

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****HOBBS OCD**
NOV 07 2019
RECEIVED

5. Lease Serial No.
NMNM27506

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM139733

8. Well Name and No.
SD EA 29 FED COM P8 9H

9. API Well No.
30-025-43268-00-S1

10. Field and Pool or Exploratory Area
SANDERS TANK-UPR WOLFCAMP

11. County or Parish, State
LEA COUNTY, NM

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
CHEVRON USA INC

Contact: DENISE PINKERTON
E-Mail: leakejd@chevron.com

3a. Address
1616 W. BENDER BLVD
HOBBS, NM 88240

3b. Phone No. (include area code)
Ph: 432-687-7375

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T26S R33E NWNE 136FNL 1682FEL

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.

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

BHL:
OLD LOCATION: 180' FSL, & 2312' FEL, UL:G, SECTION 32, 26S, 33E
NEW LOCATION: 180' FSL, & 1590' FEL, UL:G, SECTION 32, 26S, 33E

Carlsbad Field Office
OCD Hobbs

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.

All previous CoAs Still Apply.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #376017 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 (17DLM1065SE)	
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 ACCEPTED	NDUNGU KAMAU Title PETROLEUM ENGINEER	Date 10/22/2019
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 *****Kz*

Revisions to Operator-Submitted EC Data for Sundry Notice #376017

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM27506	NMNM27506
Agreement:		NMNM139733 (NMNM139733)
Operator:	CHEVRON U.S.A. INC. 6301 DEAUVILLE BLVD MIDLAND, TX 79706 Ph: 432-687-7375	CHEVRON USA INC 1616 W. BENDER BLVD HOBBS, NM 88240 Ph: 575-263-0431
Admin Contact:	DENISE PINKERTON PERMITTING SPECIALIST E-Mail: leakejd@chevron.com Ph: 432-687-7375	DENISE PINKERTON PERMITTING SPECIALIST E-Mail: leakejd@chevron.com Ph: 432-687-7375
Tech Contact:	DENISE PINKERTON PERMITTING SPECIALIST E-Mail: leakejd@chevron.com Ph: 432-687-7375	DENISE PINKERTON PERMITTING SPECIALIST E-Mail: leakejd@chevron.com Ph: 432-687-7375
Location: State: County:	NM LEA	NM LEA
Field/Pool:	WC025G09S263327G;UPR WLFC	SANDERS TANK-UPR WOLFCAMP
Well/Facility:	SD EA 29 FED COM P8 9H Sec 29 T26S R33E Mer NMP 136FNL 1682FEL	SD EA 29 FED COM P8 9H Sec 29 T26S R33E NWNE 136FNL 1682FEL

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 30-025-43268		² Pool Code 98097		³ Well Name SANDERS TACK WC025G09S263322G UPPER WOLFCAMP	
⁴ Property Code		⁵ Property Name SD EA 29 FED COM P8			⁶ Well Number 9H
⁷ OGRID No. 4323		⁸ Operator Name CHEVRON U.S.A. INC.			⁹ Elevation 3250'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	26 SOUTH	33 EAST, N.M.P.M.		136'	NORTH	1682'	EAST	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
G	32	26 SOUTH	33 EAST, N.M.P.M.		180'	SOUTH	1590'	EAST	LEA

¹² Dedicated Acres 237.41	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 border="1"> <tr> <th>SD EA 29 FED COM P8 NO. 9H WELL</th> <th>PROPOSED BOTTOM HOLE LOCATION</th> </tr> <tr> <td>X= 730,160 NAD 27</td> <td>X= 730,309 NAD 27</td> </tr> <tr> <td>Y= 372,252</td> <td>Y= 364,741</td> </tr> <tr> <td>LAT. 32.021281</td> <td>LAT. 32.000612</td> </tr> <tr> <td>LONG. 103.590705</td> <td>LONG. 103.590391</td> </tr> <tr> <td>X= 771,348 NAD83</td> <td>X= 771,497 NAD83</td> </tr> <tr> <td>Y= 372,309</td> <td>Y= 364,798</td> </tr> <tr> <td>LAT. 32.021386</td> <td>LAT. 32.000737</td> </tr> <tr> <td>LONG. 103.591172</td> <td>LONG. 103.590856</td> </tr> <tr> <td colspan="2">ELEVATION +3250' NAVD 88</td> </tr> </table> <table border="1"> <tr> <th>FTP</th> <th>LTP</th> </tr> <tr> <td>X= 730,254 NAD 27</td> <td>X= 730,308 NAD 27</td> </tr> <tr> <td>Y= 372,059</td> <td>Y= 364,891</td> </tr> <tr> <td>LAT. 32.020729</td> <td>LAT. 32.001024</td> </tr> <tr> <td>LONG. 103.590407</td> <td>LONG. 103.590391</td> </tr> <tr> <td>X= 771,442 NAD83</td> <td>X= 771,496 NAD83</td> </tr> <tr> <td>Y= 372,116</td> <td>Y= 364,948</td> </tr> <tr> <td>LAT. 32.020854</td> <td>LAT. 32.001150</td> </tr> <tr> <td>LONG. 103.590873</td> <td>LONG. 103.590857</td> </tr> </table> CORNER COORDINATES TABLE (NAD 27) A - Y=372382.09, X=729197.59 B - Y=372399.73, X=731841.78 C - Y=364553.99, X=729259.12 D - Y=364572.35, X=731900.79		SD EA 29 FED COM P8 NO. 9H WELL	PROPOSED BOTTOM HOLE LOCATION	X= 730,160 NAD 27	X= 730,309 NAD 27	Y= 372,252	Y= 364,741	LAT. 32.021281	LAT. 32.000612	LONG. 103.590705	LONG. 103.590391	X= 771,348 NAD83	X= 771,497 NAD83	Y= 372,309	Y= 364,798	LAT. 32.021386	LAT. 32.000737	LONG. 103.591172	LONG. 103.590856	ELEVATION +3250' NAVD 88		FTP	LTP	X= 730,254 NAD 27	X= 730,308 NAD 27	Y= 372,059	Y= 364,891	LAT. 32.020729	LAT. 32.001024	LONG. 103.590407	LONG. 103.590391	X= 771,442 NAD83	X= 771,496 NAD83	Y= 372,116	Y= 364,948	LAT. 32.020854	LAT. 32.001150	LONG. 103.590873	LONG. 103.590857			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: Denise Pinkerton Date: 5/11/2017 Printed Name: Denise Pinkerton E-mail Address: LPK@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: 10/29/2014 Signature and Seal of Professional Surveyor: Robert L. Lastrapes 23006 23006 Certificate Number
SD EA 29 FED COM P8 NO. 9H WELL	PROPOSED BOTTOM HOLE LOCATION																																									
X= 730,160 NAD 27	X= 730,309 NAD 27																																									
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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 +3256' 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 +3250' 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
	Existing Powerline
	Existing Pad/Road
	Existing Pipeline
	Proposed Pad
	Pipeline ROW
	Fad Monument

