

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 / 10/9/20
⁴ API Number 30-025-46414	⁵ Pool Name WC-025 G-06 S253206M; Bone Spring	⁶ Pool Code 97899 KZ
⁷ Property Code 326166	⁸ Property Name MUSTANG 8-17 FED COM	⁹ Well Number 237H

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
H	8	25S	32E		2463	North	725	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
O	17	25S	32E		22	South	2254	East	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/9/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date	SL			

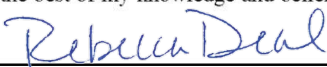
III. Oil and Gas Transporters

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 PBDT	²⁵ Perforations	²⁶ DHC, MC
12/7/19	10/9/20	18,367'	18,350'	10776 - 18339	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	835'	930 sx CIA; Circ 418 sx		
12.25	9.625	4673'	695 sx CIA; Circ 156 sx		
8.75 & 8.5	5.5	18,353'	1990 sx cmt; Circ 0 sx		
	Tubing:	0			

V. Well Test Data

³¹ Date New Oil 11/1/20	³² Gas Delivery Date 11/1/20	³³ Test Date 11/1/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure 1260 psi
³⁷ Choke Size	³⁸ Oil 3162 bbl	³⁹ Water 3571 bbl	⁴⁰ Gas 6334 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: 3/11/2021		
Date: 11/9/2020		Phone: 405-228-8429	FILE 3160-4 COMPLETION REPORT WITHIN 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: (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 30-025-46414	² Pool Code 97899	³ Pool Name WC-025 G-06 S253206M; BONE SPRING
⁴ Property Code 326166	⁵ Property Name MUSTANG 8-17 FED COM	⁶ Well Number 237H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3433.6

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
H	8	25 S	32 E		2463	NORTH	725	EAST	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
O	17	25 S	32 E		22	SOUTH	2254	EAST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83) BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE, VERTICAL DATUM NAVD83.	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> 11/2/2020 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmn.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. MARCH 29, 2019 Date of Survey <i>William F. Jaramillo</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Professional Surveyor No. 7011A
--	---

Intent ☐ As Drilled ☒

API # 30-025-46414		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: MUSTANG 8-17 FED COM	Well Number 237H

Kick Off Point (KOP)

UL G	Section 8	Township 25S	Range 32E	Lot	Feet 2520	From N/S NORTH	Feet 1798	From E/W EAST	County LEA
Latitude 32.1452001					Longitude 103.6944174				NAD 83

First Take Point (FTP)

UL J	Section 8	Township 25S	Range 32E	Lot	Feet 2304	From N/S SOUTH	Feet 1933	From E/W EAST	County LEA
Latitude 32.1439543					Longitude 103.6948501				NAD 83

Last Take Point (LTP)

UL O	Section 17	Township 25S	Range 32E	Lot	Feet 50	From N/S SOUTH	Feet 2252	From E/W EAST	County LEA
Latitude 32.1232501					Longitude 103.6959558				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



Final MWD Survey Certification

Lea County, New Mexico

Client: Devon Energy

Well Name: Mustang 8-17 FC 237H

Total Job No: SW-190004

API No: 30-025-46414

Start Date: December 7th 2019

End Date: December 20th 2019

Start Depth: 0'

End Depth: 18,367'

Vertical Section from well center at TD: 8084.65 feet

I, Dean Williamson, MWD Operator, hereby certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 12/20/2019

Signed: *Dean Williamson*

P.O Box 831, Windsor, CO 80550 | P:970.686.8893 | F:970.686.8894 | www.totaldirectional.com



Devon Energy

Lea County, NM (NAD83)

Mustang 8-17 Fed Com

Mustang 8-17 Fed Com 237H

OH

Design: OH

Standard Survey Report

23 December, 2019





Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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

Site		Mustang 8-17 Fed Com			
Site Position:		Northing:	417,214.94 usft	Latitude:	32.145372
From:	Map	Easting:	740,155.18 usft	Longitude:	-103.690952
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	Mustang 8-17 Fed Com 237H					
Well Position	+N/-S	0.00 usft	Northing:	417,214.94 usft	Latitude:	32.145372
	+E/-W	0.00 usft	Easting:	740,155.18 usft	Longitude:	-103.690952
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,433.60 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/14/2019	6.74	59.94	47,631.31238966

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.93	

Survey Program	Date	12/23/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
232.00	18,309.00	Survey #1 (OH)	OWSG (Rev2) MWD	OWSG MWD - Standard	
18,367.00	18,367.00	Survey #2 (OH)	BLIND	OWSG BLIND	

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	
SHL (Mustang 8-17 Fed Com 237H)										
232.00	0.30	10.90	232.00	0.60	0.11	-0.60	0.13	0.13	0.00	
326.00	0.30	326.70	326.00	1.04	0.03	-1.04	0.24	0.00	-47.02	
421.00	0.30	258.60	421.00	1.20	-0.35	-1.20	0.35	0.00	-71.68	
516.00	0.60	238.90	515.99	0.90	-1.02	-0.90	0.35	0.32	-20.74	
611.00	1.00	246.40	610.98	0.31	-2.21	-0.31	0.43	0.42	7.89	
705.00	1.30	241.10	704.97	-0.54	-3.89	0.53	0.34	0.32	-5.64	
763.00	1.40	246.10	762.95	-1.14	-5.12	1.13	0.27	0.17	8.62	
903.00	1.10	238.30	902.92	-2.54	-7.83	2.53	0.25	-0.21	-5.57	



