

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 / 5/2/22
⁴ API Number 30-025-48448	⁵ Pool Name WC-025 G-08 S243217P; UPR WOLFCAMP	⁶ Pool Code 98248
⁷ Property Code 329914	⁸ Property Name Right Meow 30-31 Fed Com	⁹ Well Number 621H

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
1	30	23S	32E		250	North	900	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
4	31	23S	32E		103	South	1022	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/2/22	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
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas
320009	EnLink Midstream Operating, LP 2501 Cedar Springs Road, Suite 100, Dallas, TX 75201	Oil

IV. Well Completion Data

²¹ Spud Date 12/8/21	²² Ready Date 5/2/22	²³ TD 22134	²⁴ PBDT 22,116 MD/12,003 TVD	²⁵ Perforations 12338 - 22104	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"		13-3/8"		1083	894 sx OTHER; Circ 423 sx
9-7/8"		8-5/8"		11445	729 sx CLC; Circ 0
7-7/8"		5-1/2"		22119	1483 sx CLH; Circ 0
		Tubing:		0	

V. Well Test Data

³¹ Date New Oil 5/10/22	³² Gas Delivery Date 5/10/22	³³ Test Date 5/10/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure psi
³⁷ Choke Size	³⁸ Oil 2523 bbl	³⁹ Water 6638 bbl	⁴⁰ Gas 48 mcf		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Shayda Omoumi			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Compliance Associate			Title: PETROLEUM SPECIALIST		
E-mail Address: shayda.omoumi@dvN.com			Approval Date: 7/10/2024		
Date: 5/16/2022		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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48448	² Pool Code 98248	³ Pool Name WC-025 G-08 S243217P;UPR WOLFCAMP
⁴ Property Code 329914	⁵ Property Name RIGHT MEOW 30-31 FED COM	⁶ Well Number 621H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3593.4

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
1	30	23 S	32 E		250	NORTH	900	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	31	23 S	32 E		103	SOUTH	1022	WEST	LEA
¹² Dedicated Acres 691.6	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Shayda Omoumi</i> 5/5/2022 Signature Date Shayda Omoumi Printed Name shayda.omoumi@dvn.com E-mail Address
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. APRIL 21, 2022 Date of Survey <i>Imon E. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Survey No. 8261		

Intent ☐ As Drilled ☒

API # 30-025-48448		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: RIGHT MEOW 30-31 FED COM	Well Number 621H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
1	30	23S	32E		86	NORTH	1050	WEST	LEA
Latitude 32.2824536					Longitude 103.7195688				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
1	30	23S	32E		673	NORTH	1141	WEST	LEA
Latitude 32.2808496					Longitude 103.7192777				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
4	31	23S	32E		133	SOUTH	1024	WEST	LEA
Latitude 32.2540409					Longitude 103.7196672				NAD 83

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

☐ N

Is this well an infill well?

☐ Y

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

API # 30-025-48451		
Operator Name: Devon Energy Production Company, L.P.	Property Name: Right Meow 30-31 Fed Com	Well Number 712H

KZ 06/29/2018



Devon Energy

Lea County, NM (NAD83 NME)

Right Meow 30-31 Fed Com

Right Meow 30-31 Fed Com 621H

OH Wellbore

Design: As Drilled

Standard Survey Report

03 January, 2022



www.scientificdrilling.com



Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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

Site						Right Meow 30-31 Fed Com, 621H Center											
Site Position:			Northing:			466,869.56 usft			Latitude:			32.282009					
From:			Map			Easting:			730,863.63 usft			Longitude:			-103.720056		
Position Uncertainty:			0.00 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.33 °		

Well	Right Meow 30-31 Fed Com 621H					
Well Position	+N/-S	0.00 usft	Northing:	466,869.56 usft	Latitude:	32.282009
	+E/-W	0.00 usft	Easting:	730,863.63 usft	Longitude:	-103.720056
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,619.00 usft	Ground Level:	3,593.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	11/22/2021	6.48	59.93	47,696.60000000

Design	As Drilled				
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	179.10	

Survey Program	Date	1/3/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
202.00	22,134.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
202.00	0.47	128.85	202.00	-0.52	0.65	0.53	0.23	0.23	0.00	
296.00	0.41	138.05	295.99	-1.01	1.17	1.03	0.10	-0.06	9.79	
389.00	0.51	125.42	388.99	-1.50	1.73	1.53	0.15	0.11	-13.58	
482.00	0.47	141.46	481.99	-2.04	2.30	2.07	0.15	-0.04	17.25	
575.00	0.66	146.29	574.98	-2.78	2.84	2.83	0.21	0.20	5.19	
669.00	0.68	160.80	668.98	-3.76	3.32	3.81	0.18	0.02	15.44	
764.00	0.66	174.69	763.97	-4.84	3.56	4.89	0.17	-0.02	14.62	
859.00	0.64	193.54	858.97	-5.90	3.49	5.95	0.23	-0.02	19.84	
955.00	0.79	196.47	954.96	-7.05	3.17	7.10	0.16	0.16	3.05	



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,114.00	0.64	203.93	1,113.95	-8.91	2.50	8.95	0.11	-0.09	4.69	
1,178.00	0.62	200.80	1,177.94	-9.57	2.23	9.60	0.06	-0.03	-4.89	
1,273.00	0.67	213.26	1,272.94	-10.51	1.75	10.54	0.16	0.05	13.12	
1,369.00	0.66	217.64	1,368.93	-11.42	1.10	11.43	0.05	-0.01	4.56	
1,464.00	0.78	237.95	1,463.92	-12.19	0.22	12.20	0.29	0.13	21.38	
1,560.00	0.86	222.64	1,559.91	-13.07	-0.82	13.06	0.24	0.08	-15.95	
1,655.00	0.81	227.63	1,654.90	-14.05	-1.80	14.02	0.09	-0.05	5.25	
1,750.00	0.71	209.90	1,749.89	-15.01	-2.59	14.97	0.27	-0.11	-18.66	
1,846.00	0.62	210.18	1,845.89	-15.97	-3.15	15.92	0.09	-0.09	0.29	
1,941.00	0.95	214.99	1,940.88	-17.06	-3.86	17.00	0.35	0.35	5.06	
2,037.00	1.06	217.81	2,036.86	-18.42	-4.86	18.34	0.13	0.11	2.94	
2,132.00	0.87	226.59	2,131.85	-19.61	-5.92	19.51	0.25	-0.20	9.24	
2,228.00	0.96	224.65	2,227.84	-20.68	-7.02	20.57	0.10	0.09	-2.02	
2,323.00	0.81	225.88	2,322.83	-21.71	-8.06	21.59	0.16	-0.16	1.29	
2,418.00	0.82	224.60	2,417.82	-22.67	-9.02	22.52	0.02	0.01	-1.35	
2,514.00	0.65	229.22	2,513.81	-23.51	-9.91	23.35	0.19	-0.18	4.81	
2,609.00	0.30	41.34	2,608.81	-23.68	-10.16	23.51	1.00	-0.37	181.18	
2,705.00	1.34	48.07	2,704.80	-22.74	-9.15	22.59	1.09	1.08	7.01	
2,800.00	2.96	46.62	2,799.73	-20.31	-6.55	20.20	1.71	1.71	-1.53	
2,895.00	3.97	43.03	2,894.55	-16.22	-2.52	16.18	1.09	1.06	-3.78	
2,990.00	5.07	41.58	2,989.25	-10.68	2.51	10.72	1.16	1.16	-1.53	
3,085.00	6.43	45.08	3,083.77	-3.78	9.06	3.92	1.48	1.43	3.68	
3,181.00	7.64	46.17	3,179.05	4.43	17.47	-4.16	1.27	1.26	1.14	
3,277.00	7.79	44.77	3,274.18	13.47	26.66	-13.05	0.25	0.16	-1.46	
3,372.00	7.56	43.25	3,368.33	22.60	35.48	-22.04	0.32	-0.24	-1.60	
3,467.00	6.92	44.06	3,462.57	31.26	43.74	-30.57	0.68	-0.67	0.85	
3,563.00	6.31	44.92	3,557.93	39.15	51.49	-38.34	0.64	-0.64	0.90	
3,659.00	7.11	45.52	3,653.27	47.05	59.45	-46.11	0.84	0.83	0.63	
3,754.00	7.57	45.18	3,747.50	55.58	68.08	-54.51	0.49	0.48	-0.36	
3,849.00	6.90	48.50	3,841.74	63.77	76.80	-62.56	0.83	-0.71	3.49	
3,944.00	6.90	58.37	3,936.05	70.55	85.93	-69.19	1.25	0.00	10.39	
4,039.00	7.23	66.28	4,030.34	75.94	96.26	-74.43	1.08	0.35	8.33	
4,135.00	7.23	64.57	4,125.57	80.97	107.25	-79.28	0.22	0.00	-1.78	
4,230.00	7.98	64.05	4,219.74	86.42	118.58	-84.55	0.79	0.79	-0.55	
4,325.00	7.92	61.95	4,313.82	92.38	130.28	-90.33	0.31	-0.06	-2.21	
4,421.00	7.33	50.14	4,408.98	99.42	140.82	-97.20	1.74	-0.61	-12.30	
4,517.00	6.65	41.10	4,504.27	107.53	149.18	-105.18	1.35	-0.71	-9.42	
4,612.00	5.78	40.17	4,598.71	115.33	155.88	-112.88	0.92	-0.92	-0.98	
4,708.00	5.75	39.21	4,694.22	122.75	162.04	-120.20	0.11	-0.03	-1.00	
4,803.00	5.85	37.67	4,788.74	130.27	168.00	-127.63	0.19	0.11	-1.62	
4,899.00	6.05	36.69	4,884.22	138.20	174.02	-135.46	0.23	0.21	-1.02	
4,994.00	5.90	35.68	4,978.70	146.18	179.85	-143.35	0.19	-0.16	-1.06	
5,090.00	5.62	34.45	5,074.22	154.07	185.39	-151.14	0.32	-0.29	-1.28	
5,186.00	5.26	34.43	5,169.79	161.57	190.54	-158.57	0.38	-0.38	-0.02	

