

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 / 9/16/20
⁴ API Number 30-025-46250	⁵ Pool Name Sand Dunes; Bone Spring	⁶ Pool Code 53800 KZ
⁷ Property Code	⁸ Property Name Purrito 18 Fed Com	⁹ Well Number 214H

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
A	18	23S	32E		71	North	1166	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	23S	32E		156	South	493	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/16/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date	SL			

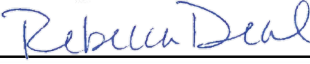
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
036785	DCP Midstream P.O. Box 50020 Midland, TX 79710-0020	Gas
371960	Lucid Energy Delaware, LLC 3100 McKinnon St., Ste. 800, Dallas, TX 75201	Gas
320009	EnLink Midstream Operating, LP 2501 Cedar Springs Road, Suite 100, Dallas, TX 75201	Oil

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
1/16/20	9/16/20	15,609'	15,590'	10683 - 15575	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	1009'	1055 sx CIC; Circ 472 sx		
12.25	9.625	8924'	1630 sx CIC; Circ 0 sx		
8.75 & 8.5	5.5	15,595'	1130 sx CIC; Circ 1 sx		
	Tubing: 2-7/8"	10,339'	Squeeze - 1725 sxs CIC		

V. Well Test Data

³¹ Date New Oil 10/6/20	³² Gas Delivery Date 10/6/20	³³ Test Date 10/6/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0 psi	³⁶ Csg. Pressure psi
³⁷ Choke Size	³⁸ Oil 1063 bbl	³⁹ Water 1182 bbl	⁴⁰ Gas 1539 mcf		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Rebecca Deal			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: LM II		
E-mail Address: Rebecca.Deal@dmn.com			Approval Date: 3/8/2021		
Date: 10/12/2020		Phone: 405-228-8429	Request for NMOCD extension of time to file BLM-Approved form 3160-4. File 3160-4 with 10 days to NMOCD after BLM Approval.		

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: (505) 748-1283 Fax: (505) 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 30-025-46250	² Pool Code 53800	³ Pool Name SAND DUNES;BONE SPRING KZ
⁴ Property Code 327016	⁵ Property Name PURRITO 18 FED COM	⁶ Well Number 214H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3571.1

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
A	18	23 S	32 E		71	NORTH	1166	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface**SL**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	23 S	32 E		156	SOUTH	493	EAST	LEA

¹² Dedicated Acres 160	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.

N89°21'06"E 2840.72 FT NW CORNER SEC. 18 LAT. = 32.3116930°N LONG. = 103.7229595°W NMSP EAST (FT) N = 477663.17 E = 729904.77 LOT 1 AS-DRILLED KOP 207' FNL, 193' FEL LAT. = 32.3112023°N LONG. = 103.7058459°W NMSP EAST (FT) N = 477515.18 E = 735192.93 LOT 2 W/4 CORNER SEC. 18 LAT. = 32.3044384°N LONG. = 103.7229618°W NMSP EAST (FT) N = 475023.97 E = 729919.08 LOT 3 SW CORNER SEC. 18 LAT. = 32.2971933°N LONG. = 103.7229608°W NMSP EAST (FT) N = 472388.26 E = 729934.39 LOT 4 AS-DRILLED LAST TAKE POINT 190' FSL, 494' FEL LAT. = 32.2977824°N LONG. = 103.7068068°W NMSP EAST (FT) N = 472631.35 E = 734924.59 SE CORNER SEC. 18 LAT. = 32.2972667°N LONG. = 103.7052095°W NMSP EAST (FT) N = 472446.64 E = 735419.26 DNF S89°23'25"W 2743.19 FT		N89°21'58"E 2640.54 FT NE CORNER SEC. 18 LAT. = 32.3117746°N LONG. = 103.7052219°W NMSP EAST (FT) N = 477724.51 E = 735384.50 E/4 CORNER SEC. 18 LAT. = 32.3045169°N LONG. = 103.7052099°W NMSP EAST (FT) N = 475084.23 E = 735403.66 AS-DRILLED BOTTOM OF HOLE LAT. = 32.2976891°N LONG. = 103.7068044°W NMSP EAST (FT) N = 472597.41 E = 734925.53 LTP BHL 156' 493' S00°20'20"E 2638.21 FT		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>Rebecca Deal</i> 10/8/2020 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@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. OCTOBER 2, 2018 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: 12797 Certificate Number: 12797 Survey No. 6579
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Intent ☐ As Drilled ☒

API # 30-025-46250		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: PURRITO 18 FED COM	Well Number 214H

Kick Off Point (KOP)

UL A	Section 18	Township 23S	Range 32E	Lot	Feet 207	From N/S NORTH	Feet 193	From E/W EAST	County LEA
Latitude 32.3112023					Longitude 103.7058459				NAD 83

First Take Point (FTP)

UL A	Section 18	Township 23S	Range 32E	Lot	Feet 324	From N/S NORTH	Feet 324	From E/W EAST	County LEA
Latitude 32.3108783					Longitude 103.7062691				NAD 83

Last Take Point (LTP)

UL P	Section 18	Township 23S	Range 32E	Lot	Feet 190	From N/S SOUTH	Feet 494	From E/W EAST	County LEA
Latitude 32.2977824					Longitude 103.7068068				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 #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Devon

SURVEY REPORT

Purrito 18 Fed Com 214H

Patterson 575

I, Deanna Jacobs, certify the surveys supplied on
Purrito 18 Fed Com 214H are correct and accurate to the best of my
knowledge and are supported by actual field data.

Deanna Jacobs

Date: 6/25/2020



The **Ultimate Partner** In Wellbore Placement



Devon Energy

Lea County, NM (NAD83 NME)

Purrito 18 Fed Com

#214H

OH

Design: As Drilled

Standard Survey Report

10 February, 2020



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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		Using geodetic scale factor

Site	Purrito 18 Fed Com		
Site Position:		Northing:	477,640.29 usft
From:	Map	Easting:	734,189.34 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.311562
		Longitude:	-103.709092
		Grid Convergence:	0.33 °

Well	#214H		
Well Position	+N/-S	0.00 usft	Northing: 477,640.62 usft
	+E/-W	0.00 usft	Easting: 734,219.33 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.311563
		Longitude:	-103.708995
		Ground Level:	3,571.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM_FILE	11/14/2019	6.72
			Dip Angle (°) 60.02
			Field Strength (nT) 47,937.60000000

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)
	0.00	0.00	0.00
			Direction (°) 172.23