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
997.00	1.10	228.10	996.90	-3.62	-9.26	3.61	0.21	0.00	-10.85
1,092.00	1.00	228.00	1,091.88	-4.78	-10.56	4.77	0.11	-0.11	-0.11
1,187.00	0.80	236.90	1,186.87	-5.70	-11.73	5.68	0.26	-0.21	9.37
1,282.00	0.70	237.70	1,281.86	-6.37	-12.78	6.35	0.11	-0.11	0.84
1,378.00	0.30	97.80	1,377.86	-6.72	-13.02	6.70	0.99	-0.42	-145.73
1,473.00	1.00	64.80	1,472.85	-6.40	-12.03	6.38	0.81	0.74	-34.74
1,568.00	1.20	67.00	1,567.84	-5.66	-10.36	5.64	0.22	0.21	2.32
1,662.00	1.00	73.00	1,661.82	-5.03	-8.67	5.02	0.25	-0.21	6.38
1,757.00	0.90	80.30	1,756.81	-4.66	-7.14	4.66	0.17	-0.11	7.68
1,852.00	1.00	81.30	1,851.79	-4.41	-5.59	4.41	0.11	0.11	1.05
1,947.00	1.00	74.90	1,946.78	-4.07	-3.97	4.07	0.12	0.00	-6.74
2,041.00	1.00	73.40	2,040.76	-3.62	-2.39	3.62	0.03	0.00	-1.60
2,137.00	1.00	75.10	2,136.75	-3.17	-0.78	3.17	0.03	0.00	1.77
2,232.00	1.10	74.80	2,231.73	-2.72	0.90	2.72	0.11	0.11	-0.32
2,326.00	1.30	75.70	2,325.71	-2.22	2.81	2.22	0.21	0.21	0.96
2,421.00	1.30	69.50	2,420.69	-1.57	4.86	1.58	0.15	0.00	-6.53
2,516.00	0.60	45.30	2,515.68	-0.85	6.22	0.85	0.83	-0.74	-25.47
2,612.00	1.70	252.90	2,611.66	-0.91	5.22	0.92	2.34	1.15	-158.75
2,707.00	2.60	261.10	2,706.60	-1.66	1.74	1.66	1.00	0.95	8.63
2,801.00	3.90	263.00	2,800.44	-2.38	-3.54	2.37	1.39	1.38	2.02
2,896.00	5.50	265.20	2,895.12	-3.15	-11.28	3.14	1.69	1.68	2.32
2,991.00	7.90	266.50	2,989.47	-3.93	-22.33	3.91	2.53	2.53	1.37
3,087.00	8.50	267.40	3,084.48	-4.66	-36.01	4.61	0.64	0.63	0.94
3,181.00	7.70	268.00	3,177.54	-5.19	-49.24	5.13	0.86	-0.85	0.64
3,276.00	8.50	264.80	3,271.60	-6.05	-62.59	5.97	0.97	0.84	-3.37
3,371.00	9.00	263.80	3,365.49	-7.49	-76.97	7.40	0.55	0.53	-1.05
3,466.00	8.30	263.60	3,459.41	-9.06	-91.17	8.94	0.74	-0.74	-0.21
3,560.00	9.00	265.10	3,552.34	-10.44	-105.24	10.31	0.78	0.74	1.60
3,655.00	9.00	266.10	3,646.17	-11.58	-120.06	11.43	0.16	0.00	1.05
3,750.00	8.20	267.20	3,740.10	-12.42	-134.24	12.25	0.86	-0.84	1.16
3,845.00	9.20	267.00	3,834.01	-13.15	-148.59	12.96	1.05	1.05	-0.21
3,940.00	9.50	265.20	3,927.75	-14.20	-163.99	14.00	0.44	0.32	-1.89
4,035.00	9.30	263.10	4,021.47	-15.78	-179.42	15.56	0.42	-0.21	-2.21
4,130.00	9.10	272.10	4,115.25	-16.42	-194.55	16.19	1.53	-0.21	9.47
4,224.00	8.80	275.30	4,208.11	-15.49	-209.14	15.23	0.62	-0.32	3.40
4,319.00	8.40	264.80	4,302.05	-15.44	-223.28	15.17	1.70	-0.42	-11.05
4,415.00	7.90	260.80	4,397.08	-17.14	-236.78	16.85	0.79	-0.52	-4.17
4,509.00	8.40	261.50	4,490.13	-19.18	-249.95	18.88	0.54	0.53	0.74
4,605.00	8.70	263.20	4,585.06	-21.08	-264.09	20.76	0.41	0.31	1.77
4,630.00	8.50	263.50	4,609.78	-21.51	-267.80	21.18	0.82	-0.80	1.20
4,696.00	8.30	263.90	4,675.07	-22.57	-277.39	22.23	0.32	-0.30	0.61
4,791.00	8.30	263.20	4,769.08	-24.11	-291.01	23.76	0.11	0.00	-0.74
4,886.00	8.10	263.30	4,863.11	-25.70	-304.47	25.33	0.21	-0.21	0.11



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
4,981.00	9.40	268.40	4,957.00	-26.70	-318.87	26.31	1.59	1.37	5.37
5,075.00	9.90	271.60	5,049.67	-26.69	-334.62	26.28	0.78	0.53	3.40
5,171.00	9.70	270.90	5,144.27	-26.33	-350.96	25.90	0.24	-0.21	-0.73
5,265.00	9.80	270.50	5,236.91	-26.14	-366.88	25.69	0.13	0.11	-0.43
5,360.00	9.90	269.70	5,330.51	-26.11	-383.13	25.64	0.18	0.11	-0.84
5,455.00	9.50	268.00	5,424.15	-26.43	-399.13	25.94	0.52	-0.42	-1.79
5,550.00	9.10	265.90	5,517.90	-27.24	-414.46	26.73	0.55	-0.42	-2.21
5,645.00	9.20	270.30	5,611.70	-27.73	-429.55	27.21	0.74	0.11	4.63
5,740.00	9.20	270.70	5,705.47	-27.60	-444.73	27.06	0.07	0.00	0.42
5,835.00	9.10	269.50	5,799.27	-27.58	-459.84	27.01	0.23	-0.11	-1.26
5,930.00	9.40	270.00	5,893.03	-27.64	-475.11	27.06	0.33	0.32	0.53
6,025.00	9.30	267.80	5,986.77	-27.94	-490.54	27.34	0.39	-0.11	-2.32
6,120.00	9.30	267.30	6,080.52	-28.59	-505.88	27.97	0.09	0.00	-0.53
6,216.00	8.70	265.50	6,175.34	-29.53	-520.86	28.89	0.69	-0.63	-1.88
6,312.00	8.80	264.40	6,270.22	-30.81	-535.41	30.16	0.20	0.10	-1.15
6,407.00	9.10	262.80	6,364.06	-32.46	-550.10	31.79	0.41	0.32	-1.68
6,502.00	8.90	274.10	6,457.90	-32.88	-564.88	32.19	1.87	-0.21	11.89
6,597.00	9.10	277.50	6,551.73	-31.37	-579.66	30.67	0.60	0.21	3.58
6,693.00	9.10	276.00	6,646.52	-29.59	-594.74	28.86	0.25	0.00	-1.56
6,788.00	9.20	274.60	6,740.32	-28.20	-609.78	27.45	0.26	0.11	-1.47
6,883.00	9.10	274.70	6,834.11	-26.97	-624.83	26.21	0.11	-0.11	0.11
6,979.00	9.10	266.90	6,928.90	-26.76	-639.98	25.98	1.28	0.00	-8.13
7,074.00	8.80	265.20	7,022.75	-27.77	-654.72	26.97	0.42	-0.32	-1.79
7,169.00	8.40	263.20	7,116.68	-29.20	-668.86	28.39	0.53	-0.42	-2.11
7,264.00	8.20	269.50	7,210.68	-30.08	-682.52	29.25	0.98	-0.21	6.63
7,358.00	8.10	269.80	7,303.73	-30.17	-695.85	29.32	0.12	-0.11	0.32
7,454.00	7.90	266.60	7,398.80	-30.58	-709.20	29.71	0.51	-0.21	-3.33
7,549.00	7.50	265.10	7,492.94	-31.50	-721.89	30.62	0.47	-0.42	-1.58
7,644.00	9.20	268.00	7,586.93	-32.29	-735.66	31.39	1.84	1.79	3.05
7,739.00	9.30	267.80	7,680.70	-32.85	-750.92	31.93	0.11	0.11	-0.21
7,834.00	8.80	265.60	7,774.52	-33.70	-765.83	32.77	0.64	-0.53	-2.32
7,929.00	8.50	264.10	7,868.44	-34.98	-780.06	34.03	0.40	-0.32	-1.58
8,024.00	8.20	262.20	7,962.43	-36.62	-793.76	35.65	0.43	-0.32	-2.00
8,119.00	7.70	260.20	8,056.52	-38.63	-806.74	37.64	0.60	-0.53	-2.11
8,214.00	8.80	263.80	8,150.53	-40.49	-820.24	39.49	1.28	1.16	3.79
8,308.00	8.80	262.80	8,243.42	-42.17	-834.52	41.15	0.16	0.00	-1.06
8,403.00	8.80	264.30	8,337.31	-43.81	-848.96	42.77	0.24	0.00	1.58
8,498.00	8.20	263.70	8,431.26	-45.27	-862.93	44.22	0.64	-0.63	-0.63
8,593.00	8.40	272.00	8,525.27	-45.77	-876.60	44.70	1.28	0.21	8.74
8,688.00	7.90	273.30	8,619.31	-45.15	-890.05	44.07	0.56	-0.53	1.37
8,782.00	6.60	270.80	8,712.56	-44.71	-901.90	43.60	1.42	-1.38	-2.66
8,877.00	7.80	261.70	8,806.81	-45.56	-913.74	44.44	1.74	1.26	-9.58
8,972.00	8.50	260.80	8,900.85	-47.61	-927.05	46.48	0.75	0.74	-0.95