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,281.00	5.07	33.07	5,264.40	168.68	195.29	-165.60	0.24	-0.20	-1.43	
5,376.00	5.06	32.42	5,359.03	175.74	199.83	-172.58	0.06	-0.01	-0.68	
5,471.00	4.52	27.85	5,453.70	182.58	203.82	-179.37	0.70	-0.57	-4.81	
5,567.00	3.68	21.35	5,549.45	188.80	206.71	-185.54	1.00	-0.88	-6.77	
5,662.00	3.13	22.29	5,644.28	194.04	208.80	-190.74	0.58	-0.58	0.99	
5,757.00	1.78	13.95	5,739.20	197.87	210.14	-194.55	1.47	-1.42	-8.78	
5,853.00	1.06	347.00	5,835.17	200.18	210.30	-196.86	1.00	-0.75	-28.07	
5,949.00	1.29	356.50	5,931.15	202.13	210.04	-198.81	0.31	0.24	9.90	
6,044.00	1.32	352.60	6,026.12	204.28	209.83	-200.96	0.10	0.03	-4.11	
6,140.00	1.50	344.10	6,122.09	206.58	209.35	-203.28	0.29	0.19	-8.85	
6,234.00	1.43	346.86	6,216.06	208.91	208.74	-205.61	0.11	-0.07	2.94	
6,330.00	1.09	356.95	6,312.04	210.99	208.42	-207.69	0.42	-0.35	10.51	
6,425.00	1.09	358.97	6,407.02	212.79	208.36	-209.50	0.04	0.00	2.13	
6,520.00	0.71	294.13	6,502.01	213.94	207.80	-210.65	1.07	-0.40	-68.25	
6,616.00	0.88	267.02	6,598.00	214.14	206.52	-210.88	0.42	0.18	-28.24	
6,710.00	0.81	263.38	6,691.99	214.03	205.14	-210.79	0.09	-0.07	-3.87	
6,806.00	1.19	264.15	6,787.98	213.85	203.48	-210.63	0.40	0.40	0.80	
6,901.00	1.42	265.11	6,882.95	213.65	201.32	-210.47	0.24	0.24	1.01	
6,996.00	1.64	251.84	6,977.92	213.12	198.86	-209.98	0.44	0.23	-13.97	
7,092.00	1.59	247.36	7,073.88	212.18	196.32	-209.08	0.14	-0.05	-4.67	
7,188.00	1.89	242.86	7,169.84	210.95	193.69	-207.89	0.34	0.31	-4.69	
7,283.00	1.85	242.85	7,264.79	209.53	190.93	-206.51	0.04	-0.04	-0.01	
7,378.00	1.72	241.38	7,359.74	208.15	188.31	-205.17	0.15	-0.14	-1.55	
7,474.00	1.89	234.25	7,455.69	206.53	185.76	-203.60	0.29	0.18	-7.43	
7,569.00	1.61	235.46	7,550.65	204.86	183.39	-201.96	0.30	-0.29	1.27	
7,665.00	1.95	225.10	7,646.60	202.95	181.12	-200.08	0.49	0.35	-10.79	
7,761.00	2.00	231.20	7,742.54	200.74	178.66	-197.92	0.22	0.05	6.35	
7,856.00	1.47	223.80	7,837.50	198.82	176.53	-196.03	0.60	-0.56	-7.79	
7,952.00	1.38	224.17	7,933.47	197.11	174.87	-194.34	0.09	-0.09	0.39	
8,047.00	1.55	226.28	8,028.44	195.40	173.14	-192.66	0.19	0.18	2.22	
8,143.00	1.07	188.57	8,124.42	193.61	172.07	-190.89	1.00	-0.50	-39.28	
8,238.00	0.95	171.29	8,219.40	191.96	172.06	-189.24	0.34	-0.13	-18.19	
8,332.00	0.98	180.17	8,313.39	190.38	172.17	-187.66	0.16	0.03	9.45	
8,427.00	1.21	161.41	8,408.37	188.62	172.49	-185.89	0.45	0.24	-19.75	
8,523.00	0.85	167.54	8,504.36	186.97	172.97	-184.23	0.39	-0.38	6.39	
8,618.00	1.71	167.04	8,599.33	184.90	173.44	-182.16	0.91	0.91	-0.53	
8,713.00	1.67	179.14	8,694.29	182.13	173.78	-179.38	0.38	-0.04	12.74	
8,809.00	1.77	175.84	8,790.25	179.25	173.90	-176.51	0.15	0.10	-3.44	
8,905.00	1.57	167.28	8,886.21	176.49	174.30	-173.74	0.33	-0.21	-8.92	
9,000.00	1.85	157.03	8,981.16	173.81	175.19	-171.04	0.44	0.29	-10.79	
9,095.00	1.54	155.93	9,076.12	171.23	176.31	-168.45	0.33	-0.33	-1.16	
9,190.00	1.21	175.12	9,171.10	169.07	176.91	-166.27	0.59	-0.35	20.20	
9,286.00	1.14	186.35	9,267.08	167.11	176.89	-164.32	0.25	-0.07	11.70	



