

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 4/26/23
⁴ API Number 30-025-50831	⁵ Pool Name Bell Lake; Wolfcamp, North	⁶ Pool Code 5170
⁷ Property Code 330177	⁸ Property Name Parseltongue 15-10 State Com	⁹ Well Number 31H

II. 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
O	15	23E	33E		525	South	2476	East	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	10	23E	33E		22	North	2255	East	LEA
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date 4/26/23	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

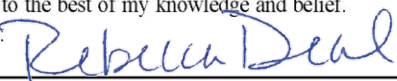
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
024650	Targa Permian, LP 1000 Louisiana, Ste 4300 Houston, TX 77002	Gas
174238	Enterprise 201 Park Avenue, Ste 1600 Oklahoma City, OK 73102	Oil

IV. Well Completion Data

²¹ Spud Date 12/27/22	²² Ready Date 4/26/23	²³ TD 22,647'	²⁴ PBTD 22,556'	²⁵ Perforations 12,872' - 22,556'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
13.5	10.75	1418.5'	940 SX CLC; Circ 0		
9.875	8.625	11858.6'	710 SX CLC; Circ 122 SX		
7.875	5.5	22631.4'	1700 SX CLH; Circ 0		
	Tubing:	0	SURF SQUEEZE-132 SX CLC ; Circ 54 SX		

V. Well Test Data

³¹ Date New Oil 5/20/23	³² Gas Delivery Date 5/20/23	³³ Test Date 5/20/23	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure 634.4 psi
³⁷ Choke Size	³⁸ Oil 2848.77 bbl	³⁹ Water 5129.61 bbl	⁴⁰ Gas 6121.51 mcf		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Rebecca Deal			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: Rebecca.Deal@dmn.com			Approval Date: 1/8/2025		
Date: 6/6/2023		Phone: 405-228-8429			

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 RD., 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, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-50831	Pool Code 5170	Pool Name BELL LAKE;WOLFCAMP, NORTH
Property Code 330177	Property Name PARSELTONGUE 15-10 STATE COM	Well Number 31H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3719.0'

Surface Location

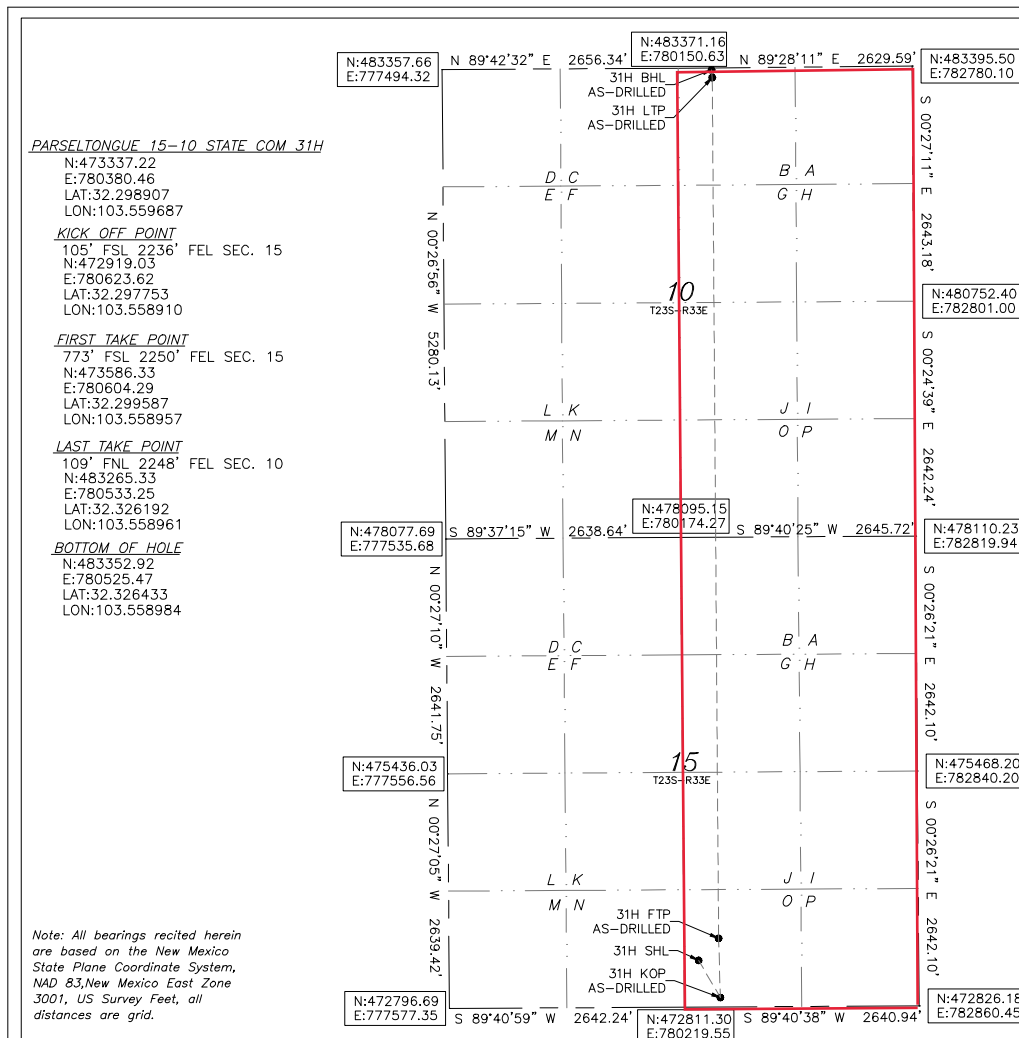
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	15	23-S	33-E		525	SOUTH	2476	EAST	LEA

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
B	10	23-S	33-E		22	NORTH	2255	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Rebecca Deal 6/6/2023
Signature Date
Rebecca Deal, Regulatory Analyst
Printed Name
rebecca.deal@dvn.com
E-mail Address

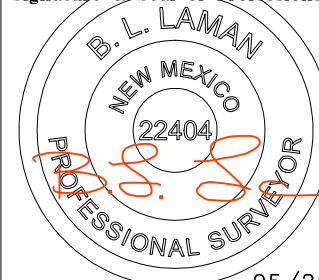
SURVEYOR CERTIFICATION

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.

02/27/2023

Date of Survey

Signature & Seal of Professional Surveyor



05/25/2023

Certificate No. 22404 B.L. LAMAN
DRAWN BY: CM

Intent ☐ As Drilled ☒

API # 30-025-50831		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: PARSELTONGUE 15-10 STATE COM	Well Number 31H

Kick Off Point (KOP)

UL O	Section 15	Township 23-S	Range 33-E	Lot	Feet 105	From N/S SOUTH	Feet 2236	From E/W EAST	County LEA
Latitude 32.297753					Longitude 103.558910			NAD 83	

First Take Point (FTP)

UL O	Section 15	Township 23-S	Range 33-E	Lot	Feet 773	From N/S SOUTH	Feet 2250	From E/W EAST	County LEA
Latitude 32.299587					Longitude 103.558957			NAD 83	

Last Take Point (LTP)

UL B	Section 10	Township 23-S	Range 33-E	Lot	Feet 109	From N/S NORTH	Feet 2248	From E/W EAST	County LEA
Latitude 32.326192					Longitude 103.558961			NAD 83	

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

☐ N

Is this well an infill well?

☐ y

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

API #		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: PARSELTONGUE 15-10 STATE COM	Well Number 24H

KZ 06/29/2018



Company: Devon
Site: Sec 15-T23S-R33E
Well: Parseltongue 15-10 State Com 31H
Project: Lea County, NM (NAD83)
Rig: Precision 561