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
9,066.00	7.70	257.90	8,993.91	-50.04	-940.06	48.90	0.96	-0.85	-3.09
9,161.00	6.20	251.80	9,088.21	-52.98	-951.16	51.82	1.76	-1.58	-6.42
9,256.00	7.80	259.60	9,182.50	-55.75	-962.38	54.57	1.96	1.68	8.21
9,351.00	8.20	263.10	9,276.58	-57.73	-975.44	56.53	0.66	0.42	3.68
9,446.00	7.90	264.10	9,370.64	-59.21	-988.66	58.00	0.35	-0.32	1.05
9,541.00	8.20	264.90	9,464.71	-60.48	-1,001.90	59.26	0.34	0.32	0.84
9,636.00	9.80	266.60	9,558.53	-61.57	-1,016.72	60.32	1.71	1.68	1.79
9,731.00	9.90	264.20	9,652.13	-62.87	-1,032.92	61.61	0.44	0.11	-2.53
9,826.00	7.80	260.60	9,746.00	-64.75	-1,047.41	63.47	2.29	-2.21	-3.79
9,921.00	7.80	263.30	9,840.12	-66.55	-1,060.17	65.26	0.39	0.00	2.84
10,018.00	8.40	254.60	9,936.16	-69.20	-1,073.54	67.89	1.41	0.62	-8.97
KOP									
10,059.90	11.15	229.88	9,977.46	-72.63	-1,079.59	71.31	11.83	6.56	-58.99
KOP (Mustang 8-17 Fed Com 237H)									
10,112.00	16.10	214.00	10,028.10	-81.87	-1,087.49	80.54	11.83	9.50	-30.49
10,206.00	27.10	196.70	10,115.45	-113.31	-1,100.98	111.97	13.41	11.70	-18.40
10,301.00	35.90	196.70	10,196.37	-160.81	-1,115.23	159.45	9.26	9.26	0.00
10,396.00	43.40	196.50	10,269.46	-218.86	-1,132.53	217.48	7.90	7.89	-0.21
10,491.00	49.90	194.30	10,334.64	-285.44	-1,150.80	284.03	7.05	6.84	-2.32
10,587.00	56.50	192.40	10,392.12	-360.20	-1,168.48	358.77	7.05	6.88	-1.98
10,681.00	61.40	192.20	10,440.59	-438.86	-1,185.63	437.41	5.22	5.21	-0.21
10,776.00	69.10	192.20	10,480.33	-523.12	-1,203.85	521.65	8.11	8.11	0.00
10,871.00	74.90	191.80	10,509.68	-611.46	-1,222.62	609.96	6.12	6.11	-0.42
10,891.69	76.66	191.60	10,514.76	-631.09	-1,226.68	629.59	8.58	8.53	-0.97
LP (Mustang 8-17 Fed Com 237H)									
10,966.00	83.00	190.90	10,527.87	-702.80	-1,240.94	701.28	8.58	8.53	-0.94
11,060.00	90.70	189.80	10,533.03	-795.06	-1,257.79	793.52	8.27	8.19	-1.17
11,156.00	90.50	189.60	10,532.03	-889.68	-1,273.96	888.12	0.29	-0.21	-0.21
11,250.00	90.60	188.80	10,531.12	-982.47	-1,288.99	980.89	0.86	0.11	-0.85
11,345.00	90.80	189.20	10,529.96	-1,076.29	-1,303.85	1,074.70	0.47	0.21	0.42
11,440.00	89.80	189.60	10,529.47	-1,170.01	-1,319.37	1,168.40	1.13	-1.05	0.42
11,535.00	90.30	187.80	10,529.38	-1,263.91	-1,333.73	1,262.28	1.97	0.53	-1.89
11,630.00	89.20	188.20	10,529.80	-1,357.99	-1,346.96	1,356.34	1.23	-1.16	0.42
11,724.00	90.60	185.50	10,529.96	-1,451.30	-1,358.17	1,449.64	3.24	1.49	-2.87
11,820.00	93.50	185.00	10,526.53	-1,546.83	-1,366.94	1,545.16	3.07	3.02	-0.52
11,914.00	92.60	185.40	10,521.53	-1,640.31	-1,375.45	1,638.63	1.05	-0.96	0.43
12,009.00	91.40	185.90	10,518.21	-1,734.79	-1,384.80	1,733.10	1.37	-1.26	0.53
12,104.00	90.70	185.40	10,516.47	-1,829.31	-1,394.15	1,827.61	0.91	-0.74	-0.53
12,199.00	90.70	183.40	10,515.31	-1,924.02	-1,401.44	1,922.30	2.11	0.00	-2.11
12,293.00	91.60	180.90	10,513.42	-2,017.92	-1,404.96	2,016.21	2.83	0.96	-2.66
12,389.00	89.50	180.80	10,512.50	-2,113.90	-1,406.39	2,112.18	2.19	-2.19	-0.10
12,484.00	91.90	178.80	10,511.34	-2,208.88	-1,406.06	2,207.17	3.29	2.53	-2.11
12,579.00	92.00	178.70	10,508.11	-2,303.81	-1,403.98	2,302.09	0.15	0.11	-0.11
12,674.00	91.50	179.40	10,505.21	-2,398.75	-1,402.41	2,397.03	0.91	-0.53	0.74