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,381.00	1.48	193.28	9,362.05	164.98	176.51	-162.19	0.39	0.36	7.29	
9,471.00	1.93	210.20	9,452.01	162.53	175.48	-159.76	0.75	0.50	18.80	
9,561.00	1.96	214.57	9,541.96	159.96	173.84	-157.21	0.17	0.03	4.86	
9,650.00	1.98	216.45	9,630.91	157.47	172.06	-154.75	0.08	0.02	2.11	
9,740.00	1.20	224.73	9,720.87	155.55	170.48	-152.86	0.90	-0.87	9.20	
9,829.00	0.24	211.91	9,809.86	154.73	169.72	-152.05	1.09	-1.08	-14.40	
9,919.00	0.28	268.17	9,899.86	154.56	169.40	-151.89	0.28	0.04	62.51	
10,009.00	0.70	296.05	9,989.86	154.79	168.69	-152.13	0.52	0.47	30.98	
10,098.00	1.92	307.97	10,078.83	155.95	167.03	-153.31	1.40	1.37	13.39	
10,188.00	2.17	302.15	10,168.78	157.78	164.39	-155.19	0.36	0.28	-6.47	
10,278.00	1.85	292.34	10,258.72	159.24	161.61	-156.69	0.52	-0.36	-10.90	
10,368.00	1.16	336.95	10,348.69	160.63	159.91	-158.11	1.45	-0.77	49.57	
10,457.00	0.92	23.77	10,437.68	162.12	159.84	-159.59	0.96	-0.27	52.61	
10,547.00	0.91	349.50	10,527.67	163.48	160.00	-160.95	0.60	-0.01	-38.08	
10,636.00	0.61	25.42	10,616.66	164.60	160.08	-162.07	0.62	-0.34	40.36	
10,726.00	0.18	3.82	10,706.66	165.18	160.29	-162.64	0.50	-0.48	-24.00	
10,815.00	0.28	308.14	10,795.66	165.45	160.13	-162.92	0.26	0.11	-62.56	
10,905.00	0.77	306.34	10,885.65	165.95	159.47	-163.43	0.54	0.54	-2.00	
10,994.00	1.01	305.29	10,974.64	166.75	158.35	-164.25	0.27	0.27	-1.18	
11,083.00	1.05	273.74	11,063.63	167.26	156.90	-164.78	0.63	0.04	-35.45	
11,173.00	1.29	244.16	11,153.61	166.87	155.16	-164.42	0.71	0.27	-32.87	
11,262.00	1.50	245.87	11,242.59	165.96	153.20	-163.54	0.24	0.24	1.92	
11,351.00	1.30	220.69	11,331.56	164.72	151.47	-162.32	0.72	-0.22	-28.29	
11,399.00	1.40	222.26	11,379.55	163.87	150.73	-161.49	0.22	0.21	3.27	
11,498.00	1.94	219.96	11,478.50	161.69	148.84	-159.34	0.55	0.55	-2.32	
11,591.67	12.36	160.41	11,571.37	151.00	151.19	-148.61	12.27	11.12	-63.57	
FTP 100 FNL - 11591.67 MD 11571.37 TVD										
11,594.00	12.64	160.22	11,573.65	150.52	151.36	-148.13	12.27	12.14	-8.21	
11,690.00	29.29	159.93	11,662.98	118.35	163.05	-115.78	17.34	17.34	-0.30	
11,785.00	41.08	166.62	11,740.51	65.96	178.31	-63.15	13.04	12.41	7.04	
11,880.00	52.21	167.14	11,805.63	-1.22	193.94	4.26	11.72	11.72	0.55	
11,976.00	59.40	171.76	11,859.57	-79.22	208.32	82.47	8.48	7.49	4.81	
12,071.00	66.85	173.10	11,902.48	-163.16	219.45	166.58	7.94	7.84	1.41	
12,166.00	75.13	175.82	11,933.41	-252.48	228.06	256.02	9.13	8.72	2.86	
12,262.00	79.04	173.63	11,954.86	-345.63	236.67	349.29	4.64	4.07	-2.28	
12,357.00	85.46	176.85	11,967.67	-439.37	244.46	443.15	7.55	6.76	3.39	
12,453.00	88.66	176.68	11,972.59	-535.08	249.87	538.93	3.34	3.33	-0.18	
12,548.00	88.76	179.32	11,974.73	-629.99	253.18	633.88	2.78	0.11	2.78	
12,638.00	90.64	179.16	11,975.20	-719.98	254.37	723.88	2.10	2.09	-0.18	
12,728.00	90.27	177.99	11,974.49	-809.95	256.61	813.87	1.36	-0.41	-1.30	
12,817.00	91.64	176.23	11,973.00	-898.82	261.10	902.80	2.51	1.54	-1.98	
12,907.00	90.47	179.92	11,971.35	-988.73	264.12	992.75	4.30	-1.30	4.10	
12,996.00	89.87	178.45	11,971.08	-1,077.72	265.39	1,081.75	1.78	-0.67	-1.65	
13,086.00	89.70	176.61	11,971.42	-1,167.63	269.26	1,171.71	2.05	-0.19	-2.04	

Scientific Drilling, Intl

Survey Report

devon

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,176.00	90.27	179.43	11,971.44	-1,257.57	272.37	1,261.68	3.20	0.63	3.13
13,265.00	90.20	179.14	11,971.08	-1,346.56	273.48	1,350.68	0.34	-0.08	-0.33
13,355.00	90.03	178.99	11,970.90	-1,436.55	274.95	1,440.68	0.25	-0.19	-0.17
13,445.00	88.43	176.96	11,972.11	-1,526.48	278.13	1,530.65	2.87	-1.78	-2.26
13,535.00	88.69	178.45	11,974.37	-1,616.37	281.73	1,620.59	1.68	0.29	1.66
13,624.00	89.43	177.31	11,975.83	-1,705.30	285.03	1,709.56	1.53	0.83	-1.28
13,714.00	90.37	179.37	11,975.99	-1,795.25	287.63	1,799.54	2.52	1.04	2.29
13,803.00	89.66	180.71	11,975.96	-1,884.25	287.57	1,888.53	1.70	-0.80	1.51
13,893.00	89.13	179.34	11,976.91	-1,974.24	287.53	1,978.51	1.63	-0.59	-1.52
13,917.00	89.29	178.50	11,977.24	-1,998.24	287.98	2,002.51	3.56	0.67	-3.50
14,007.00	89.76	178.60	11,977.99	-2,088.21	290.26	2,092.50	0.53	0.52	0.11
14,096.00	90.24	178.55	11,977.99	-2,177.18	292.47	2,181.49	0.54	0.54	-0.06
14,186.00	91.92	178.15	11,976.29	-2,267.12	295.07	2,271.47	1.92	1.87	-0.44
14,275.00	91.78	180.38	11,973.42	-2,356.06	296.21	2,360.42	2.51	-0.16	2.51
14,365.00	92.08	181.18	11,970.39	-2,446.00	294.98	2,450.32	0.95	0.33	0.89
14,454.00	88.62	182.71	11,969.85	-2,534.93	291.96	2,539.20	4.25	-3.89	1.72
14,543.00	88.86	180.93	11,971.80	-2,623.86	289.14	2,628.07	2.02	0.27	-2.00
14,633.00	88.82	182.12	11,973.63	-2,713.81	286.74	2,717.97	1.32	-0.04	1.32
14,722.00	89.93	182.70	11,974.60	-2,802.72	283.00	2,806.82	1.41	1.25	0.65
14,812.00	88.62	183.11	11,975.74	-2,892.60	278.44	2,896.61	1.53	-1.46	0.46
14,902.00	87.92	182.65	11,978.45	-2,982.44	273.92	2,986.37	0.93	-0.78	-0.51
14,992.00	88.62	181.40	11,981.17	-3,072.34	270.74	3,076.21	1.59	0.78	-1.39
15,081.00	88.59	180.65	11,983.34	-3,161.30	269.15	3,165.13	0.84	-0.03	-0.84
15,171.00	89.39	180.50	11,984.92	-3,251.28	268.25	3,255.09	0.90	0.89	-0.17
15,260.00	89.40	179.89	11,985.86	-3,340.28	267.94	3,344.07	0.69	0.01	-0.69
15,350.00	89.43	179.20	11,986.78	-3,430.27	268.66	3,434.06	0.77	0.03	-0.77
15,440.00	88.29	178.55	11,988.57	-3,520.23	270.42	3,524.04	1.46	-1.27	-0.72
15,529.00	91.21	180.70	11,988.96	-3,609.22	271.01	3,613.02	4.07	3.28	2.42
15,619.00	91.01	180.75	11,987.22	-3,699.19	269.87	3,702.97	0.23	-0.22	0.06
15,709.00	91.48	180.81	11,985.26	-3,789.16	268.64	3,792.91	0.53	0.52	0.07
15,798.00	89.73	180.45	11,984.32	-3,878.15	267.66	3,881.87	2.01	-1.97	-0.40
15,888.00	88.92	181.03	11,985.38	-3,968.13	266.50	3,971.82	1.11	-0.90	0.64
15,977.00	89.06	179.62	11,986.95	-4,057.12	266.00	4,060.79	1.59	0.16	-1.58
16,067.00	88.15	179.34	11,989.14	-4,147.08	266.81	4,150.76	1.06	-1.01	-0.31
16,156.00	86.91	179.50	11,992.98	-4,236.00	267.71	4,239.67	1.40	-1.39	0.18
16,246.00	87.55	178.60	11,997.33	-4,325.88	269.20	4,329.56	1.23	0.71	-1.00
16,336.00	89.87	177.66	11,999.35	-4,415.80	272.14	4,419.52	2.78	2.58	-1.04
16,425.00	91.44	178.01	11,998.34	-4,504.73	275.50	4,508.49	1.81	1.76	0.39
16,515.00	90.84	177.46	11,996.54	-4,594.64	279.06	4,598.45	0.90	-0.67	-0.61
16,604.00	91.65	179.14	11,994.61	-4,683.57	281.70	4,687.41	2.10	0.91	1.89
16,694.00	91.48	179.78	11,992.15	-4,773.53	282.55	4,777.38	0.74	-0.19	0.71
16,783.00	92.02	180.41	11,989.43	-4,862.49	282.40	4,866.32	0.93	0.61	0.71
16,873.00	90.20	181.70	11,987.69	-4,952.45	280.74	4,956.25	2.48	-2.02	1.43