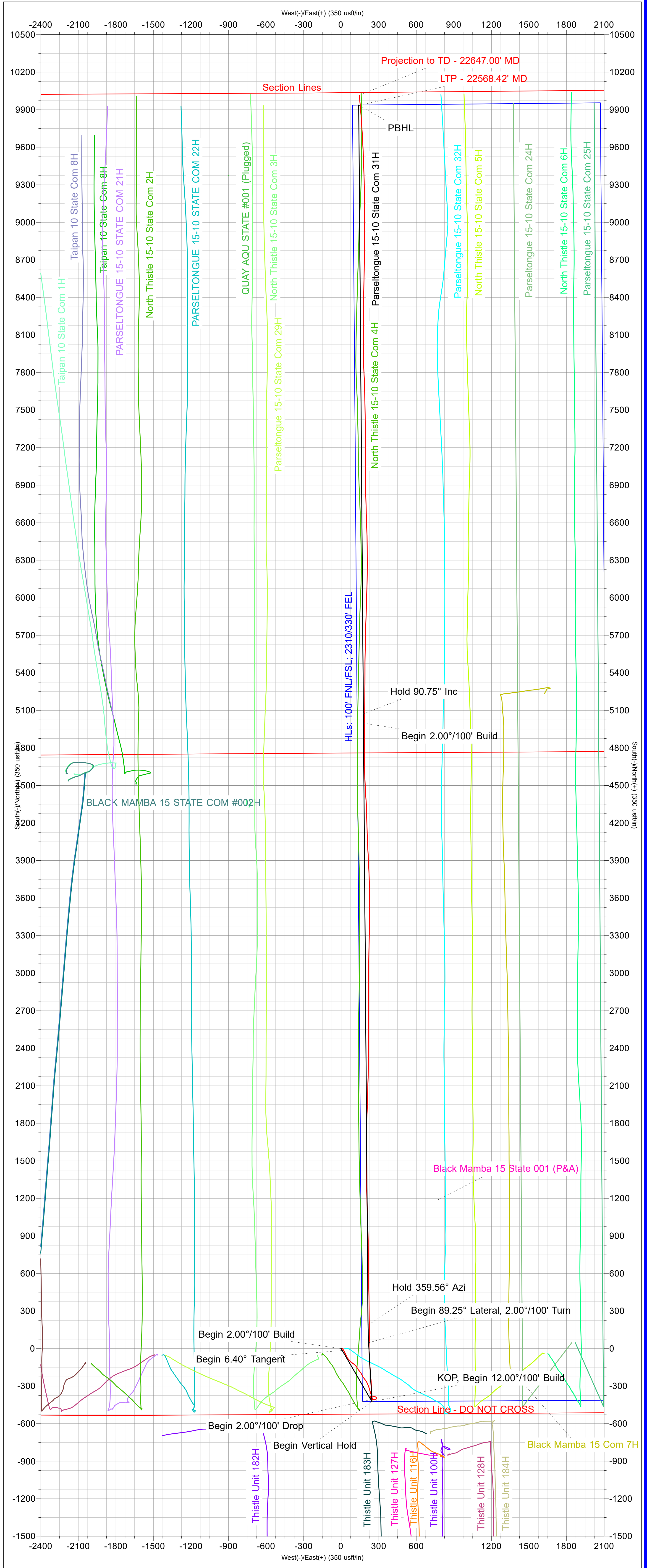
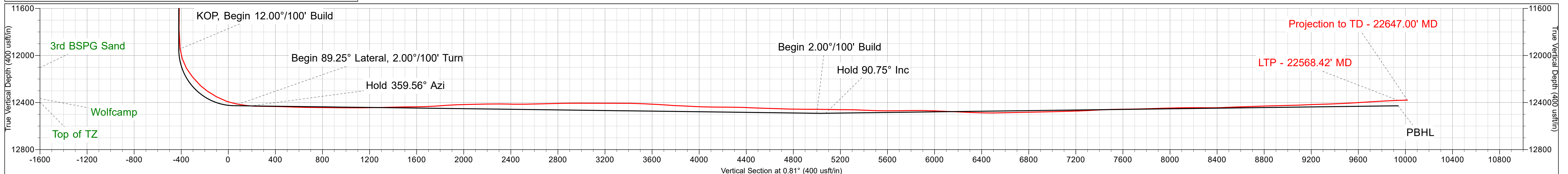
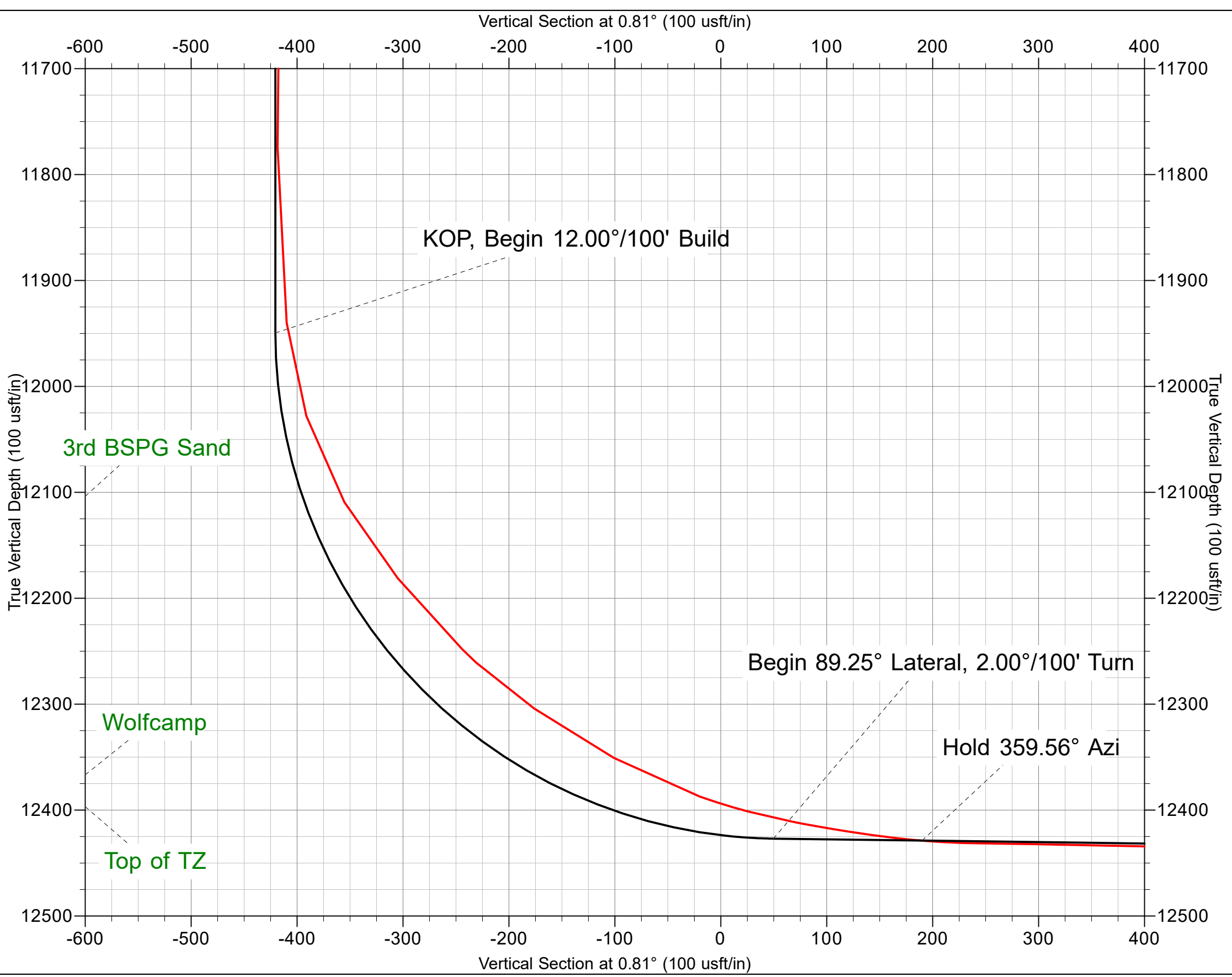
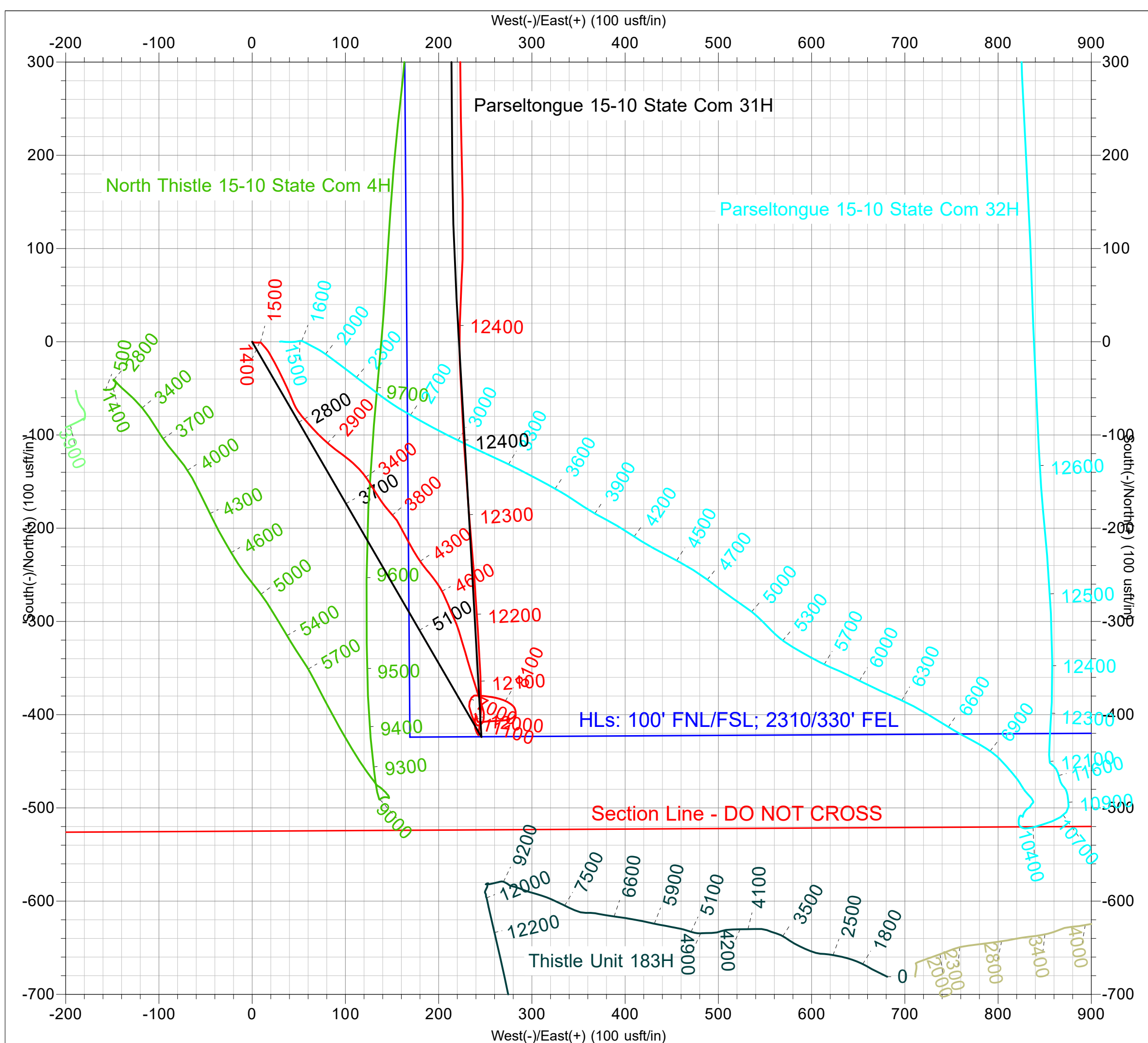
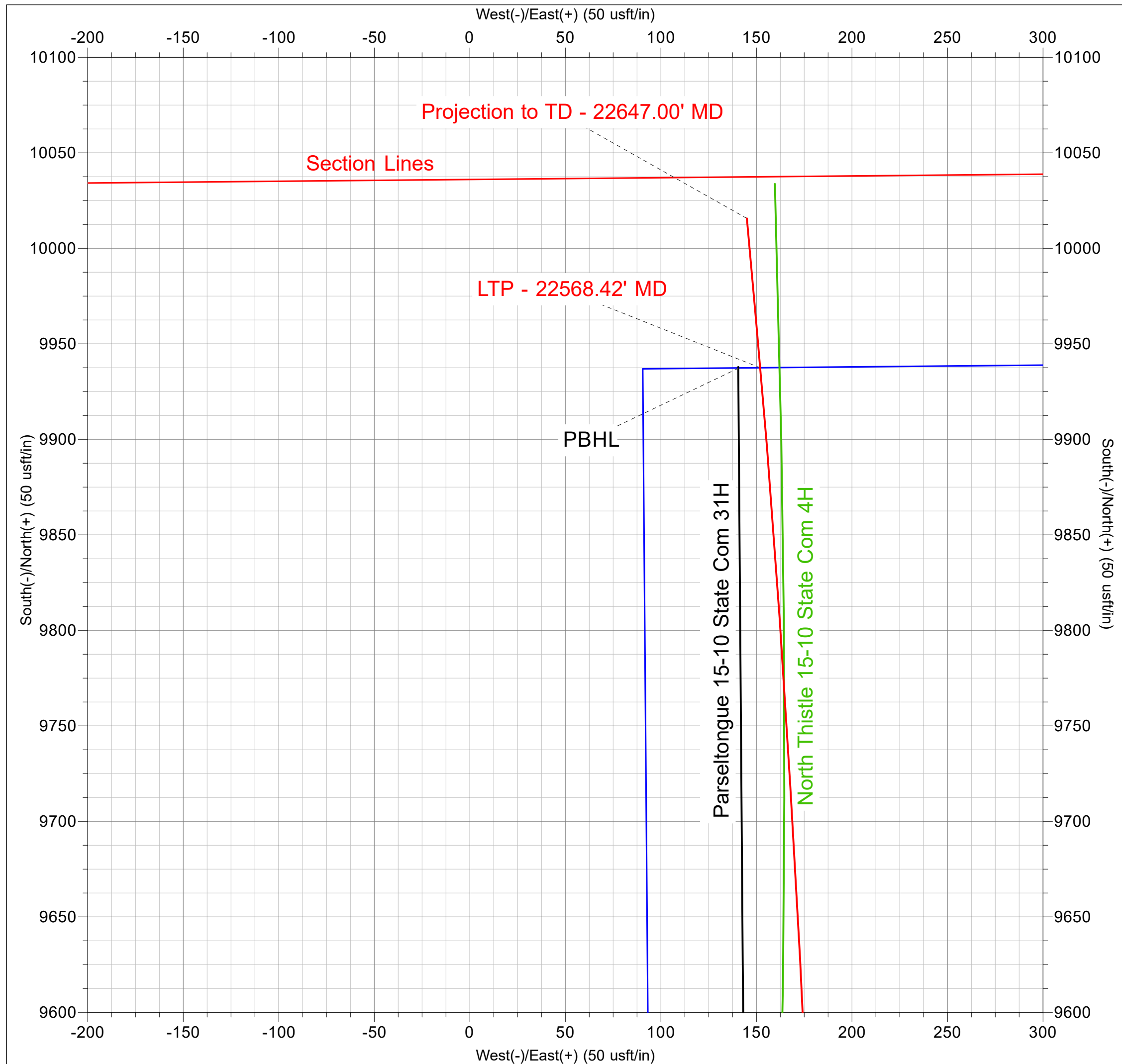
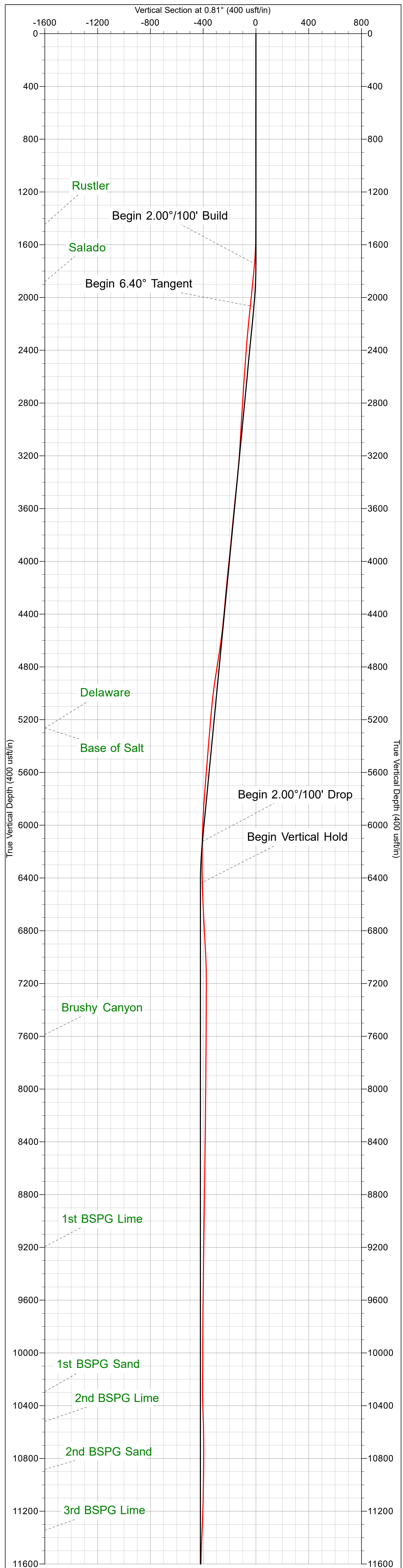
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1750.00	0.00	0.00	1750.00	0.00	0.00	0.00	0.00	Begin 2.00°/100' Build
2069.84	6.40	149.87	2069.18	-15.43	8.95	-15.30	17.84	Begin 6.40° Tangent
6148.88	6.40	149.87	6122.82	-408.51	237.05	-405.12	472.31	Begin 2.00°/100' Drop
6468.72	0.00	0.00	6442.00	-423.94	246.00	-420.42	490.14	Begin Vertical Hold
11976.30	0.00	0.00	11949.58	-423.94	246.00	-420.42	490.14	KOP, Begin 12.00°/100' Build
12720.05	89.25	356.75	12427.00	46.52	219.29	49.61	961.36	Begin 89.25° Lateral, 2.00°/100' Turn
12860.68	89.25	359.56	12428.84	187.05	214.76	190.06	1101.97	Hold 359.56° Azi
17672.16	89.25	359.56	12491.45	4997.98	178.05	5000.00	5913.05	Begin 2.00°/100' Build
17746.81	90.75	359.56	12491.45	5072.62	177.48	5074.62	5987.69	Hold 90.75° Inc
22611.96	90.75	359.56	12428.00	9937.22	140.53	9938.21	10852.43	PBHL

