

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 / 8/1/22
⁴ API Number 30-025-47414	⁵ Pool Name JABALINA; WOLFCAMP, SOUTHWEST	⁶ Pool Code 96776
⁷ Property Code 328845	⁸ Property Name Muskie 23-11 Fed Com	⁹ Well Number 4H

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	1752	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		102	North	2078	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 8/1/22	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 1/27/22	²² Ready Date 8/1/22	²³ TD 25708	²⁴ PBDT 25,695 MD/12,660 TVD	²⁵ Perforations 13147 - 25683	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
13-1/2"	10-3/4"	1103	560 sx CLC; Circ 221 sx		
9-7/8"	8-5/8"	12251	660 sx CLC ; Circ 94 sx		
7-7/8"	5-1/2"	25696	3327 sx CLH; Circ 84 sx		
	Tubing:	0			

V. Well Test Data

³¹ Date New Oil 8/14/22	³² Gas Delivery Date 8/14/22	³³ Test Date 8/14/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure N/A	³⁶ Csg. Pressure 944 psi
³⁷ Choke Size N/A	³⁸ Oil 1346 bbl	³⁹ Water 6426 bbl	⁴⁰ Gas 36 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@dvn.com			Approval Date:		
Date: 8/19/2022		Phone: 405-552-3513			

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6181 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 30-025-47414	Pool Code 96776	Pool Name JABALINA;WOLFCAMP, SOUTHWEST
Property Code 328845	Property Name MUSKIE 23-11 FED COM	Well Number 4H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3209.6'

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	1752	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		102	NORTH	2078	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 4H

EL: 3209.6'
LAT:32.029792
LON:103.443599
N:375712.31
E:817060.27

KICK OFF POINT

2628' FSL 2054' FWL SEC. 23
LAT:32.028834
LON:103.442625
N:375366.51
E:817364.83

FIRST TAKE POINT

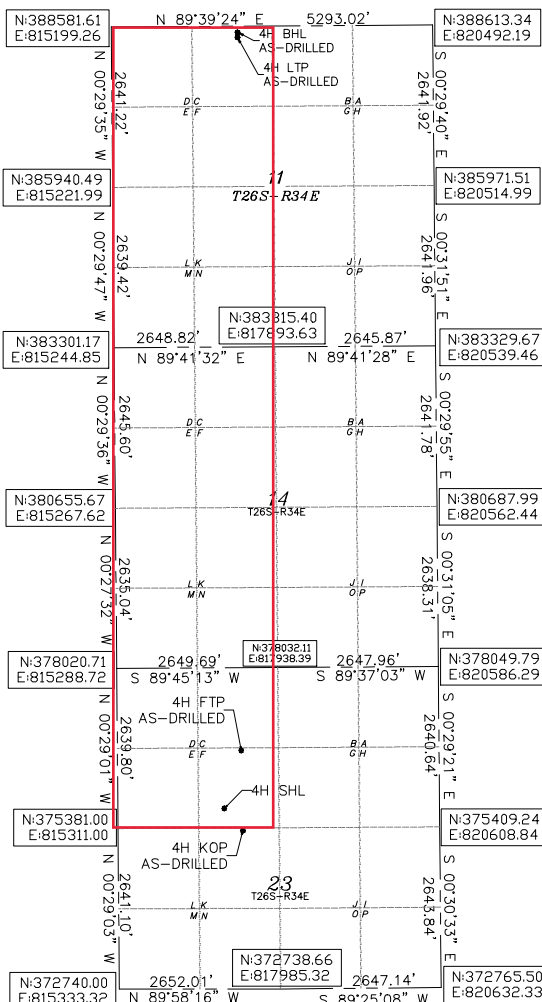
1362' FNL 2039' FWL SEC. 23
LAT:32.032411
LON:103.442675
N:376667.47
E:817338.74

LAST TAKE POINT

127' FNL 2077' FWL SEC. 11
LAT:32.064846
LON:103.442560
N:388467.28
E:817276.87

BOTTOM OF HOLE

LAT:32.064914
 LON:103.442557
 N:388492.25
 E:817277.62



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 arid.

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 has no other working interest or unleased mineral interest in the land including the proposed bottom hole location or has the 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.

Signature Shayla Smount Date 7/22/2022

Shayda Omoumi

Printed Name _____

shayda.omoumi@dvn.com

E-mail Address

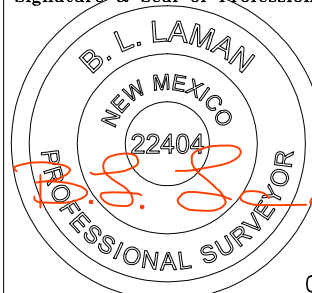
SURVEYOR CERTIFICATION

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.

04/14/2022

Date of Survey

Signature & Seal of Professional Surveyor



07/15/22

Certificate No. 22404

R.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 4H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

14 April, 2022

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	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 4H				
Well Position	+N/-S	0.00 usft	Northing:	375,712.31 usft	Latitude:	32.0297918
	+E/-W	0.00 usft	Easting:	817,060.27 usft	Longitude:	-103.4435987
Position Uncertainty		0.50 usft	Wellhead Elevation:	usft	Ground Level:	3,209.60 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	0.97	