SD EA 29 FED COM P8 9H
X= 730,160 NAD 27
Y= 372,252
LAT 32.021261
LONG 103.590705
X= 771,348 NAD83
Y= 372,309
LAT 32.021386
LONG 103.591172
ELEVATION +3250' NAVD 88

T
26
S

PROPOSED
ARCHAEOLOGICAL
AREA
±5.04 Acres

PROPOSED PAD
±4.26 Acres

SD EA 29 Fed Com P8
No 9H Well
136' FNL
1.682' 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

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. 9H WELL
SECTION 29, T26S-R33E
LEA COUNTY, NEW MEXICO

DRAWN BY: BOR

REVISIONS

PROJ MGR: VHV

No. 3

DATE: 02/22/2017

REVISED BY: BOR

DATE: 11/21/2014

No. 4

DATE: 05/10/2017

REVISED BY: BOR

FILENAME: T:\2014\2148583\DWG\SD EA 29 Fed Com P8 9H_WellPlat.dwg



Scale 1" = 200
200' 0 100 200



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

NOTE:

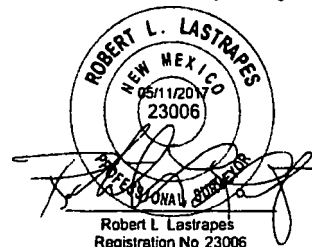
Please be advised, that while reasonable efforts are made to locate and verify pipelines and anomalies using our standard pipeline locating equipment, it is impossible to be 100 % effective. As such, we advise using caution when performing work as there is a possibility that pipelines and other hazards, 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'



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 PLAT

Page 2 of 2

CHEVRON U.S.A. INC.
PROPOSED PAD
SD EA 29 FED COM P8 NO. 9H WELL
SECTION 29, T26S-R33E
LEA COUNTY, NEW MEXICO

DRAWN BY BOR		REVISIONS	
PROJ MGR. VHV	No. 3	DATE 02/22/2017	REVISED BY BOR
DATE 11/21/2014	No. 4	DATE: 05/10/2017	REVISED BY: BOR
FILENAME T:\2014\2149583\DWG\SD EA 29 Fed Com P8 9H_WellPlat.dwg			



Well Profile Data

Design Comment	MD (ft)	Inc (")	Az (")	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	32.60	0.000	220.000	32.60	0.00	0.00	0.00	0.00
End of Tangent	2000.00	0.000	220.000	2000.00	0.00	0.00	0.00	0.00
End of Build	2500.00	5.000	220.000	2499.37	-18.70	-14.01	1.00	18.60
End of Tangent	3500.00	5.000	220.000	3495.58	-83.47	-70.04	0.00	82.94
End of Drop	4000.00	0.000	82.718	3994.93	-100.17	-84.05	1.00	99.54
End of Tangent	10505.07	0.000	82.718	10500.00	-100.17	-84.05	0.00	99.54
End of Build	11228.13	7.211	82.718	11219.15	-94.43	-39.11	1.00	94.13
End of Tangent	11805.73	7.211	82.718	11794.17	-85.20	33.06	0.00	85.45
End of 3D Arc	12562.87	90.000	179.568	12275.00	-582.15	97.05	12.00	582.86
End of Tangent	18512.87	90.000	179.568	12275.00	-7511.95	149.45	0.00	7512.98