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,963.00	88.82	183.08	11,988.46	-5,042.37	276.99	5,046.09	2.17	-1.53	1.53
17,052.00	87.07	182.17	11,991.65	-5,131.21	272.92	5,134.86	2.22	-1.97	-1.02
17,142.00	86.20	181.88	11,996.93	-5,221.00	269.74	5,224.59	1.02	-0.97	-0.32
17,231.00	87.01	180.70	12,002.21	-5,309.82	267.74	5,313.36	1.61	0.91	-1.33
17,321.00	87.85	180.26	12,006.24	-5,399.73	266.99	5,403.25	1.05	0.93	-0.49
17,410.00	90.00	179.20	12,007.91	-5,488.70	267.41	5,492.22	2.69	2.42	-1.19
17,503.00	89.87	178.20	12,008.02	-5,581.68	269.52	5,585.22	1.08	-0.14	-1.08
17,589.00	89.33	176.97	12,008.62	-5,667.60	273.14	5,671.18	1.56	-0.63	-1.43
17,679.00	90.24	178.88	12,008.95	-5,757.53	276.40	5,761.16	2.35	1.01	2.12
17,769.00	90.07	178.52	12,008.71	-5,847.51	278.44	5,851.15	0.44	-0.19	-0.40
17,859.00	90.07	178.13	12,008.60	-5,937.47	281.07	5,941.15	0.43	0.00	-0.43
17,949.00	88.86	177.21	12,009.44	-6,027.39	284.73	6,031.11	1.69	-1.34	-1.02
18,038.00	89.26	177.75	12,010.90	-6,116.29	288.64	6,120.06	0.76	0.45	0.61
18,128.00	90.94	178.83	12,010.74	-6,206.25	291.33	6,210.05	2.22	1.87	1.20
18,217.00	91.18	181.24	12,009.10	-6,295.22	291.27	6,299.02	2.72	0.27	2.71
18,307.00	89.87	180.29	12,008.27	-6,385.21	290.07	6,388.97	1.80	-1.46	-1.06
18,397.00	90.17	179.06	12,008.24	-6,475.21	290.58	6,478.96	1.41	0.33	-1.37
18,486.00	89.80	178.23	12,008.27	-6,564.18	292.69	6,567.96	1.02	-0.42	-0.93
18,576.00	89.13	177.48	12,009.11	-6,654.11	296.06	6,657.93	1.12	-0.74	-0.83
18,666.00	88.86	178.71	12,010.68	-6,744.05	299.05	6,747.91	1.40	-0.30	1.37
18,755.00	88.72	178.51	12,012.56	-6,833.00	301.21	6,836.88	0.27	-0.16	-0.22
18,845.00	90.24	179.74	12,013.38	-6,922.98	302.58	6,926.87	2.17	1.69	1.37
18,934.00	89.16	179.38	12,013.85	-7,011.98	303.26	7,015.87	1.28	-1.21	-0.40
19,023.00	90.17	181.10	12,014.37	-7,100.97	302.89	7,104.84	2.24	1.13	1.93
19,113.00	89.83	180.48	12,014.37	-7,190.96	301.65	7,194.81	0.79	-0.38	-0.69
19,203.00	88.96	179.56	12,015.32	-7,280.95	301.62	7,284.79	1.41	-0.97	-1.02
19,292.00	87.31	180.50	12,018.21	-7,369.90	301.57	7,373.72	2.13	-1.85	1.06
19,382.00	88.96	180.14	12,021.14	-7,459.85	301.07	7,463.65	1.88	1.83	-0.40
19,471.00	90.03	179.87	12,021.93	-7,548.85	301.06	7,552.64	1.24	1.20	-0.30
19,561.00	89.26	178.10	12,022.48	-7,638.83	302.66	7,642.63	2.14	-0.86	-1.97
19,651.00	90.50	178.61	12,022.67	-7,728.79	305.24	7,732.62	1.49	1.38	0.57
19,740.00	90.74	179.72	12,021.71	-7,817.77	306.54	7,821.61	1.28	0.27	1.25
19,830.00	90.60	180.88	12,020.66	-7,907.76	306.07	7,911.59	1.30	-0.16	1.29
19,920.00	89.90	179.75	12,020.26	-7,997.76	305.57	8,001.56	1.48	-0.78	-1.26
20,009.00	89.83	180.45	12,020.47	-8,086.76	305.42	8,090.55	0.79	-0.08	0.79
20,099.00	89.73	180.03	12,020.82	-8,176.75	305.04	8,180.53	0.48	-0.11	-0.47
20,189.00	89.03	178.96	12,021.79	-8,266.74	305.83	8,270.52	1.42	-0.78	-1.19
20,278.00	89.03	180.49	12,023.30	-8,355.73	306.26	8,359.50	1.72	0.00	1.72
20,368.00	92.82	182.98	12,021.85	-8,445.65	303.54	8,449.37	5.04	4.21	2.77
20,458.00	92.42	182.84	12,017.73	-8,535.44	298.97	8,539.08	0.47	-0.44	-0.16
20,548.00	92.72	182.95	12,013.70	-8,625.23	294.43	8,628.79	0.35	0.33	0.12
20,637.00	89.76	182.86	12,011.77	-8,714.09	289.92	8,717.56	3.33	-3.33	-0.10
20,727.00	90.20	182.18	12,011.80	-8,804.00	285.97	8,807.40	0.90	0.49	-0.76



Scientific Drilling, Intl Survey Report

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Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,816.00	90.10	181.49	12,011.57	-8,892.96	283.12	8,896.30	0.78	-0.11	-0.78	
20,906.00	90.17	182.70	12,011.36	-8,982.89	279.83	8,986.18	1.35	0.08	1.34	
20,996.00	90.50	184.60	12,010.83	-9,072.71	274.10	9,075.89	2.14	0.37	2.11	
21,085.00	90.57	184.18	12,010.00	-9,161.44	267.28	9,164.50	0.48	0.08	-0.47	
21,443.00	89.27	186.90	12,010.50	-9,517.73	232.73	9,520.20	0.84	-0.36	0.76	
21,532.00	87.92	185.53	12,012.68	-9,606.17	223.09	9,608.49	2.16	-1.52	-1.54	
21,622.00	89.50	185.24	12,014.71	-9,695.75	214.65	9,697.92	1.78	1.76	-0.32	
21,712.00	90.24	184.82	12,014.91	-9,785.40	206.76	9,787.44	0.95	0.82	-0.47	
21,801.00	90.84	184.40	12,014.08	-9,874.11	199.61	9,876.03	0.82	0.67	-0.47	
21,890.00	91.61	184.52	12,012.17	-9,962.82	192.69	9,964.62	0.88	0.87	0.13	
21,980.00	92.12	183.82	12,009.24	-10,052.53	186.15	10,054.22	0.96	0.57	-0.78	
22,070.00	92.93	183.47	12,005.28	-10,142.26	180.43	10,143.84	0.98	0.90	-0.39	
22,134.00	92.93	183.47	12,002.01	-10,206.06	176.56	10,207.57	0.00	0.00	0.00	
LTP/Actual BH: 100 FSL 1023 FWL - 22134 MD 12002.01 TVD - Y-456663.50 X-731040.19 - 32.253953°N 103.719673°W										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,591.67	11,571.37	151.00	151.19	FTP 100 FNL	
11,591.67	11,571.37	151.00	151.19	11591.67 MD 11571.37 TVD	
22,134.00	12,002.01	-10,206.06	176.56	LTP/Actual BH: 100 FSL 1023 FWL	
22,134.00	12,002.01	-10,206.06	176.56	22134 MD 12002.01 TVD	
22,134.00	12,002.01	-10,206.06	176.56	Y-456663.50 X-731040.19	
22,134.00	12,002.01	-10,206.06	176.56	32.253953°N 103.719673°W	

Checked By: _____ Approved By: _____ Date: _____



Devon Energy

Lea County, NM (NAD83 NME)

Right Meow 30-31 Fed Com

Right Meow 30-31 Fed Com 621H

OH Wellbore

Design: As Drilled

Survey Report - Geographic

03 January, 2022



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Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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

Site						Right Meow 30-31 Fed Com, 621H Center											
Site Position:			Northing:			466,869.56 usft			Latitude:			32.282009					
From:			Map			Easting:			730,863.63 usft			Longitude:			-103.720056		
Position Uncertainty:			0.00 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.33 °		

Well	Right Meow 30-31 Fed Com 621H					
Well Position	+N/-S	0.00 usft	Northing:	466,869.56 usft	Latitude:	32.282009
	+E/-W	0.00 usft	Easting:	730,863.63 usft	Longitude:	-103.720056
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,619.00 usft	Ground Level:	3,593.00 usft

Wellbore	OH Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2021_FILE	11/22/2021	6.48	59.93	47,696.60000000

Design	As Drilled				
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	179.10	

Survey Program	Date	1/3/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
202.00	22,134.00	Survey #1 (OH Wellbore)	MWD+HDGM	OWSG MWD + HDGM	