Survey Program	Date	4/14/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
273.00	25,708.00	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	375,712.31	817,060.27	32.0297918	-103.4435987
273.00	0.04	295.88	273.00	0.04	-0.09	375,712.35	817,060.18	32.0297919	-103.4435990
367.00	0.13	309.77	367.00	0.12	-0.20	375,712.43	817,060.07	32.0297921	-103.4435994
460.00	0.18	265.21	460.00	0.18	-0.42	375,712.49	817,059.84	32.0297923	-103.4436001
554.00	0.26	285.24	554.00	0.22	-0.78	375,712.53	817,059.49	32.0297924	-103.4436012
647.00	0.35	278.92	647.00	0.32	-1.26	375,712.63	817,059.01	32.0297927	-103.4436028
741.00	0.66	272.76	740.99	0.39	-2.09	375,712.70	817,058.18	32.0297929	-103.4436055
834.00	0.79	281.90	833.99	0.55	-3.25	375,712.86	817,057.02	32.0297934	-103.4436092
927.00	1.05	280.15	926.97	0.83	-4.71	375,713.14	817,055.55	32.0297942	-103.4436139
1,020.00	1.05	271.97	1,019.96	1.01	-6.40	375,713.32	817,053.86	32.0297947	-103.4436194
1,035.00	0.97	270.04	1,034.96	1.02	-6.67	375,713.33	817,053.60	32.0297947	-103.4436202
1,173.00	0.97	281.03	1,172.94	1.24	-8.98	375,713.55	817,051.29	32.0297954	-103.4436277

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskies 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskies 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskies 23-11 Fed Com 4H	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
1,266.00	0.84	262.48	1,265.93	1.30	-10.43	375,713.61	817,049.84	32.0297956	-103.4436324
1,360.00	0.84	276.28	1,359.92	1.29	-11.80	375,713.60	817,048.47	32.0297956	-103.4436368
1,453.00	0.88	272.85	1,452.90	1.40	-13.19	375,713.71	817,047.08	32.0297959	-103.4436413
1,549.00	1.14	265.38	1,548.89	1.36	-14.88	375,713.67	817,045.39	32.0297959	-103.4436467
1,645.00	1.01	260.11	1,644.87	1.14	-16.66	375,713.44	817,043.60	32.0297953	-103.4436525
1,740.00	0.75	209.13	1,739.86	0.45	-17.79	375,712.76	817,042.48	32.0297934	-103.4436561
1,836.00	5.45	99.36	1,835.72	-0.84	-13.60	375,711.47	817,046.67	32.0297898	-103.4436426
1,931.00	7.25	107.62	1,930.14	-3.39	-3.43	375,708.92	817,056.84	32.0297825	-103.4436099
2,026.00	8.57	117.81	2,024.24	-8.51	8.54	375,703.80	817,068.81	32.0297682	-103.4435714
2,122.00	9.27	126.95	2,119.08	-16.49	21.05	375,695.82	817,081.32	32.0297460	-103.4435313
2,218.00	8.70	138.03	2,213.91	-26.54	32.09	375,685.77	817,092.36	32.0297181	-103.4434959
2,313.00	7.69	142.60	2,307.94	-36.93	40.75	375,675.38	817,101.02	32.0296893	-103.4434682
2,408.00	7.34	146.03	2,402.12	-47.01	48.00	375,665.29	817,108.27	32.0296615	-103.4434451
2,504.00	7.65	144.00	2,497.30	-57.27	55.19	375,655.04	817,115.46	32.0296331	-103.4434222
2,599.00	6.77	140.31	2,591.55	-66.69	62.48	375,645.61	817,122.75	32.0296070	-103.4433989
2,694.00	6.81	136.97	2,685.88	-75.12	69.90	375,637.19	817,130.17	32.0295837	-103.4433752
2,789.00	7.03	135.30	2,780.19	-83.37	77.83	375,628.94	817,138.10	32.0295609	-103.4433498
2,884.00	6.86	132.49	2,874.50	-91.33	86.10	375,620.97	817,146.37	32.0295388	-103.4433233
2,980.00	6.77	131.44	2,969.82	-98.95	94.57	375,613.36	817,154.84	32.0295177	-103.4432962
3,075.00	7.03	128.10	3,064.13	-106.25	103.35	375,606.06	817,163.62	32.0294974	-103.4432681