Survey Program	Date 2/10/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
142.00	15,609.00	SDI Survey #1 (OH)	MWD+HDGM
			Description 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	
142.00	1.15	336.78	141.99	1.31	-0.56	-1.37	0.81	0.81	0.00	
202.00	1.05	331.63	201.98	2.35	-1.06	-2.47	0.23	-0.17	-8.58	
292.00	1.14	347.38	291.96	3.95	-1.65	-4.13	0.35	0.10	17.50	
384.00	1.07	348.08	383.95	5.68	-2.03	-5.90	0.08	-0.08	0.76	
474.00	0.99	348.29	473.93	7.26	-2.36	-7.52	0.09	-0.09	0.23	
565.00	1.36	341.96	564.91	9.06	-2.85	-9.36	0.43	0.41	-6.96	
655.00	1.35	338.92	654.89	11.06	-3.56	-11.44	0.08	-0.01	-3.38	
745.00	1.27	345.28	744.86	13.02	-4.20	-13.47	0.18	-0.09	7.07	
836.00	1.45	330.32	835.84	14.99	-5.02	-15.54	0.44	0.20	-16.44	



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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)
927.00	1.32	330.97	926.81	16.91	-6.10	-17.58	0.14	-0.14	0.71
1,064.00	1.58	328.89	1,063.77	19.91	-7.84	-20.79	0.19	0.19	-1.52
1,155.00	1.99	323.58	1,154.72	22.25	-9.43	-23.32	0.49	0.45	-5.84
1,246.00	2.67	319.86	1,245.65	25.14	-11.73	-26.50	0.77	0.75	-4.09
1,337.00	3.66	318.44	1,336.51	28.94	-15.03	-30.71	1.09	1.09	-1.56
1,428.00	4.50	319.10	1,427.28	33.81	-19.29	-36.11	0.92	0.92	0.73
1,519.00	4.65	311.20	1,517.99	38.94	-24.41	-41.88	0.71	0.16	-8.68
1,610.00	4.23	300.15	1,608.72	43.05	-30.08	-46.73	1.04	-0.46	-12.14
1,706.00	3.14	292.66	1,704.52	45.85	-35.57	-50.24	1.24	-1.14	-7.80
1,801.00	2.96	285.32	1,799.38	47.50	-40.34	-52.52	0.45	-0.19	-7.73
1,896.00	2.22	276.62	1,894.28	48.36	-44.53	-53.94	0.88	-0.78	-9.16
1,990.00	1.24	225.61	1,988.25	47.85	-47.07	-53.78	1.84	-1.04	-54.27
2,085.00	1.78	160.00	2,083.22	45.75	-47.30	-51.73	1.79	0.57	-69.06
2,181.00	3.53	144.60	2,179.11	41.94	-45.07	-47.65	1.95	1.82	-16.04
2,276.00	4.58	141.57	2,273.87	36.58	-41.02	-41.80	1.13	1.11	-3.19
2,371.00	6.71	139.52	2,368.41	29.39	-35.06	-33.86	2.25	2.24	-2.16
2,467.00	8.20	137.90	2,463.59	20.04	-26.83	-23.49	1.57	1.55	-1.69
2,562.00	9.19	137.44	2,557.50	9.43	-17.16	-11.66	1.04	1.04	-0.48
2,658.00	9.95	128.93	2,652.17	-1.43	-5.52	0.67	1.67	0.79	-8.86
2,752.00	10.84	119.15	2,744.63	-10.84	8.52	11.89	2.10	0.95	-10.40
2,847.00	11.74	115.05	2,837.79	-19.28	25.08	22.50	1.27	0.95	-4.32
2,942.00	12.01	103.92	2,930.77	-25.76	43.43	31.39	2.42	0.28	-11.72
3,037.00	10.93	95.47	3,023.88	-28.99	61.99	37.11	2.10	-1.14	-8.89
3,132.00	9.55	89.06	3,117.37	-29.72	78.84	40.11	1.88	-1.45	-6.75
3,228.00	9.77	86.15	3,212.01	-29.04	94.93	41.62	0.56	0.23	-3.03
3,323.00	10.38	80.29	3,305.55	-27.06	111.41	41.88	1.25	0.64	-6.17
3,418.00	11.04	78.28	3,398.89	-23.77	128.75	40.97	0.80	0.69	-2.12
3,512.00	9.88	79.67	3,491.33	-20.49	145.49	39.99	1.26	-1.23	1.48
3,608.00	9.44	78.94	3,585.97	-17.51	161.32	39.17	0.48	-0.46	-0.76
3,702.00	9.50	76.81	3,678.69	-14.26	176.44	37.99	0.38	0.06	-2.27
3,797.00	10.18	77.50	3,772.29	-10.65	192.27	36.56	0.73	0.72	0.73
3,893.00	11.11	80.80	3,866.63	-7.34	209.68	35.63	1.16	0.97	3.44
3,988.00	10.31	85.71	3,959.98	-5.24	227.20	35.92	1.28	-0.84	5.17
4,083.00	8.71	88.97	4,053.67	-4.47	242.87	37.29	1.78	-1.68	3.43
4,177.00	9.68	92.48	4,146.46	-4.69	257.88	39.53	1.19	1.03	3.73
4,272.00	10.92	95.01	4,239.93	-5.82	274.82	42.94	1.39	1.31	2.66
4,367.00	12.33	97.33	4,332.98	-7.90	293.85	47.58	1.56	1.48	2.44
4,462.00	10.90	97.13	4,426.03	-10.31	312.82	52.53	1.51	-1.51	-0.21
4,557.00	9.24	93.90	4,519.57	-11.94	329.35	56.38	1.85	-1.75	-3.40
4,653.00	7.96	91.77	4,614.49	-12.67	343.68	59.05	1.37	-1.33	-2.22
4,748.00	8.14	90.48	4,708.55	-12.93	356.98	61.10	0.27	0.19	-1.36
4,844.00	9.16	88.43	4,803.46	-12.78	371.42	62.90	1.11	1.06	-2.14
4,938.00	8.46	89.34	4,896.35	-12.49	385.81	64.57	0.76	-0.74	0.97
5,034.00	7.01	89.70	4,991.47	-12.38	398.73	66.21	1.51	-1.51	0.38