Magnetics will be generated by MWD provider.

US State Plane 1983
New Mexico Eastern Zone

Created By: HLH
Date: 6.05, February 27 2023
Plan: Design #1





Devon

Lea County, NM (NAD83)

Sec 15-T23S-R33E

Parseltongue 15-10 State Com 31H

Wellbore #1

Design: Surveys

Standard Survey Report

27 February, 2023





Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 15-T23S-R33E		
Site Position:		Northing:	478,077.43 usft
From:	Map	Easting:	777,535.58 usft
Position Uncertainty:	5.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.311992
		Longitude:	-103.568785
		Grid Convergence:	0.41 °

Well	Parseltongue 15-10 State Com 31H		
Well Position	+N/-S	0.00 usft	Northing: 473,337.22 usft
	+E/-W	0.00 usft	Easting: 780,380.46 usft
Position Uncertainty	0.50 usft	Wellhead Elevation:	usft
		Latitude:	32.298907
		Longitude:	-103.559687
		Ground Level:	3,718.99 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	User Defined	2/4/2023	6.28
			Dip Angle (°) 59.87
			Field Strength (nT) 47,550.00000000

Design	Surveys		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 0.81

Survey Program	Date 2/27/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
174.00	22,647.00	Scientific MWD (Wellbore #1)	MWD
			Description OWSG MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174.00	0.20	125.88	174.00	-0.18	0.25	-0.17	0.11	0.11	0.00
269.00	0.27	97.74	269.00	-0.31	0.60	-0.30	0.14	0.07	-29.62
362.00	0.20	95.26	362.00	-0.35	0.98	-0.34	0.08	-0.08	-2.67
456.00	0.29	102.80	456.00	-0.42	1.38	-0.40	0.10	0.10	8.02
550.00	0.17	114.43	550.00	-0.53	1.74	-0.50	0.14	-0.13	12.37
645.00	0.30	101.26	645.00	-0.63	2.11	-0.60	0.15	0.14	-13.86
738.00	0.30	94.49	737.99	-0.70	2.59	-0.66	0.04	0.00	-7.28
832.00	0.36	102.00	831.99	-0.78	3.12	-0.74	0.08	0.06	7.99
925.00	0.42	94.79	924.99	-0.87	3.75	-0.82	0.08	0.06	-7.75



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,014.00	0.47	84.98	1,013.99	-0.87	4.44	-0.80	0.10	0.06	-11.02
1,104.00	0.50	88.82	1,103.98	-0.83	5.20	-0.75	0.05	0.03	4.27
1,194.00	0.58	89.23	1,193.98	-0.81	6.05	-0.73	0.09	0.09	0.46
1,283.00	0.50	90.35	1,282.98	-0.81	6.88	-0.71	0.09	-0.09	1.26
1,357.00	0.61	87.54	1,356.97	-0.79	7.60	-0.69	0.15	0.15	-3.80
1,509.00	0.48	91.65	1,508.97	-0.78	9.05	-0.65	0.09	-0.09	2.70
1,598.00	2.40	140.80	1,597.94	-2.23	10.60	-2.08	2.38	2.16	55.22
1,687.00	4.71	137.85	1,686.76	-6.39	14.23	-6.18	2.60	2.60	-3.31
1,776.00	6.50	150.01	1,775.33	-13.46	19.20	-13.19	2.40	2.01	13.66
1,865.00	6.58	151.77	1,863.75	-22.31	24.13	-21.97	0.24	0.09	1.98
1,954.00	6.43	153.80	1,952.18	-31.28	28.74	-30.87	0.31	-0.17	2.28
2,043.00	6.64	152.93	2,040.60	-40.33	33.28	-39.86	0.26	0.24	-0.98
2,132.00	5.98	156.23	2,129.06	-49.16	37.49	-48.62	0.85	-0.74	3.71
2,221.00	6.13	157.21	2,217.57	-57.78	41.20	-57.19	0.20	0.17	1.10
2,311.00	6.15	156.85	2,307.05	-66.64	44.96	-66.00	0.05	0.02	-0.40
2,400.00	5.04	144.91	2,395.63	-74.23	49.08	-73.52	1.80	-1.25	-13.42
2,489.00	5.09	139.86	2,484.28	-80.44	53.87	-79.67	0.50	0.06	-5.67
2,579.00	5.27	137.62	2,573.91	-86.55	59.23	-85.70	0.30	0.20	-2.49
2,668.00	5.42	138.41	2,662.53	-92.71	64.78	-91.79	0.19	0.17	0.89
2,757.00	5.43	135.69	2,751.13	-98.87	70.51	-97.86	0.29	0.01	-3.06
2,846.00	5.54	132.39	2,839.72	-104.78	76.62	-103.68	0.38	0.12	-3.71
2,936.00	5.45	129.51	2,929.31	-110.43	83.13	-109.24	0.32	-0.10	-3.20
3,025.00	5.74	127.96	3,017.88	-115.85	89.90	-114.57	0.37	0.33	-1.74
3,114.00	5.78	125.34	3,106.43	-121.18	97.06	-119.80	0.30	0.04	-2.94
3,204.00	6.10	129.62	3,195.95	-126.85	104.44	-125.36	0.61	0.36	4.76
3,293.00	7.46	134.86	3,284.33	-133.94	112.18	-132.35	1.68	1.53	5.89
3,382.00	7.24	140.85	3,372.60	-142.37	119.82	-140.66	0.90	-0.25	6.73
3,472.00	7.36	149.26	3,461.87	-151.72	126.35	-149.92	1.19	0.13	9.34
3,561.00	7.08	148.09	3,550.16	-161.28	132.16	-159.39	0.36	-0.31	-1.31
3,651.00	7.02	144.90	3,639.48	-170.49	138.25	-168.51	0.44	-0.07	-3.54
3,741.00	6.98	141.19	3,728.81	-179.25	144.84	-177.18	0.50	-0.04	-4.12
3,830.00	6.93	137.39	3,817.16	-187.41	151.87	-185.25	0.52	-0.06	-4.27
3,920.00	6.74	152.67	3,906.53	-196.10	157.97	-193.85	2.03	-0.21	16.98
4,009.00	6.82	151.47	3,994.91	-205.38	162.89	-203.06	0.18	0.09	-1.35
4,099.00	6.56	152.88	4,084.29	-214.65	167.79	-212.26	0.34	-0.29	1.57
4,189.00	6.48	149.43	4,173.71	-223.60	172.71	-221.14	0.44	-0.09	-3.83
4,278.00	6.25	146.76	4,262.16	-231.98	177.92	-229.44	0.42	-0.26	-3.00
4,368.00	6.29	142.18	4,351.62	-239.97	183.63	-237.35	0.56	0.04	-5.09
4,458.00	7.26	140.27	4,440.99	-248.24	190.29	-245.52	1.11	1.08	-2.12
4,547.00	8.82	144.57	4,529.12	-258.12	197.84	-255.30	1.88	1.75	4.83
4,637.00	8.86	153.76	4,618.05	-269.96	204.90	-267.04	1.57	0.04	10.21
4,726.00	9.04	158.41	4,705.97	-282.61	210.51	-279.61	0.84	0.20	5.22
4,816.00	9.94	154.98	4,794.74	-296.23	216.39	-293.14	1.18	1.00	-3.81
4,906.00	9.22	163.32	4,883.49	-310.17	221.75	-307.01	1.74	-0.80	9.27