3,171.00	7.03	123.17	3,159.41	-113.08	112.89	375,599.22	817,173.16	32.0294784	-103.4432375
3,266.00	7.30	120.71	3,253.67	-119.35	122.94	375,592.96	817,183.21	32.0294610	-103.4432052
3,362.00	7.69	118.78	3,348.85	-125.55	133.82	375,586.75	817,194.08	32.0294436	-103.4431703
3,457.00	7.74	116.32	3,442.99	-131.45	145.12	375,580.86	817,205.39	32.0294272	-103.4431340
3,552.00	7.30	125.63	3,537.17	-137.80	155.76	375,574.50	817,216.03	32.0294095	-103.4430998
3,648.00	6.33	131.08	3,632.50	-144.83	164.71	375,567.47	817,224.98	32.0293900	-103.4430712
3,743.00	6.42	128.80	3,726.91	-151.60	172.80	375,560.70	817,233.06	32.0293712	-103.4430452
3,838.00	5.93	126.51	3,821.36	-157.85	180.88	375,554.46	817,241.15	32.0293538	-103.4430193
3,934.00	7.69	118.87	3,916.68	-163.90	190.49	375,548.40	817,250.76	32.0293370	-103.4429885
4,029.00	8.66	118.60	4,010.71	-170.40	202.34	375,541.91	817,262.60	32.0293188	-103.4429504
4,124.00	8.18	131.08	4,104.69	-178.26	213.71	375,534.05	817,273.98	32.0292970	-103.4429139
4,220.00	6.99	135.13	4,199.85	-186.89	222.98	375,525.42	817,283.25	32.0292730	-103.4428842
4,315.00	6.33	137.76	4,294.21	-194.86	230.58	375,517.44	817,290.85	32.0292509	-103.4428599
4,410.00	5.85	134.34	4,388.68	-202.13	237.56	375,510.18	817,297.83	32.0292308	-103.4428376
4,505.00	5.45	136.01	4,483.21	-208.75	244.16	375,503.55	817,304.43	32.0292125	-103.4428165
4,601.00	5.23	132.40	4,578.80	-214.99	250.56	375,497.32	817,310.82	32.0291952	-103.4427960
4,696.00	5.49	127.48	4,673.38	-220.67	257.36	375,491.64	817,317.63	32.0291794	-103.4427742
4,792.00	5.49	125.46	4,768.94	-226.13	264.74	375,486.18	817,325.01	32.0291642	-103.4427505
4,887.00	5.71	123.09	4,863.49	-231.35	272.41	375,480.96	817,332.67	32.0291497	-103.4427260
4,983.00	5.98	122.47	4,958.99	-236.64	280.63	375,475.67	817,340.89	32.0291350	-103.4426996
5,079.00	6.29	120.89	5,054.44	-242.02	289.36	375,470.29	817,349.63	32.0291200	-103.4426715
5,175.00	5.89	123.00	5,149.90	-247.40	298.00	375,464.90	817,358.27	32.0291050	-103.4426438
5,270.00	5.58	123.79	5,244.42	-252.63	305.93	375,459.68	817,366.20	32.0290905	-103.4426184
5,366.00	5.19	121.50	5,340.00	-257.49	313.51	375,454.82	817,373.78	32.0290769	-103.4425940
5,461.00	4.53	129.24	5,434.66	-262.11	320.08	375,450.20	817,380.35	32.0290641	-103.4425730
5,557.00	4.04	141.10	5,530.39	-267.14	325.14	375,445.17	817,385.41	32.0290501	-103.4425568
5,652.00	3.47	146.20	5,625.19	-272.13	328.84	375,440.17	817,389.11	32.0290363	-103.4425450
5,748.00	1.85	167.91	5,721.08	-276.06	330.78	375,436.24	817,391.05	32.0290255	-103.4425388
5,844.00	1.27	205.09	5,817.05	-278.54	330.65	375,433.77	817,390.92	32.0290187	-103.4425393
5,939.00	1.19	202.80	5,912.03	-280.41	329.83	375,431.90	817,390.09	32.0290136	-103.4425420
6,035.00	1.23	203.33	6,008.01	-282.27	329.03	375,430.04	817,389.30	32.0290085	-103.4425446
6,130.00	1.27	202.10	6,102.98	-284.18	328.23	375,428.13	817,388.50	32.0290032	-103.4425472
6,225.00	1.23	201.66	6,197.96	-286.11	327.46	375,426.20	817,387.73	32.0289980	-103.4425498
6,321.00	0.79	277.33	6,293.95	-286.98	326.42	375,425.33	817,386.69	32.0289956	-103.4425532
6,417.00	1.01	286.74	6,389.94	-286.65	324.96	375,425.66	817,385.22	32.0289965	-103.4425579