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	466,869.56	730,863.63	32.282009	-103.720056
202.00	0.47	128.85	202.00	-0.52	0.65	466,869.04	730,864.27	32.282008	-103.720054
296.00	0.41	138.05	295.99	-1.01	1.17	466,868.55	730,864.80	32.282007	-103.720052
389.00	0.51	125.42	388.99	-1.50	1.73	466,868.06	730,865.36	32.282005	-103.720050
482.00	0.47	141.46	481.99	-2.04	2.30	466,867.52	730,865.93	32.282004	-103.720049
575.00	0.66	146.29	574.98	-2.78	2.84	466,866.78	730,866.47	32.282002	-103.720047
669.00	0.68	160.80	668.98	-3.76	3.32	466,865.80	730,866.95	32.281999	-103.720045
764.00	0.66	174.69	763.97	-4.84	3.56	466,864.72	730,867.19	32.281996	-103.720045
859.00	0.64	193.54	858.97	-5.90	3.49	466,863.66	730,867.11	32.281993	-103.720045
955.00	0.79	196.47	954.96	-7.05	3.17	466,862.51	730,866.80	32.281990	-103.720046
1,114.00	0.64	203.93	1,113.95	-8.91	2.50	466,860.65	730,866.13	32.281985	-103.720048
1,178.00	0.62	200.80	1,177.94	-9.57	2.23	466,860.00	730,865.86	32.281983	-103.720049



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,273.00	0.67	213.26	1,272.94	-10.51	1.75	466,859.05	730,865.37	32.281981	-103.720051
1,369.00	0.66	217.64	1,368.93	-11.42	1.10	466,858.14	730,864.73	32.281978	-103.720053
1,464.00	0.78	237.95	1,463.92	-12.19	0.22	466,857.37	730,863.85	32.281976	-103.720055
1,560.00	0.86	222.64	1,559.91	-13.07	-0.82	466,856.49	730,862.80	32.281974	-103.720059
1,655.00	0.81	227.63	1,654.90	-14.05	-1.80	466,855.51	730,861.82	32.281971	-103.720062
1,750.00	0.71	209.90	1,749.89	-15.01	-2.59	466,854.55	730,861.04	32.281968	-103.720065
1,846.00	0.62	210.18	1,845.89	-15.97	-3.15	466,853.59	730,860.48	32.281966	-103.720066
1,941.00	0.95	214.99	1,940.88	-17.06	-3.86	466,852.50	730,859.77	32.281963	-103.720069
2,037.00	1.06	217.81	2,036.86	-18.42	-4.86	466,851.14	730,858.77	32.281959	-103.720072
2,132.00	0.87	226.59	2,131.85	-19.61	-5.92	466,849.95	730,857.70	32.281956	-103.720075
2,228.00	0.96	224.65	2,227.84	-20.68	-7.02	466,848.88	730,856.61	32.281953	-103.720079
2,323.00	0.81	225.88	2,322.83	-21.71	-8.06	466,847.85	730,855.57	32.281950	-103.720082
2,418.00	0.82	224.60	2,417.82	-22.67	-9.02	466,846.89	730,854.61	32.281947	-103.720086
2,514.00	0.65	229.22	2,513.81	-23.51	-9.91	466,846.05	730,853.71	32.281945	-103.720088
2,609.00	0.30	41.34	2,608.81	-23.68	-10.16	466,845.88	730,853.47	32.281945	-103.720089
2,705.00	1.34	48.07	2,704.80	-22.74	-9.15	466,846.82	730,854.47	32.281947	-103.720086
2,800.00	2.96	46.62	2,799.73	-20.31	-6.55	466,849.25	730,857.08	32.281954	-103.720078
2,895.00	3.97	43.03	2,894.55	-16.22	-2.52	466,853.34	730,861.11	32.281965	-103.720064
2,990.00	5.07	41.58	2,989.25	-10.68	2.51	466,858.88	730,866.14	32.281980	-103.720048
3,085.00	6.43	45.08	3,083.77	-3.78	9.06	466,865.78	730,872.69	32.281999	-103.720027
3,181.00	7.64	46.17	3,179.05	4.43	17.47	466,874.00	730,881.10	32.282021	-103.719999
3,277.00	7.79	44.77	3,274.18	13.47	26.66	466,883.03	730,890.29	32.282046	-103.719969
3,372.00	7.56	43.25	3,368.33	22.60	35.48	466,892.16	730,899.10	32.282071	-103.719941
3,467.00	6.92	44.06	3,462.57	31.26	43.74	466,900.82	730,907.36	32.282095	-103.719914
3,563.00	6.31	44.92	3,557.93	39.15	51.49	466,908.71	730,915.11	32.282116	-103.719889
3,659.00	7.11	45.52	3,653.27	47.05	59.45	466,916.61	730,923.08	32.282138	-103.719863
3,754.00	7.57	45.18	3,747.50	55.58	68.08	466,925.14	730,931.71	32.282161	-103.719835
3,849.00	6.90	48.50	3,841.74	63.77	76.80	466,933.33	730,940.42	32.282184	-103.719806
3,944.00	6.90	58.37	3,936.05	70.55	85.93	466,940.11	730,949.56	32.282202	-103.719777
4,039.00	7.23	66.28	4,030.34	75.94	96.26	466,945.50	730,959.89	32.282217	-103.719743
4,135.00	7.23	64.57	4,125.57	80.97	107.25	466,950.53	730,970.87	32.282230	-103.719707
4,230.00	7.98	64.05	4,219.74	86.42	118.58	466,955.98	730,982.20	32.282245	-103.719671
4,325.00	7.92	61.95	4,313.82	92.38	130.28	466,961.94	730,993.91	32.282261	-103.719633
4,421.00	7.33	50.14	4,408.98	99.42	140.82	466,968.98	731,004.45	32.282280	-103.719598
4,517.00	6.65	41.10	4,504.27	107.53	149.18	466,977.09	731,012.80	32.282303	-103.719571
4,612.00	5.78	40.17	4,598.71	115.33	155.88	466,984.90	731,019.50	32.282324	-103.719549
4,708.00	5.75	39.21	4,694.22	122.75	162.04	466,992.32	731,025.66	32.282344	-103.719529
4,803.00	5.85	37.67	4,788.74	130.27	168.00	466,999.83	731,031.63	32.282365	-103.719510
4,899.00	6.05	36.69	4,884.22	138.20	174.02	467,007.76	731,037.64	32.282387	-103.719490
4,994.00	5.90	35.68	4,978.70	146.18	179.85	467,015.74	731,043.48	32.282408	-103.719471
5,090.00	5.62	34.45	5,074.22	154.07	185.39	467,023.63	731,049.02	32.282430	-103.719453
5,186.00	5.26	34.43	5,169.79	161.57	190.54	467,031.13	731,054.16	32.282451	-103.719436
5,281.00	5.07	33.07	5,264.40	168.68	195.29	467,038.24	731,058.92	32.282470	-103.719421
5,376.00	5.06	32.42	5,359.03	175.74	199.83	467,045.30	731,063.45	32.282489	-103.719406
5,471.00	4.52	27.85	5,453.70	182.58	203.82	467,052.14	731,067.45	32.282508	-103.719393
5,567.00	3.68	21.35	5,549.45	188.80	206.71	467,058.36	731,070.34	32.282525	-103.719384
5,662.00	3.13	22.29	5,644.28	194.04	208.80	467,063.60	731,072.43	32.282540	-103.719377
5,757.00	1.78	13.95	5,739.20	197.87	210.14	467,067.43	731,073.77	32.282550	-103.719372
5,853.00	1.06	347.00	5,835.17	200.18	210.30	467,069.74	731,073.93	32.282556	-103.719372
5,949.00	1.29	356.50	5,931.15	202.13	210.04	467,071.69	731,073.66	32.282562	-103.719373
6,044.00	1.32	352.60	6,026.12	204.28	209.83	467,073.84	731,073.46	32.282568	-103.719373
6,140.00	1.50	344.10	6,122.09	206.58	209.35	467,076.14	731,072.97	32.282574	-103.719375
6,234.00	1.43	346.86	6,216.06	208.91	208.74	467,078.47	731,072.37	32.282580	-103.719377
6,330.00	1.09	356.95	6,312.04	210.99	208.42	467,080.55	731,072.05	32.282586	-103.719378
6,425.00	1.09	358.97	6,407.02	212.79	208.36	467,082.35	731,071.98	32.282591	-103.719378