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,996.00	8.02	163.54	4,972.47	-323.10	225.60	-319.88	1.33	-1.33	0.24
5,085.00	5.98	163.15	5,060.80	-333.49	228.70	-330.23	2.29	-2.29	-0.44
5,174.00	5.49	164.41	5,149.36	-342.03	231.19	-338.73	0.57	-0.55	1.42
5,264.00	5.09	162.77	5,238.97	-349.99	233.53	-346.66	0.48	-0.44	-1.82
5,353.00	4.75	162.77	5,327.64	-357.28	235.79	-353.91	0.38	-0.38	0.00
5,443.00	4.92	162.86	5,417.32	-364.53	238.03	-361.13	0.19	0.19	0.10
5,533.00	4.84	161.57	5,507.00	-371.82	240.37	-368.38	0.15	-0.09	-1.43
5,622.00	4.85	162.99	5,595.68	-378.98	242.66	-375.51	0.14	0.01	1.60
5,711.00	4.97	160.79	5,684.35	-386.22	245.03	-382.71	0.25	0.13	-2.47
5,801.00	4.45	162.86	5,774.05	-393.24	247.34	-389.70	0.61	-0.58	2.30
5,890.00	3.48	176.75	5,862.84	-399.23	248.51	-395.68	1.53	-1.09	15.61
5,980.00	2.73	186.60	5,952.70	-404.09	248.42	-400.54	1.02	-0.83	10.94
6,069.00	2.12	199.83	6,041.63	-407.74	247.61	-404.20	0.93	-0.69	14.87
6,159.00	1.83	242.59	6,131.58	-409.97	245.77	-406.45	1.63	-0.32	47.51
6,249.00	1.64	237.63	6,221.54	-411.32	243.41	-407.84	0.27	-0.21	-5.51
6,338.00	0.88	304.90	6,310.52	-411.61	241.77	-408.15	1.72	-0.85	75.58
6,428.00	1.04	310.67	6,400.50	-410.68	240.59	-407.24	0.21	0.18	6.41
6,518.00	2.45	333.60	6,490.46	-408.43	239.11	-405.01	1.72	1.57	25.48
6,607.00	2.46	332.01	6,579.38	-405.04	237.37	-401.64	0.08	0.01	-1.79
6,697.00	3.10	342.69	6,669.27	-401.01	235.74	-397.64	0.91	0.71	11.87
6,786.00	3.51	343.30	6,758.13	-396.10	234.24	-392.75	0.46	0.46	0.69
6,876.00	3.20	346.54	6,847.97	-391.02	232.87	-387.69	0.40	-0.34	3.60
6,966.00	3.21	24.74	6,937.84	-386.29	233.34	-382.95	2.33	0.01	42.44
7,055.00	3.08	24.81	7,026.71	-381.85	235.38	-378.49	0.15	-0.15	0.08
7,145.00	2.30	83.25	7,116.62	-379.45	238.19	-376.04	3.01	-0.87	64.93
7,234.00	2.42	95.51	7,205.55	-379.42	241.83	-375.96	0.58	0.13	13.78
7,323.00	2.35	93.95	7,294.47	-379.72	245.52	-376.22	0.11	-0.08	-1.75
7,413.00	2.19	97.45	7,384.40	-380.07	249.07	-376.52	0.24	-0.18	3.89
7,502.00	2.32	95.83	7,473.33	-380.48	252.55	-376.87	0.16	0.15	-1.82
7,592.00	2.04	98.87	7,563.27	-380.91	255.94	-377.25	0.34	-0.31	3.38
7,681.00	1.98	98.83	7,652.21	-381.39	259.03	-377.69	0.07	-0.07	-0.04
7,771.00	1.88	105.57	7,742.16	-382.02	261.99	-378.28	0.28	-0.11	7.49
7,860.00	1.67	105.95	7,831.12	-382.77	264.64	-378.99	0.24	-0.24	0.43
7,950.00	1.56	108.79	7,921.08	-383.53	267.06	-379.71	0.15	-0.12	3.16
8,040.00	1.62	109.78	8,011.05	-384.35	269.42	-380.51	0.07	0.07	1.10
8,130.00	1.46	115.21	8,101.01	-385.27	271.65	-381.39	0.24	-0.18	6.03
8,219.00	1.39	118.46	8,189.99	-386.27	273.63	-382.36	0.12	-0.08	3.65
8,309.00	1.16	116.37	8,279.96	-387.19	275.40	-383.26	0.26	-0.26	-2.32
8,399.00	1.12	131.97	8,369.95	-388.19	276.87	-384.23	0.35	-0.04	17.33
8,488.00	0.93	129.19	8,458.93	-389.23	278.08	-385.26	0.22	-0.21	-3.12
8,578.00	0.99	126.76	8,548.92	-390.15	279.27	-386.17	0.08	0.07	-2.70
8,668.00	1.04	140.83	8,638.91	-391.25	280.41	-387.25	0.28	0.06	15.63
8,757.00	1.15	151.19	8,727.89	-392.66	281.35	-388.64	0.25	0.12	11.64



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,847.00	0.85	169.17	8,817.88	-394.11	281.91	-390.08	0.48	-0.33	19.98
8,937.00	0.99	165.59	8,907.86	-395.52	282.23	-391.49	0.17	0.16	-3.98
9,026.00	0.77	171.25	8,996.85	-396.85	282.51	-392.82	0.27	-0.25	6.36
9,116.00	0.78	172.57	9,086.85	-398.06	282.68	-394.02	0.02	0.01	1.47
9,205.00	0.72	191.13	9,175.84	-399.21	282.65	-395.17	0.28	-0.07	20.85
9,295.00	0.60	217.76	9,265.83	-400.13	282.25	-396.10	0.36	-0.13	29.59
9,384.00	0.83	209.82	9,354.83	-401.06	281.65	-397.04	0.28	0.26	-8.92
9,474.00	1.14	222.38	9,444.81	-402.29	280.72	-398.28	0.42	0.34	13.96
9,564.00	1.32	234.48	9,534.79	-403.55	279.27	-399.56	0.35	0.20	13.44
9,653.00	1.63	249.93	9,623.76	-404.58	277.25	-400.62	0.56	0.35	17.36
9,743.00	2.19	258.38	9,713.71	-405.37	274.36	-401.45	0.69	0.62	9.39
9,832.00	2.68	261.73	9,802.63	-406.01	270.64	-402.14	0.57	0.55	3.76
9,922.00	2.98	264.98	9,892.52	-406.52	266.22	-402.71	0.38	0.33	3.61
10,011.00	3.13	268.73	9,981.40	-406.77	261.49	-403.03	0.28	0.17	4.21
10,101.00	3.43	268.29	10,071.25	-406.91	256.34	-403.24	0.33	0.33	-0.49
10,191.00	3.70	263.09	10,161.07	-407.34	250.77	-403.75	0.47	0.30	-5.78
10,280.00	3.21	260.33	10,249.91	-408.10	245.46	-404.59	0.58	-0.55	-3.10
10,370.00	1.78	310.59	10,339.83	-407.61	241.92	-404.15	2.76	-1.59	55.84
10,460.00	2.15	7.14	10,429.79	-405.03	241.06	-401.58	2.10	0.41	62.83
10,549.00	1.68	347.05	10,518.74	-402.10	240.98	-398.65	0.91	-0.53	-22.57
10,639.00	1.18	310.77	10,608.71	-400.21	239.98	-396.78	1.12	-0.56	-40.31
10,729.00	0.32	20.00	10,698.71	-399.37	239.37	-395.95	1.23	-0.96	76.92
10,818.00	0.27	90.63	10,787.70	-399.14	239.66	-395.71	0.39	-0.06	79.36
10,908.00	0.77	179.88	10,877.70	-399.74	239.87	-396.31	0.90	0.56	99.17
10,998.00	1.00	173.76	10,967.69	-401.13	239.96	-397.70	0.28	0.26	-6.80
11,088.00	0.95	199.66	11,057.68	-402.61	239.80	-399.18	0.49	-0.06	28.78
11,177.00	1.32	194.12	11,146.66	-404.30	239.30	-400.88	0.43	0.42	-6.22
11,267.00	1.98	183.74	11,236.62	-406.86	238.94	-403.44	0.80	0.73	-11.53
11,357.00	2.58	177.36	11,326.55	-410.43	238.93	-407.02	0.72	0.67	-7.09
11,446.00	2.51	169.63	11,415.46	-414.35	239.38	-410.93	0.39	-0.08	-8.69
11,536.00	1.94	156.30	11,505.40	-417.69	240.34	-414.25	0.85	-0.63	-14.81
11,626.00	1.08	149.03	11,595.36	-419.81	241.39	-416.35	0.98	-0.96	-8.08
11,716.00	0.67	142.90	11,685.35	-420.96	242.15	-417.49	0.47	-0.46	-6.81
11,805.00	0.61	159.03	11,774.35	-421.81	242.63	-418.34	0.21	-0.07	18.12
11,971.00	6.55	5.73	11,940.01	-413.21	243.89	-409.72	4.28	3.58	-92.35
12,061.00	17.42	4.97	12,027.92	-394.62	245.58	-391.11	12.08	12.08	-0.84
12,150.00	30.20	355.46	12,109.20	-358.87	244.96	-355.38	14.95	14.36	-10.69
12,238.00	40.02	357.77	12,181.11	-308.41	242.10	-304.96	11.26	11.16	2.63
12,329.00	44.61	354.68	12,248.39	-247.32	237.99	-243.93	5.54	5.04	-3.40
12,347.00	48.11	354.21	12,260.81	-234.36	236.73	-230.99	19.54	19.44	-2.61
12,417.00	55.47	356.29	12,304.08	-179.58	232.23	-176.28	10.77	10.51	2.97
12,506.00	61.10	355.67	12,350.85	-104.09	226.91	-100.87	6.35	6.33	-0.70
12,595.00	70.60	358.50	12,387.22	-23.09	222.86	-19.93	11.06	10.67	3.18



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,685.00	78.91	3.62	12,410.88	63.62	224.54	66.79	10.74	9.23	5.69
12,774.00	82.63	358.13	12,425.17	151.41	225.86	154.59	7.38	4.18	-6.17
12,863.00	89.26	359.35	12,431.46	240.11	223.92	243.26	7.57	7.45	1.37
12,953.00	88.82	359.48	12,432.97	330.10	223.00	333.22	0.51	-0.49	0.14
13,042.00	88.83	359.06	12,434.79	419.07	221.86	422.16	0.47	0.01	-0.47
13,131.00	88.49	358.84	12,436.87	508.03	220.23	511.09	0.45	-0.38	-0.25
13,221.00	87.72	359.28	12,439.85	597.97	218.76	601.00	0.99	-0.86	0.49
13,310.00	89.60	359.56	12,441.93	686.94	217.86	689.95	2.14	2.11	0.31
13,399.00	89.46	359.37	12,442.66	775.93	217.03	778.92	0.27	-0.16	-0.21
13,489.00	89.13	358.69	12,443.77	865.91	215.50	868.87	0.84	-0.37	-0.76
13,579.00	89.87	358.66	12,444.55	955.88	213.42	958.80	0.82	0.82	-0.03
13,668.00	89.36	357.80	12,445.15	1,044.83	210.67	1,047.71	1.12	-0.57	-0.97
13,758.00	90.97	358.23	12,444.89	1,134.78	207.55	1,137.60	1.85	1.79	0.48
13,847.00	90.81	358.15	12,443.51	1,223.72	204.74	1,226.49	0.20	-0.18	-0.09
13,936.00	91.34	359.14	12,441.84	1,312.68	202.64	1,315.41	1.26	0.60	1.11
14,026.00	91.78	359.88	12,439.39	1,402.64	201.87	1,405.36	0.96	0.49	0.82
14,115.00	90.60	359.29	12,437.54	1,491.62	201.23	1,494.31	1.48	-1.33	-0.66
14,205.00	90.64	358.75	12,436.57	1,581.60	199.69	1,584.27	0.60	0.04	-0.60
14,294.00	91.64	0.67	12,434.80	1,670.58	199.24	1,673.23	2.43	1.12	2.16
14,384.00	93.93	2.04	12,430.42	1,760.44	201.36	1,763.11	2.96	2.54	1.52
14,473.00	94.50	2.95	12,423.88	1,849.11	205.22	1,851.83	1.20	0.64	1.02
14,562.00	91.51	1.75	12,419.22	1,937.90	208.87	1,940.66	3.62	-3.36	-1.35
14,652.00	91.71	1.25	12,416.69	2,027.84	211.22	2,030.62	0.60	0.22	-0.56
14,741.00	90.97	1.71	12,414.61	2,116.78	213.52	2,119.59	0.98	-0.83	0.52
14,830.00	91.21	1.90	12,412.91	2,205.72	216.32	2,208.56	0.34	0.27	0.21
14,920.00	89.80	0.69	12,412.12	2,295.69	218.36	2,298.55	2.06	-1.57	-1.34
15,009.00	88.49	0.36	12,413.45	2,384.67	219.17	2,387.53	1.52	-1.47	-0.37
15,099.00	90.27	359.93	12,414.42	2,474.66	219.40	2,477.52	2.03	1.98	-0.48
15,188.00	91.07	359.81	12,413.38	2,563.66	219.20	2,566.50	0.91	0.90	-0.13
15,278.00	91.48	359.36	12,411.38	2,653.63	218.55	2,656.46	0.68	0.46	-0.50
15,367.00	91.58	359.91	12,409.00	2,742.60	217.98	2,745.41	0.63	0.11	0.62
15,457.00	90.84	0.14	12,407.10	2,832.58	218.02	2,835.38	0.86	-0.82	0.26
15,546.00	90.50	0.61	12,406.06	2,921.57	218.60	2,924.37	0.65	-0.38	0.53
15,635.00	89.80	0.54	12,405.83	3,010.56	219.49	3,013.37	0.79	-0.79	-0.08
15,725.00	90.00	0.70	12,405.98	3,100.56	220.47	3,103.37	0.28	0.22	0.18
15,814.00	89.90	1.22	12,406.06	3,189.55	221.96	3,192.36	0.59	-0.11	0.58
15,903.00	89.56	1.06	12,406.48	3,278.53	223.73	3,281.36	0.42	-0.38	-0.18
15,993.00	90.03	1.64	12,406.80	3,368.50	225.85	3,371.36	0.83	0.52	0.64
16,082.00	88.05	0.26	12,408.29	3,457.47	227.33	3,460.34	2.71	-2.22	-1.55
16,171.00	87.38	0.43	12,411.84	3,546.40	227.86	3,549.26	0.78	-0.75	0.19
16,261.00	87.28	358.71	12,416.04	3,636.29	227.19	3,639.14	1.91	-0.11	-1.91
16,350.00	85.27	358.32	12,421.82	3,725.07	224.89	3,727.88	2.30	-2.26	-0.44
16,440.00	87.85	357.42	12,427.22	3,814.84	221.55	3,817.59	3.04	2.87	-1.00
16,529.00	87.01	357.61	12,431.21	3,903.66	217.69	3,906.35	0.97	-0.94	0.21