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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)
5,129.00	5.51	89.28	5,085.90	-12.29	409.09	67.52	1.58	-1.58	-0.44
5,225.00	5.64	88.84	5,181.45	-12.14	418.41	68.63	0.14	0.14	-0.46
5,320.00	5.16	86.48	5,276.03	-11.78	427.34	69.48	0.56	-0.51	-2.48
5,416.00	5.39	85.95	5,371.62	-11.20	436.15	70.10	0.24	0.24	-0.55
5,511.00	5.17	87.45	5,466.22	-10.69	444.88	70.78	0.27	-0.23	1.58
5,606.00	4.56	86.63	5,560.88	-10.28	452.92	71.46	0.65	-0.64	-0.86
5,701.00	4.67	86.61	5,655.57	-9.83	460.55	72.04	0.12	0.12	-0.02
5,796.00	4.68	88.37	5,750.25	-9.49	468.29	72.75	0.15	0.01	1.85
5,892.00	4.88	85.07	5,845.92	-9.03	476.27	73.38	0.35	0.21	-3.44
5,986.00	5.10	83.63	5,939.56	-8.22	484.41	73.68	0.27	0.23	-1.53
6,081.00	5.47	84.11	6,034.16	-7.29	493.11	73.93	0.39	0.39	0.51
6,176.00	5.69	81.66	6,128.71	-6.14	502.27	74.03	0.34	0.23	-2.58
6,271.00	6.29	82.30	6,223.19	-4.76	512.09	73.99	0.64	0.63	0.67
6,366.00	6.81	80.96	6,317.57	-3.18	522.81	73.87	0.57	0.55	-1.41
6,460.00	7.56	78.54	6,410.83	-1.07	534.37	73.35	0.86	0.80	-2.57
6,555.00	8.19	76.46	6,504.93	1.75	547.08	72.27	0.73	0.66	-2.19
6,650.00	8.80	74.85	6,598.89	5.24	560.67	70.66	0.69	0.64	-1.69
6,745.00	9.27	73.58	6,692.71	9.30	575.02	68.58	0.54	0.49	-1.34
6,840.00	9.64	73.27	6,786.42	13.75	589.98	66.19	0.39	0.39	-0.33
6,935.00	10.37	72.44	6,879.98	18.62	605.75	63.50	0.78	0.77	-0.87
7,031.00	10.43	71.72	6,974.40	23.95	622.24	60.44	0.15	0.06	-0.75
7,126.00	10.06	72.48	7,067.88	29.15	638.32	57.47	0.41	-0.39	0.80
7,222.00	9.77	73.47	7,162.45	33.99	654.12	54.81	0.35	-0.30	1.03
7,303.00	10.09	72.31	7,242.24	38.10	667.47	52.54	0.47	0.40	-1.43
7,398.00	10.28	71.37	7,335.74	43.34	683.43	49.51	0.27	0.20	-0.99
7,494.00	10.29	72.90	7,430.20	48.59	699.74	46.51	0.28	0.01	1.59
7,589.00	10.33	75.13	7,523.66	53.28	716.08	44.09	0.42	0.04	2.35
7,693.00	9.14	81.76	7,626.17	56.85	733.27	42.87	1.57	-1.14	6.38
7,789.00	7.82	93.18	7,721.12	57.58	747.34	44.05	2.22	-1.38	11.90
7,884.00	7.20	96.69	7,815.31	56.53	759.71	46.76	0.81	-0.65	3.69
7,980.00	7.06	95.50	7,910.56	55.26	771.55	49.62	0.21	-0.15	-1.24
8,074.00	6.94	93.26	8,003.86	54.39	782.97	52.03	0.32	-0.13	-2.38
8,168.00	7.08	93.49	8,097.16	53.71	794.43	54.25	0.15	0.15	0.24
8,264.00	8.15	95.65	8,192.31	52.68	807.10	56.99	1.15	1.11	2.25
8,359.00	9.66	95.25	8,286.17	51.29	821.74	60.35	1.59	1.59	-0.42
8,454.00	11.34	93.54	8,379.57	49.98	839.00	63.98	1.80	1.77	-1.80
8,549.00	13.13	92.09	8,472.41	49.01	859.11	67.66	1.91	1.88	-1.53
8,644.00	15.25	89.08	8,564.51	48.82	882.39	71.00	2.36	2.23	-3.17
8,739.00	16.67	86.60	8,655.85	49.83	908.48	73.53	1.66	1.49	-2.61
8,834.00	18.12	84.52	8,746.50	52.05	936.79	75.16	1.66	1.53	-2.19
8,881.00	18.73	83.79	8,791.09	53.56	951.57	75.66	1.39	1.30	-1.55
8,986.00	16.37	91.92	8,891.21	54.89	983.13	78.61	3.24	-2.25	7.74
9,081.00	14.49	107.80	8,982.82	50.81	1,007.84	86.00	4.85	-1.98	16.72



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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)
9,176.00	14.19	118.59	9,074.88	41.60	1,029.38	98.04	2.83	-0.32	11.36
9,272.00	13.57	129.95	9,168.09	28.73	1,048.35	113.35	2.91	-0.65	11.83
9,366.00	12.19	137.04	9,259.73	14.39	1,063.57	129.62	2.23	-1.47	7.54
9,460.00	10.43	150.02	9,351.92	-0.25	1,074.59	145.61	3.28	-1.87	13.81
9,556.00	9.36	161.33	9,446.50	-15.17	1,081.43	161.33	2.31	-1.11	11.78
9,651.00	9.02	191.55	9,540.33	-29.80	1,082.41	175.95	5.04	-0.36	31.81
9,746.00	10.59	219.86	9,634.00	-43.80	1,075.32	188.87	5.27	1.65	29.80
9,841.00	9.73	216.47	9,727.51	-56.96	1,064.95	200.50	1.10	-0.91	-3.57
9,936.00	10.06	232.94	9,821.11	-68.42	1,053.56	210.31	2.99	0.35	17.34
10,031.00	11.16	229.01	9,914.49	-79.45	1,040.00	219.41	1.39	1.16	-4.14
10,126.00	12.90	238.77	10,007.41	-90.98	1,023.99	228.67	2.81	1.83	10.27
10,221.00	14.23	239.90	10,099.75	-102.33	1,004.82	237.32	1.43	1.40	1.19
10,316.00	19.09	230.25	10,190.76	-118.13	982.75	249.99	5.87	5.12	-10.16
10,411.00	23.34	231.00	10,279.30	-139.92	956.17	267.99	4.48	4.47	0.79
10,456.00	26.80	229.65	10,320.05	-152.10	941.51	278.07	7.79	7.69	-3.00
10,506.00	30.54	228.41	10,363.92	-167.84	923.41	291.22	7.57	7.48	-2.48
10,559.00	35.75	228.17	10,408.28	-187.12	901.79	307.39	9.83	9.83	-0.45
10,600.00	39.64	226.44	10,440.71	-204.12	883.38	321.75	9.83	9.49	-4.22
10,647.00	43.77	224.18	10,475.80	-226.12	861.17	340.55	9.35	8.79	-4.81
10,696.00	47.66	224.02	10,510.00	-251.31	836.77	362.20	7.94	7.94	-0.33
10,743.00	51.11	222.93	10,540.60	-277.20	812.23	384.53	7.55	7.34	-2.32
10,791.00	54.70	222.02	10,569.54	-305.44	786.39	409.02	7.63	7.48	-1.90
10,838.00	57.84	220.49	10,595.64	-334.83	760.62	434.65	7.21	6.68	-3.26
10,886.00	59.38	217.24	10,620.64	-366.73	734.93	462.78	6.61	3.21	-6.77
10,933.00	60.97	213.13	10,644.03	-400.05	711.45	492.62	8.31	3.38	-8.74
10,982.00	64.81	207.06	10,666.37	-437.78	689.63	527.04	13.52	7.84	-12.39
11,029.00	71.28	201.71	10,683.94	-477.46	671.69	563.94	17.34	13.77	-11.38
11,078.00	77.36	195.45	10,697.19	-522.14	656.71	606.18	17.47	12.41	-12.78
11,124.00	81.79	188.56	10,705.52	-566.36	647.33	648.72	17.60	9.63	-14.98
11,173.00	87.65	181.35	10,710.03	-614.92	643.14	696.27	18.91	11.96	-14.71
11,268.00	92.42	177.97	10,709.98	-709.87	643.70	790.43	6.15	5.02	-3.56
11,362.00	91.24	175.47	10,706.97	-803.66	649.08	884.08	2.94	-1.26	-2.66
11,457.00	91.48	174.90	10,704.72	-898.30	657.05	978.93	0.65	0.25	-0.60
11,551.00	89.16	172.61	10,704.19	-991.73	667.27	1,072.88	3.47	-2.47	-2.44
11,645.00	90.10	175.23	10,704.80	-1,085.19	677.23	1,166.83	2.96	1.00	2.79
11,741.00	89.90	175.40	10,704.80	-1,180.87	685.07	1,262.69	0.27	-0.21	0.18
11,836.00	89.50	174.35	10,705.30	-1,275.48	693.55	1,357.58	1.18	-0.42	-1.11
11,932.00	89.40	175.14	10,706.22	-1,371.07	702.35	1,453.48	0.83	-0.10	0.82
12,026.00	89.19	175.77	10,707.38	-1,464.77	709.79	1,547.33	0.71	-0.22	0.67
12,121.00	91.34	179.10	10,706.94	-1,559.66	714.04	1,641.91	4.17	2.26	3.51
12,216.00	91.61	179.15	10,704.49	-1,654.61	715.50	1,736.20	0.29	0.28	0.05
12,310.00	90.80	178.37	10,702.52	-1,748.57	717.53	1,829.56	1.20	-0.86	-0.83
12,406.00	89.73	176.31	10,702.07	-1,844.46	721.98	1,925.17	2.42	-1.11	-2.15



