

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 / 8/3/22
⁴ API Number 30-025-49662	⁵ Pool Name HARDIN TANK; BONE SPRING	⁶ Pool Code 96661
⁷ Property Code 331539	⁸ Property Name Muskie 23-11 Fed Com	⁹ Well Number 13H

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
F	23	26S	34E		2316	North	1782	West	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
C	11	26S	34E		128	North	2169	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 8/3/22	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

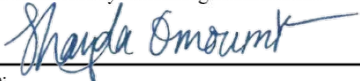
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
020809	Lucid Energy Group 3100 McKinnon St. Ste 800 Dallas, TX 75201	Gas
014035	Marathon P.O. Box 552 Midland, TX 79702	Oil

IV. Well Completion Data

²¹ Spud Date 1/26/22	²² Ready Date 8/3/22	²³ TD 23916	²⁴ PBDT 23,874 MD/10,926 TVD	²⁵ Perforations 11450 - 23860	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	1081	860 sx CLC; Circ 359 sx		
12-1/4"	9-5/8"	5219	940 sx CLC ; Circ 215 sx		
8-1/2"	5-1/2"	23874	2740 sx CLH; Circ 52 sx		
	Tubing: 2-7/8"	10564			

V. Well Test Data

³¹ Date New Oil 8/16/22	³² Gas Delivery Date 8/16/22	³³ Test Date 8/16/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 2991 psi	³⁶ Csg. Pressure 1694 psi
³⁷ Choke Size N/A	³⁸ Oil 185 bbl	³⁹ Water 1114 bbl	⁴⁰ Gas 192 mcf		⁴¹ Test Method flowing
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: Shayda Omoumi			Approved by:		
Title: Regulatory Compliance Professional			Title:		
E-mail Address: shayda.omoumi@dvni.com			Approval Date:		
Date: 8/19/2022		Phone: 405-552-3513			

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 30-025-49662	Pool Code 96661	Pool Name HARDIN TANK;BONE SPRING
Property Code 331539	Property Name MUSKIE 23-11 FED COM	Well Number 13H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3208.7'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	26-S	34-E		2316	NORTH	1782	WEST	LEA

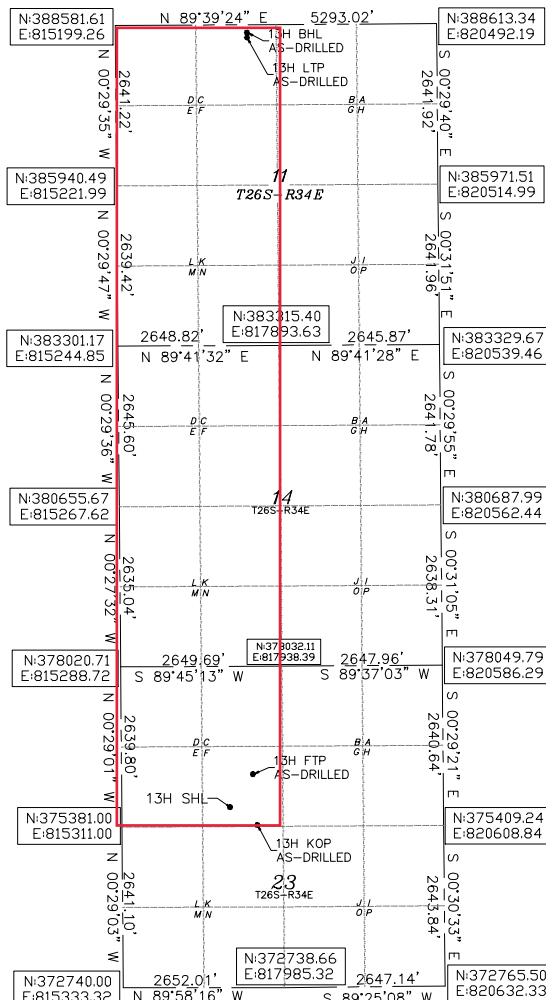
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	26-S	34-E		128	NORTH	2169	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
800			

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

MUSKIE 23-11 FED COM 13H
EL: 3208.7'
LAT:32.029791
LON:103.443502
N:375712.44
E:817090.27
KICK OFF POINT
2612' FNL 2230' FWL SEC. 23
LAT:32.028973
LON:103.442056
N:375418.34
E:817540.96
FIRST TAKE POINT
1775' FNL 2171' FWL SEC. 23
LAT:32.031274
LON:103.442246
N:376254.96
E:817474.99
LAST TAKE POINT
184' FNL 2169' FWL SEC. 11
LAT:32.064687
LON:103.442261
N:388410.44
E:817370.02
BOTTOM OF HOLE
LAT:32.064841
LON:103.442261
N:388466.35
E:817369.72



Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

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.

Shayda Omoumi 7/22/2022
Signature Date

Shayda Omoumi
Printed Name
shayda.omoumi@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.

