

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 30-025-48450	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 711H

II. ¹⁰ Surface Location

UI 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	840	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		100	South	382	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				

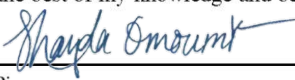
III. Oil and Gas Transporters

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 12/6/21	²² Ready Date 5/2/22	²³ TD 22360	²⁴ PBDT 22,342 MD/12,176 TVD	²⁵ Perforations 12280 - 22330	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"	11627	609 sx CLC; Circ 0		
7-7/8"	5-1/2"	22345	1487 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 2960 bbl	³⁹ Water 5290 bbl	⁴⁰ Gas 55 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@dv.n.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 30-025-48450	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 711H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3591.6

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	840	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		100	SOUTH	382	WEST	LEA

¹² Dedicated Acres 691.6	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Shayda Omoumi</u> Date: <u>5/5/2022</u> Printed Name: <u>Shayda Omoumi</u> E-mail Address: <u>shayda.omoumi@dvn.com</u> 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: <u>APRIL 21, 2022</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: <u>12797</u> Survey No. <u>8259</u>
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Intent ☐ As Drilled ☒

API # 30-025-48450		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: RIGHT MEOW 30-31 FED COM	Well Number 711H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
1	30	23S	32E		66	NORTH	350	WEST	LEA
Latitude 32.2825068					Longitude 103.7218363				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
1	30	23S	32E		398	NORTH	435	WEST	LEA
Latitude 32.2815952					Longitude 103.7215608				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
4	31	23S	32E		130	SOUTH	383	WEST	LEA
Latitude 32.2540274					Longitude 103.7217418				NAD 83

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 # 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

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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 711H					
Well Position	+N/-S	0.00 usft	Northing:	466,868.85 usft	Latitude:	32.282008
	+E/-W	0.00 usft	Easting:	730,803.63 usft	Longitude:	-103.720250
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,618.00 usft	Ground Level:	3,592.00 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	182.31	

Survey Program	Date	1/14/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
202.00	22,360.00	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	0.07	304.58	202.00	0.07	-0.10	-0.07	0.03	0.03	0.00	
296.00	0.07	239.89	296.00	0.07	-0.20	-0.07	0.08	0.00	-68.82	
389.00	0.22	139.22	389.00	-0.09	-0.13	0.10	0.26	0.16	-108.25	
482.00	0.22	193.43	482.00	-0.40	-0.06	0.40	0.22	0.00	58.29	
575.00	0.49	174.36	575.00	-0.97	-0.06	0.97	0.31	0.29	-20.51	
669.00	0.58	183.29	668.99	-1.84	-0.05	1.84	0.13	0.10	9.50	
764.00	0.65	190.88	763.99	-2.85	-0.18	2.86	0.11	0.07	7.99	
859.00	0.93	209.48	858.98	-4.05	-0.66	4.08	0.40	0.29	19.58	
955.00	1.11	204.88	954.96	-5.57	-1.43	5.63	0.21	0.19	-4.79	

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)
1,012.00	1.31	214.07	1,011.95	-6.62	-2.03	6.69	0.49	0.35	16.12
1,116.00	1.74	213.59	1,115.91	-8.92	-3.57	9.05	0.41	0.41	-0.46
1,180.00	1.90	209.95	1,179.88	-10.64	-4.64	10.82	0.31	0.25	-5.69
1,275.00	1.94	205.21	1,274.83	-13.46	-6.11	13.70	0.17	0.04	-4.99
1,371.00	0.87	196.35	1,370.80	-15.63	-7.00	15.90	1.13	-1.11	-9.23
1,466.00	0.46	46.96	1,465.79	-16.06	-6.93	16.33	1.36	-0.43	-157.25
1,562.00	0.60	69.56	1,561.79	-15.63	-6.18	15.86	0.26	0.15	23.54
1,657.00	0.68	71.36	1,656.79	-15.27	-5.18	15.47	0.09	0.08	1.89
1,752.00	0.52	66.75	1,751.78	-14.92	-4.24	15.08	0.18	-0.17	-4.85
1,848.00	0.91	69.26	1,847.77	-14.48	-3.13	14.59	0.41	0.41	2.61
1,943.00	1.01	65.43	1,942.76	-13.86	-1.66	13.92	0.13	0.11	-4.03
2,039.00	0.78	60.35	2,038.75	-13.19	-0.33	13.19	0.25	-0.24	-5.29
2,134.00	0.82	71.05	2,133.74	-12.65	0.88	12.60	0.16	0.04	11.26
2,230.00	0.88	48.94	2,229.73	-11.94	2.08	11.85	0.35	0.06	-23.03
2,325.00	0.80	55.23	2,324.72	-11.08	3.18	10.95	0.13	-0.08	6.62
2,421.00	0.99	65.44	2,420.71	-10.36	4.48	10.17	0.26	0.20	10.64
2,516.00	0.71	80.41	2,515.70	-9.92	5.81	9.68	0.37	-0.29	15.76
2,611.00	0.91	72.99	2,610.69	-9.60	7.11	9.30	0.24	0.21	-7.81
2,707.00	0.68	73.82	2,706.68	-9.22	8.39	8.87	0.24	-0.24	0.86
2,802.00	0.67	66.44	2,801.67	-8.84	9.44	8.45	0.09	-0.01	-7.77
2,897.00	0.19	342.00	2,896.67	-8.47	9.90	8.06	0.71	-0.51	-88.88
2,992.00	1.35	298.07	2,991.66	-7.79	8.86	7.43	1.28	1.22	-46.24
3,088.00	1.72	292.24	3,087.62	-6.71	6.53	6.44	0.42	0.39	-6.07
3,183.00	3.39	293.20	3,182.53	-5.07	2.63	4.96	1.76	1.76	1.01
3,279.00	4.53	297.43	3,278.29	-2.20	-3.34	2.33	1.23	1.19	4.41
3,374.00	5.30	301.41	3,372.94	1.81	-10.42	-1.39	0.89	0.81	4.19
3,469.00	6.41	297.84	3,467.45	6.58	-18.85	-5.81	1.23	1.17	-3.76
3,565.00	6.57	288.99	3,562.84	10.87	-28.79	-9.70	1.05	0.17	-9.22
3,661.00	7.24	293.60	3,658.14	15.08	-39.52	-13.47	0.91	0.70	4.80
3,756.00	7.74	294.35	3,752.33	20.11	-50.84	-18.04	0.54	0.53	0.79
3,851.00	7.21	295.05	3,846.52	25.27	-62.06	-22.75	0.57	-0.56	0.74
3,946.00	6.22	291.35	3,940.87	29.67	-72.26	-26.73	1.14	-1.04	-3.89
4,041.00	6.37	288.34	4,035.30	33.20	-82.05	-29.87	0.38	0.16	-3.17
4,137.00	7.97	289.04	4,130.54	37.05	-93.40	-33.25	1.67	1.67	0.73
4,232.00	8.41	285.15	4,224.57	41.01	-106.33	-36.69	0.74	0.46	-4.09
4,327.00	8.47	285.17	4,318.54	44.66	-119.79	-39.79	0.06	0.06	0.02
4,423.00	8.28	288.31	4,413.52	48.68	-133.18	-43.27	0.52	-0.20	3.27
4,519.00	8.09	291.86	4,508.54	53.37	-146.01	-47.44	0.56	-0.20	3.70
4,614.00	8.06	292.89	4,602.60	58.45	-158.35	-52.02	0.16	-0.03	1.08
4,710.00	8.39	294.54	4,697.61	63.97	-170.92	-57.03	0.42	0.34	1.72
4,805.00	9.36	297.13	4,791.48	70.38	-184.10	-62.90	1.10	1.02	2.73
4,901.00	9.36	296.84	4,886.20	77.46	-198.01	-69.41	0.05	0.00	-0.30
4,996.00	9.28	298.37	4,979.94	84.59	-211.65	-75.99	0.27	-0.08	1.61
5,092.00	9.19	298.33	5,074.70	91.90	-225.21	-82.75	0.09	-0.09	-0.04

