20.566"W	0.00	0.00	0.00	
15232.60†	90.000	179.568	12575.00	2970.12	-2966.38	510.21	730695.19	369286.72	32°00'47.158"N	103°35'20.565"W	0.00	0.00	0.00	
15332.60†	90.000	179.568	12575.00	3070.12	-3066.37	510.96	730695.95	369186.73	32°00'46.168"N	103°35'20.565"W	0.00	0.00	0.00	
15432.60†	90.000	179.568	12575.00	3170.12	-3166.37	511.72	730696.70	369086.73	32°00'45.179"N	103°35'20.564"W	0.00	0.00	0.00	
15532.60†	90.000	179.568	12575.00	3270.12	-3266.37	512.47	730697.45	368986.74	32°00'44.189"N	103°35'20.563"W	0.00	0.00	0.00	
15632.60†	90.000	179.568	12575.00	3370.12	-3366.36	513.22	730698.21	368886.74	32°00'43.200"N	103°35'20.562"W	0.00	0.00	0.00	
15732.60†	90.000	179.568	12575.00	3470.12	-3466.36	513.98	730698.96	368786.75	32°00'42.210"N	103°35'20.562"W	0.00	0.00	0.00	
15832.60†	90.000	179.568	12575.00	3570.12	-3566.36	514.73	730699.72	368686.76	32°00'41.220"N	103°35'20.561"W	0.00	0.00	0.00	
15932.60†	90.000	179.568	12575.00	3670.12	-3666.36	515.49	730700.47	368586.76	32°00'40.231"N	103°35'20.560"W	0.00	0.00	0.00	
16032.60†	90.000	179.568	12575.00	3770.12	-3766.35	516.24	730701.22	368486.77	32°00'39.241"N	103°35'20.559"W	0.00	0.00	0.00	
16132.60†	90.000	179.568	12575.00	3870.12	-3866.35	516.99	730701.98	368386.77	32°00'38.252"N	103°35'20.559"W	0.00	0.00	0.00	
16232.60†	90.000	179.568	12575.00	3970.12	-3966.35	517.75	730702.73	368286.78	32°00'37.262"N	103°35'20.558"W	0.00	0.00	0.00	
16332.60†	90.000	179.568	12575.00	4070.12	-4066.34	518.50	730703.49	368186.79	32°00'36.273"N	103°35'20.557"W	0.00	0.00	0.00	
16432.60†	90.000	179.568	12575.00	4170.12	-4166.34	519.26	730704.24	368086.79	32°00'35.283"N	103°35'20.556"W	0.00	0.00	0.00	
16532.60†	90.000	179.568	12575.00	4270.12	-4266.34	520.01	730704.99	367986.80	32°00'34.293"N	103°35'20.555"W	0.00	0.00	0.00	
16632.60†	90.000	179.568	12575.00	4370.12	-4366.34	520.76	730705.75	367886.80	32°00'33.304"N	103°35'20.555"W	0.00	0.00	0.00	
16732.60†	90.000	179.568	12575.00	4470.12	-4466.33	521.52	730706.50	367786.81	32°00'32.314"N	103°35'20.554"W	0.00	0.00	0.00	
16832.60†	90.000	179.568	12575.00	4570.12	-4566.33	522.27	730707.25	367686.82	32°00'31.325"N	103°35'20.553"W	0.00	0.00	0.00	
16932.60†	90.000	179.568	12575.00	4670.12	-4666.33	523.03	730708.01	367586.82	32°00'30.335"N	103°35'20.552"W	0.00	0.00	0.00	
17032.60†	90.000	179.568	12575.00	4770.12	-4766.32	523.78	730708.76	367486.83	32°00'29.345"N	103°35'20.552"W	0.00	0.00	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