05/26/2022

Date of Survey

Signature & Seal of Professional Surveyor



07/15/22

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

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Devon Energy

Lea County, NM (NAD83)

Muskie 23-11 Fed Com

Muskie 23-11 Fed Com 13H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

26 May, 2022

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskie 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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		Muskie 23-11 Fed Com			
Site Position:		Northing:	375,712.05 usft	Latitude:	32.0297924
From:	Map	Easting:	817,000.27 usft	Longitude:	-103.4437923
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	Muskie 23-11 Fed Com 13H					
Well Position	+N/-S	0.00 usft	Northing:	375,712.44 usft	Latitude:	32.0297915
	+E/-W	0.00 usft	Easting:	817,090.27 usft	Longitude:	-103.4435019
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,208.70 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	12/23/2021	6.32	59.62	47,396.20000000

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	1.26	

Survey Program	Date	5/26/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.00	23,916.00	Survey #1 (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	375,712.44	817,090.27	32.0297915	-103.4435019
179.00	0.97	257.21	178.99	-0.34	-1.48	375,712.10	817,088.79	32.0297906	-103.4435067
273.00	1.23	256.33	272.97	-0.75	-3.23	375,711.69	817,087.03	32.0297895	-103.4435124
366.00	1.23	254.75	365.95	-1.25	-5.17	375,711.19	817,085.10	32.0297881	-103.4435186
460.00	1.36	254.04	459.93	-1.82	-7.21	375,710.62	817,083.06	32.0297866	-103.4435253
553.00	1.27	256.15	552.90	-2.37	-9.27	375,710.07	817,080.99	32.0297852	-103.4435319
647.00	1.36	262.48	646.88	-2.77	-11.39	375,709.67	817,078.88	32.0297841	-103.4435388
740.00	1.45	262.22	739.85	-3.07	-13.65	375,709.37	817,076.62	32.0297833	-103.4435461
833.00	1.36	263.89	832.82	-3.35	-15.91	375,709.09	817,074.35	32.0297826	-103.4435534
927.00	1.58	260.99	926.79	-3.67	-18.30	375,708.77	817,071.96	32.0297818	-103.4435611
1,015.00	1.41	263.71	1,014.76	-3.98	-20.58	375,708.46	817,069.69	32.0297810	-103.4435684
1,171.00	1.45	256.42	1,170.71	-4.65	-24.40	375,707.79	817,065.86	32.0297792	-103.4435808

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskie 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,265.00	0.53	221.35	1,264.70	-5.26	-25.85	375,707.18	817,064.42	32.0297776	-103.4435855
1,359.00	1.45	115.88	1,358.69	-6.10	-25.07	375,706.34	817,065.20	32.0297753	-103.4435830
1,452.00	1.67	113.51	1,451.65	-7.16	-22.76	375,705.28	817,067.50	32.0297723	-103.4435756
1,548.00	3.03	122.82	1,547.57	-9.09	-19.35	375,703.35	817,070.92	32.0297669	-103.4435646
1,643.00	5.27	118.34	1,642.32	-12.52	-13.40	375,699.92	817,076.87	32.0297573	-103.4435455
1,739.00	7.21	113.77	1,737.74	-17.04	-4.00	375,695.40	817,086.26	32.0297447	-103.4435153
1,834.00	8.40	114.03	1,831.86	-22.27	7.79	375,690.17	817,098.06	32.0297301	-103.4434774
1,930.00	8.84	116.14	1,926.78	-28.38	20.82	375,684.06	817,111.08	32.0297130	-103.4434355
2,025.00	8.84	116.49	2,020.65	-34.85	33.90	375,677.59	817,124.17	32.0296949	-103.4433935
2,121.00	9.67	114.74	2,115.40	-41.51	47.83	375,670.92	817,138.10	32.0296763	-103.4433487
2,216.00	10.20	113.42	2,208.97	-48.20	62.79	375,664.24	817,153.06	32.0296576	-103.4433006
2,311.00	10.33	114.12	2,302.45	-55.02	78.29	375,657.42	817,168.55	32.0296385	-103.4432508
2,407.00	10.46	115.18	2,396.88	-62.24	94.03	375,650.19	817,184.30	32.0296182	-103.4432002
2,502.00	10.86	115.70	2,490.24	-69.80	109.90	375,642.64	817,200.16	32.0295971	-103.4431492
2,597.00	11.30	115.26	2,583.47	-77.65	126.38	375,634.79	817,216.65	32.0295752	-103.4430962