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)	
12,768.00	90.20	178.10	10,503.81	-2,492.71	-1,400.36	2,491.00	1.96	-1.38	-1.38	
12,863.00	88.90	178.00	10,504.56	-2,587.65	-1,397.13	2,585.94	1.37	-1.37	-0.11	
12,958.00	91.30	180.80	10,504.39	-2,682.63	-1,396.13	2,680.92	3.88	2.53	2.95	
13,053.00	89.80	180.90	10,503.48	-2,777.61	-1,397.54	2,775.90	1.58	-1.58	0.11	
13,103.91	91.51	181.01	10,502.90	-2,828.51	-1,398.39	2,826.80	3.37	3.37	0.21	
S8/17 Crossing										
13,148.00	93.00	181.10	10,501.16	-2,872.56	-1,399.20	2,870.85	3.37	3.37	0.21	
13,243.00	92.60	180.30	10,496.52	-2,967.44	-1,400.36	2,965.72	0.94	-0.42	-0.84	
13,338.00	91.90	179.50	10,492.79	-3,062.36	-1,400.19	3,060.65	1.12	-0.74	-0.84	
13,433.00	90.10	178.90	10,491.13	-3,157.33	-1,398.87	3,155.62	2.00	-1.89	-0.63	
13,528.00	92.40	178.10	10,489.06	-3,252.27	-1,396.38	3,250.56	2.56	2.42	-0.84	
13,623.00	92.30	178.50	10,485.16	-3,347.15	-1,393.56	3,345.44	0.43	-0.11	0.42	
13,718.00	91.70	178.30	10,481.85	-3,442.05	-1,390.91	3,440.35	0.67	-0.63	-0.21	
13,812.00	91.10	177.70	10,479.55	-3,535.97	-1,387.63	3,534.27	0.90	-0.64	-0.64	
13,908.00	92.10	181.60	10,476.87	-3,631.91	-1,387.05	3,630.21	4.19	1.04	4.06	
14,003.00	90.50	181.50	10,474.72	-3,726.85	-1,389.62	3,725.15	1.69	-1.68	-0.11	
14,097.00	89.70	183.10	10,474.55	-3,820.77	-1,393.39	3,819.06	1.90	-0.85	1.70	
14,192.00	89.20	180.90	10,475.46	-3,915.70	-1,396.70	3,913.99	2.37	-0.53	-2.32	
14,288.00	88.80	180.40	10,477.14	-4,011.68	-1,397.79	4,009.97	0.67	-0.42	-0.52	
14,383.00	89.30	180.00	10,478.71	-4,106.66	-1,398.12	4,104.95	0.67	0.53	-0.42	
14,477.00	89.70	180.00	10,479.53	-4,200.66	-1,398.12	4,198.95	0.43	0.43	0.00	
14,572.00	89.60	180.00	10,480.11	-4,295.66	-1,398.12	4,293.95	0.11	-0.11	0.00	
14,667.00	89.40	180.00	10,480.94	-4,390.65	-1,398.12	4,388.94	0.21	-0.21	0.00	
14,762.00	88.70	180.00	10,482.52	-4,485.64	-1,398.12	4,483.93	0.74	-0.74	0.00	
14,856.00	90.90	179.00	10,482.85	-4,579.63	-1,397.30	4,577.92	2.57	2.34	-1.06	
14,951.00	90.30	178.90	10,481.85	-4,674.61	-1,395.56	4,672.90	0.64	-0.63	-0.11	
15,047.00	90.30	178.50	10,481.35	-4,770.58	-1,393.38	4,768.88	0.42	0.00	-0.42	
15,141.00	90.40	178.10	10,480.78	-4,864.54	-1,390.60	4,862.84	0.44	0.11	-0.43	
15,237.00	91.10	177.60	10,479.52	-4,960.46	-1,386.99	4,958.76	0.90	0.73	-0.52	
15,332.00	91.30	181.00	10,477.53	-5,055.42	-1,385.83	5,053.72	3.58	0.21	3.58	
15,427.00	89.40	182.80	10,476.95	-5,150.36	-1,388.98	5,148.66	2.75	-2.00	1.89	
15,522.00	90.90	183.90	10,476.70	-5,245.19	-1,394.54	5,243.48	1.96	1.58	1.16	
15,617.00	89.70	184.20	10,476.20	-5,339.95	-1,401.24	5,338.23	1.30	-1.26	0.32	
15,711.00	90.70	184.60	10,475.87	-5,433.67	-1,408.46	5,431.95	1.15	1.06	0.43	
15,806.00	91.00	182.70	10,474.46	-5,528.46	-1,414.50	5,526.73	2.02	0.32	-2.00	
15,901.00	89.20	181.30	10,474.30	-5,623.40	-1,417.82	5,621.66	2.40	-1.89	-1.47	
15,995.00	89.60	180.40	10,475.28	-5,717.38	-1,419.21	5,715.64	1.05	0.43	-0.96	
16,090.00	89.90	180.80	10,475.70	-5,812.38	-1,420.21	5,810.64	0.53	0.32	0.42	
16,185.00	89.80	179.80	10,475.95	-5,907.37	-1,420.70	5,905.63	1.06	-0.11	-1.05	
16,279.00	90.20	180.20	10,475.95	-6,001.37	-1,420.70	5,999.63	0.60	0.43	0.43	
16,375.00	91.50	180.90	10,474.52	-6,097.35	-1,421.63	6,095.61	1.54	1.35	0.73	
16,470.00	91.30	180.40	10,472.20	-6,192.32	-1,422.70	6,190.58	0.57	-0.21	-0.53	
16,565.00	89.60	180.80	10,471.45	-6,287.31	-1,423.70	6,285.56	1.84	-1.79	0.42	
16,659.00	90.00	180.50	10,471.78	-6,381.30	-1,424.76	6,379.56	0.53	0.43	-0.32	



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,755.00	88.90	179.30	10,472.70	-6,477.29	-1,424.60	6,475.55	1.70	-1.15	-1.25	
16,849.00	89.60	180.30	10,473.94	-6,571.28	-1,424.27	6,569.54	1.30	0.74	1.06	
16,944.00	91.40	181.60	10,473.11	-6,666.26	-1,425.84	6,664.51	2.34	1.89	1.37	
17,039.00	89.70	181.90	10,472.19	-6,761.21	-1,428.74	6,759.46	1.82	-1.79	0.32	
17,134.00	89.00	181.60	10,473.27	-6,856.16	-1,431.65	6,854.40	0.80	-0.74	-0.32	
17,229.00	89.10	182.00	10,474.85	-6,951.10	-1,434.63	6,949.34	0.43	0.11	0.42	
17,324.00	89.60	182.10	10,475.92	-7,046.03	-1,438.03	7,044.27	0.54	0.53	0.11	
17,419.00	90.60	182.50	10,475.76	-7,140.95	-1,441.84	7,139.18	1.13	1.05	0.42	
17,514.00	90.30	182.80	10,475.01	-7,235.85	-1,446.23	7,234.07	0.45	-0.32	0.32	
17,609.00	90.80	183.20	10,474.10	-7,330.71	-1,451.20	7,328.93	0.67	0.53	0.42	
17,703.00	90.10	183.30	10,473.36	-7,424.56	-1,456.53	7,422.77	0.75	-0.74	0.11	
17,798.00	89.80	183.20	10,473.45	-7,519.40	-1,461.92	7,517.61	0.33	-0.32	-0.11	
17,893.00	90.30	183.60	10,473.36	-7,614.24	-1,467.55	7,612.44	0.67	0.53	0.42	
17,988.00	91.30	183.90	10,472.04	-7,709.02	-1,473.77	7,707.22	1.10	1.05	0.32	
18,083.00	91.60	184.30	10,469.63	-7,803.75	-1,480.56	7,801.93	0.53	0.32	0.42	
18,178.00	91.90	184.60	10,466.73	-7,898.42	-1,487.92	7,896.59	0.45	0.32	0.32	
18,272.00	92.80	184.80	10,462.88	-7,992.02	-1,495.62	7,990.19	0.98	0.96	0.21	
18,309.00	93.30	185.20	10,460.91	-8,028.83	-1,498.84	8,026.99	1.73	1.35	1.08	
18,367.00	93.30	185.20	10,457.57	-8,086.49	-1,504.09	8,084.65	0.00	0.00	0.00	
BHL - PBHL (Mustang 8-17 Fed Com 237H)										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
10,018.00	9,936.16	-69.20	-1,073.54	KOP	
13,103.91	10,502.90	-2,828.51	-1,398.39	S8/17 Crossing	
18,367.00	10,457.57	-8,086.49	-1,504.09	BHL	

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.
NMLC061873B

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

MUSTANG 8-17 FED COM 237H

2. Name of Operator

DEVON ENERGY PRODUCTION COMPANY

Contact: REBECCA DEAL

E-mail: Rebecca.Deal@dvn.com

9. API Well No.

30-025-46414-00-X1

3a. Address

333 WEST SHERIDAN AVENUE
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)

Ph: 405-228-8429

10. Field and Pool or Exploratory Area

WC025G06S253206M-BONE SPRING

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

Sec 8 T25S R32E SENE 2463FNL 725FEL
32.145370 N Lat, 103.690948 W Lon

11. County or Parish, State

LEA COUNTY, NM

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:

3/17/20 - 10/9/20: MIRU WL & PT. TIH & ran CBL, found TOC @ 4500'. PT csg for 30min, OK. TIH w/pump through frac plug and guns. Perf Bone Spring, 10,776'-18,339'. Frac totals 15,148,750# prop, 96 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD 18,350'. CHC, FWB, ND BOP. No tubing ran. TOP.