Scientific Drilling, Intl

Survey Report



devon

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)
5,188.00	8.95	295.63	5,169.50	98.77	-238.69	-89.07	0.51	-0.25	-2.81
5,283.00	9.11	295.81	5,263.32	105.24	-252.12	-94.99	0.17	0.17	0.19
5,378.00	9.03	293.17	5,357.14	111.45	-265.74	-100.65	0.45	-0.08	-2.78
5,474.00	8.85	293.00	5,451.97	117.30	-279.47	-105.94	0.19	-0.19	-0.18
5,569.00	8.35	289.96	5,545.90	122.51	-292.68	-110.61	0.71	-0.53	-3.20
5,664.00	7.96	289.49	5,639.94	127.06	-305.36	-114.65	0.42	-0.41	-0.49
5,759.00	8.43	297.04	5,733.97	132.42	-317.77	-119.50	1.23	0.49	7.95
5,855.00	8.89	300.50	5,828.88	139.38	-330.43	-125.95	0.72	0.48	3.60
5,951.00	8.63	300.76	5,923.76	146.83	-343.01	-132.89	0.27	-0.27	0.27
6,046.00	8.63	299.13	6,017.68	153.95	-355.36	-139.50	0.26	0.00	-1.72
6,142.00	8.51	298.51	6,112.61	160.84	-367.89	-145.88	0.16	-0.13	-0.65
6,237.00	8.96	296.66	6,206.51	167.52	-380.68	-152.04	0.56	0.47	-1.95
6,332.00	8.13	293.52	6,300.45	173.52	-393.45	-157.52	1.00	-0.87	-3.31
6,427.00	7.89	293.19	6,394.53	178.77	-405.60	-162.27	0.26	-0.25	-0.35
6,522.00	6.86	298.44	6,488.74	184.04	-416.59	-167.09	1.29	-1.08	5.53
6,618.00	5.25	300.25	6,584.20	188.98	-425.42	-171.68	1.69	-1.68	1.89
6,713.00	3.79	300.07	6,678.91	192.74	-431.89	-175.18	1.54	-1.54	-0.19
6,808.00	2.12	315.26	6,773.78	195.56	-435.85	-177.84	1.93	-1.76	15.99
6,903.00	1.50	2.04	6,868.73	198.06	-437.04	-180.28	1.63	-0.65	49.24
6,998.00	0.89	20.08	6,963.71	199.99	-436.74	-182.22	0.75	-0.64	18.99
7,094.00	0.42	20.84	7,059.71	201.02	-436.36	-183.27	0.49	-0.49	0.79
7,190.00	0.19	28.83	7,155.70	201.49	-436.16	-183.74	0.24	-0.24	8.32
7,285.00	0.22	206.95	7,250.70	201.46	-436.17	-183.72	0.43	0.03	187.49
7,380.00	0.36	132.46	7,345.70	201.10	-436.03	-183.36	0.39	0.15	-78.41
7,476.00	0.27	88.37	7,441.70	200.90	-435.58	-183.18	0.26	-0.09	-45.93
7,571.00	0.27	90.14	7,536.70	200.91	-435.13	-183.20	0.01	0.00	1.86
7,667.00	0.31	73.18	7,632.70	200.98	-434.66	-183.30	0.10	0.04	-17.67
7,763.00	0.20	133.93	7,728.70	200.94	-434.29	-183.27	0.29	-0.11	63.28
7,858.00	0.56	129.27	7,823.70	200.53	-433.81	-182.88	0.38	0.38	-4.91
7,954.00	0.31	124.75	7,919.69	200.09	-433.23	-182.46	0.26	-0.26	-4.71
8,049.00	0.32	143.53	8,014.69	199.73	-432.86	-182.12	0.11	0.01	19.77
8,145.00	0.76	166.83	8,110.69	198.89	-432.56	-181.29	0.50	0.46	24.27
8,240.00	0.65	188.87	8,205.68	197.75	-432.50	-180.15	0.31	-0.12	23.20
8,336.00	0.51	189.81	8,301.68	196.79	-432.66	-179.19	0.15	-0.15	0.98
8,429.00	0.57	198.55	8,394.67	195.94	-432.87	-178.33	0.11	0.06	9.40
8,525.00	0.47	208.99	8,490.67	195.14	-433.22	-177.52	0.14	-0.10	10.88
8,620.00	0.49	256.29	8,585.67	194.71	-433.80	-177.06	0.41	0.02	49.79
8,715.00	0.98	297.52	8,680.66	194.99	-434.92	-177.30	0.73	0.52	43.40
8,811.00	1.08	300.78	8,776.64	195.83	-436.42	-178.08	0.12	0.10	3.40
8,907.00	1.31	312.24	8,872.62	197.03	-438.01	-179.21	0.34	0.24	11.94
9,002.00	1.81	323.43	8,967.59	198.96	-439.71	-181.08	0.61	0.53	11.78
9,097.00	1.42	309.15	9,062.55	200.91	-441.52	-182.95	0.59	-0.41	-15.03
9,192.00	1.65	310.16	9,157.51	202.54	-443.47	-184.50	0.24	0.24	1.06



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)	
9,288.00	1.68	312.82	9,253.47	204.39	-445.56	-186.26	0.09	0.03	2.77	
9,383.00	1.67	305.00	9,348.43	206.13	-447.72	-187.91	0.24	-0.01	-8.23	
9,479.00	1.25	295.09	9,444.40	207.37	-449.81	-189.07	0.51	-0.44	-10.32	
9,574.00	1.24	300.70	9,539.38	208.34	-451.63	-189.96	0.13	-0.01	5.91	
9,669.00	1.17	285.18	9,634.36	209.12	-453.45	-190.67	0.35	-0.07	-16.34	
9,764.00	1.28	287.49	9,729.34	209.69	-455.40	-191.16	0.13	0.12	2.43	
9,860.00	1.58	271.22	9,825.31	210.04	-457.75	-191.42	0.52	0.31	-16.95	
9,955.00	1.69	262.35	9,920.27	209.88	-460.45	-191.15	0.29	0.12	-9.34	
10,050.00	1.97	269.11	10,015.22	209.67	-463.47	-190.81	0.37	0.29	7.12	
10,145.00	1.46	273.28	10,110.18	209.71	-466.31	-190.74	0.55	-0.54	4.39	
10,240.00	1.75	267.91	10,205.14	209.73	-468.97	-190.65	0.34	0.31	-5.65	
10,336.00	0.98	207.53	10,301.12	208.95	-470.81	-189.80	1.59	-0.80	-62.90	
10,431.00	0.99	208.64	10,396.10	207.51	-471.58	-188.33	0.02	0.01	1.17	
10,527.00	1.28	203.25	10,492.08	205.79	-472.40	-186.58	0.32	0.30	-5.61	
10,622.00	1.31	207.22	10,587.06	203.85	-473.31	-184.61	0.10	0.03	4.18	
10,717.00	1.46	217.86	10,682.03	201.93	-474.55	-182.64	0.31	0.16	11.20	
10,813.00	1.61	210.87	10,778.00	199.81	-476.00	-180.46	0.25	0.16	-7.28	
10,908.00	1.61	209.47	10,872.96	197.50	-477.34	-178.10	0.04	0.00	-1.47	
11,004.00	0.98	196.68	10,968.94	195.54	-478.24	-176.10	0.72	-0.66	-13.32	
11,099.00	1.57	189.42	11,063.91	193.48	-478.68	-174.02	0.64	0.62	-7.64	
11,194.00	1.93	200.53	11,158.87	190.70	-479.46	-171.21	0.52	0.38	11.69	
11,289.00	2.30	217.92	11,253.80	187.69	-481.19	-168.14	0.78	0.39	18.31	
11,384.00	2.33	222.73	11,348.73	184.77	-483.67	-165.12	0.21	0.03	5.06	
11,480.00	2.10	225.43	11,444.65	182.10	-486.25	-162.35	0.26	-0.24	2.81	
11,576.00	2.10	237.34	11,540.59	179.92	-488.98	-160.06	0.45	0.00	12.41	
11,692.00	2.58	243.74	11,656.49	177.62	-493.11	-157.60	0.47	0.41	5.52	
11,788.00	12.39	166.40	11,751.68	166.61	-492.63	-146.62	12.59	10.22	-80.56	
11,862.41	23.82	162.70	11,822.29	144.43	-486.26	-124.71	15.43	15.36	-4.98	
FTP 100 FNL - 11862.41 MD 11822.29 TVD										
11,883.00	26.99	162.21	11,840.89	136.01	-483.60	-116.41	15.43	15.40	-2.37	
11,979.00	39.66	163.53	11,920.94	85.69	-468.19	-66.74	13.22	13.20	1.38	
12,074.00	50.72	164.22	11,987.79	21.03	-449.54	-2.89	11.65	11.64	0.73	
12,169.00	60.79	163.70	12,041.18	-54.34	-427.85	71.54	10.61	10.60	-0.55	
12,264.00	68.72	167.82	12,081.68	-137.56	-406.83	153.85	9.22	8.35	4.34	
12,360.00	77.60	173.52	12,109.48	-228.11	-392.06	243.73	10.85	9.25	5.94	
12,455.00	84.05	176.32	12,124.63	-321.47	-383.79	336.68	7.39	6.79	2.95	
12,551.00	88.99	179.34	12,130.45	-417.18	-380.17	432.17	6.03	5.15	3.15	
12,641.00	90.87	180.67	12,130.56	-507.18	-380.17	522.09	2.56	2.09	1.48	
12,730.00	89.40	182.51	12,130.35	-596.14	-382.64	611.08	2.65	-1.65	2.07	
12,820.00	90.03	181.98	12,130.80	-686.07	-386.17	701.08	0.91	0.70	-0.59	
12,909.00	91.51	179.21	12,129.60	-775.04	-387.09	790.02	3.53	1.66	-3.11	
12,999.00	90.64	180.60	12,127.91	-865.02	-386.94	879.92	1.82	-0.97	1.54	
13,089.00	89.77	178.61	12,127.59	-955.02	-386.32	969.81	2.41	-0.97	-2.21	
13,179.00	89.43	179.80	12,128.22	-1,045.00	-385.08	1,059.68	1.38	-0.38	1.32	