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
17132.60†	90.000	179.568	12575.00	4870.12	-4866.32	524.53	730709.52	367386.83	32°00'28.356"N	103°35'20.551"W	0.00	0.00	0.00	
17232.60†	90.000	179.568	12575.00	4970.12	-4966.32	525.29	730710.27	367286.84	32°00'27.366"N	103°35'20.550"W	0.00	0.00	0.00	
17332.60†	90.000	179.568	12575.00	5070.12	-5066.32	526.04	730711.02	367186.85	32°00'26.377"N	103°35'20.549"W	0.00	0.00	0.00	
17432.60†	90.000	179.568	12575.00	5170.12	-5166.31	526.80	730711.78	367086.85	32°00'25.387"N	103°35'20.549"W	0.00	0.00	0.00	
17532.60†	90.000	179.568	12575.00	5270.12	-5266.31	527.55	730712.53	366986.86	32°00'24.398"N	103°35'20.548"W	0.00	0.00	0.00	
17632.60†	90.000	179.568	12575.00	5370.12	-5366.31	528.30	730713.29	366886.87	32°00'23.408"N	103°35'20.547"W	0.00	0.00	0.00	
17732.60†	90.000	179.568	12575.00	5470.12	-5466.30	529.06	730714.04	366786.87	32°00'22.418"N	103°35'20.546"W	0.00	0.00	0.00	
17832.60†	90.000	179.568	12575.00	5570.12	-5566.30	529.81	730714.79	366686.88	32°00'21.429"N	103°35'20.546"W	0.00	0.00	0.00	
17932.60†	90.000	179.568	12575.00	5670.12	-5666.30	530.57	730715.55	366586.88	32°00'20.439"N	103°35'20.545"W	0.00	0.00	0.00	
18032.60†	90.000	179.568	12575.00	5770.12	-5766.30	531.32	730716.30	366486.89	32°00'19.450"N	103°35'20.544"W	0.00	0.00	0.00	
18132.60†	90.000	179.568	12575.00	5870.12	-5866.29	532.07	730717.06	366386.90	32°00'18.460"N	103°35'20.543"W	0.00	0.00	0.00	
18232.60†	90.000	179.568	12575.00	5970.12	-5966.29	532.83	730717.81	366286.90	32°00'17.471"N	103°35'20.543"W	0.00	0.00	0.00	
18332.60†	90.000	179.568	12575.00	6070.12	-6066.29	533.58	730718.56	366186.91	32°00'16.481"N	103°35'20.542"W	0.00	0.00	0.00	
18432.60†	90.000	179.568	12575.00	6170.12	-6166.29	534.34	730719.32	366086.91	32°00'15.491"N	103°35'20.541"W	0.00	0.00	0.00	
18532.60†	90.000	179.568	12575.00	6270.12	-6266.28	535.09	730720.07	365986.92	32°00'14.502"N	103°35'20.540"W	0.00	0.00	0.00	
18632.60†	90.000	179.568	12575.00	6370.12	-6366.28	535.84	730720.83	365886.93	32°00'13.512"N	103°35'20.540"W	0.00	0.00	0.00	
18732.60†	90.000	179.568	12575.00	6470.12	-6466.28	536.60	730721.58	365786.93	32°00'12.523"N	103°35'20.539"W	0.00	0.00	0.00	
18832.60†	90.000	179.568	12575.00	6570.12	-6566.27	537.35	730722.33	365686.94	32°00'11.533"N	103°35'20.538"W	0.00	0.00	0.00	
18932.60†	90.000	179.568	12575.00	6670.12	-6666.27	538.11	730723.09	365586.94	32°00'10.543"N	103°35'20.537"W	0.00	0.00	0.00	
19032.60†	90.000	179.568	12575.00	6770.12	-6766.27	538.86	730723.84	365486.95	32°00'09.554"N	103°35'20.536"W	0.00	0.00	0.00	
19132.60†	90.000	179.568	12575.00	6870.12	-6866.27	539.61	730724.60	365386.96	32°00'08.564"N	103°35'20.536"W	0.00	0.00	0.00	
19232.60†	90.000	179.568	12575.00	6970.12	-6966.26	540.37	730725.35	365286.96	32°00'07.575"N	103°35'20.535"W	0.00	0.00	0.00	
19332.60†	90.000	179.568	12575.00	7070.12	-7066.26	541.12	730726.10	365186.97	32°00'06.585"N	103°35'20.534"W	0.00	0.00	0.00	
19432.60†	90.000	179.568	12575.00	7170.12	-7166.26	541.88	730726.86	365086.97	32°00'05.596"N	103°35'20.533"W	0.00	0.00	0.00	
19532.60†	90.000	179.568	12575.00	7270.12	-7266.25	542.63	730727.61	364986.98	32°00'04.606"N	103°35'20.533"W	0.00	0.00	0.00	
19632.60†	90.000	179.568	12575.00	7370.12	-7366.25	543.38	730728.37	364886.99	32°00'03.616"N	103°35'20.532"W	0.00	0.00	0.00	
19732.60†	90.000	179.568	12575.00	7470.12	-7466.25	544.14	730729.12	364786.99	32°00'02.627"N	103°35'20.531"W	0.00	0.00	0.00	
19775.38	90.000	179.568	12575.00†	7512.90	-7509.03	544.46	730729.44	364744.21	32°00'02.203"N	103°35'20.531"W	0.00	0.00	0.00	End of Tangent



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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 10H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 10H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 10H PWB
Facility	SD EA 29 Fed Com P8		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SD EA 29 FED COM P8 No. Well 4 (A2) FTP		12575.00	-191.07	489.29	730674.28	372061.93	32°01'14.622"N	103°35'20.586"W	point
1) SD EA 29 FED COM P8 No. Well 4 (A2) PBHL rev 1	19775.38	12575.00	-7509.03	544.46	730729.44	364744.21	32°00'02.203"N	103°35'20.531"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 29 FED COM P8 10H PWB Ref Wellpath: SD EA 29 FED COM P8 10H Rev B.0

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.60	2300.00	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 10H PWB
2300.00	12000.00	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 10H PWB
12000.00	19775.38	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 10H PWB