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

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #537321 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPAN, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 11/16/2020 (21PP0529SE)	
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 #537321 that would not fit on the form

32. Additional remarks, continued

Formation Top Depth
Rustler 735
Top of Salado 1103
Base of Salado 4343
Delaware 4568
Bone Spring 8449

Revisions to Operator-Submitted EC Data for Sundry Notice #537321

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMLC061873B	NMLC061873B
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:	WC-025 G-06 S253206M; BS	WC025G06S253206M-BONE SPRING
Well/Facility:	MUSTANG 8-17 FED COM 237H Sec 8 T25S R32E Mer NMP SENE 2463FNL 725FEL	MUSTANG 8-17 FED COM 237H Sec 8 T25S R32E SENE 2463FNL 725FEL 32.145370 N Lat, 103.690948 W Lon

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____				5. Lease Serial No. NMLC061873B	
2. Name of Operator DEVON ENERGY PRODUCTION CO. Contact: REBECCA DEAL Email: rebecca.deal@devon.com				6. If Indian, Allottee or Tribe Name	
3. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102 3a. Phone No. (include area code) Ph: 405-228-8429				7. Unit or CA Agreement Name and No.	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 8 T25S R32E Mer SENE 2463FNL 725FEL At top prod interval reported below Sec 8 T25S R32E Mer SWNE 2498FSL 1591FEL At total depth Sec 17 T25S R32E Mer SWSE 2254FSL 2254FEL				8. Lease Name and Well No. MUSTANG 8-17 FED COM 237H	
14. Date Spudded 12/07/2019		15. Date T.D. Reached 12/19/2019		16. Date Completed ☐ D & A ☒ Ready to Prod. 10/09/2020	
17. Elevations (DF, KB, RT, GL)* 3434 GL		9. API Well No. 30-025-46414			
10. Field and Pool, or Exploratory WC-025 G-06 S253206M; BS		11. Sec., T., R., M., or Block and Survey or Area Sec 8 T25S R32E Mer			
12. County or Parish LEA		13. State NM			
18. Total Depth: MD 18367 TVD 10458		19. Plug Back T.D.: MD 18350 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	835		930		0	418
12.250	9.625 J-55	40.0	0	4673		695		0	156
8.750	5.500 P-110	20.0	0	18350		1990		2199	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10776	18339	10776 TO 18339		904	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10776 TO 18339	15,148,750# PROP, 96 BBL ACID

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/09/2020	11/01/2020	24	→	3162.0	6334.0	3571.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
							2003		

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #536843 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	735	1103	BARREN	RUSTLER	735
SALADO	1103	4343	BARREN	SALADO	1103
B/SALT	4343	4568	BARREN	B/SALT	4343
DELAWARE	4568	8449	OIL/GAS	DELAWARE	4568
BONE SPRING	8449		OIL/GAS	BONE SPRING	8449

32. Additional remarks (include plugging procedure):

Production Csg as follows: TD 8-3/4" HOLE @ 15956' & 8-1/2" HOLE @ 18367'. RIH W/390 JTS 5-1/2" 40# P-110EC CSG, SET @ 18352.6'.

See attached as-drilled C-102 and Directional Plan

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #536843 Verified by the BLM Well Information System.
For DEVON ENERGY PRODUCTION CO, LP, sent to the Hobbs**

Name (please print) REBECCA DEALTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 11/09/2020

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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 30-025-46414	² Pool Code 97899	³ Pool Name WC-025 G-06 S253206M; BONE SPRING
⁴ Property Code 326166	⁵ Property Name MUSTANG 8-17 FED COM	⁶ Well Number 237H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3433.6

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
H	8	25 S	32 E		2463	NORTH	725	EAST	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
O	17	25 S	32 E		22	SOUTH	2254	EAST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Rebecca Deal</i> 11/2/2020 Signature Date Rebecca Deal, Regulatory Analyst Printed Name rebecca.deal@dmn.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. MARCH 29, 2019 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: Certificate Number: 12797 Professional Surveyor No. 7011A
--	---

Intent ☐ As Drilled ☒

API # 30-025-46414		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: MUSTANG 8-17 FED COM	Well Number 237H

Kick Off Point (KOP)

UL G	Section 8	Township 25S	Range 32E	Lot	Feet 2520	From N/S NORTH	Feet 1798	From E/W EAST	County LEA
Latitude 32.1452001					Longitude 103.6944174			NAD 83	

First Take Point (FTP)

UL J	Section 8	Township 25S	Range 32E	Lot	Feet 2304	From N/S SOUTH	Feet 1933	From E/W EAST	County LEA
Latitude 32.1439543					Longitude 103.6948501			NAD 83	

Last Take Point (LTP)

UL O	Section 17	Township 25S	Range 32E	Lot	Feet 50	From N/S SOUTH	Feet 2252	From E/W EAST	County LEA
Latitude 32.1232501					Longitude 103.6959558			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



Final MWD Survey Certification

Lea County, New Mexico

Client: Devon Energy

Well Name: Mustang 8-17 FC 237H

Total Job No: SW-190004

API No: 30-025-46414

Start Date: December 7th 2019

End Date: December 20th 2019

Start Depth: 0'

End Depth: 18,367'

Vertical Section from well center at TD: 8084.65 feet

I, Dean Williamson, MWD Operator, hereby certify that; I am employed by Total Directional Services, LLC and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Total Directional Services, LLC. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Total Directional Services, LLC.

Date: 12/20/2019

Signed: *Dean Williamson*

P.O Box 831, Windsor, CO 80550 | P:970.686.8893 | F:970.686.8894 | www.totaldirectional.com



Devon Energy

Lea County, NM (NAD83)

Mustang 8-17 Fed Com

Mustang 8-17 Fed Com 237H

OH

Design: OH

Standard Survey Report

23 December, 2019





Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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

Site		Mustang 8-17 Fed Com			
Site Position:		Northing:	417,214.94 usft	Latitude:	32.145372
From:	Map	Easting:	740,155.18 usft	Longitude:	-103.690952
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	Mustang 8-17 Fed Com 237H					
Well Position	+N/-S	0.00 usft	Northing:	417,214.94 usft	Latitude:	32.145372
	+E/-W	0.00 usft	Easting:	740,155.18 usft	Longitude:	-103.690952
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,433.60 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/14/2019	6.74	59.94	47,631.31238966

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.93	

Survey Program	Date	12/23/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
232.00	18,309.00	Survey #1 (OH)	OWSG (Rev2) MWD	OWSG MWD - Standard	
18,367.00	18,367.00	Survey #2 (OH)	BLIND	OWSG BLIND	

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	
SHL (Mustang 8-17 Fed Com 237H)										
232.00	0.30	10.90	232.00	0.60	0.11	-0.60	0.13	0.13	0.00	
326.00	0.30	326.70	326.00	1.04	0.03	-1.04	0.24	0.00	-47.02	
421.00	0.30	258.60	421.00	1.20	-0.35	-1.20	0.35	0.00	-71.68	
516.00	0.60	238.90	515.99	0.90	-1.02	-0.90	0.35	0.32	-20.74	
611.00	1.00	246.40	610.98	0.31	-2.21	-0.31	0.43	0.42	7.89	
705.00	1.30	241.10	704.97	-0.54	-3.89	0.53	0.34	0.32	-5.64	
763.00	1.40	246.10	762.95	-1.14	-5.12	1.13	0.27	0.17	8.62	
903.00	1.10	238.30	902.92	-2.54	-7.83	2.53	0.25	-0.21	-5.57	