Scientific Drilling, Intl Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)
13,268.00	92.52	176.83	12,126.71	-1,133.93	-382.46	1,148.43	4.82	3.47	-3.34
13,358.00	91.78	177.42	12,123.33	-1,223.75	-377.95	1,237.99	1.05	-0.82	0.66
13,448.00	91.98	178.61	12,120.38	-1,313.65	-374.83	1,327.69	1.34	0.22	1.32
13,537.00	91.64	179.12	12,117.57	-1,402.59	-373.07	1,416.49	0.69	-0.38	0.57
13,627.00	90.84	179.29	12,115.62	-1,492.56	-371.82	1,506.33	0.91	-0.89	0.19
13,717.00	90.50	179.70	12,114.57	-1,582.55	-371.03	1,596.22	0.59	-0.38	0.46
13,806.00	90.03	180.81	12,114.15	-1,671.54	-371.43	1,685.16	1.35	-0.53	1.25
13,895.00	90.87	181.16	12,113.46	-1,760.53	-372.96	1,774.13	1.02	0.94	0.39
13,985.00	90.67	178.97	12,112.25	-1,850.51	-373.06	1,864.05	2.44	-0.22	-2.43
14,074.00	90.94	179.19	12,111.00	-1,939.49	-371.63	1,952.90	0.39	0.30	0.25
14,164.00	88.83	177.51	12,111.18	-2,029.45	-369.04	2,042.67	3.00	-2.34	-1.87
14,253.00	89.43	179.68	12,112.53	-2,118.40	-366.86	2,131.47	2.53	0.67	2.44
14,343.00	88.39	178.71	12,114.24	-2,208.38	-365.59	2,221.32	1.58	-1.16	-1.08
14,432.00	86.78	178.14	12,117.99	-2,297.26	-363.15	2,310.03	1.92	-1.81	-0.64
14,521.00	89.73	179.25	12,120.70	-2,386.18	-361.12	2,398.80	3.54	3.31	1.25
14,611.00	93.29	177.99	12,118.33	-2,476.11	-358.96	2,488.57	4.20	3.96	-1.40
14,700.00	92.08	177.00	12,114.16	-2,564.93	-355.07	2,577.15	1.76	-1.36	-1.11
14,790.00	91.88	177.36	12,111.05	-2,654.76	-350.65	2,666.74	0.46	-0.22	0.40
14,880.00	92.01	177.38	12,108.00	-2,744.62	-346.52	2,756.35	0.15	0.14	0.02
14,970.00	90.23	178.05	12,106.24	-2,834.52	-342.93	2,846.04	2.11	-1.98	0.74
15,059.00	91.64	175.03	12,104.78	-2,923.34	-337.56	2,934.57	3.74	1.58	-3.39
15,149.00	89.13	175.54	12,104.18	-3,013.02	-330.17	3,023.88	2.85	-2.79	0.57
15,238.00	89.30	176.19	12,105.40	-3,101.78	-323.75	3,112.31	0.75	0.19	0.73
15,328.00	90.00	181.01	12,105.95	-3,191.73	-321.55	3,202.09	5.41	0.78	5.36
15,418.00	87.48	179.76	12,107.93	-3,281.69	-322.16	3,292.01	3.13	-2.80	-1.39
15,507.00	89.16	181.77	12,110.54	-3,370.64	-323.34	3,380.93	2.94	1.89	2.26
15,597.00	89.93	180.81	12,111.25	-3,460.61	-325.37	3,470.92	1.37	0.86	-1.07
15,687.00	88.46	180.57	12,112.52	-3,550.59	-326.45	3,560.87	1.65	-1.63	-0.27
15,809.00	86.47	181.64	12,117.91	-3,672.44	-328.80	3,682.71	1.85	-1.63	0.88
15,899.00	87.88	180.46	12,122.35	-3,762.32	-330.45	3,772.58	2.04	1.57	-1.31
15,988.00	89.50	179.41	12,124.38	-3,851.29	-330.35	3,861.47	2.17	1.82	-1.18
16,078.00	90.67	179.30	12,124.25	-3,941.28	-329.34	3,951.35	1.31	1.30	-0.12
16,167.00	90.64	179.64	12,123.23	-4,030.27	-328.51	4,040.24	0.38	-0.03	0.38
16,257.00	87.24	177.51	12,124.90	-4,120.21	-326.28	4,130.01	4.46	-3.78	-2.37
16,347.00	90.34	179.33	12,126.80	-4,210.14	-323.80	4,219.77	3.99	3.44	2.02
16,436.00	89.53	178.88	12,126.90	-4,299.13	-322.41	4,308.63	1.04	-0.91	-0.51
16,525.00	87.38	176.53	12,129.30	-4,388.01	-318.84	4,397.30	3.58	-2.42	-2.64
16,615.00	91.55	178.07	12,130.14	-4,477.89	-314.61	4,486.93	4.94	4.63	1.71
16,705.00	89.50	176.05	12,129.31	-4,567.76	-309.99	4,576.54	3.20	-2.28	-2.24
16,794.00	89.33	178.25	12,130.22	-4,656.64	-305.57	4,665.17	2.48	-0.19	2.47
16,884.00	89.09	177.65	12,131.46	-4,746.57	-302.35	4,754.90	0.72	-0.27	-0.67
16,973.00	91.48	178.60	12,131.02	-4,835.51	-299.44	4,843.65	2.89	2.69	1.07
17,063.00	88.02	180.97	12,131.41	-4,925.49	-299.10	4,933.54	4.66	-3.84	2.63