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,618.00	87.35	356.27	12,435.59	3,992.43	212.95	3,995.04	1.55	0.38	-1.51
16,708.00	89.53	358.30	12,438.04	4,082.28	208.69	4,084.82	3.31	2.42	2.26
16,797.00	89.53	358.45	12,438.77	4,171.24	206.16	4,173.74	0.17	0.00	0.17
16,887.00	89.46	358.59	12,439.56	4,261.21	203.84	4,263.67	0.17	-0.08	0.16
16,976.00	88.25	357.13	12,441.34	4,350.13	200.51	4,352.53	2.13	-1.36	-1.64
17,066.00	87.48	355.75	12,444.69	4,439.89	194.93	4,442.20	1.75	-0.86	-1.53
17,155.00	88.16	358.08	12,448.08	4,528.69	190.14	4,530.92	2.73	0.76	2.62
17,244.00	88.36	358.69	12,450.78	4,617.61	187.64	4,619.80	0.72	0.22	0.69
17,334.00	87.72	358.66	12,453.86	4,707.53	185.56	4,709.69	0.71	-0.71	-0.03
17,423.00	89.26	359.80	12,456.20	4,796.49	184.36	4,798.62	2.15	1.73	1.28
17,513.00	89.50	1.10	12,457.18	4,886.48	185.07	4,888.61	1.47	0.27	1.44
17,602.00	89.83	1.09	12,457.70	4,975.46	186.77	4,977.61	0.37	0.37	-0.01
17,692.00	89.16	0.62	12,458.49	5,065.45	188.11	5,067.60	0.91	-0.74	-0.52
17,781.00	88.86	0.42	12,460.03	5,154.43	188.92	5,156.59	0.41	-0.34	-0.22
17,870.00	89.53	0.26	12,461.28	5,243.42	189.45	5,245.57	0.77	0.75	-0.18
17,959.00	88.66	0.50	12,462.69	5,332.41	190.04	5,334.56	1.01	-0.98	0.27
18,049.00	86.84	359.74	12,466.22	5,422.33	190.23	5,424.48	2.19	-2.02	-0.84
18,138.00	88.83	0.71	12,469.58	5,511.26	190.58	5,513.41	2.49	2.24	1.09
18,228.00	90.03	1.08	12,470.48	5,601.24	191.98	5,603.40	1.40	1.33	0.41
18,318.00	90.84	1.31	12,469.79	5,691.22	193.86	5,693.39	0.94	0.90	0.26
18,407.00	91.27	2.23	12,468.15	5,780.16	196.61	5,782.37	1.14	0.48	1.03
18,497.00	89.23	1.52	12,467.76	5,870.11	199.55	5,872.34	2.40	-2.27	-0.79
18,586.00	88.22	1.56	12,469.74	5,959.05	201.94	5,961.31	1.14	-1.13	0.04
18,676.00	87.28	2.16	12,473.28	6,048.94	204.86	6,051.23	1.24	-1.04	0.67
18,765.00	87.75	0.99	12,477.13	6,137.82	207.31	6,140.13	1.42	0.53	-1.31
18,855.00	87.58	359.89	12,480.80	6,227.74	208.00	6,230.06	1.24	-0.19	-1.22
18,945.00	87.55	359.74	12,484.63	6,317.66	207.71	6,319.96	0.17	-0.03	-0.17
19,035.00	88.39	0.31	12,487.81	6,407.60	207.75	6,409.89	1.13	0.93	0.63
19,124.00	90.77	358.16	12,488.47	6,496.58	206.56	6,498.85	3.60	2.67	-2.42
19,213.00	91.34	357.90	12,486.83	6,585.51	203.50	6,587.73	0.70	0.64	-0.29
19,303.00	91.07	358.21	12,484.93	6,675.44	200.45	6,677.60	0.46	-0.30	0.34
19,392.00	91.54	358.81	12,482.91	6,764.38	198.13	6,766.51	0.86	0.53	0.67
19,482.00	90.50	358.38	12,481.31	6,854.34	195.93	6,856.42	1.25	-1.16	-0.48
19,661.00	92.11	359.78	12,477.23	7,033.26	193.05	7,035.29	1.19	0.90	0.78
19,751.00	91.11	359.76	12,474.70	7,123.22	192.69	7,125.23	1.11	-1.11	-0.02
19,841.00	92.11	359.95	12,472.17	7,213.19	192.46	7,215.19	1.13	1.11	0.21
19,930.00	92.79	0.06	12,468.37	7,302.10	192.47	7,304.09	0.77	0.76	0.12
20,020.00	93.66	359.37	12,463.30	7,391.96	192.02	7,393.93	1.23	0.97	-0.77
20,110.00	91.31	359.10	12,459.40	7,481.86	190.82	7,483.81	2.63	-2.61	-0.30
20,199.00	91.21	359.45	12,457.44	7,570.83	189.70	7,572.76	0.41	-0.11	0.39
20,289.00	90.34	358.16	12,456.23	7,660.80	187.82	7,662.69	1.73	-0.97	-1.43
20,379.00	91.64	357.72	12,454.67	7,750.73	184.59	7,752.56	1.52	1.44	-0.49
20,468.00	91.98	357.27	12,451.86	7,839.60	180.70	7,841.37	0.63	0.38	-0.51



Stryker Directional Survey Report



Company:	Devon	Local Co-ordinate Reference:	Well Parseltongue 15-10 State Com 31H
Project:	Lea County, NM (NAD83)	TVD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Site:	Sec 15-T23S-R33E	MD Reference:	GL:3719.+25ft @ 3743.99usft (Precision 561)
Well:	Parseltongue 15-10 State Com 31H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,558.00	91.88	359.50	12,448.83	7,929.50	178.16	7,931.23	2.48	-0.11	2.48	
20,648.00	91.17	359.97	12,446.43	8,019.47	177.75	8,021.18	0.95	-0.79	0.52	
20,737.00	91.04	359.71	12,444.72	8,108.45	177.50	8,110.15	0.33	-0.15	-0.29	
20,827.00	90.23	0.27	12,443.72	8,198.45	177.48	8,200.14	1.09	-0.90	0.62	
20,916.00	89.13	0.67	12,444.22	8,287.44	178.21	8,289.13	1.32	-1.24	0.45	
21,006.00	90.60	0.86	12,444.43	8,377.43	179.41	8,379.13	1.65	1.63	0.21	
21,095.00	92.75	1.28	12,441.83	8,466.37	181.08	8,468.08	2.46	2.42	0.47	
21,184.00	91.78	0.92	12,438.31	8,555.28	182.78	8,557.01	1.16	-1.09	-0.40	
21,274.00	92.18	1.02	12,435.20	8,645.22	184.30	8,646.96	0.46	0.44	0.11	
21,363.00	91.61	0.63	12,432.26	8,734.16	185.59	8,735.91	0.78	-0.64	-0.44	
21,453.00	91.88	0.33	12,429.52	8,824.11	186.34	8,825.87	0.45	0.30	-0.33	
21,542.00	91.61	0.13	12,426.81	8,913.07	186.70	8,914.82	0.38	-0.30	-0.22	
21,632.00	91.01	359.94	12,424.75	9,003.05	186.75	9,004.79	0.70	-0.67	-0.21	
21,721.00	92.45	359.94	12,422.06	9,092.00	186.66	9,093.73	1.62	1.62	0.00	
21,810.00	92.28	359.56	12,418.39	9,180.93	186.27	9,182.64	0.47	-0.19	-0.43	
21,900.00	91.61	358.82	12,415.34	9,270.87	185.00	9,272.55	1.11	-0.74	-0.82	
21,989.00	91.91	358.54	12,412.60	9,359.80	182.95	9,361.45	0.46	0.34	-0.31	
22,079.00	92.78	358.05	12,408.92	9,449.68	180.27	9,451.29	1.11	0.97	-0.54	
22,168.00	93.19	357.75	12,404.29	9,538.50	177.02	9,540.05	0.57	0.46	-0.34	
22,258.00	93.69	356.96	12,398.89	9,628.24	172.87	9,629.73	1.04	0.56	-0.88	
22,348.00	93.36	356.53	12,393.35	9,717.93	167.77	9,719.33	0.60	-0.37	-0.48	
22,437.00	93.56	356.24	12,387.98	9,806.59	162.17	9,807.90	0.40	0.22	-0.33	
22,527.00	92.21	355.30	12,383.45	9,896.23	155.54	9,897.44	1.83	-1.50	-1.04	
22,568.42	91.93	355.00	12,381.95	9,937.47	152.04	9,938.63	0.98	-0.67	-0.72	
LTP - 22568.42' MD										
22,591.00	91.78	354.84	12,381.22	9,959.95	150.04	9,961.08	0.98	-0.67	-0.72	
22,647.00	91.78	354.84	12,379.48	10,015.70	145.01	10,016.75	0.00	0.00	0.00	
Projection to TD - 22647.00' MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
22,568.42	12,381.95	9,937.47	152.04	LTP - 22568.42' MD	
22,647.00	12,379.48	10,015.70	145.01	Projection to TD - 22647.00' MD	

Checked By: _____ Approved By: _____ Date: _____

Devon

Stryker Directional

Lea County, NM (NAD83)