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
997.00	1.10	228.10	996.90	-3.62	-9.26	3.61	0.21	0.00	-10.85
1,092.00	1.00	228.00	1,091.88	-4.78	-10.56	4.77	0.11	-0.11	-0.11
1,187.00	0.80	236.90	1,186.87	-5.70	-11.73	5.68	0.26	-0.21	9.37
1,282.00	0.70	237.70	1,281.86	-6.37	-12.78	6.35	0.11	-0.11	0.84
1,378.00	0.30	97.80	1,377.86	-6.72	-13.02	6.70	0.99	-0.42	-145.73
1,473.00	1.00	64.80	1,472.85	-6.40	-12.03	6.38	0.81	0.74	-34.74
1,568.00	1.20	67.00	1,567.84	-5.66	-10.36	5.64	0.22	0.21	2.32
1,662.00	1.00	73.00	1,661.82	-5.03	-8.67	5.02	0.25	-0.21	6.38
1,757.00	0.90	80.30	1,756.81	-4.66	-7.14	4.66	0.17	-0.11	7.68
1,852.00	1.00	81.30	1,851.79	-4.41	-5.59	4.41	0.11	0.11	1.05
1,947.00	1.00	74.90	1,946.78	-4.07	-3.97	4.07	0.12	0.00	-6.74
2,041.00	1.00	73.40	2,040.76	-3.62	-2.39	3.62	0.03	0.00	-1.60
2,137.00	1.00	75.10	2,136.75	-3.17	-0.78	3.17	0.03	0.00	1.77
2,232.00	1.10	74.80	2,231.73	-2.72	0.90	2.72	0.11	0.11	-0.32
2,326.00	1.30	75.70	2,325.71	-2.22	2.81	2.22	0.21	0.21	0.96
2,421.00	1.30	69.50	2,420.69	-1.57	4.86	1.58	0.15	0.00	-6.53
2,516.00	0.60	45.30	2,515.68	-0.85	6.22	0.85	0.83	-0.74	-25.47
2,612.00	1.70	252.90	2,611.66	-0.91	5.22	0.92	2.34	1.15	-158.75
2,707.00	2.60	261.10	2,706.60	-1.66	1.74	1.66	1.00	0.95	8.63
2,801.00	3.90	263.00	2,800.44	-2.38	-3.54	2.37	1.39	1.38	2.02
2,896.00	5.50	265.20	2,895.12	-3.15	-11.28	3.14	1.69	1.68	2.32
2,991.00	7.90	266.50	2,989.47	-3.93	-22.33	3.91	2.53	2.53	1.37
3,087.00	8.50	267.40	3,084.48	-4.66	-36.01	4.61	0.64	0.63	0.94
3,181.00	7.70	268.00	3,177.54	-5.19	-49.24	5.13	0.86	-0.85	0.64
3,276.00	8.50	264.80	3,271.60	-6.05	-62.59	5.97	0.97	0.84	-3.37
3,371.00	9.00	263.80	3,365.49	-7.49	-76.97	7.40	0.55	0.53	-1.05
3,466.00	8.30	263.60	3,459.41	-9.06	-91.17	8.94	0.74	-0.74	-0.21
3,560.00	9.00	265.10	3,552.34	-10.44	-105.24	10.31	0.78	0.74	1.60
3,655.00	9.00	266.10	3,646.17	-11.58	-120.06	11.43	0.16	0.00	1.05
3,750.00	8.20	267.20	3,740.10	-12.42	-134.24	12.25	0.86	-0.84	1.16
3,845.00	9.20	267.00	3,834.01	-13.15	-148.59	12.96	1.05	1.05	-0.21
3,940.00	9.50	265.20	3,927.75	-14.20	-163.99	14.00	0.44	0.32	-1.89
4,035.00	9.30	263.10	4,021.47	-15.78	-179.42	15.56	0.42	-0.21	-2.21
4,130.00	9.10	272.10	4,115.25	-16.42	-194.55	16.19	1.53	-0.21	9.47
4,224.00	8.80	275.30	4,208.11	-15.49	-209.14	15.23	0.62	-0.32	3.40
4,319.00	8.40	264.80	4,302.05	-15.44	-223.28	15.17	1.70	-0.42	-11.05
4,415.00	7.90	260.80	4,397.08	-17.14	-236.78	16.85	0.79	-0.52	-4.17
4,509.00	8.40	261.50	4,490.13	-19.18	-249.95	18.88	0.54	0.53	0.74
4,605.00	8.70	263.20	4,585.06	-21.08	-264.09	20.76	0.41	0.31	1.77
4,630.00	8.50	263.50	4,609.78	-21.51	-267.80	21.18	0.82	-0.80	1.20
4,696.00	8.30	263.90	4,675.07	-22.57	-277.39	22.23	0.32	-0.30	0.61
4,791.00	8.30	263.20	4,769.08	-24.11	-291.01	23.76	0.11	0.00	-0.74
4,886.00	8.10	263.30	4,863.11	-25.70	-304.47	25.33	0.21	-0.21	0.11