Scientific Drilling, Intl

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)
17,152.00	87.75	180.70	12,134.70	-5,014.42	-300.39	5,022.45	0.43	-0.30	-0.30
17,242.00	88.72	180.57	12,137.47	-5,104.37	-301.39	5,112.37	1.09	1.08	-0.14
17,331.00	89.23	179.84	12,139.06	-5,193.36	-301.71	5,201.30	1.00	0.57	-0.82
17,421.00	91.38	180.73	12,138.58	-5,283.35	-302.16	5,291.23	2.59	2.39	0.99
17,510.00	92.42	180.88	12,135.63	-5,372.29	-303.41	5,380.15	1.18	1.17	0.17
17,600.00	92.82	180.63	12,131.52	-5,462.19	-304.59	5,470.02	0.52	0.44	-0.28
17,690.00	92.72	181.60	12,127.17	-5,552.06	-306.34	5,559.90	1.08	-0.11	1.08
17,779.00	90.00	181.53	12,125.06	-5,641.00	-308.77	5,648.86	3.06	-3.06	-0.08
17,870.00	88.35	181.40	12,126.37	-5,731.95	-311.10	5,739.84	1.82	-1.81	-0.14
17,959.00	87.51	181.43	12,129.58	-5,820.87	-313.29	5,828.77	0.94	-0.94	0.03
18,049.00	87.82	181.33	12,133.25	-5,910.77	-315.46	5,918.68	0.36	0.34	-0.11
18,139.00	87.71	181.27	12,136.76	-6,000.68	-317.50	6,008.60	0.14	-0.12	-0.07
18,228.00	86.54	181.28	12,141.22	-6,089.54	-319.48	6,097.47	1.31	-1.31	0.01
18,318.00	88.19	179.77	12,145.36	-6,179.44	-320.30	6,187.32	2.48	1.83	-1.68
18,407.00	88.76	179.68	12,147.73	-6,268.40	-319.87	6,276.20	0.65	0.64	-0.10
18,497.00	88.35	179.85	12,150.00	-6,358.37	-319.50	6,366.08	0.49	-0.46	0.19
18,587.00	89.66	180.15	12,151.56	-6,448.36	-319.50	6,456.00	1.49	1.46	0.33
18,676.00	89.56	180.53	12,152.17	-6,537.35	-320.03	6,544.94	0.44	-0.11	0.43
18,766.00	92.49	182.11	12,150.56	-6,627.30	-322.10	6,634.90	3.70	3.26	1.76
18,855.00	91.78	182.63	12,147.24	-6,716.16	-325.78	6,723.84	0.99	-0.80	0.58
18,945.00	91.65	182.23	12,144.55	-6,806.04	-329.60	6,813.80	0.47	-0.14	-0.44
19,034.00	90.94	181.89	12,142.54	-6,894.96	-332.79	6,902.77	0.88	-0.80	-0.38
19,124.00	89.19	181.48	12,142.43	-6,984.92	-335.44	6,992.76	2.00	-1.94	-0.46
19,213.00	85.93	180.90	12,146.22	-7,073.81	-337.29	7,081.65	3.72	-3.66	-0.65
19,303.00	87.95	179.46	12,151.03	-7,163.67	-337.57	7,171.46	2.75	2.24	-1.60
19,392.00	87.88	179.75	12,154.26	-7,252.61	-336.96	7,260.30	0.33	-0.08	0.33
19,482.00	88.66	179.40	12,156.98	-7,342.56	-336.29	7,350.15	0.95	0.87	-0.39
19,572.00	89.87	177.33	12,158.14	-7,432.51	-333.72	7,439.93	2.66	1.34	-2.30
19,661.00	91.01	178.37	12,157.45	-7,521.45	-330.38	7,528.65	1.73	1.28	1.17
19,751.00	91.98	178.20	12,155.10	-7,611.37	-327.69	7,618.40	1.09	1.08	-0.19
19,841.00	91.38	178.09	12,152.47	-7,701.29	-324.78	7,708.12	0.68	-0.67	-0.12
19,930.00	91.14	178.51	12,150.51	-7,790.23	-322.14	7,796.88	0.54	-0.27	0.47
20,020.00	91.55	178.54	12,148.40	-7,880.17	-319.82	7,886.66	0.46	0.46	0.03
20,110.00	91.08	178.11	12,146.33	-7,970.11	-317.19	7,976.42	0.71	-0.52	-0.48
20,199.00	91.81	177.79	12,144.09	-8,059.02	-314.01	8,065.13	0.90	0.82	-0.36
20,289.00	92.39	180.18	12,140.79	-8,148.94	-312.42	8,154.91	2.73	0.64	2.66
20,379.00	92.02	181.61	12,137.32	-8,238.86	-313.82	8,244.82	1.64	-0.41	1.59
20,468.00	90.17	183.21	12,135.62	-8,327.76	-317.56	8,333.79	2.75	-2.08	1.80
20,558.00	87.24	182.29	12,137.66	-8,417.62	-321.88	8,423.76	3.41	-3.26	-1.02
20,648.00	86.44	181.96	12,142.62	-8,507.42	-325.21	8,513.62	0.96	-0.89	-0.37
20,737.00	87.08	181.19	12,147.65	-8,596.25	-327.65	8,602.47	1.12	0.72	-0.87
20,827.00	87.68	180.80	12,151.76	-8,686.14	-329.21	8,692.35	0.79	0.67	-0.43
20,917.00	88.15	181.05	12,155.04	-8,776.07	-330.67	8,782.26	0.59	0.52	0.28



Scientific Drilling, Intl Survey Report

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Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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)	
21,006.00	88.49	181.09	12,157.65	-8,865.01	-332.33	8,871.20	0.38	0.38	0.04	
21,096.00	87.95	181.56	12,160.44	-8,954.94	-334.41	8,961.15	0.80	-0.60	0.52	
21,185.00	88.42	181.33	12,163.26	-9,043.87	-336.65	9,050.09	0.59	0.53	-0.26	
21,275.00	89.19	182.11	12,165.14	-9,133.81	-339.35	9,140.07	1.22	0.86	0.87	
21,364.00	90.30	182.68	12,165.53	-9,222.73	-343.07	9,229.06	1.40	1.25	0.64	
21,454.00	93.43	184.11	12,162.61	-9,312.51	-348.40	9,318.99	3.82	3.48	1.59	
21,543.00	93.50	184.26	12,157.23	-9,401.11	-354.88	9,407.78	0.19	0.08	0.17	
21,633.00	93.06	184.04	12,152.08	-9,490.73	-361.38	9,497.58	0.55	-0.49	-0.24	
21,723.00	92.86	184.31	12,147.43	-9,580.37	-367.92	9,587.41	0.37	-0.22	0.30	
21,812.00	92.02	184.76	12,143.64	-9,669.01	-374.96	9,676.26	1.07	-0.94	0.51	
21,901.00	93.90	185.02	12,139.04	-9,757.56	-382.53	9,765.05	2.13	2.11	0.29	
21,991.00	86.17	183.30	12,138.99	-9,847.25	-389.05	9,854.93	8.80	-8.59	-1.91	
22,080.00	84.17	182.97	12,146.48	-9,935.80	-393.90	9,943.60	2.28	-2.25	-0.37	
22,170.00	83.67	182.24	12,156.02	-10,025.20	-397.97	10,033.10	0.98	-0.56	-0.81	
22,259.00	83.33	181.76	12,166.09	-10,113.57	-401.06	10,121.52	0.66	-0.38	-0.54	
22,304.00	83.43	181.68	12,171.28	-10,158.25	-402.40	10,166.22	0.28	0.22	-0.18	
22,357.87	83.43	181.68	12,177.44	-10,211.75	-403.97	10,219.73	0.00	0.00	0.00	
LTP 100 FSL - 22357.87 MD 12177.44 TVD										
22,360.00	83.43	181.68	12,177.69	-10,213.86	-404.03	10,221.85	0.00	0.00	0.00	
Actual BH: 97.9 FSL 381.6 FWL - 22360 MD 12177.69 TVD - Y-456654.99 X-730399.60 - 32.253940°N 103.721746°W										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,862.41	11,822.29	144.43	-486.26	FTP 100 FNL	
11,862.41	11,822.29	144.43	-486.26	11862.41 MD 11822.29 TVD	
22,357.87	12,177.44	-10,211.75	-403.97	LTP 100 FSL	
22,357.87	12,177.44	-10,211.75	-403.97	22357.87 MD 12177.44 TVD	
22,360.00	12,177.69	-10,213.86	-404.03	Actual BH: 97.9 FSL 381.6 FWL	
22,360.00	12,177.69	-10,213.86	-404.03	22360 MD 12177.69 TVD	
22,360.00	12,177.69	-10,213.86	-404.03	Y-456654.99 X-730399.60	
22,360.00	12,177.69	-10,213.86	-404.03	32.253940°N 103.721746°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 711H

OH Wellbore

Design: As Drilled

Survey Report - Geographic

14 January, 2022



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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 711H					
Well Position	+N/-S	0.00 usft	Northing:	466,868.85 usft	Latitude:	32.282008
	+E/-W	0.00 usft	Easting:	730,803.63 usft	Longitude:	-103.720250
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,618.00 usft	Ground Level:	3,592.00 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	182.31	

Survey Program	Date	1/14/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
202.00	22,360.00	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	466,868.85	730,803.63	32.282008	-103.720250
202.00	0.07	304.58	202.00	0.07	-0.10	466,868.92	730,803.52	32.282009	-103.720250
296.00	0.07	239.89	296.00	0.07	-0.20	466,868.92	730,803.43	32.282009	-103.720251
389.00	0.22	139.22	389.00	-0.09	-0.13	466,868.76	730,803.50	32.282008	-103.720251
482.00	0.22	193.43	482.00	-0.40	-0.06	466,868.45	730,803.57	32.282007	-103.720250
575.00	0.49	174.36	575.00	-0.97	-0.06	466,867.88	730,803.57	32.282006	-103.720250
669.00	0.58	183.29	668.99	-1.84	-0.05	466,867.01	730,803.58	32.282003	-103.720250
764.00	0.65	190.88	763.99	-2.85	-0.18	466,866.00	730,803.45	32.282001	-103.720251
859.00	0.93	209.48	858.98	-4.05	-0.66	466,864.80	730,802.97	32.281997	-103.720252
955.00	1.11	204.88	954.96	-5.57	-1.43	466,863.28	730,802.20	32.281993	-103.720255
1,012.00	1.31	214.07	1,011.95	-6.62	-2.03	466,862.24	730,801.60	32.281990	-103.720257
1,116.00	1.74	213.59	1,115.91	-8.92	-3.57	466,859.94	730,800.06	32.281984	-103.720262