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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)
12,500.00	89.83	175.98	10,702.43	-1,938.25	728.30	2,018.95	0.37	0.11	-0.35
12,596.00	89.56	175.89	10,702.94	-2,034.00	735.11	2,114.75	0.30	-0.28	-0.09
12,691.00	89.60	175.69	10,703.64	-2,128.74	742.08	2,209.56	0.21	0.04	-0.21
12,786.00	89.40	177.26	10,704.47	-2,223.56	747.92	2,304.30	1.67	-0.21	1.65
12,881.00	89.20	177.38	10,705.63	-2,318.45	752.36	2,398.91	0.25	-0.21	0.13
12,977.00	88.56	179.53	10,707.51	-2,414.39	754.95	2,494.32	2.34	-0.67	2.24
13,072.00	88.59	179.20	10,709.87	-2,509.35	756.01	2,588.56	0.35	0.03	-0.35
13,168.00	88.59	180.70	10,712.23	-2,605.32	756.09	2,683.65	1.56	0.00	1.56
13,263.00	88.59	180.72	10,714.57	-2,700.28	754.91	2,777.58	0.02	0.00	0.02
13,358.00	88.42	179.31	10,717.05	-2,795.25	754.89	2,871.67	1.49	-0.18	-1.48
13,452.00	88.62	180.90	10,719.48	-2,889.21	754.72	2,964.75	1.70	0.21	1.69
13,547.00	88.79	180.84	10,721.62	-2,984.18	753.27	3,058.65	0.19	0.18	-0.06
13,640.00	89.50	182.51	10,723.01	-3,077.12	750.55	3,150.37	1.95	0.76	1.80
13,735.00	88.86	182.51	10,724.37	-3,172.02	746.39	3,243.84	0.67	-0.67	0.00
13,831.00	88.39	182.28	10,726.67	-3,267.91	742.38	3,338.30	0.55	-0.49	-0.24
13,926.00	87.42	182.45	10,730.15	-3,362.77	738.47	3,431.75	1.04	-1.02	0.18
14,021.00	89.77	183.06	10,732.48	-3,457.62	733.90	3,525.12	2.56	2.47	0.64
14,115.00	90.67	183.42	10,732.11	-3,551.47	728.59	3,617.38	1.03	0.96	0.38
14,210.00	90.80	183.51	10,730.90	-3,646.29	722.85	3,710.55	0.17	0.14	0.09
14,306.00	90.71	182.65	10,729.63	-3,742.14	717.69	3,804.83	0.90	-0.09	-0.90
14,401.00	90.57	182.35	10,728.57	-3,837.04	713.55	3,898.30	0.35	-0.15	-0.32
14,496.00	90.24	181.84	10,727.90	-3,931.98	710.07	3,991.89	0.64	-0.35	-0.54
14,591.00	90.13	181.77	10,727.59	-4,026.93	707.08	4,085.56	0.14	-0.12	-0.07
14,686.00	90.10	181.45	10,727.40	-4,121.89	704.41	4,179.29	0.34	-0.03	-0.34
14,781.00	89.70	181.40	10,727.57	-4,216.86	702.05	4,273.07	0.42	-0.42	-0.05
14,876.00	89.50	181.27	10,728.23	-4,311.83	699.84	4,366.87	0.25	-0.21	-0.14
14,971.00	89.19	180.58	10,729.32	-4,406.81	698.30	4,460.77	0.80	-0.33	-0.73
15,066.00	88.86	180.12	10,730.93	-4,501.80	697.72	4,554.80	0.60	-0.35	-0.48
15,161.00	88.83	179.49	10,732.85	-4,596.78	698.05	4,648.95	0.66	-0.03	-0.66
15,256.00	87.86	179.49	10,735.59	-4,691.73	698.89	4,743.15	1.02	-1.02	0.00
15,351.00	87.62	179.19	10,739.34	-4,786.65	699.99	4,837.34	0.40	-0.25	-0.32
15,446.00	87.15	178.50	10,743.67	-4,881.53	701.90	4,931.61	0.88	-0.49	-0.73
15,543.00	87.35	178.40	10,748.33	-4,978.39	704.52	5,027.93	0.23	0.21	-0.10
MWD Survey (15543.00' MD)									
15,609.00	87.35	178.40	10,751.38	-5,044.29	706.36	5,093.48	0.00	0.00	0.00
Proj. to Bit (15609.00' MD)									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,543.00	10,748.33	-4,978.39	704.52	MWD Survey (15543.00' MD)
15,609.00	10,751.38	-5,044.29	706.36	Proj. to Bit (15609.00' MD)

**Scientific Drilling, Intl**
Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Checked By: _____	Approved By: _____	Date: _____
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Devon Energy