Bottom Hole Location

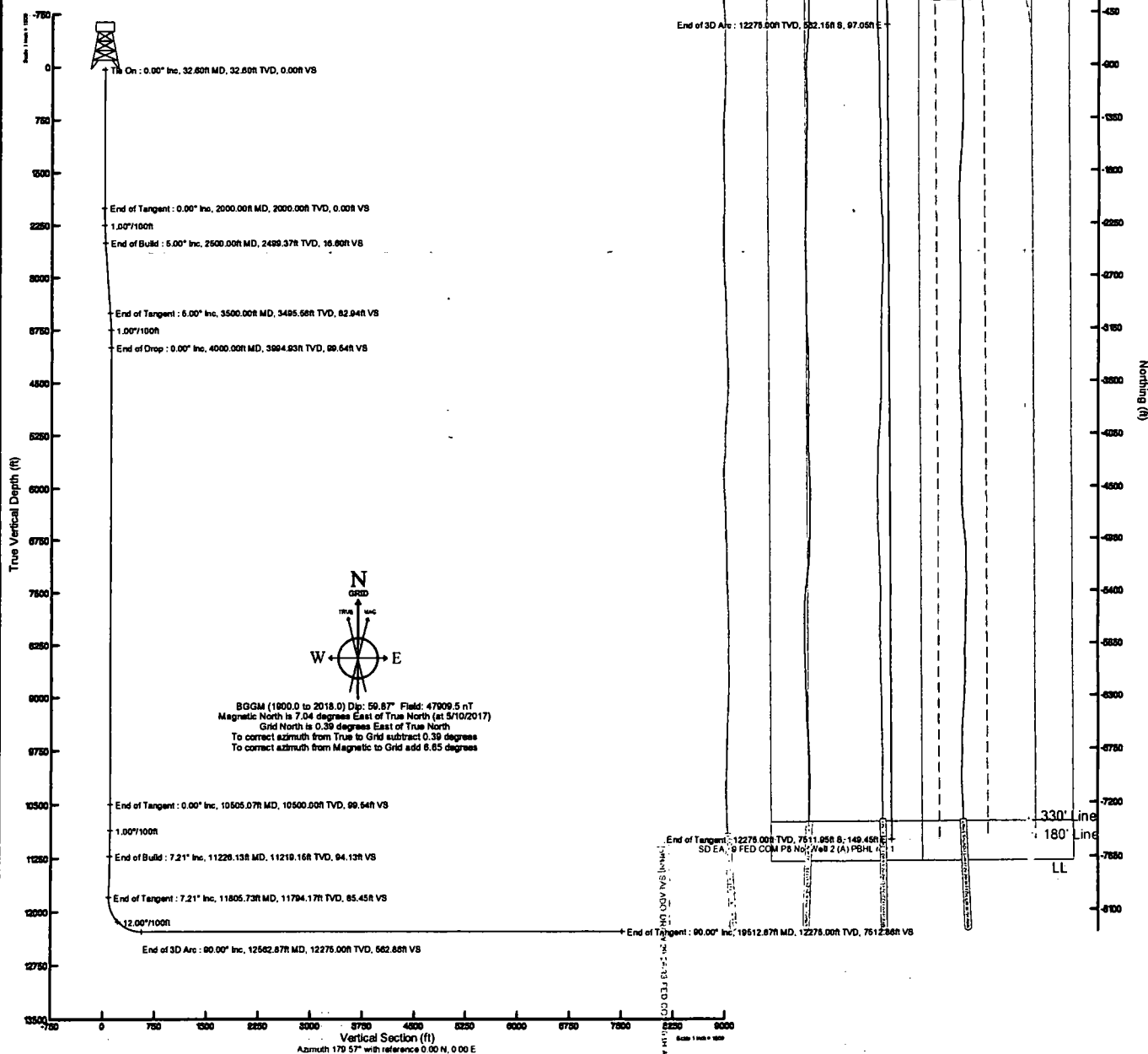
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
19512.87	90.000	179.588	12275.00	-7511.95	149.45	730309.45	384741.29	32°00'02.203"N	103°35'25.408"W

See reference 001747 & SD EA 20 FED COM PM 010-0 Two vertical depths are referenced to Rsp. Nubers X30 (10) Measured depths are referenced to Rsp. Nubers X30 (10) Rsp. Nubers X30 (10) is taken Sea Level: 3254.6 feet Mean Sea Level to Ground level (in feet): SD EA 20 FED COM PM 010-3252 feet Coordinates are in Ground level referenced to Rsp.	Grid System: NAD83 / The North American 83, Eastern Zone (2011), US feet ** Webpage was transferred from a different geographic dataset North Reference: 0/15 north Basic: True Distance Depths are in feet Created by: Rianen on 2017-09-12 Downloaded by: Rianen
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Location Information

Facility Name		Orin East (U.S.)	Orin North (U.S.)	Latitude	Longitude
SD EA 29 Fecl Com PH		7802385.000	1727253.000	37°01'19.847"N	103°37'55.677"W
Stn	Local N (ft)	Orin East (U.S.)	Orin North (U.S.)	Latitude	Longitude
SD EA 29 Fecl Com PH	0.00	730140.000	1727253.001	37°01'19.848"N	103°37'55.646"W
Rte. Median XS (ft) to Ground Level (At Stn: SD EA 29 Fecl Com PH)				32.00	
Mean Sea Level to Ground Level (At Stn: SD EA 29 Fecl Com PH)				4.000	
				37.976	

The On: 32.500 TWD, 0.000 N, 0.000 E
 End of Tangent: 2000.000 TWD, 0.000 N, 0.000 E
 End of Tangent: 2499.370 TWD, 16.70R S, 14.01R W
 End of Tangent: 3498.560 TWD, 83.47R S, 70.04R W
 End of Drop: 3598.020 TWD, 100.17R S, 84.02R W
 End of Tangent: 10500.000 TWD, 100.17R S, 84.02R W
 End of Bubble: 11219.160 TWD, 94.35R S, 55.11R W
 End of Tangent: 11794.170 TWD, 94.00R S, 33.00R E





Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

Page 1 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H 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 3:28:51 PM
Convergence at slot	0.39° East	Database/Source file	WA_Midland/SD_EA_29_FED_COM_P8_9H_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	-75.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"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	3284.60ft
Horizontal Reference Pt	Slot	Rig: Nabors X30 (KB) to Mean Sea Level	3284.60ft
Vertical Reference Pt	Rig: Nabors X30 (KB)	Rig: Nabors X30 (KB) to Ground Level at Slot (SD EA 29 FED COM P8 9H)	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 9H Rev B.0