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,520.00	0.71	294.13	6,502.01	213.94	207.80	467,083.50	731,071.43	32.282594	-103.719380
6,616.00	0.88	267.02	6,598.00	214.14	206.52	467,083.70	731,070.15	32.282595	-103.719384
6,710.00	0.81	263.38	6,691.99	214.03	205.14	467,083.59	731,068.77	32.282595	-103.719388
6,806.00	1.19	264.15	6,787.98	213.85	203.48	467,083.41	731,067.10	32.282594	-103.719394
6,901.00	1.42	265.11	6,882.95	213.65	201.32	467,083.21	731,064.95	32.282594	-103.719401
6,996.00	1.64	251.84	6,977.92	213.12	198.86	467,082.68	731,062.49	32.282592	-103.719409
7,092.00	1.59	247.36	7,073.88	212.18	196.32	467,081.74	731,059.95	32.282590	-103.719417
7,188.00	1.89	242.86	7,169.84	210.95	193.69	467,080.51	731,057.31	32.282586	-103.719425
7,283.00	1.85	242.85	7,264.79	209.53	190.93	467,079.09	731,054.55	32.282582	-103.719434
7,378.00	1.72	241.38	7,359.74	208.15	188.31	467,077.71	731,051.94	32.282579	-103.719443
7,474.00	1.89	234.25	7,455.69	206.53	185.76	467,076.10	731,049.39	32.282574	-103.719451
7,569.00	1.61	235.46	7,550.65	204.86	183.39	467,074.42	731,047.02	32.282570	-103.719459
7,665.00	1.95	225.10	7,646.60	202.95	181.12	467,072.51	731,044.75	32.282564	-103.719466
7,761.00	2.00	231.20	7,742.54	200.74	178.66	467,070.30	731,042.29	32.282558	-103.719474
7,856.00	1.47	223.80	7,837.50	198.82	176.53	467,068.39	731,040.15	32.282553	-103.719481
7,952.00	1.38	224.17	7,933.47	197.11	174.87	467,066.67	731,038.49	32.282548	-103.719487
8,047.00	1.55	226.28	8,028.44	195.40	173.14	467,064.96	731,036.77	32.282544	-103.719492
8,143.00	1.07	188.57	8,124.42	193.61	172.07	467,063.17	731,035.70	32.282539	-103.719496
8,238.00	0.95	171.29	8,219.40	191.96	172.06	467,061.52	731,035.68	32.282534	-103.719496
8,332.00	0.98	180.17	8,313.39	190.38	172.17	467,059.95	731,035.80	32.282530	-103.719495
8,427.00	1.21	161.41	8,408.37	188.62	172.49	467,058.18	731,036.12	32.282525	-103.719494
8,523.00	0.85	167.54	8,504.36	186.97	172.97	467,056.53	731,036.59	32.282521	-103.719493
8,618.00	1.71	167.04	8,599.33	184.90	173.44	467,054.46	731,037.06	32.282515	-103.719491
8,713.00	1.67	179.14	8,694.29	182.13	173.78	467,051.69	731,037.40	32.282507	-103.719490
8,809.00	1.77	175.84	8,790.25	179.25	173.90	467,048.81	731,037.53	32.282499	-103.719490
8,905.00	1.57	167.28	8,886.21	176.49	174.30	467,046.05	731,037.93	32.282492	-103.719489
9,000.00	1.85	157.03	8,981.16	173.81	175.19	467,043.37	731,038.81	32.282484	-103.719486
9,095.00	1.54	155.93	9,076.12	171.23	176.31	467,040.79	731,039.93	32.282477	-103.719482
9,190.00	1.21	175.12	9,171.10	169.07	176.91	467,038.63	731,040.54	32.282471	-103.719480
9,286.00	1.14	186.35	9,267.08	167.11	176.89	467,036.67	731,040.52	32.282466	-103.719481
9,381.00	1.48	193.28	9,362.05	164.98	176.51	467,034.54	731,040.13	32.282460	-103.719482
9,471.00	1.93	210.20	9,452.01	162.53	175.48	467,032.10	731,039.10	32.282453	-103.719485
9,561.00	1.96	214.57	9,541.96	159.96	173.84	467,029.52	731,037.47	32.282446	-103.719491
9,650.00	1.98	216.45	9,630.91	157.47	172.06	467,027.03	731,035.69	32.282440	-103.719496
9,740.00	1.20	224.73	9,720.87	155.55	170.48	467,025.11	731,034.10	32.282434	-103.719501
9,829.00	0.24	211.91	9,809.86	154.73	169.72	467,024.29	731,033.35	32.282432	-103.719504
9,919.00	0.28	268.17	9,899.86	154.56	169.40	467,024.12	731,033.03	32.282432	-103.719505
10,009.00	0.70	296.05	9,989.86	154.79	168.69	467,024.35	731,032.32	32.282432	-103.719507
10,098.00	1.92	307.97	10,078.83	155.95	167.03	467,025.51	731,030.65	32.282435	-103.719513
10,188.00	2.17	302.15	10,168.78	157.78	164.39	467,027.35	731,028.02	32.282441	-103.719521
10,278.00	1.85	292.34	10,258.72	159.24	161.61	467,028.80	731,025.23	32.282445	-103.719530
10,368.00	1.16	336.95	10,348.69	160.63	159.91	467,030.19	731,023.53	32.282448	-103.719536
10,457.00	0.92	23.77	10,437.68	162.12	159.84	467,031.68	731,023.47	32.282453	-103.719536
10,547.00	0.91	349.50	10,527.67	163.48	160.00	467,033.04	731,023.63	32.282456	-103.719535
10,636.00	0.61	25.42	10,616.66	164.60	160.08	467,034.16	731,023.70	32.282459	-103.719535
10,726.00	0.18	3.82	10,706.66	165.18	160.29	467,034.74	731,023.92	32.282461	-103.719534
10,815.00	0.28	308.14	10,795.66	165.45	160.13	467,035.01	731,023.76	32.282462	-103.719535
10,905.00	0.77	306.34	10,885.65	165.95	159.47	467,035.51	731,023.10	32.282463	-103.719537
10,994.00	1.01	305.29	10,974.64	166.75	158.35	467,036.31	731,021.98	32.282465	-103.719541
11,083.00	1.05	273.74	11,063.63	167.26	156.90	467,036.82	731,020.52	32.282467	-103.719545
11,173.00	1.29	244.16	11,153.61	166.87	155.16	467,036.43	731,018.79	32.282466	-103.719551
11,262.00	1.50	245.87	11,242.59	165.96	153.20	467,035.52	731,016.82	32.282463	-103.719557
11,351.00	1.30	220.69	11,331.56	164.72	151.47	467,034.28	731,015.10	32.282460	-103.719563
11,399.00	1.40	222.26	11,379.55	163.87	150.73	467,033.43	731,014.35	32.282457	-103.719565
11,498.00	1.94	219.96	11,478.50	161.69	148.84	467,031.25	731,012.46	32.282452	-103.719571