Lea County, NM (NAD83 NME)

Purrito 18 Fed Com

#214H

OH

Design: As Drilled

Survey Report - Geographic

10 February, 2020



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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		Using geodetic scale factor

Site	Purrito 18 Fed Com		
Site Position:		Northing:	477,640.29 usft
From:	Map	Easting:	734,189.34 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.311562
		Longitude:	-103.709092
		Grid Convergence:	0.33 °

Well	#214H		
Well Position	+N/-S	0.00 usft	Northing: 477,640.62 usft
	+E/-W	0.00 usft	Easting: 734,219.33 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.311563
		Longitude:	-103.708995
		Ground Level:	3,571.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM_FILE	11/14/2019	6.72
			Dip Angle (°) 60.02
			Field Strength (nT) 47,937.60000000

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)
	0.00	0.00	0.00
			Direction (°) 172.23

Survey Program	Date 2/10/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
142.00	15,609.00	SDI Survey #1 (OH)	MWD+HDGM
			Description 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	477,640.62	734,219.33	32.311563	-103.708995
142.00	1.15	336.78	141.99	1.31	-0.56	477,641.93	734,218.76	32.311566	-103.708997
202.00	1.05	331.63	201.98	2.35	-1.06	477,642.97	734,218.27	32.311569	-103.708998
292.00	1.14	347.38	291.96	3.95	-1.65	477,644.57	734,217.68	32.311574	-103.709000
384.00	1.07	348.08	383.95	5.68	-2.03	477,646.30	734,217.30	32.311578	-103.709002
474.00	0.99	348.29	473.93	7.26	-2.36	477,647.88	734,216.97	32.311583	-103.709003
565.00	1.36	341.96	564.91	9.06	-2.85	477,649.68	734,216.48	32.311588	-103.709004
655.00	1.35	338.92	654.89	11.06	-3.56	477,651.68	734,215.76	32.311593	-103.709006
745.00	1.27	345.28	744.86	13.02	-4.20	477,653.64	734,215.13	32.311599	-103.709008
836.00	1.45	330.32	835.84	14.99	-5.02	477,655.61	734,214.30	32.311604	-103.709011
927.00	1.32	330.97	926.81	16.91	-6.10	477,657.53	734,213.22	32.311609	-103.709015
1,064.00	1.58	328.89	1,063.77	19.91	-7.84	477,660.53	734,211.48	32.311618	-103.709020



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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
1,155.00	1.99	323.58	1,154.72	22.25	-9.43	477,662.87	734,209.90	32.311624	-103.709025
1,246.00	2.67	319.86	1,245.65	25.14	-11.73	477,665.76	734,207.59	32.311632	-103.709033
1,337.00	3.66	318.44	1,336.51	28.94	-15.03	477,669.56	734,204.30	32.311643	-103.709043
1,428.00	4.50	319.10	1,427.28	33.81	-19.29	477,674.43	734,200.03	32.311656	-103.709057
1,519.00	4.65	311.20	1,517.99	38.94	-24.41	477,679.56	734,194.92	32.311670	-103.709073
1,610.00	4.23	300.15	1,608.72	43.05	-30.08	477,683.67	734,189.25	32.311682	-103.709092
1,706.00	3.14	292.66	1,704.52	45.85	-35.57	477,686.46	734,183.76	32.311689	-103.709109
1,801.00	2.96	285.32	1,799.38	47.50	-40.34	477,688.11	734,178.99	32.311694	-103.709125
1,896.00	2.22	276.62	1,894.28	48.36	-44.53	477,688.97	734,174.80	32.311696	-103.709138
1,990.00	1.24	225.61	1,988.25	47.85	-47.07	477,688.47	734,172.26	32.311695	-103.709147
2,085.00	1.78	160.00	2,083.22	45.75	-47.30	477,686.37	734,172.03	32.311689	-103.709147
2,181.00	3.53	144.60	2,179.11	41.94	-45.07	477,682.56	734,174.25	32.311679	-103.709140
2,276.00	4.58	141.57	2,273.87	36.58	-41.02	477,677.20	734,178.31	32.311664	-103.709127
2,371.00	6.71	139.52	2,368.41	29.39	-35.06	477,670.01	734,184.27	32.311644	-103.709108
2,467.00	8.20	137.90	2,463.59	20.04	-26.83	477,660.66	734,192.50	32.311618	-103.709082
2,562.00	9.19	137.44	2,557.50	9.43	-17.16	477,650.05	734,202.17	32.311589	-103.709050
2,658.00	9.95	128.93	2,652.17	-1.43	-5.52	477,639.19	734,213.81	32.311559	-103.709013
2,752.00	10.84	119.15	2,744.63	-10.84	8.52	477,629.78	734,227.85	32.311533	-103.708968
2,847.00	11.74	115.05	2,837.79	-19.28	25.08	477,621.34	734,244.40	32.311509	-103.708914
2,942.00	12.01	103.92	2,930.77	-25.76	43.43	477,614.87	734,262.75	32.311491	-103.708855
3,037.00	10.93	95.47	3,023.88	-28.99	61.99	477,611.63	734,281.31	32.311482	-103.708795
3,132.00	9.55	89.06	3,117.37	-29.72	78.84	477,610.90	734,298.16	32.311480	-103.708740
3,228.00	9.77	86.15	3,212.01	-29.04	94.93	477,611.58	734,314.25	32.311481	-103.708688
3,323.00	10.38	80.29	3,305.55	-27.06	111.41	477,613.56	734,330.73	32.311487	-103.708635
3,418.00	11.04	78.28	3,398.89	-23.77	128.75	477,616.85	734,348.07	32.311495	-103.708579
3,512.00	9.88	79.67	3,491.33	-20.49	145.49	477,620.13	734,364.81	32.311504	-103.708525
3,608.00	9.44	78.94	3,585.97	-17.51	161.32	477,623.12	734,380.64	32.311512	-103.708473
3,702.00	9.50	76.81	3,678.69	-14.26	176.44	477,626.36	734,395.76	32.311521	-103.708424
3,797.00	10.18	77.50	3,772.29	-10.65	192.27	477,629.97	734,411.59	32.311530	-103.708373
3,893.00	11.11	80.80	3,866.63	-7.34	209.68	477,633.28	734,429.00	32.311539	-103.708317
3,988.00	10.31	85.71	3,959.98	-5.24	227.20	477,635.38	734,446.51	32.311545	-103.708260
4,083.00	8.71	88.97	4,053.67	-4.47	242.87	477,636.15	734,462.18	32.311547	-103.708209
4,177.00	9.68	92.48	4,146.46	-4.69	257.88	477,635.94	734,477.19	32.311546	-103.708161
4,272.00	10.92	95.01	4,239.93	-5.82	274.82	477,634.80	734,494.14	32.311542	-103.708106
4,367.00	12.33	97.33	4,332.98	-7.90	293.85	477,632.72	734,513.16	32.311536	-103.708044
4,462.00	10.90	97.13	4,426.03	-10.31	312.82	477,630.32	734,532.14	32.311529	-103.707983
4,557.00	9.24	93.90	4,519.57	-11.94	329.35	477,628.68	734,548.66	32.311525	-103.707929
4,653.00	7.96	91.77	4,614.49	-12.67	343.68	477,627.95	734,562.99	32.311522	-103.707883
4,748.00	8.14	90.48	4,708.55	-12.93	356.98	477,627.69	734,576.29	32.311522	-103.707840
4,844.00	9.16	88.43	4,803.46	-12.78	371.42	477,627.84	734,590.72	32.311522	-103.707793
4,938.00	8.46	89.34	4,896.35	-12.49	385.81	477,628.13	734,605.12	32.311522	-103.707747
5,034.00	7.01	89.70	4,991.47	-12.38	398.73	477,628.24	734,618.04	32.311522	-103.707705
5,129.00	5.51	89.28	5,085.90	-12.29	409.09	477,628.33	734,628.39	32.311522	-103.707671
5,225.00	5.64	88.84	5,181.45	-12.14	418.41	477,628.48	734,637.72	32.311523	-103.707641
5,320.00	5.16	86.48	5,276.03	-11.78	427.34	477,628.84	734,646.65	32.311524	-103.707612
5,416.00	5.39	85.95	5,371.62	-11.20	436.15	477,629.42	734,655.46	32.311525	-103.707584
5,511.00	5.17	87.45	5,466.22	-10.69	444.88	477,629.93	734,664.18	32.311526	-103.707555
5,606.00	4.56	86.63	5,560.88	-10.28	452.92	477,630.34	734,672.23	32.311527	-103.707529
5,701.00	4.67	86.61	5,655.57	-9.83	460.55	477,630.79	734,679.86	32.311528	-103.707505
5,796.00	4.68	88.37	5,750.25	-9.49	468.29	477,631.13	734,687.59	32.311529	-103.707480
5,892.00	4.88	85.07	5,845.92	-9.03	476.27	477,631.59	734,695.57	32.311530	-103.707454
5,986.00	5.10	83.63	5,939.56	-8.22	484.41	477,632.40	734,703.71	32.311532	-103.707427
6,081.00	5.47	84.11	6,034.16	-7.29	493.11	477,633.33	734,712.41	32.311535	-103.707399
6,176.00	5.69	81.66	6,128.71	-6.14	502.27	477,634.48	734,721.57	32.311538	-103.707370
6,271.00	6.29	82.30	6,223.19	-4.76	512.09	477,635.86	734,731.39	32.311541	-103.707338