Page 2 of 9



REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	220.000	0.00	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
32.60	0.000	220.000	32.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	Tie On
132.60†	0.000	220.000	132.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
232.60†	0.000	220.000	232.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
332.60†	0.000	220.000	332.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
432.60†	0.000	220.000	432.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
532.60†	0.000	220.000	532.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
632.60†	0.000	220.000	632.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
732.60†	0.000	220.000	732.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
832.60†	0.000	220.000	832.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
932.60†	0.000	220.000	932.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1032.60†	0.000	220.000	1032.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1132.60†	0.000	220.000	1132.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1232.60†	0.000	220.000	1232.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1332.60†	0.000	220.000	1332.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1432.60†	0.000	220.000	1432.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1532.60†	0.000	220.000	1532.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1632.60†	0.000	220.000	1632.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1732.60†	0.000	220.000	1732.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1832.60†	0.000	220.000	1832.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
1932.60†	0.000	220.000	1932.60	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	
2000.00	0.000	220.000	2000.00	0.00	0.00	0.00	730160.00	372253.00	32°01'16.548"N	103°35'26.544"W	0.00	0.00	0.00	End of Tangent
2032.60†	0.326	220.000	2032.60	0.07	-0.07	-0.06	730159.94	372252.93	32°01'16.548"N	103°35'26.545"W	1.00	1.00	-429.45	
2132.60†	1.326	220.000	2132.59	1.17	-1.18	-0.99	730159.01	372251.83	32°01'16.537"N	103°35'26.556"W	1.00	1.00	0.00	
2232.60†	2.326	220.000	2232.54	3.59	-3.62	-3.03	730156.97	372249.38	32°01'16.513"N	103°35'26.580"W	1.00	1.00	0.00	
2332.60†	3.326	220.000	2332.41	7.35	-7.39	-6.20	730153.80	372245.61	32°01'16.476"N	103°35'26.617"W	1.00	1.00	0.00	
2432.60†	4.326	220.000	2432.19	12.43	-12.50	-10.49	730149.51	372240.50	32°01'16.425"N	103°35'26.667"W	1.00	1.00	0.00	
2500.00	5.000	220.000	2499.37	16.60	-16.70	-14.01	730145.99	372236.30	32°01'16.384"N	103°35'26.708"W	1.00	1.00	0.00	End of Build
2532.60†	5.000	220.000	2531.84	18.76	-18.88	-15.84	730144.16	372234.12	32°01'16.363"N	103°35'26.730"W	0.00	0.00	0.00	
2632.60†	5.000	220.000	2631.46	25.39	-25.55	-21.44	730138.56	372227.45	32°01'16.297"N	103°35'26.795"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 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	220.000	2731.08	32.03	-32.23	-27.05	730132.96	372220.77	32°01'16.231"N	103°35'26.861"W	0.00	0.00	0.00	
2832.60†	5.000	220.000	2830.70	38.66	-38.91	-32.65	730127.35	372214.09	32°01'16.165"N	103°35'26.926"W	0.00	0.00	0.00	
2932.60†	5.000	220.000	2930.32	45.30	-45.58	-38.25	730121.75	372207.42	32°01'16.100"N	103°35'26.992"W	0.00	0.00	0.00	
3032.60†	5.000	220.000	3029.94	51.93	-52.26	-43.85	730116.15	372200.74	32°01'16.034"N	103°35'27.058"W	0.00	0.00	0.00	
3132.60†	5.000	220.000	3129.56	58.56	-58.94	-49.45	730110.55	372194.07	32°01'15.968"N	103°35'27.123"W	0.00	0.00	0.00	
3232.60†	5.000	220.000	3229.18	65.20	-65.61	-55.06	730104.95	372187.39	32°01'15.903"N	103°35'27.189"W	0.00	0.00	0.00	
3332.60†	5.000	220.000	3328.80	71.83	-72.29	-60.66	730099.34	372180.71	32°01'15.837"N	103°35'27.254"W	0.00	0.00	0.00	
3432.60†	5.000	220.000	3428.42	78.47	-78.97	-66.26	730093.74	372174.04	32°01'15.771"N	103°35'27.320"W	0.00	0.00	0.00	
3500.00	5.000	220.000	3495.56	82.94	-83.47	-70.04	730089.97	372169.54	32°01'15.727"N	103°35'27.364"W	0.00	0.00	0.00	End of Tangent
3532.60†	4.674	220.000	3528.04	85.03	-85.57	-71.80	730088.20	372167.43	32°01'15.706"N	103°35'27.385"W	1.00	-1.00	0.00	
3632.60†	3.674	220.000	3627.78	90.57	-91.15	-76.48	730083.52	372161.86	32°01'15.652"N	103°35'27.440"W	1.00	-1.00	0.00	
3732.60†	2.674	220.000	3727.62	94.79	-95.39	-80.04	730079.96	372157.61	32°01'15.610"N	103°35'27.481"W	1.00	-1.00	0.00	
3832.60†	1.674	220.000	3827.55	97.67	-98.30	-82.48	730077.52	372154.71	32°01'15.581"N	103°35'27.510"W	1.00	-1.00	0.00	
3932.60†	0.674	220.000	3927.53	99.23	-99.87	-83.80	730076.21	372153.14	32°01'15.566"N	103°35'27.525"W	1.00	-1.00	0.00	
4000.00	0.000	82.718	3994.93	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	1.00	-1.00	207.72	End of Drop