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	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
6,512.00	0.62	322.60	6,484.93	-286.00	323.84	375,426.31	817,384.11	32.0289983	-103.4425615
6,607.00	0.84	12.61	6,579.92	-284.91	323.68	375,427.40	817,383.95	32.0290013	-103.4425619
6,703.00	0.84	17.18	6,675.91	-283.55	324.04	375,428.75	817,384.31	32.0290051	-103.4425607
6,799.00	0.84	26.76	6,771.90	-282.25	324.57	375,430.05	817,384.84	32.0290086	-103.4425590
6,894.00	1.01	21.66	6,866.89	-280.85	325.19	375,431.45	817,385.46	32.0290124	-103.4425570
6,989.00	0.84	12.26	6,961.88	-279.39	325.65	375,432.91	817,385.92	32.0290164	-103.4425555
7,085.00	1.05	17.88	7,057.86	-277.87	326.07	375,434.44	817,386.33	32.0290206	-103.4425541
7,180.00	1.01	16.74	7,152.85	-276.24	326.57	375,436.07	817,386.84	32.0290251	-103.4425524
7,276.00	1.14	14.63	7,248.83	-274.51	327.06	375,437.80	817,387.33	32.0290299	-103.4425508
7,371.00	0.92	17.44	7,343.82	-272.86	327.53	375,439.44	817,387.80	32.0290344	-103.4425492
7,467.00	0.84	2.50	7,439.80	-271.43	327.79	375,440.88	817,388.06	32.0290383	-103.4425483
7,562.00	0.79	8.92	7,534.79	-270.08	327.92	375,442.23	817,388.19	32.0290420	-103.4425479
7,658.00	0.53	2.06	7,630.79	-268.99	328.04	375,443.32	817,388.31	32.0290450	-103.4425475
7,753.00	0.35	339.12	7,725.79	-268.27	327.95	375,444.03	817,388.22	32.0290470	-103.4425477
7,849.00	0.22	317.06	7,821.78	-267.87	327.72	375,444.44	817,387.99	32.0290481	-103.4425485
7,944.00	0.09	231.46	7,916.78	-267.78	327.54	375,444.53	817,387.81	32.0290483	-103.4425490
8,040.00	0.30	212.30	8,012.78	-268.04	327.35	375,444.27	817,387.61	32.0290476	-103.4425497
8,135.00	0.35	247.71	8,107.78	-268.36	326.94	375,443.95	817,387.21	32.0290468	-103.4425510
8,230.00	0.44	208.60	8,202.78	-268.79	326.50	375,443.52	817,386.77	32.0290456	-103.4425524
8,326.00	0.44	167.12	8,298.78	-269.47	326.41	375,442.84	817,386.68	32.0290437	-103.4425527
8,422.00	0.84	178.37	8,394.77	-270.53	326.51	375,441.77	817,386.78	32.0290408	-103.4425524
8,517.00	0.92	169.23	8,489.76	-271.98	326.67	375,440.33	817,386.94	32.0290368	-103.4425519
8,613.00	0.70	180.04	8,585.75	-273.32	326.81	375,438.98	817,387.08	32.0290331	-103.4425515
8,708.00	0.97	176.26	8,680.74	-274.71	326.87	375,437.60	817,387.14	32.0290293	-103.4425514
8,803.00	1.14	179.34	8,775.72	-276.45	326.93	375,435.85	817,387.20	32.0290245	-103.4425512
8,899.00	1.27	172.04	8,871.70	-278.46	327.09	375,433.85	817,387.36	32.0290190	-103.4425508
8,995.00	0.97	183.03	8,967.68	-280.33	327.19	375,431.98	817,387.46	32.0290138	-103.4425505
9,090.00	1.10	188.48	9,062.67	-282.03	327.02	375,430.28	817,387.28	32.0290092	-103.4425511
9,185.00	1.01	188.83	9,157.65	-283.76	326.75	375,428.55	817,387.02	32.0290044	-103.4425520
9,280.00	0.97	206.05	9,252.64	-285.31	326.27	375,427.00	817,386.54	32.0290002	-103.4425536
9,375.00	1.05	196.56	9,347.62	-286.87	325.67	375,425.44	817,385.94	32.0289959	-103.4425556
9,471.00	0.92	190.59	9,443.61	-288.47	325.28	375,423.84	817,385.55	32.0289915	-103.4425569
9,566.00	0.79	169.67	9,538.60	-289.86	325.26	375,422.45	817,385.52	32.0289877	-103.4425570
9,662.00	0.66	173.62	9,634.59	-291.06	325.44	375,421.25	817,385.70	32.0289844	-103.4425564
9,758.00	0.75	178.55	9,730.58	-292.24	325.51	375,420.07	817,385.78	32.0289811	-103.4425562
9,853.00	0.70	173.01	9,825.58	-293.44	325.60	375,418.87	817,385.87	32.0289778	-103.4425560
9,949.00	0.66	183.29	9,921.57	-294.57	325.64	375,417.74	817,385.91	32.0289747	-103.4425559
10,044.00	0.62	169.58	10,016.56	-295.62	325.70	375,416.68	817,385.97	32.0289718	-103.4425557
10,139.00	0.48	188.74	10,111.56	-296.52	325.73	375,415.79	817,386.00	32.0289694	-103.4425556
10,234.00	0.70	215.99	10,206.56	-297.39	325.33	375,414.92	817,385.60	32.0289670	-103.4425569
10,330.00	0.62	214.84	10,302.55	-298.29	324.69	375,414.02	817,384.96	32.0289645	-103.4425590
10,425.00	0.75	238.57	10,397.54	-299.03	323.87	375,413.28	817,384.13	32.0289625	-103.4425617
10,521.00	0.92	231.37	10,493.53	-299.84	322.73	375,412.47	817,383.00	32.0289603	-103.4425654
10,616.00	0.13	162.99	10,588.53	-300.42	322.16	375,411.89	817,382.43	32.0289587	-103.4425673
10,712.00	0.04	331.04	10,684.53	-300.50	322.18	375,411.81	817,382.45	32.0289585	-103.4425672
10,808.00	0.26	189.09	10,780.53	-300.68	322.13	375,411.63	817,382.40	32.0289580	-103.4425674
10,903.00	0.70	213.17	10,875.52	-301.38	321.78	375,410.93	817,382.04	32.0289561	-103.4425685
10,999.00	0.92	200.43	10,971.51	-302.59	321.19	375,409.72	817,381.45	32.0289528	-103.4425705
11,094.00	1.27	185.84	11,066.50	-304.36	320.81	375,407.95	817,381.08	32.0289479	-103.4425717
11,190.00	1.36	168.96	11,162.47	-306.53	320.92	375,405.78	817,381.19	32.0289420	-103.4425714
11,286.00	1.58	183.82	11,258.44	-308.97	321.05	375,403.34	817,381.32	32.0289353	-103.4425711
11,381.00	1.98	193.93	11,353.39	-311.87	320.57	375,400.44	817,380.84	32.0289273	-103.4425727
11,477.00	3.08	199.38	11,449.30	-315.91	319.32	375,396.40	817,379.58	32.0289162	-103.4425769
11,571.00	2.99	196.74	11,543.17	-320.64	317.77	375,391.67	817,378.04	32.0289032	-103.4425820
11,666.00	4.44	194.98	11,637.97	-326.57	316.11	375,385.74	817,376.38	32.0288870	-103.4425875