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,591.67	12.36	160.41	11,571.37	151.00	151.19	467,020.56	731,014.81	32.282422	-103.719564
FTP 100 FNL - 11591.67 MD 11571.37 TVD									
11,594.00	12.64	160.22	11,573.65	150.52	151.36	467,020.08	731,014.98	32.282421	-103.719563
11,690.00	29.29	159.93	11,662.98	118.35	163.05	466,987.91	731,026.68	32.282332	-103.719526
11,785.00	41.08	166.62	11,740.51	65.96	178.31	466,935.52	731,041.93	32.282188	-103.719478
11,880.00	52.21	167.14	11,805.63	-1.22	193.94	466,868.34	731,057.56	32.282003	-103.719428
11,976.00	59.40	171.76	11,859.57	-79.22	208.32	466,790.34	731,071.95	32.281788	-103.719383
12,071.00	66.85	173.10	11,902.48	-163.16	219.45	466,706.40	731,083.07	32.281557	-103.719349
12,166.00	75.13	175.82	11,933.41	-252.48	228.06	466,617.08	731,091.68	32.281312	-103.719323
12,262.00	79.04	173.63	11,954.86	-345.63	236.67	466,523.93	731,100.30	32.281056	-103.719297
12,357.00	85.46	176.85	11,967.67	-439.37	244.46	466,430.19	731,108.08	32.280798	-103.719273
12,453.00	88.66	176.68	11,972.59	-535.08	249.87	466,334.48	731,113.49	32.280535	-103.719257
12,548.00	88.76	179.32	11,974.73	-629.99	253.18	466,239.57	731,116.81	32.280274	-103.719248
12,638.00	90.64	179.16	11,975.20	-719.98	254.37	466,149.58	731,118.00	32.280026	-103.719246
12,728.00	90.27	177.99	11,974.49	-809.95	256.61	466,059.61	731,120.24	32.279779	-103.719241
12,817.00	91.64	176.23	11,973.00	-898.82	261.10	465,970.74	731,124.72	32.279535	-103.719228
12,907.00	90.47	179.92	11,971.35	-988.73	264.12	465,880.83	731,127.75	32.279288	-103.719220
12,996.00	89.87	178.45	11,971.08	-1,077.72	265.39	465,791.84	731,129.01	32.279043	-103.719217
13,086.00	89.70	176.61	11,971.42	-1,167.63	269.26	465,701.93	731,132.89	32.278796	-103.719206
13,176.00	90.27	179.43	11,971.44	-1,257.57	272.37	465,611.99	731,136.00	32.278548	-103.719198
13,265.00	90.20	179.14	11,971.08	-1,346.56	273.48	465,523.00	731,137.11	32.278304	-103.719196
13,355.00	90.03	178.99	11,970.90	-1,436.55	274.95	465,433.01	731,138.58	32.278056	-103.719193
13,445.00	88.43	176.96	11,972.11	-1,526.48	278.13	465,343.08	731,141.76	32.277809	-103.719184
13,535.00	88.69	178.45	11,974.37	-1,616.37	281.73	465,253.19	731,145.36	32.277562	-103.719174
13,624.00	89.43	177.31	11,975.83	-1,705.30	285.03	465,164.26	731,148.65	32.277318	-103.719165
13,714.00	90.37	179.37	11,975.99	-1,795.25	287.63	465,074.31	731,151.26	32.277070	-103.719159
13,803.00	89.66	180.71	11,975.96	-1,884.25	287.57	464,985.31	731,151.20	32.276826	-103.719160
13,893.00	89.13	179.34	11,976.91	-1,974.24	287.53	464,895.32	731,151.16	32.276578	-103.719162
13,917.00	89.29	178.50	11,977.24	-1,998.24	287.98	464,871.32	731,151.61	32.276512	-103.719161
14,007.00	89.76	178.60	11,977.99	-2,088.21	290.26	464,781.35	731,153.89	32.276265	-103.719155
14,096.00	90.24	178.55	11,977.99	-2,177.18	292.47	464,692.38	731,156.10	32.276020	-103.719150
14,186.00	91.92	178.15	11,976.29	-2,267.12	295.07	464,602.44	731,158.69	32.275773	-103.719143
14,275.00	91.78	180.38	11,973.42	-2,356.06	296.21	464,513.50	731,159.83	32.275529	-103.719141
14,365.00	92.08	181.18	11,970.39	-2,446.00	294.98	464,423.56	731,158.61	32.275281	-103.719147
14,454.00	88.62	182.71	11,969.85	-2,534.93	291.96	464,334.63	731,155.59	32.275037	-103.719158
14,543.00	88.86	180.93	11,971.80	-2,623.86	289.14	464,245.70	731,152.76	32.274793	-103.719169
14,633.00	88.82	182.12	11,973.63	-2,713.81	286.74	464,155.75	731,150.37	32.274545	-103.719178
14,722.00	89.93	182.70	11,974.60	-2,802.72	283.00	464,066.84	731,146.63	32.274301	-103.719192
14,812.00	88.62	183.11	11,975.74	-2,892.60	278.44	463,976.96	731,142.06	32.274054	-103.719209
14,902.00	87.92	182.65	11,978.45	-2,982.44	273.92	463,887.12	731,137.55	32.273807	-103.719225
14,992.00	88.62	181.40	11,981.17	-3,072.34	270.74	463,797.22	731,134.37	32.273560	-103.719237
15,081.00	88.59	180.65	11,983.34	-3,161.30	269.15	463,708.26	731,132.77	32.273316	-103.719244
15,171.00	89.39	180.50	11,984.92	-3,251.28	268.25	463,618.28	731,131.87	32.273068	-103.719248
15,260.00	89.40	179.89	11,985.86	-3,340.28	267.94	463,529.28	731,131.57	32.272824	-103.719251
15,350.00	89.43	179.20	11,986.78	-3,430.27	268.66	463,439.29	731,132.28	32.272576	-103.719250
15,440.00	88.29	178.55	11,988.57	-3,520.23	270.42	463,349.33	731,134.05	32.272329	-103.719246
15,529.00	91.21	180.70	11,988.96	-3,609.22	271.01	463,260.34	731,134.63	32.272084	-103.719246
15,619.00	91.01	180.75	11,987.22	-3,699.19	269.87	463,170.37	731,133.49	32.271837	-103.719251
15,709.00	91.48	180.81	11,985.26	-3,789.16	268.64	463,080.40	731,132.27	32.271590	-103.719257
15,798.00	89.73	180.45	11,984.32	-3,878.15	267.66	462,991.41	731,131.29	32.271345	-103.719262
15,888.00	88.92	181.03	11,985.38	-3,968.13	266.50	462,901.43	731,130.13	32.271098	-103.719267
15,977.00	89.06	179.62	11,986.95	-4,057.12	266.00	462,812.44	731,129.62	32.270853	-103.719270
16,067.00	88.15	179.34	11,989.14	-4,147.08	266.81	462,722.48	731,130.44	32.270606	-103.719269
16,156.00	86.91	179.50	11,992.98	-4,236.00	267.71	462,633.57	731,131.34	32.270362	-103.719268
16,246.00	87.55	178.60	11,997.33	-4,325.88	269.20	462,543.68	731,132.83	32.270115	-103.719265