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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
1,180.00	1.90	209.95	1,179.88	-10.64	-4.64	466,858.21	730,798.99	32.281979	-103.720265
1,275.00	1.94	205.21	1,274.83	-13.46	-6.11	466,855.39	730,797.52	32.281972	-103.720270
1,371.00	0.87	196.35	1,370.80	-15.63	-7.00	466,853.22	730,796.62	32.281966	-103.720273
1,466.00	0.46	46.96	1,465.79	-16.06	-6.93	466,852.79	730,796.70	32.281964	-103.720273
1,562.00	0.60	69.56	1,561.79	-15.63	-6.18	466,853.22	730,797.45	32.281966	-103.720270
1,657.00	0.68	71.36	1,656.79	-15.27	-5.18	466,853.58	730,798.45	32.281967	-103.720267
1,752.00	0.52	66.75	1,751.78	-14.92	-4.24	466,853.93	730,799.38	32.281967	-103.720264
1,848.00	0.91	69.26	1,847.77	-14.48	-3.13	466,854.37	730,800.49	32.281969	-103.720261
1,943.00	1.01	65.43	1,942.76	-13.86	-1.66	466,854.99	730,801.96	32.281970	-103.720256
2,039.00	0.78	60.35	2,038.75	-13.19	-0.33	466,855.66	730,803.30	32.281972	-103.720251
2,134.00	0.82	71.05	2,133.74	-12.65	0.88	466,856.20	730,804.50	32.281974	-103.720248
2,230.00	0.88	48.94	2,229.73	-11.94	2.08	466,856.91	730,805.71	32.281976	-103.720244
2,325.00	0.80	55.23	2,324.72	-11.08	3.18	466,857.77	730,806.80	32.281978	-103.720240
2,421.00	0.99	65.44	2,420.71	-10.36	4.48	466,858.49	730,808.11	32.281980	-103.720236
2,516.00	0.71	80.41	2,515.70	-9.92	5.81	466,858.93	730,809.44	32.281981	-103.720232
2,611.00	0.91	72.99	2,610.69	-9.60	7.11	466,859.25	730,810.74	32.281982	-103.720227
2,707.00	0.68	73.82	2,706.68	-9.22	8.39	466,859.63	730,812.01	32.281983	-103.720223
2,802.00	0.67	66.44	2,801.67	-8.84	9.44	466,860.01	730,813.06	32.281984	-103.720220
2,897.00	0.19	342.00	2,896.67	-8.47	9.90	466,860.38	730,813.52	32.281985	-103.720218
2,992.00	1.35	298.07	2,991.66	-7.79	8.86	466,861.06	730,812.49	32.281987	-103.720222
3,088.00	1.72	292.24	3,087.62	-6.71	6.53	466,862.14	730,810.16	32.281990	-103.720229
3,183.00	3.39	293.20	3,182.53	-5.07	2.63	466,863.78	730,806.26	32.281994	-103.720242
3,279.00	4.53	297.43	3,278.29	-2.20	-3.34	466,866.65	730,800.28	32.282002	-103.720261
3,374.00	5.30	301.41	3,372.94	1.81	-10.42	466,870.66	730,793.21	32.282014	-103.720284
3,469.00	6.41	297.84	3,467.45	6.58	-18.85	466,875.43	730,784.77	32.282027	-103.720311
3,565.00	6.57	288.99	3,562.84	10.87	-28.79	466,879.72	730,774.84	32.282039	-103.720343
3,661.00	7.24	293.60	3,658.14	15.08	-39.52	466,883.93	730,764.10	32.282050	-103.720378
3,756.00	7.74	294.35	3,752.33	20.11	-50.84	466,888.96	730,752.79	32.282064	-103.720414
3,851.00	7.21	295.05	3,846.52	25.27	-62.06	466,894.12	730,741.56	32.282079	-103.720450
3,946.00	6.22	291.35	3,940.87	29.67	-72.26	466,898.52	730,731.37	32.282091	-103.720483
4,041.00	6.37	288.34	4,035.30	33.20	-82.05	466,902.05	730,721.57	32.282101	-103.720515
4,137.00	7.97	289.04	4,130.54	37.05	-93.40	466,905.90	730,710.22	32.282112	-103.720552
4,232.00	8.41	285.15	4,224.57	41.01	-106.33	466,909.86	730,697.29	32.282123	-103.720593
4,327.00	8.47	285.17	4,318.54	44.66	-119.79	466,913.51	730,683.83	32.282133	-103.720637
4,423.00	8.28	288.31	4,413.52	48.68	-133.18	466,917.53	730,670.45	32.282144	-103.720680
4,519.00	8.09	291.86	4,508.54	53.37	-146.01	466,922.22	730,657.62	32.282157	-103.720722
4,614.00	8.06	292.89	4,602.60	58.45	-158.35	466,927.30	730,645.28	32.282172	-103.720761
4,710.00	8.39	294.54	4,697.61	63.97	-170.92	466,932.82	730,632.71	32.282187	-103.720802
4,805.00	9.36	297.13	4,791.48	70.38	-184.10	466,939.23	730,619.53	32.282205	-103.720845
4,901.00	9.36	296.84	4,886.20	77.46	-198.01	466,946.31	730,605.61	32.282224	-103.720889
4,996.00	9.28	298.37	4,979.94	84.59	-211.65	466,953.44	730,591.98	32.282244	-103.720933
5,092.00	9.19	298.33	5,074.70	91.90	-225.21	466,960.75	730,578.42	32.282265	-103.720977
5,188.00	8.95	295.63	5,169.50	98.77	-238.69	466,967.62	730,564.94	32.282284	-103.721021
5,283.00	9.11	295.81	5,263.32	105.24	-252.12	466,974.09	730,551.51	32.282302	-103.721064
5,378.00	9.03	293.17	5,357.14	111.45	-265.74	466,980.30	730,537.88	32.282319	-103.721108
5,474.00	8.85	293.00	5,451.97	117.30	-279.47	466,986.15	730,524.16	32.282335	-103.721152
5,569.00	8.35	289.96	5,545.90	122.51	-292.68	466,991.36	730,510.95	32.282350	-103.721195
5,664.00	7.96	289.49	5,639.94	127.06	-305.36	466,995.91	730,498.26	32.282362	-103.721236
5,759.00	8.43	297.04	5,733.97	132.42	-317.77	467,001.27	730,485.86	32.282377	-103.721276
5,855.00	8.89	300.50	5,828.88	139.38	-330.43	467,008.23	730,473.20	32.282397	-103.721317
5,951.00	8.63	300.76	5,923.76	146.83	-343.01	467,015.68	730,460.62	32.282417	-103.721357
6,046.00	8.63	299.13	6,017.68	153.95	-355.36	467,022.80	730,448.27	32.282437	-103.721397
6,142.00	8.51	298.51	6,112.61	160.84	-367.89	467,029.69	730,435.74	32.282456	-103.721438
6,237.00	8.96	296.66	6,206.51	167.52	-380.68	467,036.37	730,422.95	32.282475	-103.721479
6,332.00	8.13	293.52	6,300.45	173.52	-393.45	467,042.37	730,410.18	32.282492	-103.721520