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	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
11,762.00	3.16	201.66	11,733.75	-332.62	314.17	375,379.69	817,374.44	32.0288704	-103.4425939
11,857.00	2.64	210.71	11,828.63	-336.93	312.09	375,375.38	817,372.35	32.0288586	-103.4426007
11,953.00	2.46	219.77	11,924.54	-340.42	309.64	375,371.89	817,369.91	32.0288491	-103.4426087
12,048.00	2.15	226.53	12,019.46	-343.21	307.04	375,369.10	817,367.31	32.0288415	-103.4426172
12,144.00	1.67	220.91	12,115.41	-345.51	304.82	375,366.80	817,365.09	32.0288352	-103.4426244
12,208.00	1.41	221.26	12,179.38	-346.80	303.69	375,365.51	817,363.96	32.0288317	-103.4426281
12,265.00	1.36	221.26	12,236.37	-347.84	302.78	375,364.47	817,363.05	32.0288288	-103.4426311
12,360.00	7.03	349.49	12,331.15	-342.96	300.97	375,369.35	817,361.24	32.0288423	-103.4426368
12,456.00	24.00	357.40	12,423.32	-317.49	299.00	375,394.82	817,359.27	32.0289123	-103.4426424
12,551.00	38.29	354.68	12,504.42	-268.63	295.38	375,443.68	817,355.65	32.0290467	-103.4426528
12,619.80	47.38	358.31	12,554.83	-222.00	292.65	375,490.31	817,352.92	32.0291749	-103.4426604
X FTP @ 12620' MD, 2538' FNL, 2045' FWL									
12,646.00	50.86	359.42	12,571.97	-202.20	292.26	375,510.11	817,352.53	32.0292294	-103.4426611
12,742.00	55.60	357.49	12,629.43	-125.36	290.15	375,586.95	817,350.42	32.0294406	-103.4426659
12,837.00	54.37	358.02	12,683.94	-47.61	287.10	375,664.69	817,347.37	32.0296544	-103.4426737
12,932.00	61.93	357.84	12,734.03	32.97	284.18	375,745.28	817,344.45	32.0298760	-103.4426809
12,956.00	65.93	358.02	12,744.58	54.51	283.40	375,766.82	817,343.67	32.0299352	-103.4426829
13,051.00	73.80	357.49	12,777.25	143.57	279.90	375,855.87	817,340.17	32.0301801	-103.4426918
13,147.00	76.44	357.23	12,801.90	236.24	275.63	375,948.55	817,335.90	32.0304349	-103.4427031
13,242.00	78.51	357.31	12,822.51	328.87	271.21	376,041.18	817,331.48	32.0306896	-103.4427149
13,337.00	86.37	358.19	12,834.99	422.90	267.52	376,135.20	817,327.79	32.0309481	-103.4427243
13,432.00	86.20	359.60	12,841.15	517.68	265.69	376,229.98	817,325.96	32.0312087	-103.4427277
13,527.00	88.09	0.48	12,845.88	612.55	265.76	376,324.86	817,326.03	32.0314695	-103.4427249
13,622.00	88.53	0.65	12,848.68	707.51	266.70	376,419.81	817,326.97	32.0317304	-103.4427194
13,718.00	92.22	4.43	12,848.06	803.38	270.95	376,515.68	817,331.22	32.0319939	-103.4427031
13,813.00	88.40	2.06	12,847.54	898.20	276.33	376,610.51	817,336.59	32.0322544	-103.4426833
13,908.00	86.37	2.24	12,851.88	993.03	279.89	376,705.34	817,340.15	32.0325149	-103.4426693
14,003.00	85.71	0.57	12,858.44	1,087.77	282.21	376,800.08	817,342.48	32.0327753	-103.4426592
14,094.00	83.38	355.54	12,867.09	1,178.27	279.14	376,890.58	817,339.41	32.0330241	-103.4426667
14,194.00	87.25	354.33	12,875.26	1,277.52	270.34	376,989.83	817,330.61	32.0332971	-103.4426925
14,289.00	91.12	357.23	12,876.61	1,372.23	263.36	377,084.54	817,323.63	32.0335576	-103.4427125
14,385.00	91.16	358.19	12,874.70	1,468.13	259.52	377,180.44	817,319.79	32.0338213	-103.4427223
14,480.00	91.96	359.60	12,872.11	1,563.08	257.69	377,275.38	817,317.96	32.0340823	-103.4427257
14,575.00	91.43	358.81	12,869.30	1,658.02	256.37	377,370.33	817,316.64	32.0343433	-103.4427274
14,670.00	93.93	1.18	12,864.86	1,752.91	256.36	377,465.21	817,316.63	32.0346041	-103.4427249
14,766.00	93.80	1.62	12,858.39	1,848.66	258.70	377,560.97	817,318.97	32.0348673	-103.4427148
14,861.00	93.45	0.92	12,852.38	1,943.44	260.80	377,655.75	817,321.07	32.0351277	-103.4427055
14,956.00	93.76	2.24	12,846.41	2,038.22	263.42	377,750.53	817,323.69	32.0353882	-103.4426946
15,052.00	93.49	1.80	12,840.34	2,133.97	266.80	377,846.27	817,327.06	32.0356513	-103.4426811
15,147.00	93.98	0.74	12,834.15	2,228.74	268.90	377,941.05	817,329.16	32.0359117	-103.4426718
15,234.41	92.68	0.34	12,829.07	2,316.00	269.71	378,028.30	817,329.98	32.0361516	-103.4426669
X SEC @ 15234' MD, 0' FSL, 2041' FWL									
15,242.00	92.57	0.30	12,828.72	2,323.58	269.76	378,035.89	817,330.03	32.0361724	-103.4426665
15,337.00	90.90	358.98	12,825.85	2,418.53	269.16	378,130.84	817,329.43	32.0364334	-103.4426659
15,432.00	89.54	359.34	12,825.48	2,513.51	267.77	378,225.82	817,328.04	32.0366945	-103.4426679
15,528.00	88.97	358.81	12,826.73	2,609.49	266.22	378,321.80	817,326.49	32.0369584	-103.4426703
15,623.00	90.37	358.11	12,827.28	2,704.45	263.66	378,416.76	817,323.93	32.0372194	-103.4426761
15,719.00	89.93	352.39	12,827.03	2,800.08	255.72	378,512.39	817,315.99	32.0374825	-103.4426992
15,814.00	91.03	358.63	12,826.23	2,894.74	248.28	378,607.05	817,308.55	32.0377428	-103.4427206
15,909.00	90.77	357.05	12,824.74	2,989.66	244.70	378,701.97	817,304.97	32.0380038	-103.4427296
16,005.00	91.25	357.49	12,823.05	3,085.53	240.13	378,797.84	817,300.40	32.0382674	-103.4427418
16,100.00	90.64	356.52	12,821.48	3,180.39	235.17	378,892.70	817,295.44	32.0385283	-103.4427553
16,195.00	92.48	0.21	12,818.89	3,275.29	232.46	378,987.60	817,292.73	32.0387892	-103.4427616
16,291.00	89.27	356.35	12,817.43	3,371.21	229.58	379,083.52	817,289.85	32.0390529	-103.4427683
16,386.00	91.69	359.78	12,816.63	3,466.13	226.37	379,178.44	817,286.64	32.0393139	-103.4427761