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
4,981.00	9.40	268.40	4,957.00	-26.70	-318.87	26.31	1.59	1.37	5.37
5,075.00	9.90	271.60	5,049.67	-26.69	-334.62	26.28	0.78	0.53	3.40
5,171.00	9.70	270.90	5,144.27	-26.33	-350.96	25.90	0.24	-0.21	-0.73
5,265.00	9.80	270.50	5,236.91	-26.14	-366.88	25.69	0.13	0.11	-0.43
5,360.00	9.90	269.70	5,330.51	-26.11	-383.13	25.64	0.18	0.11	-0.84
5,455.00	9.50	268.00	5,424.15	-26.43	-399.13	25.94	0.52	-0.42	-1.79
5,550.00	9.10	265.90	5,517.90	-27.24	-414.46	26.73	0.55	-0.42	-2.21
5,645.00	9.20	270.30	5,611.70	-27.73	-429.55	27.21	0.74	0.11	4.63
5,740.00	9.20	270.70	5,705.47	-27.60	-444.73	27.06	0.07	0.00	0.42
5,835.00	9.10	269.50	5,799.27	-27.58	-459.84	27.01	0.23	-0.11	-1.26
5,930.00	9.40	270.00	5,893.03	-27.64	-475.11	27.06	0.33	0.32	0.53
6,025.00	9.30	267.80	5,986.77	-27.94	-490.54	27.34	0.39	-0.11	-2.32
6,120.00	9.30	267.30	6,080.52	-28.59	-505.88	27.97	0.09	0.00	-0.53
6,216.00	8.70	265.50	6,175.34	-29.53	-520.86	28.89	0.69	-0.63	-1.88
6,312.00	8.80	264.40	6,270.22	-30.81	-535.41	30.16	0.20	0.10	-1.15
6,407.00	9.10	262.80	6,364.06	-32.46	-550.10	31.79	0.41	0.32	-1.68
6,502.00	8.90	274.10	6,457.90	-32.88	-564.88	32.19	1.87	-0.21	11.89
6,597.00	9.10	277.50	6,551.73	-31.37	-579.66	30.67	0.60	0.21	3.58
6,693.00	9.10	276.00	6,646.52	-29.59	-594.74	28.86	0.25	0.00	-1.56
6,788.00	9.20	274.60	6,740.32	-28.20	-609.78	27.45	0.26	0.11	-1.47
6,883.00	9.10	274.70	6,834.11	-26.97	-624.83	26.21	0.11	-0.11	0.11
6,979.00	9.10	266.90	6,928.90	-26.76	-639.98	25.98	1.28	0.00	-8.13
7,074.00	8.80	265.20	7,022.75	-27.77	-654.72	26.97	0.42	-0.32	-1.79
7,169.00	8.40	263.20	7,116.68	-29.20	-668.86	28.39	0.53	-0.42	-2.11
7,264.00	8.20	269.50	7,210.68	-30.08	-682.52	29.25	0.98	-0.21	6.63
7,358.00	8.10	269.80	7,303.73	-30.17	-695.85	29.32	0.12	-0.11	0.32
7,454.00	7.90	266.60	7,398.80	-30.58	-709.20	29.71	0.51	-0.21	-3.33
7,549.00	7.50	265.10	7,492.94	-31.50	-721.89	30.62	0.47	-0.42	-1.58
7,644.00	9.20	268.00	7,586.93	-32.29	-735.66	31.39	1.84	1.79	3.05
7,739.00	9.30	267.80	7,680.70	-32.85	-750.92	31.93	0.11	0.11	-0.21
7,834.00	8.80	265.60	7,774.52	-33.70	-765.83	32.77	0.64	-0.53	-2.32
7,929.00	8.50	264.10	7,868.44	-34.98	-780.06	34.03	0.40	-0.32	-1.58
8,024.00	8.20	262.20	7,962.43	-36.62	-793.76	35.65	0.43	-0.32	-2.00
8,119.00	7.70	260.20	8,056.52	-38.63	-806.74	37.64	0.60	-0.53	-2.11
8,214.00	8.80	263.80	8,150.53	-40.49	-820.24	39.49	1.28	1.16	3.79
8,308.00	8.80	262.80	8,243.42	-42.17	-834.52	41.15	0.16	0.00	-1.06
8,403.00	8.80	264.30	8,337.31	-43.81	-848.96	42.77	0.24	0.00	1.58
8,498.00	8.20	263.70	8,431.26	-45.27	-862.93	44.22	0.64	-0.63	-0.63
8,593.00	8.40	272.00	8,525.27	-45.77	-876.60	44.70	1.28	0.21	8.74
8,688.00	7.90	273.30	8,619.31	-45.15	-890.05	44.07	0.56	-0.53	1.37
8,782.00	6.60	270.80	8,712.56	-44.71	-901.90	43.60	1.42	-1.38	-2.66
8,877.00	7.80	261.70	8,806.81	-45.56	-913.74	44.44	1.74	1.26	-9.58
8,972.00	8.50	260.80	8,900.85	-47.61	-927.05	46.48	0.75	0.74	-0.95



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
9,066.00	7.70	257.90	8,993.91	-50.04	-940.06	48.90	0.96	-0.85	-3.09
9,161.00	6.20	251.80	9,088.21	-52.98	-951.16	51.82	1.76	-1.58	-6.42
9,256.00	7.80	259.60	9,182.50	-55.75	-962.38	54.57	1.96	1.68	8.21
9,351.00	8.20	263.10	9,276.58	-57.73	-975.44	56.53	0.66	0.42	3.68
9,446.00	7.90	264.10	9,370.64	-59.21	-988.66	58.00	0.35	-0.32	1.05
9,541.00	8.20	264.90	9,464.71	-60.48	-1,001.90	59.26	0.34	0.32	0.84
9,636.00	9.80	266.60	9,558.53	-61.57	-1,016.72	60.32	1.71	1.68	1.79
9,731.00	9.90	264.20	9,652.13	-62.87	-1,032.92	61.61	0.44	0.11	-2.53
9,826.00	7.80	260.60	9,746.00	-64.75	-1,047.41	63.47	2.29	-2.21	-3.79
9,921.00	7.80	263.30	9,840.12	-66.55	-1,060.17	65.26	0.39	0.00	2.84
10,018.00	8.40	254.60	9,936.16	-69.20	-1,073.54	67.89	1.41	0.62	-8.97
KOP									
10,059.90	11.15	229.88	9,977.46	-72.63	-1,079.59	71.31	11.83	6.56	-58.99
KOP (Mustang 8-17 Fed Com 237H)									
10,112.00	16.10	214.00	10,028.10	-81.87	-1,087.49	80.54	11.83	9.50	-30.49
10,206.00	27.10	196.70	10,115.45	-113.31	-1,100.98	111.97	13.41	11.70	-18.40
10,301.00	35.90	196.70	10,196.37	-160.81	-1,115.23	159.45	9.26	9.26	0.00
10,396.00	43.40	196.50	10,269.46	-218.86	-1,132.53	217.48	7.90	7.89	-0.21
10,491.00	49.90	194.30	10,334.64	-285.44	-1,150.80	284.03	7.05	6.84	-2.32
10,587.00	56.50	192.40	10,392.12	-360.20	-1,168.48	358.77	7.05	6.88	-1.98
10,681.00	61.40	192.20	10,440.59	-438.86	-1,185.63	437.41	5.22	5.21	-0.21
10,776.00	69.10	192.20	10,480.33	-523.12	-1,203.85	521.65	8.11	8.11	0.00
10,871.00	74.90	191.80	10,509.68	-611.46	-1,222.62	609.96	6.12	6.11	-0.42
10,891.69	76.66	191.60	10,514.76	-631.09	-1,226.68	629.59	8.58	8.53	-0.97
LP (Mustang 8-17 Fed Com 237H)									
10,966.00	83.00	190.90	10,527.87	-702.80	-1,240.94	701.28	8.58	8.53	-0.94
11,060.00	90.70	189.80	10,533.03	-795.06	-1,257.79	793.52	8.27	8.19	-1.17
11,156.00	90.50	189.60	10,532.03	-889.68	-1,273.96	888.12	0.29	-0.21	-0.21
11,250.00	90.60	188.80	10,531.12	-982.47	-1,288.99	980.89	0.86	0.11	-0.85
11,345.00	90.80	189.20	10,529.96	-1,076.29	-1,303.85	1,074.70	0.47	0.21	0.42
11,440.00	89.80	189.60	10,529.47	-1,170.01	-1,319.37	1,168.40	1.13	-1.05	0.42
11,535.00	90.30	187.80	10,529.38	-1,263.91	-1,333.73	1,262.28	1.97	0.53	-1.89
11,630.00	89.20	188.20	10,529.80	-1,357.99	-1,346.96	1,356.34	1.23	-1.16	0.42
11,724.00	90.60	185.50	10,529.96	-1,451.30	-1,358.17	1,449.64	3.24	1.49	-2.87
11,820.00	93.50	185.00	10,526.53	-1,546.83	-1,366.94	1,545.16	3.07	3.02	-0.52
11,914.00	92.60	185.40	10,521.53	-1,640.31	-1,375.45	1,638.63	1.05	-0.96	0.43
12,009.00	91.40	185.90	10,518.21	-1,734.79	-1,384.80	1,733.10	1.37	-1.26	0.53
12,104.00	90.70	185.40	10,516.47	-1,829.31	-1,394.15	1,827.61	0.91	-0.74	-0.53
12,199.00	90.70	183.40	10,515.31	-1,924.02	-1,401.44	1,922.30	2.11	0.00	-2.11
12,293.00	91.60	180.90	10,513.42	-2,017.92	-1,404.96	2,016.21	2.83	0.96	-2.66
12,389.00	89.50	180.80	10,512.50	-2,113.90	-1,406.39	2,112.18	2.19	-2.19	-0.10
12,484.00	91.90	178.80	10,511.34	-2,208.88	-1,406.06	2,207.17	3.29	2.53	-2.11
12,579.00	92.00	178.70	10,508.11	-2,303.81	-1,403.98	2,302.09	0.15	0.11	-0.11
12,674.00	91.50	179.40	10,505.21	-2,398.75	-1,402.41	2,397.03	0.91	-0.53	0.74