4032.60†	0.000	82.718	4027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4132.60†	0.000	82.718	4127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4232.60†	0.000	82.718	4227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4332.60†	0.000	82.718	4327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4432.60†	0.000	82.718	4427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4532.60†	0.000	82.718	4527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4632.60†	0.000	82.718	4627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4732.60†	0.000	82.718	4727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4832.60†	0.000	82.718	4827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
4932.60†	0.000	82.718	4927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5032.60†	0.000	82.718	5027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5132.60†	0.000	82.718	5127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5232.60†	0.000	82.718	5227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5332.60†	0.000	82.718	5327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5432.60†	0.000	82.718	5427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"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 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	82.718	5527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5632.60†	0.000	82.718	5627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5732.60†	0.000	82.718	5727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5832.60†	0.000	82.718	5827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
5932.60†	0.000	82.718	5927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6032.60†	0.000	82.718	6027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6132.60†	0.000	82.718	6127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6232.60†	0.000	82.718	6227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6332.60†	0.000	82.718	6327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6432.60†	0.000	82.718	6427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6532.60†	0.000	82.718	6527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6632.60†	0.000	82.718	6627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6732.60†	0.000	82.718	6727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6832.60†	0.000	82.718	6827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
6932.60†	0.000	82.718	6927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7032.60†	0.000	82.718	7027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7132.60†	0.000	82.718	7127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7232.60†	0.000	82.718	7227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7332.60†	0.000	82.718	7327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7432.60†	0.000	82.718	7427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7532.60†	0.000	82.718	7527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7632.60†	0.000	82.718	7627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7732.60†	0.000	82.718	7727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7832.60†	0.000	82.718	7827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
7932.60†	0.000	82.718	7927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8032.60†	0.000	82.718	8027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8132.60†	0.000	82.718	8127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8232.60†	0.000	82.718	8227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8332.60†	0.000	82.718	8327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8432.60†	0.000	82.718	8427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"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 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	82.718	8527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8632.60†	0.000	82.718	8627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8732.60†	0.000	82.718	8727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8832.60†	0.000	82.718	8827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
8932.60†	0.000	82.718	8927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9032.60†	0.000	82.718	9027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9132.60†	0.000	82.718	9127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9232.60†	0.000	82.718	9227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9332.60†	0.000	82.718	9327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9432.60†	0.000	82.718	9427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9532.60†	0.000	82.718	9527.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9632.60†	0.000	82.718	9627.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9732.60†	0.000	82.718	9727.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9832.60†	0.000	82.718	9827.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
9932.60†	0.000	82.718	9927.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10032.60†	0.000	82.718	10027.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10132.60†	0.000	82.718	10127.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10232.60†	0.000	82.718	10227.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10332.60†	0.000	82.718	10327.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10432.60†	0.000	82.718	10427.53	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	