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	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
16,482.00	91.08	0.39	12,814.31	3,562.10	226.51	379,274.41	817,286.78	32.0395776	-103.4427731
16,577.00	89.93	2.50	12,813.47	3,657.06	228.91	379,369.37	817,289.18	32.0398386	-103.4427629
16,673.00	92.48	1.09	12,811.45	3,752.98	231.92	379,465.29	817,292.18	32.0401022	-103.4427506
16,768.00	91.82	0.04	12,807.89	3,847.91	232.85	379,560.22	817,293.12	32.0403631	-103.4427451
16,864.00	91.43	359.25	12,805.17	3,943.87	232.26	379,656.18	817,292.52	32.0406269	-103.4427444
16,959.00	90.15	358.19	12,803.86	4,038.83	230.13	379,751.14	817,290.40	32.0408879	-103.4427487
17,054.00	91.03	0.48	12,802.88	4,133.81	229.03	379,846.12	817,289.30	32.0411490	-103.4427498
17,150.00	91.56	1.09	12,800.71	4,229.78	230.35	379,942.09	817,290.62	32.0414128	-103.4427430
17,245.00	93.14	5.93	12,796.81	4,324.49	236.15	380,036.80	817,296.42	32.0416730	-103.4427217
17,340.00	91.30	2.68	12,793.13	4,419.13	243.28	380,131.44	817,303.55	32.0419329	-103.4426962
17,435.00	91.21	1.80	12,791.05	4,514.04	246.99	380,226.35	817,307.26	32.0421937	-103.4426817
17,530.00	91.25	5.75	12,789.01	4,608.79	253.24	380,321.10	817,313.51	32.0424540	-103.4426590
17,625.00	90.90	8.30	12,787.23	4,703.05	264.86	380,415.36	817,325.13	32.0427129	-103.4426190
17,720.00	91.34	4.87	12,785.37	4,797.39	275.75	380,509.70	817,336.02	32.0429719	-103.4425814
17,815.00	88.44	359.78	12,785.55	4,892.27	279.60	380,604.58	817,339.87	32.0432326	-103.4425664
17,911.00	89.41	0.57	12,787.35	4,988.25	279.89	380,700.56	817,340.16	32.0434964	-103.4425629
18,006.00	89.14	358.90	12,788.56	5,083.24	279.45	380,795.55	817,339.72	32.0437575	-103.4425618
18,101.00	89.19	358.98	12,789.94	5,178.22	277.70	380,890.52	817,337.97	32.0440186	-103.4425649
18,197.00	88.18	358.37	12,792.14	5,274.16	275.48	380,986.47	817,335.75	32.0442824	-103.4425695
18,292.00	92.44	0.65	12,791.63	5,369.13	274.67	381,081.44	817,334.93	32.0445434	-103.4425696
18,387.00	93.05	359.78	12,787.08	5,464.02	275.02	381,176.33	817,335.29	32.0448043	-103.4425660
18,483.00	92.31	358.90	12,782.59	5,559.91	273.92	381,272.22	817,334.18	32.0450678	-103.4425670
18,579.00	89.58	357.14	12,781.01	5,655.82	270.60	381,368.13	817,330.87	32.0453316	-103.4425751
18,674.00	92.48	358.90	12,779.30	5,750.74	267.32	381,463.05	817,327.59	32.0455925	-103.4425832
18,769.00	91.52	358.98	12,775.98	5,845.66	265.56	381,557.97	817,325.83	32.0458535	-103.4425863
18,864.00	90.11	359.51	12,774.63	5,940.64	264.31	381,652.95	817,324.58	32.0461146	-103.4425878
18,959.00	92.75	357.40	12,772.26	6,035.56	261.75	381,747.87	817,322.02	32.0463755	-103.4425936
19,055.00	93.05	357.40	12,767.41	6,131.34	257.40	381,843.65	817,317.67	32.0466389	-103.4426051
19,150.00	93.10	357.58	12,762.31	6,226.11	253.25	381,938.42	817,313.52	32.0468995	-103.4426159
19,246.00	92.57	358.55	12,757.56	6,321.94	250.01	382,034.25	817,310.28	32.0471630	-103.4426238
19,341.00	91.25	358.28	12,754.39	6,416.85	247.38	382,129.16	817,307.65	32.0474239	-103.4426298
19,436.00	89.23	356.96	12,754.00	6,511.76	243.44	382,224.07	817,303.71	32.0476848	-103.4426400
19,532.00	93.05	358.46	12,752.09	6,607.64	239.60	382,319.95	817,299.87	32.0479485	-103.4426498
19,627.00	91.74	359.25	12,748.12	6,702.54	237.71	382,414.85	817,297.98	32.0482094	-103.4426534
19,722.00	91.65	358.81	12,745.31	6,797.48	236.10	382,509.79	817,296.37	32.0484704	-103.4426561
19,817.00	91.82	358.72	12,742.43	6,892.42	234.05	382,604.73	817,294.32	32.0487314	-103.4426601
19,913.00	92.31	359.34	12,738.97	6,988.34	232.43	382,700.65	817,292.70	32.0489950	-103.4426628
20,009.00	90.33	359.60	12,736.76	7,084.31	231.54	382,796.61	817,291.81	32.0492588	-103.4426631
20,104.00	91.43	1.01	12,735.30	7,179.29	232.05	382,891.60	817,292.32	32.0495199	-103.4426590
20,200.00	90.81	0.48	12,733.42	7,275.26	233.29	382,987.57	817,293.56	32.0497837	-103.4426524
20,295.00	92.66	2.41	12,730.55	7,370.18	235.69	383,082.49	817,295.96	32.0500445	-103.4426421
20,391.00	90.59	1.45	12,727.83	7,466.08	238.92	383,178.39	817,299.19	32.0503080	-103.4426292
20,486.00	91.47	1.27	12,726.12	7,561.04	241.17	383,273.35	817,301.44	32.0505690	-103.4426194
20,521.62	91.29	1.04	12,725.26	7,596.64	241.89	383,308.95	817,302.16	32.0506668	-103.4426161
X SEC @ 20522' MD, 0' FSL, 2057' FWL									
20,582.00	90.99	0.65	12,724.06	7,657.00	242.78	383,369.31	817,303.05	32.0508327	-103.4426116
20,677.00	91.87	1.01	12,721.69	7,751.96	244.16	383,464.27	817,304.43	32.0510937	-103.4426046
20,773.00	89.32	1.01	12,720.69	7,847.93	245.85	383,560.24	817,306.12	32.0513575	-103.4425966
20,868.00	89.36	0.92	12,721.78	7,942.91	247.45	383,655.22	817,307.72	32.0516185	-103.4425889
20,963.00	88.66	0.13	12,723.43	8,037.89	248.32	383,750.20	817,308.59	32.0518795	-103.4425836
21,059.00	90.42	359.95	12,724.20	8,133.89	248.39	383,846.19	817,308.66	32.0521434	-103.4425808
21,154.00	90.59	359.86	12,723.36	8,228.88	248.23	383,941.19	817,308.50	32.0524045	-103.4425788
21,250.00	90.68	359.42	12,722.30	8,324.87	247.63	384,037.18	817,307.89	32.0526684	-103.4425782
21,345.00	90.37	359.42	12,721.42	8,419.87	246.66	384,132.17	817,306.93	32.0529295	-103.4425788
21,441.00	91.03	0.83	12,720.25	8,515.86	246.87	384,228.16	817,307.14	32.0531933	-103.4425755