Scientific Drilling, Intl
Survey Report - Geographic

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Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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
6,427.00	7.89	293.19	6,394.53	178.77	-405.60	467,047.62	730,398.02	32.282506	-103.721559
6,522.00	6.86	298.44	6,488.74	184.04	-416.59	467,052.89	730,387.04	32.282521	-103.721595
6,618.00	5.25	300.25	6,584.20	188.98	-425.42	467,057.83	730,378.20	32.282535	-103.721623
6,713.00	3.79	300.07	6,678.91	192.74	-431.89	467,061.59	730,371.73	32.282545	-103.721644
6,808.00	2.12	315.26	6,773.78	195.56	-435.85	467,064.41	730,367.78	32.282553	-103.721657
6,903.00	1.50	2.04	6,868.73	198.06	-437.04	467,066.91	730,366.59	32.282560	-103.721661
6,998.00	0.89	20.08	6,963.71	199.99	-436.74	467,068.84	730,366.88	32.282565	-103.721660
7,094.00	0.42	20.84	7,059.71	201.02	-436.36	467,069.87	730,367.26	32.282568	-103.721658
7,190.00	0.19	28.83	7,155.70	201.49	-436.16	467,070.34	730,367.47	32.282569	-103.721658
7,285.00	0.22	206.95	7,250.70	201.46	-436.17	467,070.31	730,367.46	32.282569	-103.721658
7,380.00	0.36	132.46	7,345.70	201.10	-436.03	467,069.95	730,367.60	32.282568	-103.721657
7,476.00	0.27	88.37	7,441.70	200.90	-435.58	467,069.75	730,368.05	32.282567	-103.721656
7,571.00	0.27	90.14	7,536.70	200.91	-435.13	467,069.76	730,368.49	32.282567	-103.721654
7,667.00	0.31	73.18	7,632.70	200.98	-434.66	467,069.83	730,368.97	32.282568	-103.721653
7,763.00	0.20	133.93	7,728.70	200.94	-434.29	467,069.79	730,369.34	32.282568	-103.721652
7,858.00	0.56	129.27	7,823.70	200.53	-433.81	467,069.38	730,369.82	32.282566	-103.721650
7,954.00	0.31	124.75	7,919.69	200.09	-433.23	467,068.94	730,370.39	32.282565	-103.721648
8,049.00	0.32	143.53	8,014.69	199.73	-432.86	467,068.58	730,370.76	32.282564	-103.721647
8,145.00	0.76	166.83	8,110.69	198.89	-432.56	467,067.74	730,371.07	32.282562	-103.721646
8,240.00	0.65	188.87	8,205.68	197.75	-432.50	467,066.60	730,371.13	32.282559	-103.721646
8,336.00	0.51	189.81	8,301.68	196.79	-432.66	467,065.64	730,370.97	32.282556	-103.721646
8,429.00	0.57	198.55	8,394.67	195.94	-432.87	467,064.79	730,370.75	32.282554	-103.721647
8,525.00	0.47	208.99	8,490.67	195.14	-433.22	467,063.99	730,370.41	32.282552	-103.721648
8,620.00	0.49	256.29	8,585.67	194.71	-433.80	467,063.56	730,369.83	32.282550	-103.721650
8,715.00	0.98	297.52	8,680.66	194.99	-434.92	467,063.84	730,368.71	32.282551	-103.721654
8,811.00	1.08	300.78	8,776.64	195.83	-436.42	467,064.68	730,367.21	32.282554	-103.721659
8,907.00	1.31	312.24	8,872.62	197.03	-438.01	467,065.88	730,365.62	32.282557	-103.721664
9,002.00	1.81	323.43	8,967.59	198.96	-439.71	467,067.81	730,363.92	32.282562	-103.721669
9,097.00	1.42	309.15	9,062.55	200.91	-441.52	467,069.76	730,362.11	32.282568	-103.721675
9,192.00	1.65	310.16	9,157.51	202.54	-443.47	467,071.39	730,360.15	32.282572	-103.721681
9,288.00	1.68	312.82	9,253.47	204.39	-445.56	467,073.24	730,358.06	32.282577	-103.721688
9,383.00	1.67	305.00	9,348.43	206.13	-447.72	467,074.98	730,355.91	32.282582	-103.721695
9,479.00	1.25	295.09	9,444.40	207.37	-449.81	467,076.22	730,353.81	32.282585	-103.721702
9,574.00	1.24	300.70	9,539.38	208.34	-451.63	467,077.19	730,351.99	32.282588	-103.721708
9,669.00	1.17	285.18	9,634.36	209.12	-453.45	467,077.97	730,350.17	32.282590	-103.721714
9,764.00	1.28	287.49	9,729.34	209.69	-455.40	467,078.54	730,348.22	32.282592	-103.721720
9,860.00	1.58	271.22	9,825.31	210.04	-457.75	467,078.89	730,345.88	32.282593	-103.721727
9,955.00	1.69	262.35	9,920.27	209.88	-460.45	467,078.73	730,343.18	32.282593	-103.721736
10,050.00	1.97	269.11	10,015.22	209.67	-463.47	467,078.52	730,340.16	32.282592	-103.721746
10,145.00	1.46	273.28	10,110.18	209.71	-466.31	467,078.56	730,337.32	32.282592	-103.721755
10,240.00	1.75	267.91	10,205.14	209.73	-468.97	467,078.58	730,334.66	32.282592	-103.721764
10,336.00	0.98	207.53	10,301.12	208.95	-470.81	467,077.80	730,332.82	32.282590	-103.721770
10,431.00	0.99	208.64	10,396.10	207.51	-471.58	467,076.36	730,332.05	32.282586	-103.721772
10,527.00	1.28	203.25	10,492.08	205.79	-472.40	467,074.64	730,331.23	32.282582	-103.721775
10,622.00	1.31	207.22	10,587.06	203.85	-473.31	467,072.70	730,330.31	32.282576	-103.721778
10,717.00	1.46	217.86	10,682.03	201.93	-474.55	467,070.78	730,329.07	32.282571	-103.721782
10,813.00	1.61	210.87	10,778.00	199.81	-476.00	467,068.66	730,327.63	32.282565	-103.721787
10,908.00	1.61	209.47	10,872.96	197.50	-477.34	467,066.35	730,326.29	32.282559	-103.721791
11,004.00	0.98	196.68	10,968.94	195.54	-478.24	467,064.39	730,325.39	32.282553	-103.721794
11,099.00	1.57	189.42	11,063.91	193.48	-478.68	467,062.33	730,324.94	32.282548	-103.721795
11,194.00	1.93	200.53	11,158.87	190.70	-479.46	467,059.55	730,324.17	32.282540	-103.721798
11,289.00	2.30	217.92	11,253.80	187.69	-481.19	467,056.54	730,322.44	32.282532	-103.721804
11,384.00	2.33	222.73	11,348.73	184.77	-483.67	467,053.62	730,319.95	32.282524	-103.721812
11,480.00	2.10	225.43	11,444.65	182.10	-486.25	467,050.95	730,317.38	32.282517	-103.721820
11,576.00	2.10	237.34	11,540.59	179.92	-488.98	467,048.77	730,314.64	32.282511	-103.721829