Site: Sec 15-T23S-R33E

Well: Parseltongue 15-10 State Com 31H

Wellbore #1 - Surveys

GLE: 3718.99

RKB: 3743.99

Measured Depth (ft)	Incl. °	Azim. °	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Map North (ft)	Map East (ft)	Latitude	Longitude	Vertical Section (ft)	Dogleg Rate (dega/100ft)	Comments
0	0	0	0	0	0	473337.2	780380.5	32.299	-103.56	0	0	
174	0.2	125.88	174	-0.18	0.25	473337	780380.7	32.299	-103.56	-0.17	0.11	
269	0.27	97.74	269	-0.31	0.6	473336.9	780381.1	32.299	-103.56	-0.3	0.14	
362	0.2	95.26	362	-0.35	0.98	473336.9	780381.4	32.299	-103.56	-0.34	0.08	
456	0.29	102.8	456	-0.42	1.38	473336.8	780381.8	32.299	-103.56	-0.4	0.1	
550	0.17	114.43	550	-0.53	1.74	473336.7	780382.2	32.299	-103.56	-0.5	0.14	
645	0.3	101.26	645	-0.63	2.11	473336.6	780382.6	32.299	-103.56	-0.6	0.15	
738	0.3	94.49	737.99	-0.7	2.59	473336.5	780383.1	32.299	-103.56	-0.66	0.04	
832	0.36	102	831.99	-0.78	3.12	473336.4	780383.6	32.299	-103.56	-0.74	0.08	
925	0.42	94.79	924.99	-0.87	3.75	473336.4	780384.2	32.299	-103.56	-0.82	0.08	
1014	0.47	84.98	1013.99	-0.87	4.44	473336.4	780384.9	32.299	-103.56	-0.8	0.1	
1104	0.5	88.82	1103.98	-0.83	5.2	473336.4	780385.7	32.299	-103.56	-0.75	0.05	
1194	0.58	89.23	1193.98	-0.81	6.05	473336.4	780386.5	32.299	-103.56	-0.73	0.09	
1283	0.5	90.35	1282.98	-0.81	6.88	473336.4	780387.3	32.299	-103.56	-0.71	0.09	
1357	0.61	87.54	1356.97	-0.79	7.6	473336.4	780388.1	32.299	-103.56	-0.69	0.15	
1509	0.48	91.65	1508.97	-0.78	9.05	473336.4	780389.5	32.299	-103.56	-0.65	0.09	
1598	2.4	140.8	1597.94	-2.23	10.6	473335	780391.1	32.299	-103.56	-2.08	2.38	
1687	4.71	137.85	1686.76	-6.39	14.23	473330.8	780394.7	32.299	-103.56	-6.18	2.6	
1776	6.5	150.01	1775.33	-13.46	19.2	473323.8	780399.7	32.299	-103.56	-13.19	2.4	
1865	6.58	151.77	1863.75	-22.31	24.13	473314.9	780404.6	32.299	-103.56	-21.97	0.24	
1954	6.43	153.8	1952.18	-31.28	28.74	473305.9	780409.2	32.299	-103.56	-30.87	0.31	
2043	6.64	152.93	2040.6	-40.33	33.28	473296.9	780413.7	32.299	-103.56	-39.86	0.26	
2132	5.98	156.23	2129.06	-49.16	37.49	473288.1	780418	32.299	-103.56	-48.62	0.85	
2221	6.13	157.21	2217.57	-57.78	41.2	473279.4	780421.7	32.299	-103.56	-57.19	0.2	
2311	6.15	156.85	2307.05	-66.64	44.96	473270.6	780425.4	32.299	-103.56	-66	0.05	
2400	5.04	144.91	2395.63	-74.23	49.08	473263	780429.5	32.299	-103.56	-73.52	1.8	
2489	5.09	139.86	2484.28	-80.44	53.87	473256.8	780434.3	32.299	-103.56	-79.67	0.5	
2579	5.27	137.62	2573.91	-86.55	59.23	473250.7	780439.7	32.299	-103.559	-85.7	0.3	
2668	5.42	138.41	2662.53	-92.71	64.78	473244.5	780445.2	32.299	-103.559	-91.79	0.19	
2757	5.43	135.69	2751.13	-98.87	70.51	473238.4	780451	32.299	-103.559	-97.86	0.29	
2846	5.54	132.39	2839.72	-104.78	76.62	473232.4	780457.1	32.299	-103.559	-103.68	0.38	
2936	5.45	129.51	2929.31	-110.43	83.13	473226.8	780463.6	32.299	-103.559	-109.24	0.32	
3025	5.74	127.96	3017.88	-115.85	89.9	473221.4	780470.4	32.299	-103.559	-114.57	0.37	
3114	5.78	125.34	3106.43	-121.18	97.06	473216	780477.5	32.299	-103.559	-119.8	0.3	
3204	6.1	129.62	3195.95	-126.85	104.44	473210.4	780484.9	32.299	-103.559	-125.36	0.61	
3293	7.46	134.86	3284.33	-133.94	112.18	473203.3	780492.6	32.299	-103.559	-132.35	1.68	
3382	7.24	140.85	3372.6	-142.37	119.82	473194.9	780500.3	32.299	-103.559	-140.66	0.9	
3472	7.36	149.26	3461.87	-151.72	126.35	473185.5	780506.8	32.298	-103.559	-149.92	1.19	
3561	7.08	148.09	3550.16	-161.28	132.16	473175.9	780512.6	32.298	-103.559	-159.39	0.36	
3651	7.02	144.9	3639.48	-170.49	138.25	473166.7	780518.7	32.298	-103.559	-168.51	0.44	
3741	6.98	141.19	3728.81	-179.25	144.84	473158	780525.3	32.298	-103.559	-177.18	0.5	
3830	6.93	137.39	3817.16	-187.41	151.87	473149.8	780532.3	32.298	-103.559	-185.25	0.52	
3920	6.74	152.67	3906.53	-196.1	157.97	473141.1	780538.4	32.298	-103.559	-193.85	2.03	
4009	6.82	151.47	3994.91	-205.38	162.89	473131.8	780543.4	32.298	-103.559	-203.06	0.18	
4099	6.56	152.88	4084.29	-214.65	167.79	473122.6	780548.3	32.298	-103.559	-212.26	0.34	
4189	6.48	149.43	4173.71	-223.6	172.71	473113.6	780553.2	32.298	-103.559	-221.14	0.44	

4278	6.25	146.76	4262.16	-231.98	177.92	473105.2	780558.4	32.298	-103.559	-229.44	0.42
4368	6.29	142.18	4351.62	-239.97	183.63	473097.3	780564.1	32.298	-103.559	-237.35	0.56
4458	7.26	140.27	4440.99	-248.24	190.29	473089	780570.8	32.298	-103.559	-245.52	1.11
4547	8.82	144.57	4529.12	-258.12	197.84	473079.1	780578.3	32.298	-103.559	-255.3	1.88
4637	8.86	153.76	4618.05	-269.96	204.9	473067.3	780585.4	32.298	-103.559	-267.04	1.57
4726	9.04	158.41	4705.97	-282.61	210.51	473054.6	780591	32.298	-103.559	-279.61	0.84
4816	9.94	154.98	4794.74	-296.23	216.39	473041	780596.9	32.298	-103.559	-293.14	1.18
4906	9.22	163.32	4883.49	-310.17	221.75	473027.1	780602.2	32.298	-103.559	-307.01	1.74
4996	8.02	163.54	4972.47	-323.1	225.6	473014.1	780606.1	32.298	-103.559	-319.88	1.33
5085	5.98	163.15	5060.8	-333.49	228.7	473003.7	780609.2	32.298	-103.559	-330.23	2.29
5174	5.49	164.41	5149.36	-342.03	231.19	472995.2	780611.7	32.298	-103.559	-338.73	0.57
5264	5.09	162.77	5238.97	-349.99	233.53	472987.2	780614	32.298	-103.559	-346.66	0.48
5353	4.75	162.77	5327.64	-357.28	235.79	472979.9	780616.3	32.298	-103.559	-353.91	0.38
5443	4.92	162.86	5417.32	-364.53	238.03	472972.7	780618.5	32.298	-103.559	-361.13	0.19
5533	4.84	161.57	5507	-371.82	240.37	472965.4	780620.8	32.298	-103.559	-368.38	0.15
5622	4.85	162.99	5595.68	-378.98	242.66	472958.2	780623.1	32.298	-103.559	-375.51	0.14
5711	4.97	160.79	5684.35	-386.22	245.03	472951	780625.5	32.298	-103.559	-382.71	0.25
5801	4.45	162.86	5774.05	-393.24	247.34	472944	780627.8	32.298	-103.559	-389.7	0.61
5890	3.48	176.75	5862.84	-399.23	248.51	472938	780629	32.298	-103.559	-395.68	1.53
5980	2.73	186.6	5952.7	-404.09	248.42	472933.1	780628.9	32.298	-103.559	-400.54	1.02
6069	2.12	199.83	6041.63	-407.74	247.61	472929.5	780628.1	32.298	-103.559	-404.2	0.93
6159	1.83	242.59	6131.58	-409.97	245.77	472927.3	780626.2	32.298	-103.559	-406.45	1.63
6249	1.64	237.63	6221.54	-411.32	243.41	472925.9	780623.9	32.298	-103.559	-407.84	0.27
6338	0.88	304.9	6310.52	-411.61	241.77	472925.6	780622.2	32.298	-103.559	-408.15	1.72
6428	1.04	310.67	6400.5	-410.68	240.59	472926.5	780621.1	32.298	-103.559	-407.24	0.21
6518	2.45	333.6	6490.46	-408.43	239.11	472928.8	780619.6	32.298	-103.559	-405.01	1.72
6607	2.46	332.01	6579.38	-405.04	237.37	472932.2	780617.8	32.298	-103.559	-401.64	0.08
6697	3.1	342.69	6669.27	-401.01	235.74	472936.2	780616.2	32.298	-103.559	-397.64	0.91
6786	3.51	343.3	6758.13	-396.1	234.24	472941.1	780614.7	32.298	-103.559	-392.75	0.46
6876	3.2	346.54	6847.97	-391.02	232.87	472946.2	780613.3	32.298	-103.559	-387.69	0.4
6966	3.21	24.74	6937.84	-386.29	233.34	472950.9	780613.8	32.298	-103.559	-382.95	2.33
7055	3.08	24.81	7026.71	-381.85	235.38	472955.4	780615.8	32.298	-103.559	-378.49	0.15
7145	2.3	83.25	7116.62	-379.45	238.19	472957.8	780618.7	32.298	-103.559	-376.04	3.01
7234	2.42	95.51	7205.55	-379.42	241.83	472957.8	780622.3	32.298	-103.559	-375.96	0.58
7323	2.35	93.95	7294.47	-379.72	245.52	472957.5	780626	32.298	-103.559	-376.22	0.11
7413	2.19	97.45	7384.4	-380.07	249.07	472957.2	780629.5	32.298	-103.559	-376.52	0.24
7502	2.32	95.83	7473.33	-380.48	252.55	472956.7	780633	32.298	-103.559	-376.87	0.16
7592	2.04	98.87	7563.27	-380.91	255.94	472956.3	780636.4	32.298	-103.559	-377.25	0.34
7681	1.98	98.83	7652.21	-381.39	259.03	472955.8	780639.5	32.298	-103.559	-377.69	0.07
7771	1.88	105.57	7742.16	-382.02	261.99	472955.2	780642.5	32.298	-103.559	-378.28	0.28
7860	1.67	105.95	7831.12	-382.77	264.64	472954.5	780645.1	32.298	-103.559	-378.99	0.24
7950	1.56	108.79	7921.08	-383.53	267.06	472953.7	780647.5	32.298	-103.559	-379.71	0.15
8040	1.62	109.78	8011.05	-384.35	269.42	472952.9	780649.9	32.298	-103.559	-380.51	0.07
8130	1.46	115.21	8101.01	-385.27	271.65	472952	780652.1	32.298	-103.559	-381.39	0.24
8219	1.39	118.46	8189.99	-386.27	273.63	472951	780654.1	32.298	-103.559	-382.36	0.12
8309	1.16	116.37	8279.96	-387.19	275.4	472950	780655.9	32.298	-103.559	-383.26	0.26
8399	1.12	131.97	8369.95	-388.19	276.87	472949	780657.3	32.298	-103.559	-384.23	0.35
8488	0.93	129.19	8458.93	-389.23	278.08	472948	780658.5	32.298	-103.559	-385.26	0.22
8578	0.99	126.76	8548.92	-390.15	279.27	472947.1	780659.7	32.298	-103.559	-386.17	0.08
8668	1.04	140.83	8638.91	-391.25	280.41	472946	780660.9	32.298	-103.559	-387.25	0.28
8757	1.15	151.19	8727.89	-392.66	281.35	472944.6	780661.8	32.298	-103.559	-388.64	0.25
8847	0.85	169.17	8817.88	-394.11	281.91	472943.1	780662.4	32.298	-103.559	-390.08	0.48
8937	0.99	165.59	8907.86	-395.52	282.23	472941.7	780662.7	32.298	-103.559	-391.49	0.17
9026	0.77	171.25	8996.85	-396.85	282.51	472940.4	780663	32.298	-103.559	-392.82	0.27
9116	0.78	172.57	9086.85	-398.06	282.68	472939.2	780663.1	32.298	-103.559	-394.02	0.02
9205	0.72	191.13	9175.84	-399.21	282.65	472938	780663.1	32.298	-103.559	-395.17	0.28
9295	0.6	217.76	9265.83	-400.13	282.25	472937.1	780662.7	32.298	-103.559	-396.1	0.36
9384	0.83	209.82	9354.83	-401.06	281.65	472936.2	780662.1	32.298	-103.559	-397.04	0.28
9474	1.14	222.38	9444.81	-402.29	280.72	472934.9	780661.2	32.298	-103.559	-398.28	0.42