2,692.00	11.47	115.53	2,676.60	-85.69	143.32	375,626.75	817,233.59	32.0295527	-103.4430418
2,788.00	11.65	114.82	2,770.65	-93.87	160.73	375,618.57	817,251.00	32.0295298	-103.4429858
2,883.00	11.65	114.03	2,863.69	-101.81	178.20	375,610.63	817,268.46	32.0295076	-103.4429297
2,978.00	11.82	112.98	2,956.71	-109.51	195.91	375,602.93	817,286.18	32.0294860	-103.4428727
3,074.00	11.82	113.68	3,050.67	-117.30	213.97	375,595.14	817,304.24	32.0294642	-103.4428147
3,169.00	11.74	115.53	3,143.67	-125.37	231.60	375,587.07	817,321.87	32.0294416	-103.4427580
3,265.00	11.30	117.72	3,237.74	-133.95	248.74	375,578.48	817,339.01	32.0294176	-103.4427029
3,360.00	10.99	120.71	3,330.95	-142.91	264.77	375,569.53	817,355.03	32.0293927	-103.4426515
3,456.00	10.64	124.49	3,425.24	-152.60	279.94	375,559.84	817,370.21	32.0293657	-103.4426028
3,551.00	9.76	129.59	3,518.74	-162.70	293.37	375,549.74	817,383.64	32.0293376	-103.4425597
3,646.00	9.76	126.34	3,612.37	-172.60	306.06	375,539.84	817,396.33	32.0293101	-103.4425190
3,742.00	9.41	124.84	3,707.03	-181.91	319.06	375,530.53	817,409.33	32.0292842	-103.4424773
3,837.00	9.05	124.49	3,800.80	-190.58	331.59	375,521.86	817,421.86	32.0292601	-103.4424371
3,932.00	8.92	124.67	3,894.63	-199.00	343.81	375,513.44	817,434.08	32.0292367	-103.4423979
4,028.00	8.35	123.88	3,989.54	-207.12	355.72	375,505.32	817,445.98	32.0292141	-103.4423597
4,123.00	7.47	119.75	4,083.64	-214.02	366.80	375,498.41	817,457.07	32.0291949	-103.4423241
4,218.00	7.52	112.28	4,177.83	-219.45	377.92	375,492.99	817,468.19	32.0291797	-103.4422884
4,313.00	9.36	115.79	4,271.80	-225.16	390.63	375,487.27	817,480.90	32.0291637	-103.4422475
4,409.00	8.53	116.23	4,366.63	-231.71	404.04	375,480.73	817,494.31	32.0291454	-103.4422044
4,504.00	7.74	116.58	4,460.67	-237.68	416.08	375,474.75	817,506.35	32.0291287	-103.4421657
4,600.00	7.08	115.53	4,555.87	-243.13	427.20	375,469.31	817,517.47	32.0291135	-103.4421300
4,695.00	7.34	112.80	4,650.12	-248.00	438.08	375,464.44	817,528.35	32.0290999	-103.4420950
4,790.00	6.20	119.48	4,744.46	-252.88	448.14	375,459.56	817,538.41	32.0290862	-103.4420627
4,886.00	4.48	132.31	4,840.04	-257.95	455.43	375,454.48	817,545.70	32.0290721	-103.4420393
4,981.00	4.26	152.88	4,934.77	-263.59	459.78	375,448.85	817,550.05	32.0290565	-103.4420254
5,077.00	4.26	178.46	5,030.51	-270.33	461.50	375,442.11	817,551.77	32.0290380	-103.4420201
5,173.00	3.34	206.49	5,126.31	-276.40	460.35	375,436.04	817,550.62	32.0290213	-103.4420239
5,268.00	2.11	229.79	5,221.20	-280.00	457.78	375,432.43	817,548.05	32.0290115	-103.4420323
5,363.00	2.15	225.65	5,316.14	-282.38	455.17	375,430.06	817,545.44	32.0290050	-103.4420408
5,459.00	2.02	225.13	5,412.07	-284.83	452.68	375,427.61	817,542.95	32.0289983	-103.4420489
5,554.00	2.29	227.24	5,507.01	-287.30	450.10	375,425.14	817,540.37	32.0289916	-103.4420573
5,649.00	2.42	227.41	5,601.93	-289.95	447.23	375,422.49	817,537.50	32.0289844	-103.4420666
5,745.00	2.68	230.84	5,697.83	-292.74	444.00	375,419.70	817,534.27	32.0289768	-103.4420771
5,841.00	2.68	228.20	5,793.73	-295.65	440.59	375,416.79	817,530.86	32.0289688	-103.4420882
5,936.00	2.77	229.17	5,888.62	-298.63	437.20	375,413.81	817,527.46	32.0289607	-103.4420992
6,032.00	1.93	253.78	5,984.54	-300.60	433.89	375,411.84	817,524.16	32.0289554	-103.4421100
6,127.00	2.37	263.80	6,079.47	-301.26	430.40	375,411.18	817,520.67	32.0289537	-103.4421212
6,223.00	2.51	305.63	6,175.39	-300.25	426.72	375,412.19	817,516.99	32.0289565	-103.4421331
6,318.00	1.98	296.05	6,270.32	-298.32	423.55	375,414.12	817,513.82	32.0289619	-103.4421433
6,413.00	1.58	264.77	6,365.28	-297.71	420.77	375,414.72	817,511.04	32.0289636	-103.4421522