10505.07	0.000	82.718	10500.00	99.54	-100.17	-84.05	730075.95	372152.83	32°01'15.563"N	103°35'27.528"W	0.00	0.00	0.00	End of Tangent
10532.60†	0.275	82.718	10527.53	99.53	-100.16	-83.99	730076.02	372152.84	32°01'15.563"N	103°35'27.528"W	1.00	1.00	300.51	
10632.60†	1.275	82.718	10627.52	99.37	-99.99	-82.64	730077.36	372153.01	32°01'15.564"N	103°35'27.512"W	1.00	1.00	0.00	
10732.60†	2.275	82.718	10727.47	99.00	-99.60	-79.57	730080.43	372153.41	32°01'15.568"N	103°35'27.476"W	1.00	1.00	0.00	
10832.60†	3.275	82.718	10827.35	98.42	-98.98	-74.77	730085.23	372154.02	32°01'15.574"N	103°35'27.420"W	1.00	1.00	0.00	
10932.60†	4.275	82.718	10927.13	97.63	-98.15	-68.24	730091.76	372154.86	32°01'15.582"N	103°35'27.345"W	1.00	1.00	0.00	
11032.60†	5.275	82.718	11026.78	96.64	-97.09	-59.98	730100.02	372155.91	32°01'15.592"N	103°35'27.249"W	1.00	1.00	0.00	
11132.60†	6.275	82.718	11126.27	95.44	-95.82	-50.00	730110.00	372157.19	32°01'15.604"N	103°35'27.133"W	1.00	1.00	0.00	
11226.13	7.211	82.718	11219.15	94.13	-94.43	-39.11	730120.90	372158.58	32°01'15.617"N	103°35'27.006"W	1.00	1.00	0.00	End of Build
11232.60†	7.211	82.718	11225.57	94.03	-94.32	-38.30	730121.70	372158.68	32°01'15.618"N	103°35'26.997"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 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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†	7.211	82.718	11324.78	92.53	-92.73	-25.85	730134.15	372160.27	32°01'15.632"N	103°35'26.852"W	0.00	0.00	0.00	
11432.60†	7.211	82.718	11423.99	91.04	-91.14	-13.40	730146.60	372161.86	32°01'15.647"N	103°35'26.707"W	0.00	0.00	0.00	
11532.60†	7.211	82.718	11523.20	89.54	-89.55	-0.95	730159.05	372163.45	32°01'15.662"N	103°35'26.562"W	0.00	0.00	0.00	
11632.60†	7.211	82.718	11622.41	88.04	-87.96	11.50	730171.50	372165.05	32°01'15.677"N	103°35'26.418"W	0.00	0.00	0.00	
11732.60†	7.211	82.718	11721.62	86.54	-86.37	23.95	730183.95	372166.64	32°01'15.692"N	103°35'26.273"W	0.00	0.00	0.00	
11805.73	7.211	82.718	11794.17	85.45	-85.20	33.06	730193.06	372167.80	32°01'15.703"N	103°35'26.167"W	0.00	0.00	0.00	End of Tangent
11832.60†	7.539	107.918	11820.83	85.80	-85.53	36.41	730196.41	372167.47	32°01'15.699"N	103°35'26.128"W	12.00	1.22	93.77	
11932.60†	16.019	153.622	11918.81	100.33	-99.96	48.82	730208.82	372153.04	32°01'15.556"N	103°35'25.985"W	12.00	8.48	45.70	
12032.60†	27.255	165.454	12011.66	135.07	-134.62	60.75	730220.75	372118.39	32°01'15.212"N	103°35'25.849"W	12.00	11.24	11.83	
12132.60†	38.928	170.621	12095.31	188.50	-187.97	71.66	730231.66	372065.04	32°01'14.683"N	103°35'25.727"W	12.00	11.67	5.17	
12232.60†	50.736	173.674	12166.11	258.30	-257.70	81.08	730241.08	371995.31	32°01'13.993"N	103°35'25.623"W	12.00	11.81	3.05	
12332.60†	62.601	175.835	12220.96	341.41	-340.75	88.60	730248.59	371912.26	32°01'13.170"N	103°35'25.542"W	12.00	11.86	2.16	
12432.60†	74.492	177.571	12257.48	434.20	-433.50	93.88	730253.88	371819.51	32°01'12.252"N	103°35'25.488"W	12.00	11.89	1.74	
12532.60†	86.396	179.115	12274.05	532.61	-531.89	96.71	730256.70	371721.12	32°01'11.278"N	103°35'25.463"W	12.00	11.90	1.54	
12562.87	90.000	179.568	12275.00	562.86	-562.15	97.05	730257.05	371690.87	32°01'10.979"N	103°35'25.462"W	12.00	11.91	1.50	End of 3D Arc
12632.60†	90.000	179.568	12275.00	632.59	-631.87	97.58	730257.58	371621.15	32°01'10.289"N	103°35'25.461"W	0.00	0.00	0.00	
12732.60†	90.000	179.568	12275.00	732.59	-731.87	98.33	730258.33	371521.16	32°01'09.299"N	103°35'25.461"W	0.00	0.00	0.00	
12832.60†	90.000	179.568	12275.00	832.59	-831.87	99.09	730259.08	371421.16	32°01'08.310"N	103°35'25.460"W	0.00	0.00	0.00	
12932.60†	90.000	179.568	12275.00	932.59	-931.86	99.84	730259.84	371321.17	32°01'07.320"N	103°35'25.459"W	0.00	0.00	0.00	
13032.60†	90.000	179.568	12275.00	1032.59	-1031.86	100.59	730260.59	371221.17	32°01'06.331"N	103°35'25.458"W	0.00	0.00	0.00	
13132.60†	90.000	179.568	12275.00	1132.59	-1131.86	101.35	730261.35	371121.18	32°01'05.341"N	103°35'25.457"W	0.00	0.00	0.00	
13232.60†	90.000	179.568	12275.00	1232.59	-1231.85	102.10	730262.10	371021.19	32°01'04.351"N	103°35'25.457"W	0.00	0.00	0.00	
13332.60†	90.000	179.568	12275.00	1332.59	-1331.85	102.86	730262.85	370921.19	32°01'03.362"N	103°35'25.456"W	0.00	0.00	0.00	
13432.60†	90.000	179.568	12275.00	1432.59	-1431.85	103.61	730263.61	370821.20	32°01'02.372"N	103°35'25.455"W	0.00	0.00	0.00	
13532.60†	90.000	179.568	12275.00	1532.59	-1531.85	104.36	730264.36	370721.20	32°01'01.383"N	103°35'25.454"W	0.00	0.00	0.00	
13632.60†	90.000	179.568	12275.00	1632.59	-1631.84	105.12	730265.12	370621.21	32°01'00.393"N	103°35'25.454"W	0.00	0.00	0.00	
13732.60†	90.000	179.568	12275.00	1732.59	-1731.84	105.87	730265.87	370521.22	32°00'59.404"N	103°35'25.453"W	0.00	0.00	0.00	
13832.60†	90.000	179.568	12275.00	1832.59	-1831.84	106.63	730266.62	370421.22	32°00'58.414"N	103°35'25.452"W	0.00	0.00	0.00	
13932.60†	90.000	179.568	12275.00	1932.59	-1931.83	107.38	730267.38	370321.23	32°00'57.424"N	103°35'25.451"W	0.00	0.00	0.00	
14032.60†	90.000	179.568	12275.00	2032.59	-2031.83	108.13	730268.13	370221.24	32°00'56.435"N	103°35'25.451"W	0.00	0.00	0.00	