9564	1.32	234.48	9534.79	-403.55	279.27	472933.7	780659.7	32.298	-103.559	-399.56	0.35
9653	1.63	249.93	9623.76	-404.58	277.25	472932.6	780657.7	32.298	-103.559	-400.62	0.56
9743	2.19	258.38	9713.71	-405.37	274.36	472931.9	780654.8	32.298	-103.559	-401.45	0.69
9832	2.68	261.73	9802.63	-406.01	270.64	472931.2	780651.1	32.298	-103.559	-402.14	0.57
9922	2.98	264.98	9892.52	-406.52	266.22	472930.7	780646.7	32.298	-103.559	-402.71	0.38
10011	3.13	268.73	9981.4	-406.77	261.49	472930.5	780642	32.298	-103.559	-403.03	0.28
10101	3.43	268.29	10071.25	-406.91	256.34	472930.3	780636.8	32.298	-103.559	-403.24	0.33
10191	3.7	263.09	10161.07	-407.34	250.77	472929.9	780631.2	32.298	-103.559	-403.75	0.47
10280	3.21	260.33	10249.91	-408.1	245.46	472929.1	780625.9	32.298	-103.559	-404.59	0.58
10370	1.78	310.59	10339.83	-407.61	241.92	472929.6	780622.4	32.298	-103.559	-404.15	2.76
10460	2.15	7.14	10429.79	-405.03	241.06	472932.2	780621.5	32.298	-103.559	-401.58	2.1
10549	1.68	347.05	10518.74	-402.1	240.98	472935.1	780621.4	32.298	-103.559	-398.65	0.91
10639	1.18	310.77	10608.71	-400.21	239.98	472937	780620.4	32.298	-103.559	-396.78	1.12
10729	0.32	20	10698.71	-399.37	239.37	472937.9	780619.8	32.298	-103.559	-395.95	1.23
10818	0.27	90.63	10787.7	-399.14	239.66	472938.1	780620.1	32.298	-103.559	-395.71	0.39
10908	0.77	179.88	10877.7	-399.74	239.87	472937.5	780620.3	32.298	-103.559	-396.31	0.9
10998	1	173.76	10967.69	-401.13	239.96	472936.1	780620.4	32.298	-103.559	-397.7	0.28
11088	0.95	199.66	11057.68	-402.61	239.8	472934.6	780620.3	32.298	-103.559	-399.18	0.49
11177	1.32	194.12	11146.66	-404.3	239.3	472932.9	780619.8	32.298	-103.559	-400.88	0.43
11267	1.98	183.74	11236.62	-406.86	238.94	472930.4	780619.4	32.298	-103.559	-403.44	0.8
11357	2.58	177.36	11326.55	-410.43	238.93	472926.8	780619.4	32.298	-103.559	-407.02	0.72
11446	2.51	169.63	11415.46	-414.35	239.38	472922.9	780619.8	32.298	-103.559	-410.93	0.39
11536	1.94	156.3	11505.4	-417.69	240.34	472919.5	780620.8	32.298	-103.559	-414.25	0.85
11626	1.08	149.03	11595.36	-419.81	241.39	472917.4	780621.9	32.298	-103.559	-416.35	0.98
11716	0.67	142.9	11685.35	-420.96	242.15	472916.3	780622.6	32.298	-103.559	-417.49	0.47
11805	0.61	159.03	11774.35	-421.81	242.63	472915.4	780623.1	32.298	-103.559	-418.34	0.21
11971	6.55	5.73	11940.01	-413.21	243.89	472924	780624.4	32.298	-103.559	-409.72	4.28
12061	17.42	4.97	12027.92	-394.62	245.58	472942.6	780626	32.298	-103.559	-391.11	12.08
12150	30.2	355.46	12109.2	-358.87	244.96	472978.4	780625.4	32.298	-103.559	-355.38	14.95
12238	40.02	357.77	12181.11	-308.41	242.1	473028.8	780622.6	32.298	-103.559	-304.96	11.26
12329	44.61	354.68	12248.39	-247.32	237.99	473089.9	780618.5	32.298	-103.559	-243.93	5.54
12347	48.11	354.21	12260.81	-234.36	236.73	473102.9	780617.2	32.298	-103.559	-230.99	19.54
12417	55.47	356.29	12304.08	-179.58	232.23	473157.6	780612.7	32.298	-103.559	-176.28	10.77
12506	61.1	355.67	12350.85	-104.09	226.91	473233.1	780607.4	32.299	-103.559	-100.87	6.35
12595	70.6	358.5	12387.22	-23.09	222.86	473314.1	780603.3	32.299	-103.559	-19.93	11.06
12685	78.91	3.62	12410.88	63.62	224.54	473400.8	780605	32.299	-103.559	66.79	10.74
12774	82.63	358.13	12425.17	151.41	225.86	473488.6	780606.3	32.299	-103.559	154.59	7.38
12863	89.26	359.35	12431.46	240.11	223.92	473577.3	780604.4	32.3	-103.559	243.26	7.57
12953	88.82	359.48	12432.97	330.1	223	473667.3	780603.5	32.3	-103.559	333.22	0.51
13042	88.83	359.06	12434.79	419.07	221.86	473756.3	780602.3	32.3	-103.559	422.16	0.47
13131	88.49	358.84	12436.87	508.03	220.23	473845.3	780600.7	32.3	-103.559	511.09	0.45
13221	87.72	359.28	12439.85	597.97	218.76	473935.2	780599.2	32.301	-103.559	601	0.99
13310	89.6	359.56	12441.93	686.94	217.86	474024.2	780598.3	32.301	-103.559	689.95	2.14
13399	89.46	359.37	12442.66	775.93	217.03	474113.2	780597.5	32.301	-103.559	778.92	0.27
13489	89.13	358.69	12443.77	865.91	215.5	474203.1	780596	32.301	-103.559	868.87	0.84
13579	89.87	358.66	12444.55	955.88	213.42	474293.1	780593.9	32.302	-103.559	958.8	0.82
13668	89.36	357.8	12445.15	1044.83	210.67	474382.1	780591.1	32.302	-103.559	1047.71	1.12
13758	90.97	358.23	12444.89	1134.78	207.55	474472	780588	32.302	-103.559	1137.6	1.85
13847	90.81	358.15	12443.51	1223.72	204.74	474560.9	780585.2	32.302	-103.559	1226.49	0.2
13936	91.34	359.14	12441.84	1312.68	202.64	474649.9	780583.1	32.303	-103.559	1315.41	1.26
14026	91.78	359.88	12439.39	1402.64	201.87	474739.9	780582.3	32.303	-103.559	1405.36	0.96
14115	90.6	359.29	12437.54	1491.62	201.23	474828.8	780581.7	32.303	-103.559	1494.31	1.48
14205	90.64	358.75	12436.57	1581.6	199.69	474918.8	780580.2	32.303	-103.559	1584.27	0.6
14294	91.64	0.67	12434.8	1670.58	199.24	475007.8	780579.7	32.303	-103.559	1673.23	2.43
14384	93.93	2.04	12430.42	1760.44	201.36	475097.7	780581.8	32.304	-103.559	1763.11	2.96
14473	94.5	2.95	12423.88	1849.11	205.22	475186.3	780585.7	32.304	-103.559	1851.83	1.2
14562	91.51	1.75	12419.22	1937.9	208.87	475275.1	780589.3	32.304	-103.559	1940.66	3.62
14652	91.71	1.25	12416.69	2027.83	211.22	475365.1	780591.7	32.304	-103.559	2030.62	0.6
14741	90.97	1.71	12414.61	2116.78	213.52	475454	780594	32.305	-103.559	2119.59	0.98