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskies 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskies 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskies 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,509.00	0.26	159.65	6,461.27	-298.04	419.53	375,414.40	817,509.80	32.0289627	-103.4421562
6,604.00	1.36	94.26	6,556.26	-298.32	420.73	375,414.11	817,511.00	32.0289619	-103.4421524
6,700.00	1.36	91.53	6,652.23	-298.44	423.01	375,414.00	817,513.27	32.0289616	-103.4421450
6,795.00	1.49	95.05	6,747.20	-298.58	425.36	375,413.86	817,515.63	32.0289611	-103.4421374
6,891.00	1.45	94.70	6,843.17	-298.79	427.82	375,413.65	817,518.08	32.0289605	-103.4421295
6,986.00	1.63	92.15	6,938.13	-298.94	430.36	375,413.50	817,520.63	32.0289600	-103.4421213
7,082.00	1.67	96.54	7,034.09	-299.15	433.12	375,413.29	817,523.39	32.0289594	-103.4421124
7,177.00	1.80	92.59	7,129.05	-299.37	435.98	375,413.07	817,526.25	32.0289587	-103.4421032
7,273.00	1.93	95.58	7,225.00	-299.60	439.10	375,412.84	817,529.37	32.0289580	-103.4420931
7,368.00	1.32	35.11	7,319.97	-298.86	441.32	375,413.58	817,531.59	32.0289600	-103.4420859
7,464.00	1.93	9.44	7,415.93	-296.36	442.22	375,416.08	817,532.49	32.0289669	-103.4420830
7,559.00	1.85	13.22	7,510.88	-293.29	442.84	375,419.15	817,533.10	32.0289753	-103.4420809
7,654.00	0.70	23.07	7,605.85	-291.26	443.41	375,421.18	817,533.68	32.0289808	-103.4420790
7,749.00	0.48	111.92	7,700.85	-290.88	444.01	375,421.56	817,534.28	32.0289819	-103.4420771
7,845.00	0.53	107.70	7,796.84	-291.16	444.81	375,421.28	817,535.07	32.0289811	-103.4420745
7,940.00	0.48	144.88	7,891.84	-291.62	445.45	375,420.82	817,535.72	32.0289798	-103.4420724
8,036.00	0.84	144.97	7,987.83	-292.53	446.09	375,419.91	817,536.36	32.0289773	-103.4420704
8,131.00	1.19	142.86	8,082.82	-293.88	447.08	375,418.56	817,537.35	32.0289736	-103.4420672
8,227.00	1.36	145.85	8,178.80	-295.62	448.33	375,416.82	817,538.59	32.0289687	-103.4420633
8,322.00	1.58	146.82	8,273.76	-297.65	449.68	375,414.79	817,539.94	32.0289631	-103.4420590
8,417.00	1.76	149.89	8,368.72	-300.01	451.12	375,412.43	817,541.39	32.0289566	-103.4420543
8,512.00	0.57	317.50	8,463.71	-300.92	451.54	375,411.52	817,541.80	32.0289541	-103.4420530
8,608.00	1.76	325.59	8,559.69	-299.35	450.38	375,413.09	817,540.65	32.0289584	-103.4420567
8,703.00	1.32	324.44	8,654.66	-297.26	448.92	375,415.18	817,539.19	32.0289642	-103.4420614
8,799.00	1.05	326.90	8,750.64	-295.62	447.80	375,416.82	817,538.06	32.0289688	-103.4420650
8,895.00	0.79	317.76	8,846.62	-294.40	446.87	375,418.04	817,537.14	32.0289721	-103.4420679
8,990.00	0.44	307.13	8,941.62	-293.69	446.14	375,418.75	817,536.41	32.0289741	-103.4420703
9,086.00	0.40	284.98	9,037.62	-293.38	445.52	375,419.06	817,535.79	32.0289750	-103.4420722
9,181.00	0.44	252.37	9,132.61	-293.41	444.85	375,419.03	817,535.12	32.0289749	-103.4420744
9,277.00	0.62	221.08	9,228.61	-293.91	444.16	375,418.53	817,534.43	32.0289735	-103.4420766
9,373.00	0.57	205.26	9,324.60	-294.73	443.62	375,417.71	817,533.89	32.0289713	-103.4420784
9,468.00	0.62	178.02	9,419.60	-295.67	443.43	375,416.77	817,533.70	32.0289687	-103.4420790
9,564.00	0.57	151.47	9,515.59	-296.61	443.68	375,415.83	817,533.95	32.0289661	-103.4420783
9,659.00	0.57	142.42	9,610.59	-297.40	444.19	375,415.04	817,534.46	32.0289639	-103.4420766
9,755.00	0.75	102.78	9,706.58	-297.92	445.10	375,414.52	817,535.37	32.0289625	-103.4420737
9,849.00	1.05	112.01	9,800.57	-298.38	446.50	375,414.06	817,536.76	32.0289612	-103.4420692
9,944.00	0.88	102.08	9,895.56	-298.86	448.02	375,413.58	817,538.28	32.0289599	-103.4420643
10,040.00	0.66	58.40	9,991.55	-298.72	449.21	375,413.72	817,539.48	32.0289602	-103.4420605
10,135.00	0.84	44.69	10,086.54	-297.94	450.16	375,414.50	817,540.43	32.0289623	-103.4420574
10,231.00	0.66	20.34	10,182.53	-296.92	450.85	375,415.52	817,541.12	32.0289651	-103.4420551
10,326.00	0.53	10.50	10,277.53	-295.98	451.12	375,416.46	817,541.39	32.0289677	-103.4420542
10,422.00	0.75	342.55	10,373.52	-294.94	451.01	375,417.50	817,541.28	32.0289706	-103.4420546
10,454.00	0.88	335.78	10,405.52	-294.52	450.85	375,417.92	817,541.12	32.0289717	-103.4420551
10,548.00	4.92	339.38	10,499.38	-290.08	449.13	375,422.36	817,539.40	32.0289839	-103.4420605
10,644.00	14.86	340.09	10,593.84	-274.62	443.48	375,437.82	817,533.75	32.0290266	-103.4420783
10,739.00	23.52	355.12	10,683.52	-244.20	437.70	375,468.24	817,527.97	32.0291103	-103.4420962
10,790.00	27.95	353.59	10,729.45	-222.17	435.50	375,490.27	817,525.77	32.0291709	-103.4421027
X FTP @ 10790' MD, 2538' FNL, 2217' FWL									
10,835.00	31.87	352.57	10,768.45	-199.90	432.79	375,512.53	817,523.05	32.0292322	-103.4421108
10,930.00	38.55	349.84	10,846.03	-145.83	424.31	375,566.61	817,514.58	32.0293810	-103.4421368
11,025.00	49.71	350.37	10,914.11	-80.77	412.99	375,631.67	817,503.26	32.0295601	-103.4421715
11,121.00	57.36	351.16	10,971.13	-4.62	400.64	375,707.82	817,490.91	32.0297697	-103.4422094
11,216.00	62.99	352.39	11,018.36	76.92	388.88	375,789.36	817,479.14	32.0299941	-103.4422452
11,311.00	68.40	354.50	11,057.45	162.90	379.03	375,875.34	817,469.30	32.0302306	-103.4422746
11,407.00	73.45	359.86	11,088.83	253.45	374.64	375,965.89	817,464.90	32.0304796	-103.4422864