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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
11,692.00	2.58	243.74	11,656.49	177.62	-493.11	467,046.47	730,310.51	32.282504	-103.721842
11,788.00	12.39	166.40	11,751.68	166.61	-492.63	467,035.46	730,311.00	32.282474	-103.721841
11,862.41	23.82	162.70	11,822.29	144.43	-486.26	467,013.28	730,317.37	32.282413	-103.721821
FTP 100 FNL - 11862.41 MD 11822.29 TVD									
11,883.00	26.99	162.21	11,840.89	136.01	-483.60	467,004.86	730,320.03	32.282390	-103.721812
11,979.00	39.66	163.53	11,920.94	85.69	-468.19	466,954.54	730,335.43	32.282251	-103.721763
12,074.00	50.72	164.22	11,987.79	21.03	-449.54	466,889.88	730,354.09	32.282073	-103.721704
12,169.00	60.79	163.70	12,041.18	-54.34	-427.85	466,814.51	730,375.78	32.281866	-103.721636
12,264.00	68.72	167.82	12,081.68	-137.56	-406.83	466,731.29	730,396.79	32.281637	-103.721569
12,360.00	77.60	173.52	12,109.48	-228.11	-392.06	466,640.74	730,411.56	32.281388	-103.721523
12,455.00	84.05	176.32	12,124.63	-321.47	-383.79	466,547.38	730,419.84	32.281131	-103.721498
12,551.00	88.99	179.34	12,130.45	-417.18	-380.17	466,451.67	730,423.46	32.280868	-103.721488
12,641.00	90.87	180.67	12,130.56	-507.18	-380.17	466,361.67	730,423.45	32.280620	-103.721490
12,730.00	89.40	182.51	12,130.35	-596.14	-382.64	466,272.71	730,420.98	32.280376	-103.721499
12,820.00	90.03	181.98	12,130.80	-686.07	-386.17	466,182.78	730,417.46	32.280129	-103.721512
12,909.00	91.51	179.21	12,129.60	-775.04	-387.09	466,093.81	730,416.53	32.279884	-103.721517
12,999.00	90.64	180.60	12,127.91	-865.02	-386.94	466,003.83	730,416.68	32.279637	-103.721518
13,089.00	89.77	178.61	12,127.59	-955.02	-386.32	465,913.84	730,417.30	32.279389	-103.721518
13,179.00	89.43	179.80	12,128.22	-1,045.00	-385.08	465,823.85	730,418.55	32.279142	-103.721515
13,268.00	92.52	176.83	12,126.71	-1,133.93	-382.46	465,734.92	730,421.17	32.278898	-103.721509
13,358.00	91.78	177.42	12,123.33	-1,223.75	-377.95	465,645.10	730,425.68	32.278651	-103.721496
13,448.00	91.98	178.61	12,120.38	-1,313.65	-374.83	465,555.20	730,428.79	32.278403	-103.721487
13,537.00	91.64	179.12	12,117.57	-1,402.59	-373.07	465,466.26	730,430.55	32.278159	-103.721483
13,627.00	90.84	179.29	12,115.62	-1,492.56	-371.82	465,376.29	730,431.80	32.277912	-103.721481
13,717.00	90.50	179.70	12,114.57	-1,582.55	-371.03	465,286.30	730,432.60	32.277664	-103.721480
13,806.00	90.03	180.81	12,114.15	-1,671.54	-371.43	465,197.31	730,432.20	32.277420	-103.721483
13,895.00	90.87	181.16	12,113.46	-1,760.53	-372.96	465,108.32	730,430.67	32.277175	-103.721489
13,985.00	90.67	178.97	12,112.25	-1,850.51	-373.06	465,018.34	730,430.57	32.276928	-103.721491
14,074.00	90.94	179.19	12,111.00	-1,939.49	-371.63	464,929.36	730,432.00	32.276683	-103.721488
14,164.00	88.83	177.51	12,111.18	-2,029.45	-369.04	464,839.40	730,434.59	32.276436	-103.721482
14,253.00	89.43	179.68	12,112.53	-2,118.40	-366.86	464,750.45	730,436.77	32.276191	-103.721476
14,343.00	88.39	178.71	12,114.24	-2,208.38	-365.59	464,660.47	730,438.03	32.275944	-103.721474
14,432.00	86.78	178.14	12,117.99	-2,297.26	-363.15	464,571.59	730,440.48	32.275700	-103.721468
14,521.00	89.73	179.25	12,120.70	-2,386.18	-361.12	464,482.67	730,442.50	32.275455	-103.721463
14,611.00	93.29	177.99	12,118.33	-2,476.11	-358.96	464,392.74	730,444.67	32.275208	-103.721457
14,700.00	92.08	177.00	12,114.16	-2,564.93	-355.07	464,303.93	730,448.55	32.274964	-103.721446
14,790.00	91.88	177.36	12,111.05	-2,654.76	-350.65	464,214.09	730,452.98	32.274717	-103.721434
14,880.00	92.01	177.38	12,108.00	-2,744.62	-346.52	464,124.23	730,457.11	32.274470	-103.721422
14,970.00	90.23	178.05	12,106.24	-2,834.52	-342.93	464,034.33	730,460.69	32.274222	-103.721412
15,059.00	91.64	175.03	12,104.78	-2,923.34	-337.56	463,945.51	730,466.06	32.273978	-103.721396
15,149.00	89.13	175.54	12,104.18	-3,013.02	-330.17	463,855.83	730,473.46	32.273732	-103.721374
15,238.00	89.30	176.19	12,105.40	-3,101.78	-323.75	463,767.07	730,479.88	32.273488	-103.721355
15,328.00	90.00	181.01	12,105.95	-3,191.73	-321.55	463,677.12	730,482.08	32.273240	-103.721349
15,418.00	87.48	179.76	12,107.93	-3,281.69	-322.16	463,587.16	730,481.47	32.272993	-103.721353
15,507.00	89.16	181.77	12,110.54	-3,370.64	-323.34	463,498.21	730,480.28	32.272749	-103.721359
15,597.00	89.93	180.81	12,111.25	-3,460.61	-325.37	463,408.24	730,478.26	32.272501	-103.721367
15,687.00	88.46	180.57	12,112.52	-3,550.59	-326.45	463,318.26	730,477.17	32.272254	-103.721372
15,809.00	86.47	181.64	12,117.91	-3,672.44	-328.80	463,196.41	730,474.82	32.271919	-103.721382
15,899.00	87.88	180.46	12,122.35	-3,762.32	-330.45	463,106.53	730,473.18	32.271672	-103.721389
15,988.00	89.50	179.41	12,124.38	-3,851.29	-330.35	463,017.56	730,473.28	32.271427	-103.721390
16,078.00	90.67	179.30	12,124.25	-3,941.28	-329.34	462,927.57	730,474.29	32.271180	-103.721388
16,167.00	90.64	179.64	12,123.23	-4,030.27	-328.51	462,838.58	730,475.11	32.270935	-103.721387
16,257.00	87.24	177.51	12,124.90	-4,120.21	-326.28	462,748.64	730,477.35	32.270688	-103.721382
16,347.00	90.34	179.33	12,126.80	-4,210.14	-323.80	462,658.71	730,479.83	32.270441	-103.721376
16,436.00	89.53	178.88	12,126.90	-4,299.13	-322.41	462,569.72	730,481.22	32.270196	-103.721373



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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
16,525.00	87.38	176.53	12,129.30	-4,388.01	-318.84	462,480.84	730,484.78	32.269952	-103.721363
16,615.00	91.55	178.07	12,130.14	-4,477.89	-314.61	462,390.96	730,489.02	32.269705	-103.721351
16,705.00	89.50	176.05	12,129.31	-4,567.76	-309.99	462,301.09	730,493.64	32.269458	-103.721337
16,794.00	89.33	178.25	12,130.22	-4,656.64	-305.57	462,212.22	730,498.06	32.269213	-103.721325
16,884.00	89.09	177.65	12,131.46	-4,746.57	-302.35	462,122.28	730,501.28	32.268966	-103.721316
16,973.00	91.48	178.60	12,131.02	-4,835.51	-299.44	462,033.34	730,504.19	32.268722	-103.721308
17,063.00	88.02	180.97	12,131.41	-4,925.49	-299.10	461,943.36	730,504.53	32.268474	-103.721309
17,152.00	87.75	180.70	12,134.70	-5,014.42	-300.39	461,854.43	730,503.23	32.268230	-103.721315
17,242.00	88.72	180.57	12,137.47	-5,104.37	-301.39	461,764.48	730,502.24	32.267983	-103.721320
17,331.00	89.23	179.84	12,139.06	-5,193.36	-301.71	461,675.49	730,501.92	32.267738	-103.721322
17,421.00	91.38	180.73	12,138.58	-5,283.35	-302.16	461,585.50	730,501.47	32.267491	-103.721325
17,510.00	92.42	180.88	12,135.63	-5,372.29	-303.41	461,496.56	730,500.22	32.267246	-103.721331
17,600.00	92.82	180.63	12,131.52	-5,462.19	-304.59	461,406.66	730,499.04	32.266999	-103.721336
17,690.00	92.72	181.60	12,127.17	-5,552.06	-306.34	461,316.79	730,497.29	32.266752	-103.721344
17,779.00	90.00	181.53	12,125.06	-5,641.00	-308.77	461,227.85	730,494.86	32.266508	-103.721353
17,870.00	88.35	181.40	12,126.37	-5,731.95	-311.10	461,136.90	730,492.53	32.266258	-103.721363
17,959.00	87.51	181.43	12,129.58	-5,820.87	-313.29	461,047.98	730,490.33	32.266013	-103.721371
18,049.00	87.82	181.33	12,133.25	-5,910.77	-315.46	460,958.08	730,488.17	32.265766	-103.721380
18,139.00	87.71	181.27	12,136.76	-6,000.68	-317.50	460,868.18	730,486.13	32.265519	-103.721388
18,228.00	86.54	181.28	12,141.22	-6,089.54	-319.48	460,779.31	730,484.15	32.265275	-103.721396
18,318.00	88.19	179.77	12,145.36	-6,179.44	-320.30	460,689.42	730,483.33	32.265028	-103.721401
18,407.00	88.76	179.68	12,147.73	-6,268.40	-319.87	460,600.45	730,483.75	32.264783	-103.721401
18,497.00	88.35	179.85	12,150.00	-6,358.37	-319.50	460,510.48	730,484.12	32.264536	-103.721401
18,587.00	89.66	180.15	12,151.56	-6,448.36	-319.50	460,420.49	730,484.12	32.264289	-103.721403
18,676.00	89.56	180.53	12,152.17	-6,537.35	-320.03	460,331.50	730,483.59	32.264044	-103.721406
18,766.00	92.49	182.11	12,150.56	-6,627.30	-322.10	460,241.55	730,481.52	32.263797	-103.721415
18,855.00	91.78	182.63	12,147.24	-6,716.16	-325.78	460,152.69	730,477.84	32.263553	-103.721428
18,945.00	91.65	182.23	12,144.55	-6,806.04	-329.60	460,062.81	730,474.03	32.263306	-103.721442
19,034.00	90.94	181.89	12,142.54	-6,894.96	-332.79	459,973.89	730,470.83	32.263061	-103.721454
19,124.00	89.19	181.48	12,142.43	-6,984.92	-335.44	459,883.93	730,468.19	32.262814	-103.721464
19,213.00	85.93	180.90	12,146.22	-7,073.81	-337.29	459,795.04	730,466.34	32.262570	-103.721472
19,303.00	87.95	179.46	12,151.03	-7,163.67	-337.57	459,705.18	730,466.06	32.262323	-103.721475
19,392.00	87.88	179.75	12,154.26	-7,252.61	-336.96	459,616.24	730,466.67	32.262078	-103.721474
19,482.00	88.66	179.40	12,156.98	-7,342.56	-336.29	459,526.29	730,467.34	32.261831	-103.721474
19,572.00	89.87	177.33	12,158.14	-7,432.51	-333.72	459,436.34	730,469.91	32.261584	-103.721467
19,661.00	91.01	178.37	12,157.45	-7,521.45	-330.38	459,347.40	730,473.24	32.261339	-103.721458
19,751.00	91.98	178.20	12,155.10	-7,611.37	-327.69	459,257.48	730,475.94	32.261092	-103.721451
19,841.00	91.38	178.09	12,152.47	-7,701.29	-324.78	459,167.56	730,478.85	32.260845	-103.721443
19,930.00	91.14	178.51	12,150.51	-7,790.23	-322.14	459,078.62	730,481.49	32.260600	-103.721436
20,020.00	91.55	178.54	12,148.40	-7,880.17	-319.82	458,988.68	730,483.81	32.260353	-103.721430
20,110.00	91.08	178.11	12,146.33	-7,970.11	-317.19	458,898.74	730,486.44	32.260106	-103.721424
20,199.00	91.81	177.79	12,144.09	-8,059.02	-314.01	458,809.83	730,489.62	32.259861	-103.721415
20,289.00	92.39	180.18	12,140.79	-8,148.94	-312.42	458,719.91	730,491.21	32.259614	-103.721411
20,379.00	92.02	181.61	12,137.32	-8,238.86	-313.82	458,629.99	730,489.81	32.259367	-103.721418
20,468.00	90.17	183.21	12,135.62	-8,327.76	-317.56	458,541.09	730,486.06	32.259123	-103.721431
20,558.00	87.24	182.29	12,137.66	-8,417.62	-321.88	458,451.23	730,481.75	32.258876	-103.721447
20,648.00	86.44	181.96	12,142.62	-8,507.42	-325.21	458,361.43	730,478.42	32.258629	-103.721459
20,737.00	87.08	181.19	12,147.65	-8,596.25	-327.65	458,272.60	730,475.97	32.258385	-103.721469
20,827.00	87.68	180.80	12,151.76	-8,686.14	-329.21	458,182.71	730,474.41	32.258138	-103.721476
20,917.00	88.15	181.05	12,155.04	-8,776.07	-330.67	458,092.78	730,472.96	32.257891	-103.721482
21,006.00	88.49	181.09	12,157.65	-8,865.01	-332.33	458,003.84	730,471.30	32.257646	-103.721489
21,096.00	87.95	181.56	12,160.44	-8,954.94	-334.41	457,913.91	730,469.22	32.257399	-103.721497
21,185.00	88.42	181.33	12,163.26	-9,043.87	-336.65	457,824.98	730,466.98	32.257155	-103.721506
21,275.00	89.19	182.11	12,165.14	-9,133.81	-339.35	457,735.04	730,464.27	32.256907	-103.721517
21,364.00	90.30	182.68	12,165.53	-9,222.73	-343.07	457,646.12	730,460.56	32.256663	-103.721530