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Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
Facility	SD EA 29 Fed Com P8		

WELLPATH DATA (205 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	12275.00	2132.59	-2131.83	108.89	730268.88	370121.24	32°00'55.445"N	103°35'25.450"W	0.00	0.00	0.00	
14232.60†	90.000	179.568	12275.00	2232.59	-2231.83	109.64	730269.64	370021.25	32°00'54.456"N	103°35'25.449"W	0.00	0.00	0.00	
14332.60†	90.000	179.568	12275.00	2332.59	-2331.82	110.40	730270.39	369921.25	32°00'53.466"N	103°35'25.448"W	0.00	0.00	0.00	
14432.60†	90.000	179.568	12275.00	2432.59	-2431.82	111.15	730271.15	369821.26	32°00'52.477"N	103°35'25.447"W	0.00	0.00	0.00	
14532.60†	90.000	179.568	12275.00	2532.59	-2531.82	111.90	730271.90	369721.27	32°00'51.487"N	103°35'25.447"W	0.00	0.00	0.00	
14632.60†	90.000	179.568	12275.00	2632.59	-2631.81	112.66	730272.65	369621.27	32°00'50.497"N	103°35'25.446"W	0.00	0.00	0.00	
14732.60†	90.000	179.568	12275.00	2732.59	-2731.81	113.41	730273.41	369521.28	32°00'49.508"N	103°35'25.445"W	0.00	0.00	0.00	
14832.60†	90.000	179.568	12275.00	2832.59	-2831.81	114.17	730274.16	369421.28	32°00'48.518"N	103°35'25.444"W	0.00	0.00	0.00	
14932.60†	90.000	179.568	12275.00	2932.59	-2931.81	114.92	730274.92	369321.29	32°00'47.529"N	103°35'25.444"W	0.00	0.00	0.00	
15032.60†	90.000	179.568	12275.00	3032.59	-3031.80	115.67	730275.67	369221.30	32°00'46.539"N	103°35'25.443"W	0.00	0.00	0.00	
15132.60†	90.000	179.568	12275.00	3132.59	-3131.80	116.43	730276.42	369121.30	32°00'45.549"N	103°35'25.442"W	0.00	0.00	0.00	
15232.60†	90.000	179.568	12275.00	3232.59	-3231.80	117.18	730277.18	369021.31	32°00'44.560"N	103°35'25.441"W	0.00	0.00	0.00	
15332.60†	90.000	179.568	12275.00	3332.59	-3331.79	117.94	730277.93	368921.31	32°00'43.570"N	103°35'25.440"W	0.00	0.00	0.00	
15432.60†	90.000	179.568	12275.00	3432.59	-3431.79	118.69	730278.69	368821.32	32°00'42.581"N	103°35'25.440"W	0.00	0.00	0.00	
15532.60†	90.000	179.568	12275.00	3532.59	-3531.79	119.44	730279.44	368721.33	32°00'41.591"N	103°35'25.439"W	0.00	0.00	0.00	
15632.60†	90.000	179.568	12275.00	3632.59	-3631.79	120.20	730280.19	368621.33	32°00'40.602"N	103°35'25.438"W	0.00	0.00	0.00	
15732.60†	90.000	179.568	12275.00	3732.59	-3731.78	120.95	730280.95	368521.34	32°00'39.612"N	103°35'25.437"W	0.00	0.00	0.00	
15832.60†	90.000	179.568	12275.00	3832.59	-3831.78	121.71	730281.70	368421.34	32°00'38.622"N	103°35'25.437"W	0.00	0.00	0.00	
15932.60†	90.000	179.568	12275.00	3932.59	-3931.78	122.46	730282.46	368321.35	32°00'37.633"N	103°35'25.436"W	0.00	0.00	0.00	
16032.60†	90.000	179.568	12275.00	4032.59	-4031.77	123.21	730283.21	368221.36	32°00'36.643"N	103°35'25.435"W	0.00	0.00	0.00	
16132.60†	90.000	179.568	12275.00	4132.59	-4131.77	123.97	730283.96	368121.36	32°00'35.654"N	103°35'25.434"W	0.00	0.00	0.00	
16232.60†	90.000	179.568	12275.00	4232.59	-4231.77	124.72	730284.72	368021.37	32°00'34.664"N	103°35'25.434"W	0.00	0.00	0.00	
16332.60†	90.000	179.568	12275.00	4332.59	-4331.77	125.48	730285.47	367921.37	32°00'33.675"N	103°35'25.433"W	0.00	0.00	0.00	
16432.60†	90.000	179.568	12275.00	4432.59	-4431.76	126.23	730286.23	367821.38	32°00'32.685"N	103°35'25.432"W	0.00	0.00	0.00	
16532.60†	90.000	179.568	12275.00	4532.59	-4531.76	126.98	730286.98	367721.39	32°00'31.695"N	103°35'25.431"W	0.00	0.00	0.00	
16632.60†	90.000	179.568	12275.00	4632.59	-4631.76	127.74	730287.73	367621.39	32°00'30.706"N	103°35'25.430"W	0.00	0.00	0.00	
16732.60†	90.000	179.568	12275.00	4732.59	-4731.75	128.49	730288.49	367521.40	32°00'29.716"N	103°35'25.430"W	0.00	0.00	0.00	
16832.60†	90.000	179.568	12275.00	4832.59	-4831.75	129.25	730289.24	367421.41	32°00'28.727"N	103°35'25.429"W	0.00	0.00	0.00	
16932.60†	90.000	179.568	12275.00	4932.59	-4931.75	130.00	730290.00	367321.41	32°00'27.737"N	103°35'25.428"W	0.00	0.00	0.00	
17032.60†	90.000	179.568	12275.00	5032.59	-5031.75	130.75	730290.75	367221.42	32°00'26.747"N	103°35'25.427"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 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H PWB