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskie 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,502.00	86.33	2.24	11,105.48	346.76	376.38	376,059.20	817,466.65	32.0307361	-103.4422783
11,547.00	91.47	2.24	11,106.34	391.70	378.14	376,104.14	817,468.41	32.0308595	-103.4422714
11,628.00	91.91	2.59	11,103.95	472.59	381.55	376,185.03	817,471.82	32.0310818	-103.4422582
11,723.00	91.96	2.59	11,100.74	567.44	385.84	376,279.88	817,476.11	32.0313424	-103.4422419
11,818.00	92.84	2.15	11,096.76	662.28	389.77	376,374.71	817,480.04	32.0316030	-103.4422267
11,913.00	92.92	2.06	11,091.99	757.09	393.25	376,469.53	817,483.52	32.0318635	-103.4422129
12,009.00	90.37	1.88	11,089.24	852.99	396.55	376,565.43	817,486.82	32.0321270	-103.4421997
12,104.00	90.02	1.97	11,088.91	947.93	399.74	376,660.37	817,490.01	32.0323879	-103.4421869
12,199.00	89.93	2.06	11,088.95	1,042.87	403.08	376,755.31	817,493.35	32.0326488	-103.4421736
12,294.00	89.89	1.88	11,089.10	1,137.82	406.35	376,850.26	817,496.62	32.0329097	-103.4421605
12,389.00	89.98	1.53	11,089.21	1,232.78	409.18	376,945.21	817,499.45	32.0331707	-103.4421489
12,484.00	89.98	1.53	11,089.24	1,327.74	411.71	377,040.18	817,501.98	32.0334316	-103.4421382
12,580.00	90.15	1.36	11,089.13	1,423.71	414.13	377,136.15	817,504.40	32.0336954	-103.4421278
12,675.00	91.21	1.53	11,088.01	1,518.67	416.53	377,231.11	817,506.80	32.0339563	-103.4421175
12,770.00	91.25	2.06	11,085.97	1,613.60	419.50	377,326.04	817,509.77	32.0342172	-103.4421054
12,865.00	91.25	359.86	11,083.90	1,708.56	421.10	377,421.00	817,511.36	32.0344782	-103.4420978
12,961.00	91.21	0.04	11,081.83	1,804.54	421.01	377,516.98	817,511.28	32.0347420	-103.4420955
13,057.00	91.65	359.34	11,079.44	1,900.51	420.49	377,612.95	817,510.76	32.0350058	-103.4420946
13,152.00	91.96	359.42	11,076.45	1,995.46	419.47	377,707.89	817,509.73	32.0352668	-103.4420954
13,247.00	90.37	359.34	11,074.52	2,090.43	418.44	377,802.87	817,508.71	32.0355278	-103.4420962
13,342.00	90.90	359.69	11,073.46	2,185.42	417.63	377,897.86	817,507.90	32.0357890	-103.4420962
13,437.00	91.47	359.69	11,071.50	2,280.40	417.12	377,992.83	817,507.39	32.0360500	-103.4420954
13,472.62	91.98	359.59	11,070.42	2,316.00	416.90	378,028.44	817,507.16	32.0361479	-103.4420951
X SEC @ 13473' MD, 0' FSL, 2218' FWL									
13,532.00	92.84	359.42	11,067.93	2,375.32	416.38	378,087.76	817,506.65	32.0363110	-103.4420952
13,628.00	91.91	0.57	11,063.95	2,471.24	416.37	378,183.68	817,506.64	32.0365746	-103.4420927
13,723.00	89.27	359.78	11,062.97	2,566.22	416.66	378,278.66	817,506.93	32.0368357	-103.4420892
13,818.00	89.41	359.07	11,064.06	2,661.21	415.71	378,373.65	817,505.98	32.0370968	-103.4420898
13,913.00	89.45	359.78	11,065.01	2,756.20	414.76	378,468.64	817,505.03	32.0373579	-103.4420903
14,009.00	89.01	359.34	11,066.30	2,852.19	414.02	378,564.63	817,504.29	32.0376218	-103.4420901
14,104.00	88.84	0.04	11,068.08	2,947.17	413.51	378,659.61	817,503.78	32.0378829	-103.4420893
14,200.00	90.02	359.51	11,069.04	3,043.16	413.13	378,755.60	817,503.40	32.0381467	-103.4420879
14,295.00	90.20	358.90	11,068.85	3,138.15	411.81	378,850.59	817,502.08	32.0384078	-103.4420896
14,390.00	90.81	358.72	11,068.02	3,233.13	409.84	378,945.57	817,500.11	32.0386689	-103.4420935
14,486.00	90.64	358.72	11,066.80	3,329.10	407.69	379,041.54	817,497.96	32.0389328	-103.4420978
14,581.00	90.07	358.11	11,066.21	3,424.06	405.07	379,136.50	817,495.34	32.0391938	-103.4421038
14,677.00	89.85	357.84	11,066.28	3,520.00	401.67	379,232.44	817,491.94	32.0394576	-103.4421122
14,772.00	90.64	358.19	11,065.87	3,614.94	398.38	379,327.38	817,488.65	32.0397187	-103.4421203
14,868.00	90.33	358.37	11,065.06	3,710.89	395.50	379,423.33	817,485.77	32.0399825	-103.4421270
14,963.00	90.51	357.75	11,064.36	3,805.84	392.29	379,518.27	817,482.56	32.0402435	-103.4421349
15,058.00	90.81	357.23	11,063.27	3,900.74	388.13	379,613.18	817,478.39	32.0405045	-103.4421458
15,154.00	93.05	358.37	11,060.04	3,996.60	384.44	379,709.04	817,474.71	32.0407680	-103.4421551
15,249.00	94.24	358.37	11,054.00	4,091.37	381.75	379,803.81	817,472.01	32.0410286	-103.4421613
15,344.00	92.31	358.19	11,048.57	4,186.17	378.90	379,898.61	817,469.17	32.0412892	-103.4421679
15,440.00	91.78	358.63	11,045.15	4,282.07	376.24	379,994.51	817,466.51	32.0415529	-103.4421740
15,535.00	91.69	358.11	11,042.27	4,376.99	373.54	380,089.43	817,463.80	32.0418138	-103.4421802
15,630.00	90.77	359.07	11,040.23	4,471.94	371.20	380,184.37	817,461.47	32.0420749	-103.4421852
15,725.00	89.45	357.84	11,040.05	4,566.90	368.64	380,279.34	817,458.91	32.0423359	-103.4421909
15,820.00	90.64	359.60	11,039.97	4,661.87	366.52	380,374.31	817,456.78	32.0425970	-103.4421952
15,915.00	90.64	359.78	11,038.91	4,756.86	366.00	380,469.30	817,456.27	32.0428581	-103.4421944
16,010.00	90.11	359.95	11,038.29	4,851.86	365.78	380,564.30	817,456.05	32.0431193	-103.4421926
16,105.00	89.05	359.78	11,038.99	4,946.85	365.55	380,659.29	817,455.82	32.0433804	-103.4421908
16,201.00	91.56	359.69	11,038.48	5,042.84	365.11	380,755.28	817,455.38	32.0436442	-103.4421896
16,296.00	91.96	359.34	11,035.56	5,137.80	364.31	380,850.23	817,454.58	32.0439052	-103.4421897
16,391.00	91.47	358.55	11,032.71	5,232.74	362.56	380,945.17	817,452.83	32.0441662	-103.4421928