14830	91.21	1.9	12412.91	2205.72	216.32	475542.9	780596.8	32.305	-103.559	2208.56	0.34
14920	89.8	0.69	12412.12	2295.69	218.36	475632.9	780598.8	32.305	-103.559	2298.55	2.06
15009	88.49	0.36	12413.45	2384.67	219.17	475721.9	780599.6	32.305	-103.559	2387.53	1.52
15099	90.27	359.93	12414.42	2474.66	219.4	475811.9	780599.9	32.306	-103.559	2477.52	2.03
15188	91.07	359.81	12413.38	2563.66	219.2	475900.9	780599.7	32.306	-103.559	2566.5	0.91
15278	91.48	359.36	12411.38	2653.63	218.55	475990.9	780599	32.306	-103.559	2656.46	0.68
15367	91.58	359.91	12409	2742.6	217.98	476079.8	780598.4	32.306	-103.559	2745.41	0.63
15457	90.84	0.14	12407.1	2832.58	218.02	476169.8	780598.5	32.307	-103.559	2835.38	0.86
15546	90.5	0.61	12406.06	2921.57	218.6	476258.8	780599.1	32.307	-103.559	2924.37	0.65
15635	89.8	0.54	12405.83	3010.56	219.49	476347.8	780600	32.307	-103.559	3013.37	0.79
15725	90	0.7	12405.98	3100.56	220.47	476437.8	780600.9	32.307	-103.559	3103.37	0.28
15814	89.9	1.22	12406.06	3189.55	221.96	476526.8	780602.4	32.308	-103.559	3192.36	0.59
15903	89.56	1.06	12406.48	3278.53	223.73	476615.8	780604.2	32.308	-103.559	3281.36	0.42
15993	90.03	1.64	12406.8	3368.5	225.85	476705.7	780606.3	32.308	-103.559	3371.36	0.83
16082	88.05	0.26	12408.29	3457.47	227.33	476794.7	780607.8	32.308	-103.559	3460.34	2.71
16171	87.38	0.43	12411.84	3546.4	227.86	476883.6	780608.3	32.309	-103.559	3549.26	0.78
16261	87.28	358.71	12416.04	3636.29	227.19	476973.5	780607.7	32.309	-103.559	3639.14	1.91
16350	85.27	358.32	12421.82	3725.07	224.89	477062.3	780605.4	32.309	-103.559	3727.88	2.3
16440	87.85	357.42	12427.22	3814.84	221.55	477152.1	780602	32.309	-103.559	3817.59	3.04
16529	87.01	357.61	12431.21	3903.66	217.69	477240.9	780598.2	32.31	-103.559	3906.35	0.97
16618	87.35	356.27	12435.59	3992.43	212.95	477329.7	780593.4	32.31	-103.559	3995.04	1.55
16708	89.53	358.3	12438.04	4082.28	208.69	477419.5	780589.2	32.31	-103.559	4084.82	3.31
16797	89.53	358.45	12438.77	4171.24	206.16	477508.5	780586.6	32.31	-103.559	4173.74	0.17
16887	89.46	358.59	12439.56	4261.21	203.84	477598.4	780584.3	32.311	-103.559	4263.67	0.17
16976	88.25	357.13	12441.34	4350.13	200.51	477687.4	780581	32.311	-103.559	4352.53	2.13
17066	87.48	355.75	12444.69	4439.89	194.93	477777.1	780575.4	32.311	-103.559	4442.2	1.75
17155	88.16	358.08	12448.08	4528.69	190.14	477865.9	780570.6	32.311	-103.559	4530.92	2.73
17244	88.36	358.69	12450.78	4617.61	187.64	477954.8	780568.1	32.312	-103.559	4619.8	0.72
17334	87.72	358.66	12453.86	4707.53	185.56	478044.8	780566	32.312	-103.559	4709.69	0.71
17423	89.26	359.8	12456.2	4796.49	184.36	478133.7	780564.8	32.312	-103.559	4798.62	2.15
17513	89.5	1.1	12457.18	4886.48	185.07	478223.7	780565.5	32.312	-103.559	4888.61	1.47
17602	89.83	1.09	12457.7	4975.46	186.77	478312.7	780567.2	32.313	-103.559	4977.61	0.37
17692	89.16	0.62	12458.49	5065.45	188.11	478402.7	780568.6	32.313	-103.559	5067.6	0.91
17781	88.86	0.42	12460.03	5154.43	188.92	478491.7	780569.4	32.313	-103.559	5156.59	0.41
17870	89.53	0.26	12461.28	5243.42	189.45	478580.6	780569.9	32.313	-103.559	5245.57	0.77
17959	88.66	0.5	12462.69	5332.41	190.04	478669.6	780570.5	32.314	-103.559	5334.56	1.01
18049	86.84	359.74	12466.22	5422.33	190.23	478759.6	780570.7	32.314	-103.559	5424.48	2.19
18138	88.83	0.71	12469.58	5511.26	190.58	478848.5	780571	32.314	-103.559	5513.41	2.49
18228	90.03	1.08	12470.48	5601.24	191.98	478938.5	780572.4	32.314	-103.559	5603.4	1.4
18318	90.84	1.31	12469.79	5691.22	193.86	479028.4	780574.3	32.315	-103.559	5693.39	0.94
18407	91.27	2.23	12468.15	5780.16	196.61	479117.4	780577.1	32.315	-103.559	5782.36	1.14
18497	89.23	1.52	12467.76	5870.11	199.55	479207.3	780580	32.315	-103.559	5872.34	2.4
18586	88.22	1.56	12469.74	5959.05	201.94	479296.3	780582.4	32.315	-103.559	5961.31	1.14
18676	87.28	2.16	12473.28	6048.94	204.86	479386.2	780585.3	32.316	-103.559	6051.23	1.24
18765	87.75	0.99	12477.13	6137.82	207.31	479475	780587.8	32.316	-103.559	6140.13	1.42
18855	87.58	359.89	12480.8	6227.74	208	479565	780588.5	32.316	-103.559	6230.06	1.24
18945	87.55	359.74	12484.62	6317.66	207.71	479654.9	780588.2	32.316	-103.559	6319.96	0.17
19035	88.39	0.31	12487.81	6407.6	207.75	479744.8	780588.2	32.317	-103.559	6409.89	1.13
19124	90.77	358.16	12488.47	6496.58	206.56	479833.8	780587	32.317	-103.559	6498.85	3.6
19213	91.34	357.9	12486.83	6585.51	203.5	479922.7	780584	32.317	-103.559	6587.73	0.7
19303	91.07	358.21	12484.93	6675.44	200.45	480012.7	780580.9	32.317	-103.559	6677.6	0.46
19392	91.54	358.81	12482.91	6764.38	198.13	480101.6	780578.6	32.317	-103.559	6766.51	0.86
19482	90.5	358.38	12481.3	6854.34	195.93	480191.6	780576.4	32.318	-103.559	6856.42	1.25
19661	92.11	359.78	12477.23	7033.26	193.05	480370.5	780573.5	32.318	-103.559	7035.29	1.19
19751	91.11	359.76	12474.7	7123.22	192.69	480460.4	780573.2	32.318	-103.559	7125.23	1.11
19841	92.11	359.95	12472.17	7213.19	192.46	480550.4	780572.9	32.319	-103.559	7215.19	1.13
19930	92.79	0.06	12468.37	7302.1	192.47	480639.3	780572.9	32.319	-103.559	7304.09	0.77
20020	93.66	359.37	12463.3	7391.96	192.02	480729.2	780572.5	32.319	-103.559	7393.93	1.23
20110	91.31	359.1	12459.4	7481.86	190.82	480819.1	780571.3	32.319	-103.559	7483.81	2.63

20199	91.21	359.45	12457.44	7570.83	189.7	480908.1	780570.2	32.32	-103.559	7572.76	0.41
20289	90.34	358.16	12456.23	7660.8	187.82	480998	780568.3	32.32	-103.559	7662.69	1.73
20379	91.64	357.72	12454.67	7750.73	184.59	481088	780565.1	32.32	-103.559	7752.56	1.52
20468	91.98	357.27	12451.86	7839.6	180.7	481176.8	780561.2	32.32	-103.559	7841.37	0.63
20558	91.88	359.5	12448.83	7929.5	178.16	481266.7	780558.6	32.321	-103.559	7931.23	2.48
20648	91.17	359.97	12446.43	8019.47	177.75	481356.7	780558.2	32.321	-103.559	8021.18	0.95
20737	91.04	359.71	12444.72	8108.45	177.5	481445.7	780558	32.321	-103.559	8110.15	0.33
20827	90.23	0.27	12443.72	8198.45	177.48	481535.7	780557.9	32.321	-103.559	8200.14	1.09
20916	89.13	0.67	12444.22	8287.44	178.21	481624.7	780558.7	32.322	-103.559	8289.13	1.32
21006	90.6	0.86	12444.43	8377.43	179.41	481714.7	780559.9	32.322	-103.559	8379.13	1.65
21095	92.75	1.28	12441.83	8466.37	181.08	481803.6	780561.5	32.322	-103.559	8468.08	2.46
21184	91.78	0.92	12438.31	8555.28	182.78	481892.5	780563.2	32.322	-103.559	8557.01	1.16
21274	92.18	1.02	12435.2	8645.22	184.3	481982.4	780564.8	32.323	-103.559	8646.96	0.46
21363	91.61	0.63	12432.26	8734.16	185.59	482071.4	780566.1	32.323	-103.559	8735.91	0.78
21453	91.88	0.33	12429.52	8824.11	186.34	482161.3	780566.8	32.323	-103.559	8825.87	0.45
21542	91.61	0.13	12426.81	8913.07	186.7	482250.3	780567.2	32.323	-103.559	8914.82	0.38
21632	91.01	359.94	12424.75	9003.05	186.75	482340.3	780567.2	32.324	-103.559	9004.79	0.7
21721	92.45	359.94	12422.06	9092	186.66	482429.2	780567.1	32.324	-103.559	9093.73	1.62
21810	92.28	359.56	12418.39	9180.93	186.27	482518.2	780566.7	32.324	-103.559	9182.64	0.47
21900	91.61	358.82	12415.34	9270.87	185	482608.1	780565.5	32.324	-103.559	9272.55	1.11
21989	91.91	358.54	12412.6	9359.8	182.95	482697	780563.4	32.325	-103.559	9361.45	0.46
22079	92.78	358.05	12408.92	9449.68	180.27	482786.9	780560.7	32.325	-103.559	9451.29	1.11
22168	93.19	357.75	12404.29	9538.5	177.02	482875.7	780557.5	32.325	-103.559	9540.05	0.57
22258	93.69	356.96	12398.88	9628.24	172.87	482965.5	780553.3	32.325	-103.559	9629.73	1.04
22348	93.36	356.53	12393.35	9717.93	167.77	483055.2	780548.2	32.326	-103.559	9719.33	0.6
22437	93.56	356.24	12387.98	9806.59	162.17	483143.8	780542.6	32.326	-103.559	9807.9	0.4
22527	92.21	355.3	12383.45	9896.23	155.54	483233.5	780536	32.326	-103.559	9897.44	1.83
22591	91.78	354.84	12381.22	9959.95	150.04	483297.2	780530.5	32.326	-103.559	9961.08	0.98
22647	91.78	354.84	12379.48	10015.7	145.01	483352.9	780525.5	32.326	-103.559	10016.75	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to GL:3719.+25ft. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 0.810° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.413°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 22647.00ft.,
the Bottom Hole Displacement is 10016.75ft., in the Direction of 0.810° (Grid).

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-103
 Revised August 1, 2011

WELL API NO.	30-025-50831
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Parseltongue 15-10 State Com	
8. Well Number	31H
9. OGRID Number	6137
10. Pool name or Wildcat Bell Lake; Wolfcamp, North	

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

Devon Energy Production Company, L.P.

3. Address of Operator

333 West Sheridan, Oklahoma City, OK 73102

4. Well Location

Unit Letter O : 525 feet from the South line and 2476 feet from the East line
 Section 15 Township 23E Range 33E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 GL: 3719

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: Completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

3/16/23-4/26/23: MIRU WL & PT csg to 1500psi for 30min, OK. TIH & ran CBL, found TOC @ 5296'. TIH w/pump through frac plug and guns. Perf Bone S Perf Bone Spring, 12,872'-22,556'. Frac totals 47.8 gals acid, 24,488,750# prop. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBD 22,556'. CHC, FWB, ND BOP. Tubing to be run at later date. TOP.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rebecca Deal TITLE Regulatory Analyst DATE 6/6/2023

Type or print name Rebecca Deal E-mail address: Rebecca.Deal@dmn.com PHONE: 405-228-8429
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
 Conditions of Approval (if any): _____

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505				State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised August 1, 2011			
				1. WELL API NO. 30-025-50831							
				2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN							
				3. State Oil & Gas Lease No.							
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name Parseeltongue 15-10 State Com			
								6. Well Number: 31H			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER											
8. Name of Operator Devon Energy Production Company, L.P.								9. OGRID 6137			
10. Address of Operator 333 West Sheridan Avenue, Oklahoma City, OK 73102								11. Pool name or Wildcat Bell Lake; Wolfcamp, North			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	
Surface:	O	15	23E	33E		525	South	2476	East	LEA	
BH:	B	10	23E	33E		22	North	2255	East	LEA	
13. Date Spudded 12/27/22	14. Date T.D. Reached 2/26/23	15. Date Rig Released 3/1/23			16. Date Completed (Ready to Produce) 4/26/23			17. Elevations (DF and RKB, RT, GR, etc.) 3719 GL			
18. Total Measured Depth of Well 22,647' MD, 12,379.53' TVD			19. Plug Back Measured Depth 22,556'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,872'-22,556', Wolfcamp, North											
23. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
10.75		45.5		1418.5'		13.5		940 SX CLC; circ 0		TOC @ 240'	
8.625		32		11858.6'		9.875		710 SX CLC; circ 122 SX			
5.5		20		22631.4'		7.875		1700 SX CLH; circ 0		TOC @ 8167'	
								SURF SQUEEZE-132 SX CLC; circ 54 SX			
24. LINER RECORD											
SIZE	TOP	BOTTOM	SACKS CEMENT		SCREEN						
26. Perforation record (interval, size, and number) 12,872' - 22,556', total 1414 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 12,872'-22,556'					
						AMOUNT AND KIND MATERIAL USED Acidize and frac in 48 stages. See detailed summary attached.					
28. PRODUCTION											
Date First Production 4/26/23		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) Producing				
Date of Test 5/20/23	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2848.77	Gas - MCF 6121.51	Water - Bbl. 5129.61	Gas - Oil Ratio 2.1488				
Flow Tubing Press. psi	Casing Pressure 634.4 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)					
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold								30. Test Witnessed By			
31. List Attachments Directional Survey, Logs											
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.											
33. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude Longitude NAD 1927 1983											
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief											
Signature Rebecca Deal			Printed Name Rebecca Deal		Title Regulatory Analyst		Date 6/6/2023				
E-mail Address Rebecca.Deal@dv.com											

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

No. 1, from..... N/A..... to..... N/A..... No. 3, from..... N/A..... to..... N/A.....
No. 2, from..... N/A..... to..... N/A..... No. 4, from..... N/A..... to..... N/A.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 224379

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 224379
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 224379

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 224379
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/8/2025