Scientific Drilling, Intl
Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well Right Meow 30-31 Fed Com 711H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Site:	Right Meow 30-31 Fed Com	MD Reference:	HP 165 3592 GL 26 KB @ 3618.00usft
Well:	Right Meow 30-31 Fed Com 711H	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
21,454.00	93.43	184.11	12,162.61	-9,312.51	-348.40	457,556.34	730,455.23	32.256416	-103.721549
21,543.00	93.50	184.26	12,157.23	-9,401.11	-354.88	457,467.74	730,448.75	32.256173	-103.721572
21,633.00	93.06	184.04	12,152.08	-9,490.73	-361.38	457,378.12	730,442.25	32.255927	-103.721595
21,723.00	92.86	184.31	12,147.43	-9,580.37	-367.92	457,288.48	730,435.70	32.255680	-103.721617
21,812.00	92.02	184.76	12,143.64	-9,669.01	-374.96	457,199.84	730,428.67	32.255437	-103.721642
21,901.00	93.90	185.02	12,139.04	-9,757.56	-382.53	457,111.29	730,421.10	32.255194	-103.721668
21,991.00	86.17	183.30	12,138.99	-9,847.25	-389.05	457,021.60	730,414.57	32.254947	-103.721691
22,080.00	84.17	182.97	12,146.48	-9,935.80	-393.90	456,933.05	730,409.72	32.254704	-103.721708
22,170.00	83.67	182.24	12,156.02	-10,025.20	-397.97	456,843.65	730,405.65	32.254458	-103.721723
22,259.00	83.33	181.76	12,166.09	-10,113.57	-401.06	456,755.28	730,402.57	32.254215	-103.721734
22,304.00	83.43	181.68	12,171.28	-10,158.25	-402.40	456,710.60	730,401.23	32.254092	-103.721739
22,357.87	83.43	181.68	12,177.44	-10,211.75	-403.97	456,657.10	730,399.66	32.253945	-103.721746
LTP 100 FSL - 22357.87 MD 12177.44 TVD									
22,360.00	83.43	181.68	12,177.69	-10,213.86	-404.03	456,654.99	730,399.59	32.253940	-103.721746
Actual BH: 97.9 FSL 381.6 FWL - 22360 MD 12177.69 TVD - Y-456654.99 X-730399.60 - 32.253940°N 103.721746°W									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,862.41	11,822.29	144.43	-486.26	FTP 100 FNL
11,862.41	11,822.29	144.43	-486.26	11862.41 MD 11822.29 TVD
22,357.87	12,177.44	-10,211.75	-403.97	LTP 100 FSL
22,357.87	12,177.44	-10,211.75	-403.97	22357.87 MD 12177.44 TVD
22,360.00	12,177.69	-10,213.86	-404.03	Actual BH: 97.9 FSL 381.6 FWL
22,360.00	12,177.69	-10,213.86	-404.03	22360 MD 12177.69 TVD
22,360.00	12,177.69	-10,213.86	-404.03	Y-456654.99 X-730399.60
22,360.00	12,177.69	-10,213.86	-404.03	32.253940°N 103.721746°W

Checked By: _____ Approved By: _____ Date: _____

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

State of New Mexico
 Energy, Minerals and Natural Resources

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

Form C-103
 Revised August 1, 2011

WELL API NO.	30-025-48450
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Right Meow 30-31 Fed Com
8. Well Number	711H
9. OGRID Number	6137
10. Pool name or Wildcat	WC-025 G-08 S243217P; UPR WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ 2. Name of Operator Devon Energy Production Company, L.P. 3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102 4. Well Location Unit Letter <u>1 (lot)</u> : <u>250</u> feet from the <u>North</u> line and <u>840</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> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3591.6'	
--	--

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ OTHER: ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: Completion ☒	
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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 @ 4050'. PT csg for 30min, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 12280' - 22330', total 1516 holes. Frac totals 25,619,015# proppant, 59 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBDT w/ float collar 22,342' MD/12,176' 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@dmn.com PHONE: 405-552-3513
For State Use Only

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

Submit To Appropriate District Office Two Copies 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.		30-025-48450						
		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: 711H				
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator						9. OGRID				
Devon Energy Production Company, L.P.						6137				
10. Address of Operator						11. Pool name or Wildcat				
333 West Sheridan Avenue, Oklahoma City, OK 73102						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	840	West	Lea
BH:		31	23S	32E	4	100	South	382	West	Lea
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		3591.6' GL		
12/6/21	1/13/22	1/16/22		5/2/22						
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run		
22360 MD, 12178 TVD			22,342 MD/12,176 TVD			Yes		CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
12280-22330, 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		11627		9-7/8"		609 sx CIC; circ 0		
5-1/2"		20		22345		7-7/8"		1487 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)										
12280 - 22330, total 1516 holes										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.										
DEPTH INTERVAL					AMOUNT AND KIND MATERIAL USED					
12280-22330					Acidize and frac in 43 stages. See detailed summary attached.					
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
5/2/22		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
5/10/22	24			2960	55	5290	18.58108108			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
psi	psi									
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
Sold										
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								

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 - 1025			
Salt - 1355			
Base of Salt - 4385			
Lamar - 4385			
Delaware - 4625			
Cherry Canyon - 5565			
Brushy Canyon - 6825			
1st Bone Spring Lime - 8450			
1st Bone Spring Sand - 9585			
2nd Bone Spring Sand - 10175			
3rd Bone Spring Lime - 10725			
3rd Bone Spring Sand - 11475			
Wolfcamp - 11890			
Strawn - 13665			

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

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

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 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 107344

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 107344
	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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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

CONDITIONS

Action 107344

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 107344
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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