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskie 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,487.00	92.22	358.11	11,029.62	5,328.64	359.76	381,041.08	817,450.03	32.0444299	-103.4421993
16,582.00	90.73	359.42	11,027.18	5,423.59	357.72	381,136.02	817,447.98	32.0446909	-103.4422034
16,677.00	91.30	0.48	11,025.50	5,518.57	357.63	381,231.01	817,447.90	32.0449520	-103.4422011
16,773.00	91.56	359.69	11,023.10	5,614.54	357.78	381,326.98	817,448.04	32.0452158	-103.4421981
16,869.00	91.82	359.51	11,020.27	5,710.49	357.11	381,422.93	817,447.37	32.0454795	-103.4421977
16,964.00	88.70	0.57	11,019.84	5,805.48	357.17	381,517.92	817,447.44	32.0457406	-103.4421949
17,059.00	87.78	0.30	11,022.75	5,900.43	357.89	381,612.87	817,448.16	32.0460016	-103.4421901
17,154.00	89.98	0.21	11,024.61	5,995.41	358.32	381,707.84	817,448.58	32.0462626	-103.4421862
17,250.00	89.10	0.04	11,025.38	6,091.40	358.53	381,803.84	817,448.79	32.0465265	-103.4421830
17,345.00	90.33	359.16	11,025.85	6,186.40	357.86	381,898.83	817,448.13	32.0467876	-103.4421826
17,440.00	91.08	358.02	11,024.69	6,281.36	355.52	381,993.80	817,445.79	32.0470487	-103.4421876
17,536.00	91.56	357.75	11,022.47	6,377.27	351.98	382,089.70	817,442.25	32.0473124	-103.4421965
17,631.00	91.82	357.67	11,019.67	6,472.15	348.19	382,184.59	817,438.46	32.0475733	-103.4422062
17,726.00	91.30	359.78	11,017.09	6,567.08	346.08	382,279.52	817,436.34	32.0478343	-103.4422105
17,822.00	91.30	0.30	11,014.91	6,663.06	346.14	382,375.50	817,436.41	32.0480981	-103.4422077
17,917.00	91.65	0.39	11,012.46	6,758.03	346.71	382,470.46	817,436.98	32.0483591	-103.4422033
18,012.00	92.75	0.57	11,008.82	6,852.95	347.51	382,565.39	817,437.78	32.0486200	-103.4421982
18,108.00	91.65	0.65	11,005.13	6,948.87	348.53	382,661.31	817,438.80	32.0488836	-103.4421924
18,203.00	91.87	359.69	11,002.21	7,043.83	348.81	382,756.27	817,439.08	32.0491446	-103.4421889
18,299.00	91.25	359.78	10,999.60	7,139.79	348.37	382,852.23	817,438.64	32.0494084	-103.4421878
18,394.00	90.86	0.21	10,997.85	7,234.77	348.36	382,947.21	817,438.63	32.0496695	-103.4421853
18,490.00	90.68	0.13	10,996.56	7,330.76	348.65	383,043.20	817,438.91	32.0499333	-103.4421818
18,586.00	90.42	359.25	10,995.64	7,426.76	348.13	383,139.20	817,438.39	32.0501972	-103.4421809
18,681.00	89.80	358.37	10,995.46	7,521.74	346.15	383,234.17	817,436.42	32.0504583	-103.4421848
18,755.94	88.88	358.44	10,996.32	7,596.64	344.07	383,309.08	817,434.34	32.0506642	-103.4421895
X SEC @ 18756' MD, 0' FSL, 2189' FWL									
18,777.00	88.62	358.46	10,996.78	7,617.69	343.50	383,330.13	817,433.77	32.0507221	-103.4421908
18,872.00	89.41	359.60	10,998.41	7,712.66	341.89	383,425.10	817,432.16	32.0509831	-103.4421935
18,967.00	89.45	359.86	10,999.36	7,807.65	341.44	383,520.09	817,431.71	32.0512443	-103.4421924
19,063.00	90.02	359.95	10,999.80	7,903.65	341.28	383,616.09	817,431.55	32.0515081	-103.4421903
19,158.00	90.02	359.07	10,999.77	7,998.65	340.47	383,711.08	817,430.74	32.0517693	-103.4421904
19,253.00	89.63	357.93	11,000.06	8,093.61	337.98	383,806.05	817,428.25	32.0520303	-103.4421959
19,349.00	90.51	357.84	10,999.94	8,189.55	334.44	383,901.98	817,424.71	32.0522941	-103.4422048
19,444.00	91.34	357.31	10,998.41	8,284.45	330.42	383,996.89	817,420.69	32.0525550	-103.4422152
19,540.00	92.18	357.67	10,995.46	8,380.31	326.22	384,092.75	817,416.49	32.0528186	-103.4422262
19,635.00	90.81	358.55	10,992.98	8,475.22	323.09	384,187.66	817,413.36	32.0530796	-103.4422338
19,731.00	91.03	359.16	10,991.44	8,571.19	321.17	384,283.63	817,411.44	32.0533434	-103.4422375
19,827.00	91.65	359.07	10,989.20	8,667.15	319.69	384,379.59	817,409.96	32.0536072	-103.4422397
19,922.00	90.42	0.13	10,987.48	8,762.13	319.03	384,474.57	817,409.29	32.0538683	-103.4422393
20,018.00	90.24	359.16	10,986.93	8,858.13	318.43	384,570.56	817,408.70	32.0541322	-103.4422387
20,113.00	89.93	359.07	10,986.79	8,953.11	316.96	384,665.55	817,407.23	32.0543933	-103.4422409
20,209.00	90.29	359.25	10,986.60	9,049.10	315.56	384,761.54	817,405.82	32.0546572	-103.4422428
20,304.00	89.27	358.37	10,986.97	9,144.08	313.58	384,856.52	817,403.85	32.0549183	-103.4422467
20,400.00	89.76	359.86	10,987.78	9,240.06	312.10	384,952.50	817,402.37	32.0551821	-103.4422489
20,496.00	90.64	359.86	10,987.44	9,336.06	311.87	385,048.50	817,402.13	32.0554460	-103.4422471
20,591.00	90.59	359.16	10,986.42	9,431.05	311.05	385,143.49	817,401.32	32.0557071	-103.4422472
20,687.00	90.15	358.37	10,985.80	9,527.03	308.98	385,239.46	817,399.25	32.0559709	-103.4422513
20,782.00	91.78	358.28	10,984.20	9,621.97	306.21	385,334.41	817,396.48	32.0562320	-103.4422577
20,878.00	92.84	357.67	10,980.33	9,717.83	302.82	385,430.27	817,393.09	32.0564955	-103.4422661
20,973.00	93.01	359.25	10,975.49	9,812.67	300.27	385,525.11	817,390.54	32.0567563	-103.4422718
21,068.00	91.91	0.48	10,971.41	9,907.58	300.05	385,620.01	817,390.31	32.0570171	-103.4422700
21,164.00	89.41	0.21	10,970.30	10,003.56	300.62	385,716.00	817,390.89	32.0572810	-103.4422656
21,259.00	89.10	0.04	10,971.54	10,098.55	300.83	385,810.99	817,391.10	32.0575420	-103.4422624
21,355.00	89.58	358.90	10,972.64	10,194.54	299.94	385,906.98	817,390.21	32.0578059	-103.4422627
21,451.00	89.23	359.25	10,973.64	10,290.52	298.39	386,002.96	817,388.66	32.0580698	-103.4422652