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WELLPATH DATA (205 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	12275.00	5132.59	-5131.74	131.51	730291.50	367121.42	32°00'25.758"N	103°35'25.427"W	0.00	0.00	0.00	
17232.60†	90.000	179.568	12275.00	5232.59	-5231.74	132.26	730292.26	367021.43	32°00'24.768"N	103°35'25.426"W	0.00	0.00	0.00	
17332.60†	90.000	179.568	12275.00	5332.59	-5331.74	133.02	730293.01	366921.44	32°00'23.779"N	103°35'25.425"W	0.00	0.00	0.00	
17432.60†	90.000	179.568	12275.00	5432.59	-5431.73	133.77	730293.77	366821.44	32°00'22.789"N	103°35'25.424"W	0.00	0.00	0.00	
17532.60†	90.000	179.568	12275.00	5532.59	-5531.73	134.52	730294.52	366721.45	32°00'21.800"N	103°35'25.423"W	0.00	0.00	0.00	
17632.60†	90.000	179.568	12275.00	5632.59	-5631.73	135.28	730295.27	366621.46	32°00'20.810"N	103°35'25.423"W	0.00	0.00	0.00	
17732.60†	90.000	179.568	12275.00	5732.59	-5731.73	136.03	730296.03	366521.46	32°00'19.820"N	103°35'25.422"W	0.00	0.00	0.00	
17832.60†	90.000	179.568	12275.00	5832.59	-5831.72	136.79	730296.78	366421.47	32°00'18.831"N	103°35'25.421"W	0.00	0.00	0.00	
17932.60†	90.000	179.568	12275.00	5932.59	-5931.72	137.54	730297.54	366321.47	32°00'17.841"N	103°35'25.420"W	0.00	0.00	0.00	
18032.60†	90.000	179.568	12275.00	6032.59	-6031.72	138.29	730298.29	366221.48	32°00'16.852"N	103°35'25.420"W	0.00	0.00	0.00	
18132.60†	90.000	179.568	12275.00	6132.59	-6131.71	139.05	730299.04	366121.48	32°00'15.862"N	103°35'25.419"W	0.00	0.00	0.00	
18232.60†	90.000	179.568	12275.00	6232.59	-6231.71	139.80	730299.80	366021.49	32°00'14.872"N	103°35'25.418"W	0.00	0.00	0.00	
18332.60†	90.000	179.568	12275.00	6332.59	-6331.71	140.56	730300.55	365921.50	32°00'13.883"N	103°35'25.417"W	0.00	0.00	0.00	
18432.60†	90.000	179.568	12275.00	6432.59	-6431.71	141.31	730301.30	365821.50	32°00'12.893"N	103°35'25.416"W	0.00	0.00	0.00	
18532.60†	90.000	179.568	12275.00	6532.59	-6531.70	142.06	730302.06	365721.51	32°00'11.904"N	103°35'25.416"W	0.00	0.00	0.00	
18632.60†	90.000	179.568	12275.00	6632.59	-6631.70	142.82	730302.81	365621.51	32°00'10.914"N	103°35'25.415"W	0.00	0.00	0.00	
18732.60†	90.000	179.568	12275.00	6732.59	-6731.70	143.57	730303.57	365521.52	32°00'09.925"N	103°35'25.414"W	0.00	0.00	0.00	
18832.60†	90.000	179.568	12275.00	6832.59	-6831.69	144.33	730304.32	365421.53	32°00'08.935"N	103°35'25.413"W	0.00	0.00	0.00	
18932.60†	90.000	179.568	12275.00	6932.59	-6931.69	145.08	730305.07	365321.53	32°00'07.945"N	103°35'25.413"W	0.00	0.00	0.00	
19032.60†	90.000	179.568	12275.00	7032.59	-7031.69	145.83	730305.83	365221.54	32°00'06.956"N	103°35'25.412"W	0.00	0.00	0.00	
19132.60†	90.000	179.568	12275.00	7132.59	-7131.69	146.59	730306.58	365121.54	32°00'05.966"N	103°35'25.411"W	0.00	0.00	0.00	
19232.60†	90.000	179.568	12275.00	7232.59	-7231.68	147.34	730307.34	365021.55	32°00'04.977"N	103°35'25.410"W	0.00	0.00	0.00	
19332.60†	90.000	179.568	12275.00	7332.59	-7331.68	148.10	730308.09	364921.56	32°00'03.987"N	103°35'25.409"W	0.00	0.00	0.00	
19432.60†	90.000	179.568	12275.00	7432.59	-7431.68	148.85	730308.84	364821.56	32°00'02.997"N	103°35'25.409"W	0.00	0.00	0.00	
19512.87	90.000	179.568	12275.00	7512.86	-7511.95	149.45	730309.45	364741.29	32°00'02.203"N	103°35'25.408"W	0.00	0.00	0.00	End of Tangent



Planned Wellpath Report

SD EA 29 FED COM P8 9H Rev B.0

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REFERENCE WELLPATH IDENTIFICATION

Operator	Chevron U.S.A. Inc.	Slot	SD EA 29 FED COM P8 9H
Area	Lea County, NM	Well	SD EA 29 FED COM P8 9H
Field	Jennings / Upper BN SPR Shale (Lea County, NM)	Wellbore	SD EA 29 FED COM P8 9H 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 2 (A) FTP		12275.00	-193.87	94.29	730254.29	372059.13	32°01'14.623"N	103°35'25.465"W	point
1) SD EA 29 FED COM P8 No. Well 2 (A) PBHL rev 1	19512.87	12275.00	-7511.95	149.46	730309.45	364741.29	32°00'02.203"N	103°35'25.408"W	point

SURVEY PROGRAM - Ref Wellbore: SD EA 29 FED COM P8 9H PWB Ref Wellpath: SD EA 29 FED COM P8 9H 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 9H PWB
2300.00	11800.00	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 9H PWB
11800.00	19617.55	BHI NaviTrak (Axial)		SD EA 29 FED COM P8 9H PWB