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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
6,366.00	6.81	80.96	6,317.57	-3.18	522.81	477,637.44	734,742.11	32.311546	-103.707303
6,460.00	7.56	78.54	6,410.83	-1.07	534.37	477,639.55	734,753.67	32.311551	-103.707266
6,555.00	8.19	76.46	6,504.93	1.75	547.08	477,642.37	734,766.38	32.311559	-103.707224
6,650.00	8.80	74.85	6,598.89	5.24	560.67	477,645.86	734,779.97	32.311568	-103.707180
6,745.00	9.27	73.58	6,692.71	9.30	575.02	477,649.92	734,794.32	32.311579	-103.707134
6,840.00	9.64	73.27	6,786.42	13.75	589.98	477,654.37	734,809.28	32.311591	-103.707085
6,935.00	10.37	72.44	6,879.98	18.62	605.75	477,659.24	734,825.05	32.311604	-103.707034
7,031.00	10.43	71.72	6,974.40	23.95	622.24	477,664.57	734,841.53	32.311619	-103.706981
7,126.00	10.06	72.48	7,067.88	29.15	638.32	477,669.77	734,857.61	32.311633	-103.706929
7,222.00	9.77	73.47	7,162.45	33.99	654.12	477,674.61	734,873.41	32.311646	-103.706877
7,303.00	10.09	72.31	7,242.24	38.10	667.47	477,678.72	734,886.76	32.311657	-103.706834
7,398.00	10.28	71.37	7,335.74	43.34	683.43	477,683.96	734,902.72	32.311671	-103.706782
7,494.00	10.29	72.90	7,430.20	48.59	699.74	477,689.21	734,919.03	32.311685	-103.706729
7,589.00	10.33	75.13	7,523.66	53.28	716.08	477,693.89	734,935.38	32.311698	-103.706676
7,693.00	9.14	81.76	7,626.17	56.85	733.27	477,697.47	734,952.56	32.311707	-103.706621
7,789.00	7.82	93.18	7,721.12	57.58	747.34	477,698.20	734,966.63	32.311709	-103.706575
7,884.00	7.20	96.69	7,815.31	56.53	759.71	477,697.15	734,979.00	32.311706	-103.706535
7,980.00	7.06	95.50	7,910.56	55.26	771.55	477,695.88	734,990.84	32.311702	-103.706497
8,074.00	6.94	93.26	8,003.86	54.39	782.97	477,695.01	735,002.26	32.311700	-103.706460
8,168.00	7.08	93.49	8,097.16	53.71	794.43	477,694.33	735,013.71	32.311698	-103.706423
8,264.00	8.15	95.65	8,192.31	52.68	807.10	477,693.30	735,026.39	32.311695	-103.706382
8,359.00	9.66	95.25	8,286.17	51.29	821.74	477,691.91	735,041.03	32.311691	-103.706334
8,454.00	11.34	93.54	8,379.57	49.98	839.00	477,690.60	735,058.29	32.311687	-103.706279
8,549.00	13.13	92.09	8,472.41	49.01	859.11	477,689.63	735,078.39	32.311684	-103.706214
8,644.00	15.25	89.08	8,564.51	48.82	882.39	477,689.44	735,101.67	32.311683	-103.706138
8,739.00	16.67	86.60	8,655.85	49.83	908.48	477,690.45	735,127.77	32.311685	-103.706054
8,834.00	18.12	84.52	8,746.50	52.05	936.79	477,692.67	735,156.07	32.311691	-103.705962
8,881.00	18.73	83.79	8,791.09	53.56	951.57	477,694.18	735,170.85	32.311695	-103.705914
8,986.00	16.37	91.92	8,891.21	54.89	983.13	477,695.51	735,202.41	32.311698	-103.705812
9,081.00	14.49	107.80	8,982.82	50.81	1,007.84	477,691.43	735,227.11	32.311686	-103.705732
9,176.00	14.19	118.59	9,074.88	41.60	1,029.38	477,682.22	735,248.66	32.311661	-103.705663
9,272.00	13.57	129.95	9,168.09	28.73	1,048.35	477,669.35	735,267.63	32.311625	-103.705601
9,366.00	12.19	137.04	9,259.73	14.39	1,063.57	477,655.01	735,282.84	32.311585	-103.705552
9,460.00	10.43	150.02	9,351.92	-0.25	1,074.59	477,640.37	735,293.86	32.311545	-103.705517
9,556.00	9.36	161.33	9,446.50	-15.17	1,081.43	477,625.45	735,300.70	32.311504	-103.705495
9,651.00	9.02	191.55	9,540.33	-29.80	1,082.41	477,610.83	735,301.69	32.311463	-103.705492
9,746.00	10.59	219.86	9,634.00	-43.80	1,075.32	477,596.82	735,294.59	32.311425	-103.705516
9,841.00	9.73	216.47	9,727.51	-56.96	1,064.95	477,583.67	735,284.23	32.311389	-103.705549
9,936.00	10.06	232.94	9,821.11	-68.42	1,053.56	477,572.21	735,272.83	32.311358	-103.705586
10,031.00	11.16	229.01	9,914.49	-79.45	1,040.00	477,561.18	735,259.27	32.311328	-103.705631
10,126.00	12.90	238.77	10,007.41	-90.98	1,023.99	477,549.65	735,243.26	32.311296	-103.705683
10,221.00	14.23	239.90	10,099.75	-102.33	1,004.82	477,538.29	735,224.09	32.311265	-103.705745
10,316.00	19.09	230.25	10,190.76	-118.13	982.75	477,522.49	735,202.03	32.311222	-103.705817
10,411.00	23.34	231.00	10,279.30	-139.92	956.17	477,500.71	735,175.45	32.311163	-103.705903
10,456.00	26.80	229.65	10,320.05	-152.10	941.51	477,488.52	735,160.79	32.311130	-103.705951
10,506.00	30.54	228.41	10,363.92	-167.84	923.41	477,472.79	735,142.69	32.311087	-103.706010
10,559.00	35.75	228.17	10,408.28	-187.12	901.79	477,453.51	735,121.07	32.311034	-103.706080
10,600.00	39.64	226.44	10,440.71	-204.12	883.38	477,436.51	735,102.66	32.310988	-103.706140
10,647.00	43.77	224.18	10,475.80	-226.12	861.17	477,414.51	735,080.46	32.310927	-103.706212
10,696.00	47.66	224.02	10,510.00	-251.31	836.77	477,389.32	735,056.05	32.310859	-103.706292
10,743.00	51.11	222.93	10,540.60	-277.20	812.23	477,363.43	735,031.52	32.310788	-103.706371
10,791.00	54.70	222.02	10,569.54	-305.44	786.39	477,335.19	735,005.68	32.310711	-103.706456
10,838.00	57.84	220.49	10,595.64	-334.83	760.62	477,305.81	734,979.91	32.310630	-103.706540
10,886.00	59.38	217.24	10,620.64	-366.73	734.93	477,273.91	734,954.22	32.310543	-103.706623
10,933.00	60.97	213.13	10,644.03	-400.05	711.45	477,240.59	734,930.74	32.310452	-103.706700