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 13H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3208.7' + KB 25' @ 3233.70usft
Well:	Muskie 23-11 Fed Com 13H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,546.00	89.76	359.60	10,974.48	10,385.51	297.44	386,097.95	817,387.71	32.0583309	-103.4422657
21,642.00	90.24	358.63	10,974.48	10,481.50	295.96	386,193.94	817,386.23	32.0585947	-103.4422679
21,737.00	90.29	357.49	10,974.04	10,576.44	292.74	386,288.88	817,383.01	32.0588558	-103.4422758
21,832.00	90.81	357.49	10,973.13	10,671.35	288.58	386,383.79	817,378.85	32.0591167	-103.4422867
21,927.00	90.11	357.14	10,972.36	10,766.24	284.13	386,478.68	817,374.40	32.0593777	-103.4422985
22,023.00	89.85	358.55	10,972.40	10,862.17	280.52	386,574.61	817,370.79	32.0596414	-103.4423076
22,119.00	89.19	358.19	10,973.20	10,958.13	277.79	386,670.56	817,368.06	32.0599052	-103.4423139
22,214.00	89.14	0.92	10,974.59	11,053.10	277.05	386,765.54	817,367.32	32.0601663	-103.4423137
22,310.00	88.48	1.09	10,976.58	11,149.07	278.74	386,861.51	817,369.00	32.0604300	-103.4423057
22,405.00	89.54	0.48	10,978.22	11,244.04	280.04	386,956.48	817,370.31	32.0606911	-103.4422990
22,495.00	92.40	1.27	10,976.70	11,334.01	281.41	387,046.45	817,371.68	32.0609383	-103.4422922
22,590.00	92.44	0.04	10,972.69	11,428.92	282.50	387,141.35	817,372.76	32.0611992	-103.4422861
22,686.00	92.53	0.48	10,968.52	11,524.82	282.93	387,237.26	817,373.20	32.0614628	-103.4422822
22,781.00	93.01	0.04	10,963.93	11,619.71	283.36	387,332.15	817,373.63	32.0617236	-103.4422783
22,876.00	92.97	359.51	10,958.98	11,714.58	282.99	387,427.02	817,373.26	32.0619843	-103.4422769
22,971.00	91.74	0.04	10,955.07	11,809.50	282.62	387,521.94	817,372.89	32.0622452	-103.4422756
23,067.00	91.82	0.04	10,952.09	11,905.45	282.68	387,617.89	817,372.95	32.0625090	-103.4422728
23,162.00	92.31	359.69	10,948.67	12,000.39	282.46	387,712.83	817,372.73	32.0627699	-103.4422710
23,257.00	91.08	359.78	10,945.86	12,095.35	282.02	387,807.78	817,372.29	32.0630310	-103.4422699
23,353.00	91.25	0.04	10,943.91	12,191.33	281.87	387,903.76	817,372.14	32.0632948	-103.4422678
23,448.00	91.60	359.95	10,941.54	12,286.30	281.86	387,998.73	817,372.13	32.0635558	-103.4422653
23,544.00	91.78	359.69	10,938.71	12,382.25	281.56	388,094.69	817,371.83	32.0638196	-103.4422637
23,639.00	91.74	359.69	10,935.80	12,477.21	281.05	388,189.65	817,371.31	32.0640806	-103.4422629
23,735.00	92.13	359.69	10,932.55	12,573.15	280.53	388,285.59	817,370.80	32.0643443	-103.4422620
23,830.00	93.10	359.60	10,928.22	12,668.05	279.94	388,380.49	817,370.21	32.0646052	-103.4422614
23,859.00	93.27	359.69	10,926.61	12,697.00	279.76	388,409.44	817,370.03	32.0646847	-103.4422612
23,916.00	93.27	359.69	10,923.36	12,753.91	279.45	388,466.35	817,369.72	32.0648412	-103.4422606
PBHL & LTP @ 23916' MD, 129' FNL, 2170' FWL									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,790.00	10,729.45	-222.17	435.50	X FTP @ 10790' MD, 2538' FNL, 2217' FWL	
13,472.62	11,070.42	2,316.00	416.90	X SEC @ 13473' MD, 0' FSL, 2218' FWL	
18,755.94	10,996.32	7,596.64	344.07	X SEC @ 18756' MD, 0' FSL, 2189' FWL	
23,916.00	10,923.36	12,753.91	279.45	PBHL & LTP @ 23916' MD, 129' FNL, 2170' FWL	