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	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
21,536.00	90.46	0.39	12,719.02	8,610.84	247.89	384,323.15	817,308.15	32.0534544	-103.4425697
21,631.00	90.15	0.83	12,718.51	8,705.83	248.90	384,418.14	817,309.16	32.0537155	-103.4425639
21,727.00	89.89	0.30	12,718.48	8,801.83	249.84	384,514.14	817,310.11	32.0539793	-103.4425583
21,822.00	90.20	0.13	12,718.40	8,896.83	250.20	384,609.14	817,310.47	32.0542404	-103.4425547
21,918.00	90.90	0.65	12,717.48	8,992.82	250.85	384,705.13	817,311.12	32.0545042	-103.4425500
22,013.00	90.86	359.16	12,716.02	9,087.81	250.70	384,800.12	817,310.96	32.0547653	-103.4425480
22,109.00	91.08	359.34	12,714.40	9,183.78	249.44	384,896.09	817,309.71	32.0550292	-103.4425495
22,205.00	90.81	359.34	12,712.81	9,279.77	248.33	384,992.07	817,308.60	32.0552930	-103.4425505
22,300.00	91.82	3.82	12,710.63	9,374.68	250.95	385,086.99	817,311.22	32.0555538	-103.4425395
22,396.00	90.59	3.55	12,708.61	9,470.46	257.12	385,182.77	817,317.39	32.0558170	-103.4425170
22,491.00	89.58	1.18	12,708.47	9,565.37	261.04	385,277.68	817,321.31	32.0560777	-103.4425019
22,587.00	88.35	359.78	12,710.21	9,661.34	261.84	385,373.65	817,322.11	32.0563415	-103.4424967
22,682.00	89.36	359.34	12,712.11	9,756.32	261.11	385,468.63	817,321.38	32.0566026	-103.4424965
22,777.00	90.64	359.25	12,712.11	9,851.31	259.95	385,563.62	817,320.21	32.0568637	-103.4424978
22,873.00	91.78	358.63	12,710.08	9,947.27	258.17	385,659.58	817,318.44	32.0571275	-103.4425010
22,968.00	90.64	358.81	12,708.07	10,042.23	256.05	385,754.53	817,316.32	32.0573886	-103.4425053
23,064.00	92.75	359.34	12,705.23	10,138.17	254.50	385,850.47	817,314.77	32.0576523	-103.4425077
23,159.00	91.82	357.05	12,701.44	10,233.04	251.51	385,945.34	817,311.78	32.0579131	-103.4425148
23,255.00	92.44	356.17	12,697.88	10,328.80	245.84	386,041.11	817,306.10	32.0581765	-103.4425306
23,350.00	91.91	355.82	12,694.27	10,423.50	239.21	386,135.81	817,299.47	32.0584369	-103.4425495
23,445.00	91.74	359.07	12,691.24	10,518.34	234.97	386,230.65	817,295.24	32.0586977	-103.4425606
23,541.00	90.29	357.58	12,689.54	10,614.28	232.17	386,326.59	817,292.44	32.0589615	-103.4425671
23,636.00	93.23	0.48	12,686.63	10,709.20	230.56	386,421.51	817,290.83	32.0592224	-103.4425698
23,732.00	92.97	1.18	12,681.43	10,805.05	231.95	386,517.36	817,292.22	32.0594859	-103.4425627
23,828.00	92.62	0.65	12,676.75	10,900.93	233.48	386,613.23	817,293.75	32.0597493	-103.4425552
23,923.00	91.96	0.48	12,672.96	10,995.84	234.41	386,708.15	817,294.68	32.0600102	-103.4425497
24,019.00	91.74	359.34	12,669.86	11,091.79	234.26	386,804.10	817,294.53	32.0602739	-103.4425476
24,114.00	91.60	358.81	12,667.09	11,186.74	232.73	386,899.05	817,293.00	32.0605350	-103.4425500
24,209.00	90.81	357.31	12,665.09	11,281.66	229.52	386,993.97	817,289.78	32.0607959	-103.4425579
24,305.00	90.77	356.52	12,663.77	11,377.51	224.35	387,089.82	817,284.62	32.0610595	-103.4425720
24,400.00	90.15	358.19	12,663.00	11,472.40	219.97	387,184.71	817,280.23	32.0613204	-103.4425836
24,496.00	90.15	358.02	12,662.75	11,568.35	216.79	387,280.66	817,277.06	32.0615842	-103.4425913
24,566.00	90.15	358.55	12,662.57	11,638.32	214.70	387,350.63	817,274.96	32.0617766	-103.4425962
24,662.00	89.58	357.75	12,662.80	11,734.27	211.60	387,446.58	817,271.87	32.0620404	-103.4426037
24,757.00	89.89	357.84	12,663.24	11,829.20	207.94	387,541.50	817,268.21	32.0623014	-103.4426129
24,853.00	92.26	359.07	12,661.43	11,925.14	205.35	387,637.44	817,265.62	32.0625652	-103.4426187
24,948.00	89.80	0.39	12,659.73	12,020.11	204.91	387,732.42	817,265.18	32.0628262	-103.4426177
25,044.00	89.93	0.65	12,659.95	12,116.11	205.78	387,828.41	817,266.05	32.0630901	-103.4426123
25,140.00	90.15	1.53	12,659.89	12,212.09	207.60	387,924.40	817,267.87	32.0633538	-103.4426038
25,235.00	90.20	1.45	12,659.60	12,307.05	210.07	388,019.36	817,270.34	32.0636148	-103.4425933
25,330.00	89.45	359.69	12,659.89	12,402.04	211.02	388,114.35	817,271.29	32.0638759	-103.4425877
25,425.00	89.49	0.65	12,660.77	12,497.04	211.30	388,209.35	817,271.57	32.0641370	-103.4425843
25,521.00	89.32	0.92	12,661.76	12,593.02	212.62	388,305.33	817,272.88	32.0644008	-103.4425775
25,616.00	90.42	1.53	12,661.98	12,688.00	214.65	388,400.31	817,274.92	32.0646618	-103.4425684
25,645.00	91.34	1.71	12,661.53	12,716.99	215.47	388,429.29	817,275.74	32.0647415	-103.4425650
25,708.00	91.34	1.71	12,660.06	12,779.94	217.35	388,492.25	817,277.61	32.0649145	-103.4425573
PBHL & LTP @ 25708' MD, 102' FNL, 2078' FWL									