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	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
10,982.00	64.81	207.06	10,666.37	-437.78	689.63	477,202.87	734,908.92	32.310348	-103.706771
11,029.00	71.28	201.71	10,683.94	-477.46	671.69	477,163.19	734,890.99	32.310240	-103.706830
11,078.00	77.36	195.45	10,697.19	-522.14	656.71	477,118.50	734,876.01	32.310117	-103.706879
11,124.00	81.79	188.56	10,705.52	-566.36	647.33	477,074.29	734,866.63	32.309996	-103.706911
11,173.00	87.65	181.35	10,710.03	-614.92	643.14	477,025.74	734,862.43	32.309862	-103.706925
11,268.00	92.42	177.97	10,709.98	-709.87	643.70	476,930.78	734,863.00	32.309601	-103.706925
11,362.00	91.24	175.47	10,706.97	-803.66	649.08	476,837.00	734,868.37	32.309343	-103.706909
11,457.00	91.48	174.90	10,704.72	-898.30	657.05	476,742.37	734,876.34	32.309083	-103.706885
11,551.00	89.16	172.61	10,704.19	-991.73	667.27	476,648.94	734,886.57	32.308826	-103.706854
11,645.00	90.10	175.23	10,704.80	-1,085.19	677.23	476,555.49	734,896.52	32.308569	-103.706824
11,741.00	89.90	175.40	10,704.80	-1,180.87	685.07	476,459.81	734,904.36	32.308306	-103.706800
11,836.00	89.50	174.35	10,705.30	-1,275.48	693.55	476,365.20	734,912.85	32.308046	-103.706774
11,932.00	89.40	175.14	10,706.22	-1,371.07	702.35	476,269.61	734,921.64	32.307783	-103.706748
12,026.00	89.19	175.77	10,707.38	-1,464.77	709.79	476,175.92	734,929.09	32.307525	-103.706725
12,121.00	91.34	179.10	10,706.94	-1,559.66	714.04	476,081.04	734,933.34	32.307264	-103.706714
12,216.00	91.61	179.15	10,704.49	-1,654.61	715.50	475,986.09	734,934.79	32.307003	-103.706711
12,310.00	90.80	178.37	10,702.52	-1,748.57	717.53	475,892.14	734,936.82	32.306745	-103.706706
12,406.00	89.73	176.31	10,702.07	-1,844.46	721.98	475,796.25	734,941.28	32.306482	-103.706693
12,500.00	89.83	175.98	10,702.43	-1,938.25	728.30	475,702.47	734,947.59	32.306224	-103.706675
12,596.00	89.56	175.89	10,702.94	-2,034.00	735.11	475,606.72	734,954.40	32.305960	-103.706654
12,691.00	89.60	175.69	10,703.64	-2,128.74	742.08	475,511.98	734,961.37	32.305700	-103.706634
12,786.00	89.40	177.26	10,704.47	-2,223.56	747.92	475,417.17	734,967.21	32.305439	-103.706616
12,881.00	89.20	177.38	10,705.63	-2,318.45	752.36	475,322.29	734,971.66	32.305178	-103.706604
12,977.00	88.56	179.53	10,707.51	-2,414.39	754.95	475,226.35	734,974.24	32.304915	-103.706597
13,072.00	88.59	179.20	10,709.87	-2,509.35	756.01	475,131.39	734,975.30	32.304654	-103.706596
13,168.00	88.59	180.70	10,712.23	-2,605.32	756.09	475,035.43	734,975.38	32.304390	-103.706597
13,263.00	88.59	180.72	10,714.57	-2,700.28	754.91	474,940.47	734,974.20	32.304129	-103.706603
13,358.00	88.42	179.31	10,717.05	-2,795.25	754.89	474,845.51	734,974.18	32.303868	-103.706605
13,452.00	88.62	180.90	10,719.48	-2,889.21	754.72	474,751.55	734,974.01	32.303609	-103.706607
13,547.00	88.79	180.84	10,721.62	-2,984.18	753.27	474,656.59	734,972.56	32.303348	-103.706614
13,640.00	89.50	182.51	10,723.01	-3,077.12	750.55	474,563.64	734,969.85	32.303093	-103.706624
13,735.00	88.86	182.51	10,724.37	-3,172.02	746.39	474,468.75	734,965.69	32.302832	-103.706639
13,831.00	88.39	182.28	10,726.67	-3,267.91	742.38	474,372.87	734,961.67	32.302569	-103.706654
13,926.00	87.42	182.45	10,730.15	-3,362.77	738.47	474,278.02	734,957.76	32.302308	-103.706669
14,021.00	89.77	183.06	10,732.48	-3,457.62	733.90	474,183.17	734,953.19	32.302047	-103.706685
14,115.00	90.67	183.42	10,732.11	-3,551.47	728.59	474,089.32	734,947.88	32.301790	-103.706704
14,210.00	90.80	183.51	10,730.90	-3,646.29	722.85	473,994.51	734,942.14	32.301529	-103.706724
14,306.00	90.71	182.65	10,729.63	-3,742.14	717.69	473,898.66	734,936.98	32.301266	-103.706743
14,401.00	90.57	182.35	10,728.57	-3,837.04	713.55	473,803.76	734,932.84	32.301005	-103.706758
14,496.00	90.24	181.84	10,727.90	-3,931.98	710.07	473,708.83	734,929.37	32.300744	-103.706771
14,591.00	90.13	181.77	10,727.59	-4,026.93	707.08	473,613.89	734,926.37	32.300483	-103.706783
14,686.00	90.10	181.45	10,727.40	-4,121.89	704.41	473,518.93	734,923.71	32.300222	-103.706793
14,781.00	89.70	181.40	10,727.57	-4,216.86	702.05	473,423.96	734,921.34	32.299961	-103.706803
14,876.00	89.50	181.27	10,728.23	-4,311.83	699.84	473,329.00	734,919.13	32.299700	-103.706812
14,971.00	89.19	180.58	10,729.32	-4,406.81	698.30	473,234.02	734,917.60	32.299439	-103.706818
15,066.00	88.86	180.12	10,730.93	-4,501.80	697.72	473,139.04	734,917.02	32.299178	-103.706822
15,161.00	88.83	179.49	10,732.85	-4,596.78	698.05	473,044.07	734,917.34	32.298917	-103.706823
15,256.00	87.86	179.49	10,735.59	-4,691.73	698.89	472,949.11	734,918.18	32.298656	-103.706822
15,351.00	87.62	179.19	10,739.34	-4,786.65	699.99	472,854.20	734,919.28	32.298395	-103.706820
15,446.00	87.15	178.50	10,743.67	-4,881.53	701.90	472,759.32	734,921.19	32.298134	-103.706816
15,543.00	87.35	178.40	10,748.33	-4,978.39	704.52	472,662.47	734,923.81	32.297868	-103.706809
MWD Survey (15543.00' MD)									
15,609.00	87.35	178.40	10,751.38	-5,044.29	706.36	472,596.57	734,925.65	32.297687	-103.706804
Proj. to Bit (15609.00' MD)									