Checked By: _____ Approved By: _____ Date: _____

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

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.)		WELL API NO. 30-025-49662
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator Devon Energy Production Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102		7. Lease Name or Unit Agreement Name Muskie 23-11 Fed Com
4. Well Location Unit Letter <u>F</u> : <u>2316</u> feet from the <u>North</u> line and <u>1782</u> feet from the <u>West</u> line Section <u>23</u> Township <u>26S</u> Range <u>34E</u> NMPM County <u>Lea</u>		8. Well Number 13H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3208.7'		9. OGRID Number 6137
		10. Pool name or Wildcat HARDIN TANK; BONE SPRING

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 ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐	
OTHER: ☐		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.

5/29/22-8/3/22: MIRU WL & PT. TIH & ran CBL, found TOC @ 1230'. PT csg to 1500 psi for 30min, OK. TIH w/pump through frac plug and guns. Perf Bone Spring, 11450'-23860', total 1504 holes. Frac totals 25,070,880# proppant, 30 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD w/ float collar 23,874' MD/10,926' TVD. CHC, FWB, ND BOP. RIH w/315 jts 2-7/8" L-80 tbg, set @ 10564'. TOP.

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

SIGNATURE Shayda Omoumi TITLE Regulatory Compliance Professional DATE 8/19/2022

Type or print name Shayda Omoumi E-mail address: shayda.omoumi@dmn.com PHONE: 405-552-3513

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. 30-025-49662								
		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 Muskie 23-11 Fed Com				
						6. Well Number: 13H				
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 HARDIN TANK; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	F	23	26S	34E		2316	North	1782	West	Lea
BH:	C	11	26S	34E		128	North	2169	West	Lea
13. Date Spudded 1/26/22	14. Date T.D. Reached 5/20/22		15. Date Rig Released 5/23/22		16. Date Completed (Ready to Produce) 8/3/22			17. Elevations (DF and RKB, RT, GR, etc.) 3208.7' GL		
18. Total Measured Depth of Well 23916 MD, 10923 TVD			19. Plug Back Measured Depth 23,874 MD/10,926 TVD			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11450-23860, BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.5		1081		17-1/2"		860 sx C/C; circ 359 sx		
9-5/8"		40		5219		12-1/4"		940 sx C/C; circ 215 sx		
5-1/2"		20		23874		8-1/2"		2740 sx C/H; circ 52 sx		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					2-7/8" L-80	10564				
26. Perforation record (interval, size, and number) 11450 - 23860, total 1504 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11450-23860 Acidize and frac in 51 stages. See detailed summary attached.				
28. PRODUCTION										
Date First Production 8/3/22		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 8/16/22	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 185	Gas - MCF 192	Water - Bbl. 1114	Gas - Oil Ratio 1037.837838			
Flow Tubing Press. 2991 psi	Casing Pressure 1694 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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		Printed Name		Title		Date				
		Shayda Omoumi		Regulatory Compliance Professional		8/19/2022				
E-mail Address		shayda.omoumi@dvn.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.

Southeastern New Mexico		Northwestern New Mexico	
Rustler - 890			
Salt - 1250			
Base of Salt - 5000			
Lamar - 5000			
Delaware - 5300			
Cherry Canyon - 6335			
Brushy Canyon - 7975			
1st Bone Spring Lime - 9405			
1st Bone Spring Sand - 10570			
2nd Bone Spring Sand - 11120			
3rd Bone Spring Lime - 11575			
3rd Bone Spring Sand - 12175			
Wolfcamp - 12595			
Strawn - 14955			

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/oed/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 137377

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 137377
	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.

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

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 137377

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 137377
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	10/21/2025