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Muskie 23-11 Fed Com 4H
Project:	Lea County, NM (NAD83)	TVD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Site:	Muskie 23-11 Fed Com	MD Reference:	GE 3209.6' + KB 25' @ 3234.60usft
Well:	Muskie 23-11 Fed Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
12,619.80	12,554.83	-222.00	292.65	X FTP @ 12620' MD, 2538' FNL, 2045' FWL	
15,234.41	12,829.07	2,316.00	269.71	X SEC @ 15234' MD, 0' FSL, 2041' FWL	
20,521.62	12,725.26	7,596.64	241.89	X SEC @ 20522' MD, 0' FSL, 2057' FWL	
25,708.00	12,660.06	12,779.94	217.35	PBHL & LTP @ 25708' MD, 102' FNL, 2078' FWL	

Checked By: _____	Approved By: _____	Date: _____
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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. 30-025-47414
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>1752</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 4H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3209.6'		9. OGRID Number 6137
		10. Pool name or Wildcat JABALINA; WOLFCAMP, SOUTHWEST

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.

6/1/22-8/1/22: MIRU WL & PT. TIH & ran CBL, found TOC @ 6860'. PT csg to 1,500 psi for 30min, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 13147'-25683', total 1876 holes. Frac totals 31,297,729# proppant, 15 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBDT w/ float collar 25,695' MD/12,660' TVD. CHC, FWB, ND BOP. Tubing will be run at a later date. 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@dvn.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. 30-025-47414							
				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: 4H			
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 JABALINA; WOLFCAMP, SOUTHWEST			
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	1752	West	Lea	
BH:	C	11	26S	34E		102	North	2078	West	Lea	
13. Date Spudded 1/27/22	14. Date T.D. Reached 4/8/22		15. Date Rig Released 4/11/22			16. Date Completed (Ready to Produce) 8/1/22			17. Elevations (DF and RKB, RT, GR, etc.) 3209.6' GL		
18. Total Measured Depth of Well 25708 MD, 12660 TVD			19. Plug Back Measured Depth 25,695 MD/12,660 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 13147-25683, WOLFCAMP, SOUTHWEST											
23. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
10-3/4"		45.5		1103		13-1/2"		560 sx CIC; circ 221 sx			
8-5/8"		32		12251		9-7/8"		660 sx CIC; circ 94 sx			
5-1/2"		20		25696		7-7/8"		3327 sx CIH; circ 84 sx			
24. LINER RECORD											
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD						
					SIZE	DEPTH SET	PACKER SET				
26. Perforation record (interval, size, and number) 13147 - 25683, total 1876 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 13147-25683 Acidize and frac in 53 stages. See detailed summary attached.						
28. PRODUCTION											
Date First Production 8/1/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing					Well Status (Prod. or Shut-in) Producing				
Date of Test 8/14/22	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 1346	Gas - MCF 36	Water - Bbl. 6426	Gas - Oil Ratio 26.74591382				
Flow Tubing Press. N/A	Casing Pressure 944 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 			Printed Name Shayda Omoumi		Title Regulatory Compliance Professional			Date 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/Ato..... N/A
 No. 2, from..... N/Ato..... N/A
 No. 3, from..... N/Ato..... N/A
 No. 4, from..... N/Ato..... 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 137335

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 137335
	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

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

CONDITIONS

Action 137335

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 137335
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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