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,336.00	89.87	177.66	11,999.35	-4,415.80	272.14	462,453.76	731,135.77	32.269867	-103.719257
16,425.00	91.44	178.01	11,998.34	-4,504.73	275.50	462,364.83	731,139.13	32.269623	-103.719248
16,515.00	90.84	177.46	11,996.54	-4,594.64	279.06	462,274.92	731,142.69	32.269376	-103.719238
16,604.00	91.65	179.14	11,994.61	-4,683.57	281.70	462,185.99	731,145.32	32.269131	-103.719231
16,694.00	91.48	179.78	11,992.15	-4,773.53	282.55	462,096.03	731,146.17	32.268884	-103.719230
16,783.00	92.02	180.41	11,989.43	-4,862.49	282.40	462,007.07	731,146.03	32.268639	-103.719232
16,873.00	90.20	181.70	11,987.69	-4,952.45	280.74	461,917.11	731,144.37	32.268392	-103.719239
16,963.00	88.82	183.08	11,988.46	-5,042.37	276.99	461,827.19	731,140.62	32.268145	-103.719253
17,052.00	87.07	182.17	11,991.65	-5,131.21	272.92	461,738.35	731,136.54	32.267901	-103.719268
17,142.00	86.20	181.88	11,996.93	-5,221.00	269.74	461,648.56	731,133.37	32.267654	-103.719280
17,231.00	87.01	180.70	12,002.21	-5,309.82	267.74	461,559.74	731,131.37	32.267410	-103.719288
17,321.00	87.85	180.26	12,006.24	-5,399.73	266.99	461,469.83	731,130.61	32.267163	-103.719292
17,410.00	90.00	179.20	12,007.91	-5,488.70	267.41	461,380.86	731,131.03	32.266918	-103.719292
17,503.00	89.87	178.20	12,008.02	-5,581.68	269.52	461,287.88	731,133.14	32.266663	-103.719287
17,589.00	89.33	176.97	12,008.62	-5,667.60	273.14	461,201.96	731,136.77	32.266426	-103.719277
17,679.00	90.24	178.88	12,008.95	-5,757.53	276.40	461,112.03	731,140.03	32.266179	-103.719268
17,769.00	90.07	178.52	12,008.71	-5,847.51	278.44	461,022.05	731,142.07	32.265932	-103.719263
17,859.00	90.07	178.13	12,008.60	-5,937.47	281.07	460,932.09	731,144.70	32.265685	-103.719256
17,949.00	88.86	177.21	12,009.44	-6,027.39	284.73	460,842.17	731,148.36	32.265437	-103.719246
18,038.00	89.26	177.75	12,010.90	-6,116.29	288.64	460,753.27	731,152.27	32.265193	-103.719235
18,128.00	90.94	178.83	12,010.74	-6,206.25	291.33	460,663.31	731,154.96	32.264946	-103.719228
18,217.00	91.18	181.24	12,009.10	-6,295.22	291.27	460,574.34	731,154.90	32.264701	-103.719230
18,307.00	89.87	180.29	12,008.27	-6,385.21	290.07	460,484.35	731,153.70	32.264454	-103.719236
18,397.00	90.17	179.06	12,008.24	-6,475.21	290.58	460,394.35	731,154.21	32.264206	-103.719236
18,486.00	89.80	178.23	12,008.27	-6,564.18	292.69	460,305.38	731,156.31	32.263962	-103.719230
18,576.00	89.13	177.48	12,009.11	-6,654.11	296.06	460,215.45	731,159.68	32.263714	-103.719221
18,666.00	88.86	178.71	12,010.68	-6,744.05	299.05	460,125.51	731,162.67	32.263467	-103.719213
18,755.00	88.72	178.51	12,012.56	-6,833.00	301.21	460,036.56	731,164.83	32.263223	-103.719208
18,845.00	90.24	179.74	12,013.38	-6,922.98	302.58	459,946.58	731,166.21	32.262975	-103.719205
18,934.00	89.16	179.38	12,013.85	-7,011.98	303.26	459,857.58	731,166.89	32.262731	-103.719205
19,023.00	90.17	181.10	12,014.37	-7,100.97	302.89	459,768.59	731,166.52	32.262486	-103.719207
19,113.00	89.83	180.48	12,014.37	-7,190.96	301.65	459,678.60	731,165.28	32.262239	-103.719213
19,203.00	88.96	179.56	12,015.32	-7,280.95	301.62	459,588.61	731,165.25	32.261991	-103.719215
19,292.00	87.31	180.50	12,018.21	-7,369.90	301.57	459,499.66	731,165.20	32.261747	-103.719217
19,382.00	88.96	180.14	12,021.14	-7,459.85	301.07	459,409.71	731,164.70	32.261500	-103.719220
19,471.00	90.03	179.87	12,021.93	-7,548.85	301.06	459,320.72	731,164.69	32.261255	-103.719222
19,561.00	89.26	178.10	12,022.48	-7,638.83	302.66	459,230.74	731,166.28	32.261008	-103.719218
19,651.00	90.50	178.61	12,022.67	-7,728.79	305.24	459,140.77	731,168.87	32.260760	-103.719211
19,740.00	90.74	179.72	12,021.71	-7,817.77	306.54	459,051.79	731,170.16	32.260516	-103.719209
19,830.00	90.60	180.88	12,020.66	-7,907.76	306.07	458,961.80	731,169.69	32.260268	-103.719212
19,920.00	89.90	179.75	12,020.26	-7,997.76	305.57	458,871.80	731,169.20	32.260021	-103.719215
20,009.00	89.83	180.45	12,020.47	-8,086.76	305.42	458,782.80	731,169.04	32.259776	-103.719217
20,099.00	89.73	180.03	12,020.82	-8,176.75	305.04	458,692.81	731,168.67	32.259529	-103.719220
20,189.00	89.03	178.96	12,021.79	-8,266.74	305.83	458,602.82	731,169.46	32.259282	-103.719219
20,278.00	89.03	180.49	12,023.30	-8,355.73	306.26	458,513.83	731,169.89	32.259037	-103.719220
20,368.00	92.82	182.98	12,021.85	-8,445.65	303.54	458,423.91	731,167.16	32.258790	-103.719230
20,458.00	92.42	182.84	12,017.73	-8,535.44	298.97	458,334.12	731,162.60	32.258543	-103.719247
20,548.00	92.72	182.95	12,013.70	-8,625.23	294.43	458,244.33	731,158.06	32.258296	-103.719263
20,637.00	89.76	182.86	12,011.77	-8,714.09	289.92	458,155.47	731,153.55	32.258052	-103.719279
20,727.00	90.20	182.18	12,011.80	-8,804.00	285.97	458,065.56	731,149.59	32.257805	-103.719294
20,816.00	90.10	181.49	12,011.57	-8,892.96	283.12	457,976.60	731,146.74	32.257561	-103.719305
20,906.00	90.17	182.70	12,011.36	-8,982.89	279.83	457,886.67	731,143.45	32.257313	-103.719317
20,996.00	90.50	184.60	12,010.83	-9,072.71	274.10	457,796.86	731,137.72	32.257067	-103.719337
21,085.00	90.57	184.18	12,010.00	-9,161.44	267.28	457,708.12	731,130.91	32.256823	-103.719361
21,443.00	89.27	186.90	12,010.50	-9,517.73	232.73	457,351.83	731,096.35	32.255844	-103.719479



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 621H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3593 GL 26 KB @ 3619.00usft
Well:	Right Meow 30-31 Fed Com 621H	North Reference:	Grid
Wellbore:	OH Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,532.00	87.92	185.53	12,012.68	-9,606.17	223.09	457,263.39	731,086.72	32.255601	-103.719512
21,622.00	89.50	185.24	12,014.71	-9,695.75	214.65	457,173.81	731,078.28	32.255355	-103.719541
21,712.00	90.24	184.82	12,014.91	-9,785.40	206.76	457,084.16	731,070.39	32.255109	-103.719568
21,801.00	90.84	184.40	12,014.08	-9,874.11	199.61	456,995.45	731,063.23	32.254865	-103.719593
21,890.00	91.61	184.52	12,012.17	-9,962.82	192.69	456,906.74	731,056.31	32.254621	-103.719617
21,980.00	92.12	183.82	12,009.24	-10,052.53	186.15	456,817.03	731,049.77	32.254375	-103.719640
22,070.00	92.93	183.47	12,005.28	-10,142.26	180.43	456,727.30	731,044.06	32.254128	-103.719660
22,134.00	92.93	183.47	12,002.01	-10,206.06	176.56	456,663.50	731,040.19	32.253953	-103.719674
LTP/Actual BH: 100 FSL 1023 FWL - 22134 MD 12002.01 TVD - Y-456663.50 X-731040.19 - 32.253953°N 103.719673°W									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,591.67	11,571.37	151.00	151.19	FTP 100 FNL	
11,591.67	11,571.37	151.00	151.19	11591.67 MD 11571.37 TVD	
22,134.00	12,002.01	-10,206.06	176.56	LTP/Actual BH: 100 FSL 1023 FWL	
22,134.00	12,002.01	-10,206.06	176.56	22134 MD 12002.01 TVD	
22,134.00	12,002.01	-10,206.06	176.56	Y-456663.50 X-731040.19	
22,134.00	12,002.01	-10,206.06	176.56	32.253953°N 103.719673°W	

Checked By: _____ Approved By: _____ Date: _____

Permit Plan

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. 30-025-48448
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 Right Meow 30-31 Fed Com
4. Well Location Unit Letter <u>1</u> (lot) <u>:</u> <u>250</u> feet from the <u>North</u> line and <u>900</u> feet from the <u>West</u> line Section <u>30</u> Township <u>23S</u> Range <u>32E</u> NMPM County <u>Lea</u>		8. Well Number 621H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3593.4'		9. OGRID Number 6137
		10. Pool name or Wildcat WC-025 G-08 S243217P; UPR WOLFCAMP

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
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.

3/22/22-5/2/22: MIRU WL & PT. TIH & ran CBL, found TOC @ 5650'. PT csg for 30min, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 12338' - 22104', total 1480 holes. Frac totals 25,619,014# proppant, 48 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD w/ float collar 22,116' MD/12,003' TVD. CHC, FWB, ND BOP. Tubing will be run at later date. TOP.

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

SIGNATURE Shayda Omoumi TITLE Regulatory Compliance Associate DATE 5/16/2022

Type or print name Shayda Omoumi E-mail address: shayda.omoumi@dmr.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 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 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. 30-025-48448								
		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 Right Meow 30-31 Fed Com				
						6. Well Number: 621H				
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 WC-025 G-08 S243217P; UPR WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:		30	23S	32E	1	250	North	900	West	Lea
BH:		31	23S	32E	4	103	South	1022	West	Lea
13. Date Spudded 12/8/21	14. Date T.D. Reached 12/31/21	15. Date Rig Released 1/2/22		16. Date Completed (Ready to Produce) 5/2/22		17. Elevations (DF and RKB, RT, GR, etc.) 3593.4' GL				
18. Total Measured Depth of Well 22134 MD, 12002 TVD		19. Plug Back Measured Depth 22,116 MD/12,003 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 12338-22104, UPR WOLFCAMP										
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		1083		17-1/2"		894 sx OTHER; circ 423 sx		
8-5/8"		32		11445		9-7/8"		729 sx CIC; circ 0		
5-1/2"		20		22119		7-7/8"		1483 sx CH; circ 0		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE	DEPTH SET	PACKER SET		
26. Perforation record (interval, size, and number) 12338 - 22104, total 1480 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 12338-22104 Acidize and frac in 43 stages. See detailed summary attached.				
28. PRODUCTION										
Date First Production 5/2/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 5/10/22	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2523	Gas - MCF 48	Water - Bbl 6638	Gas - Oil Ratio 19.02497027			
Flow Tubing Press. psi	Casing Pressure 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 Associate		Date 5/16/2022				
E-mail Address shayda.omoumi@dvn.com										

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 107341

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 107341
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 107341

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 107341
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/10/2024