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #214H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB = 23' @ 3594.00usft
Site:	Purrito 18 Fed Com	MD Reference:	KB = 23' @ 3594.00usft
Well:	#214H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,543.00	10,748.33	-4,978.39	704.52	MWD Survey (15543.00' MD)
15,609.00	10,751.38	-5,044.29	706.36	Proj. to Bit (15609.00' MD)

Checked By: _____ Approved By: _____ Date: _____

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM86151

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
PURRITO 18 FED COM 214H9. API Well No.
30-025-46250-00-X110. Field and Pool or Exploratory Area
WOLFCAMP11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: REBECCA DEAL

E-mail: Rebecca.Deal@devon.com

3a. Address

333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-228-8429

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T23S R32E NENE 71FNL 1166FEL
32.311562 N Lat, 103.708992 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Hydraulic Fracture	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Revision of Completion Ops Summary to include OCD requested language:

7/2/20 - 9/16/20: MIRU WL & PT. TIH & ran CBL, found TOC @ 7860'. PT csg for 30min, OK. TIH w/pump through frac plug and guns. Perf Bone Spring, 10,683'-15,575'. Frac totals 9,460,300# prop, 18 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD 15,590'. CHC, FWB, ND BOP. RIH w/ 309 jts 2-7/8" L-80 tubing, set @ 10,339'. TOP.

Request for OCD extension of time to file BLM- approved Form 3160-4.

Formation Top Depth
Rustler 948

KZ

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #537266 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION COMPANY, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/16/2020 (21PP0525SE)

Name (Printed/Typed) REBECCA DEAL

Title REGULATORY COMPLIANCE PROFESSI

Signature (Electronic Submission)

Date 11/13/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 12/30/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #537266 that would not fit on the form

32. Additional remarks, continued

Top of Salado 1327
Base of Salado 4363
Delaware 4608
Bone Spring 8519

Revisions to Operator-Submitted EC Data for Sundry Notice #537266

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM18848	NMNM86151
Agreement:		
Operator:	DEVON ENERGY PRODUCTION COMPAN 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102 Ph: 405-228-8429	DEVON ENERGY PRODUCTION COMPAN 333 WEST SHERIDAN AVENUE OKLAHOMA CITY, OK 73102 Ph: 4055526571
Admin Contact:	REBECCA DEAL REGULATORY COMPLIANCE PROFESSI E-Mail: Rebecca.Deal@dvn.com Ph: 405-228-8429	REBECCA DEAL REGULATORY COMPLIANCE PROFESSI E-Mail: Rebecca.Deal@dvn.com Ph: 405-228-8429
Tech Contact:	REBECCA DEAL REGULATORY COMPLIANCE PROFESSI E-Mail: Rebecca.Deal@dvn.com Ph: 405-228-8429	REBECCA DEAL REGULATORY COMPLIANCE PROFESSI E-Mail: Rebecca.Deal@dvn.com Ph: 405-228-8429
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	SAND DUNE; BONE SPRING	WOLFCAMP
Well/Facility:	PURRITO 18 FED COM 214H Sec 18 T23S R32E Mer NMP NENE 71FNL 1166FEL	PURRITO 18 FED COM 214H Sec 18 T23S R32E NENE 71FNL 1166FEL 32.311562 N Lat, 103.708992 W Lon

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

CONDITIONS

Action 17877

CONDITIONS OF APPROVAL

Operator:	DEVON ENERGY PRODUCTION COMPAN	333 West Sheridan Ave.	Oklahoma City, OK73102	OGRID:	6137	Action Number:	17877	Action Type:	C-104C
OCD Reviewer	Condition								
plmartinez	None								