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

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)
12,768.00	90.20	178.10	10,503.81	-2,492.71	-1,400.36	2,491.00	1.96	-1.38	-1.38
12,863.00	88.90	178.00	10,504.56	-2,587.65	-1,397.13	2,585.94	1.37	-1.37	-0.11
12,958.00	91.30	180.80	10,504.39	-2,682.63	-1,396.13	2,680.92	3.88	2.53	2.95
13,053.00	89.80	180.90	10,503.48	-2,777.61	-1,397.54	2,775.90	1.58	-1.58	0.11
13,103.91	91.51	181.01	10,502.90	-2,828.51	-1,398.39	2,826.80	3.37	3.37	0.21
S8/17 Crossing									
13,148.00	93.00	181.10	10,501.16	-2,872.56	-1,399.20	2,870.85	3.37	3.37	0.21
13,243.00	92.60	180.30	10,496.52	-2,967.44	-1,400.36	2,965.72	0.94	-0.42	-0.84
13,338.00	91.90	179.50	10,492.79	-3,062.36	-1,400.19	3,060.65	1.12	-0.74	-0.84
13,433.00	90.10	178.90	10,491.13	-3,157.33	-1,398.87	3,155.62	2.00	-1.89	-0.63
13,528.00	92.40	178.10	10,489.06	-3,252.27	-1,396.38	3,250.56	2.56	2.42	-0.84
13,623.00	92.30	178.50	10,485.16	-3,347.15	-1,393.56	3,345.44	0.43	-0.11	0.42
13,718.00	91.70	178.30	10,481.85	-3,442.05	-1,390.91	3,440.35	0.67	-0.63	-0.21
13,812.00	91.10	177.70	10,479.55	-3,535.97	-1,387.63	3,534.27	0.90	-0.64	-0.64
13,908.00	92.10	181.60	10,476.87	-3,631.91	-1,387.05	3,630.21	4.19	1.04	4.06
14,003.00	90.50	181.50	10,474.72	-3,726.85	-1,389.62	3,725.15	1.69	-1.68	-0.11
14,097.00	89.70	183.10	10,474.55	-3,820.77	-1,393.39	3,819.06	1.90	-0.85	1.70
14,192.00	89.20	180.90	10,475.46	-3,915.70	-1,396.70	3,913.99	2.37	-0.53	-2.32
14,288.00	88.80	180.40	10,477.14	-4,011.68	-1,397.79	4,009.97	0.67	-0.42	-0.52
14,383.00	89.30	180.00	10,478.71	-4,106.66	-1,398.12	4,104.95	0.67	0.53	-0.42
14,477.00	89.70	180.00	10,479.53	-4,200.66	-1,398.12	4,198.95	0.43	0.43	0.00
14,572.00	89.60	180.00	10,480.11	-4,295.66	-1,398.12	4,293.95	0.11	-0.11	0.00
14,667.00	89.40	180.00	10,480.94	-4,390.65	-1,398.12	4,388.94	0.21	-0.21	0.00
14,762.00	88.70	180.00	10,482.52	-4,485.64	-1,398.12	4,483.93	0.74	-0.74	0.00
14,856.00	90.90	179.00	10,482.85	-4,579.63	-1,397.30	4,577.92	2.57	2.34	-1.06
14,951.00	90.30	178.90	10,481.85	-4,674.61	-1,395.56	4,672.90	0.64	-0.63	-0.11
15,047.00	90.30	178.50	10,481.35	-4,770.58	-1,393.38	4,768.88	0.42	0.00	-0.42
15,141.00	90.40	178.10	10,480.78	-4,864.54	-1,390.60	4,862.84	0.44	0.11	-0.43
15,237.00	91.10	177.60	10,479.52	-4,960.46	-1,386.99	4,958.76	0.90	0.73	-0.52
15,332.00	91.30	181.00	10,477.53	-5,055.42	-1,385.83	5,053.72	3.58	0.21	3.58
15,427.00	89.40	182.80	10,476.95	-5,150.36	-1,388.98	5,148.66	2.75	-2.00	1.89
15,522.00	90.90	183.90	10,476.70	-5,245.19	-1,394.54	5,243.48	1.96	1.58	1.16
15,617.00	89.70	184.20	10,476.20	-5,339.95	-1,401.24	5,338.23	1.30	-1.26	0.32
15,711.00	90.70	184.60	10,475.87	-5,433.67	-1,408.46	5,431.95	1.15	1.06	0.43
15,806.00	91.00	182.70	10,474.46	-5,528.46	-1,414.50	5,526.73	2.02	0.32	-2.00
15,901.00	89.20	181.30	10,474.30	-5,623.40	-1,417.82	5,621.66	2.40	-1.89	-1.47
15,995.00	89.60	180.40	10,475.28	-5,717.38	-1,419.21	5,715.64	1.05	0.43	-0.96
16,090.00	89.90	180.80	10,475.70	-5,812.38	-1,420.21	5,810.64	0.53	0.32	0.42
16,185.00	89.80	179.80	10,475.95	-5,907.37	-1,420.70	5,905.63	1.06	-0.11	-1.05
16,279.00	90.20	180.20	10,475.95	-6,001.37	-1,420.70	5,999.63	0.60	0.43	0.43
16,375.00	91.50	180.90	10,474.52	-6,097.35	-1,421.63	6,095.61	1.54	1.35	0.73
16,470.00	91.30	180.40	10,472.20	-6,192.32	-1,422.70	6,190.58	0.57	-0.21	-0.53
16,565.00	89.60	180.80	10,471.45	-6,287.31	-1,423.70	6,285.56	1.84	-1.79	0.42
16,659.00	90.00	180.50	10,471.78	-6,381.30	-1,424.76	6,379.56	0.53	0.43	-0.32



Total Directional Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Mustang 8-17 Fed Com 237H
Project:	Lea County, NM (NAD83)	TVD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Site:	Mustang 8-17 Fed Com	MD Reference:	3433.6' GE + 25' KB @ 3458.60usft
Well:	Mustang 8-17 Fed Com 237H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,755.00	88.90	179.30	10,472.70	-6,477.29	-1,424.60	6,475.55	1.70	-1.15	-1.25	
16,849.00	89.60	180.30	10,473.94	-6,571.28	-1,424.27	6,569.54	1.30	0.74	1.06	
16,944.00	91.40	181.60	10,473.11	-6,666.26	-1,425.84	6,664.51	2.34	1.89	1.37	
17,039.00	89.70	181.90	10,472.19	-6,761.21	-1,428.74	6,759.46	1.82	-1.79	0.32	
17,134.00	89.00	181.60	10,473.27	-6,856.16	-1,431.65	6,854.40	0.80	-0.74	-0.32	
17,229.00	89.10	182.00	10,474.85	-6,951.10	-1,434.63	6,949.34	0.43	0.11	0.42	
17,324.00	89.60	182.10	10,475.92	-7,046.03	-1,438.03	7,044.27	0.54	0.53	0.11	
17,419.00	90.60	182.50	10,475.76	-7,140.95	-1,441.84	7,139.18	1.13	1.05	0.42	
17,514.00	90.30	182.80	10,475.01	-7,235.85	-1,446.23	7,234.07	0.45	-0.32	0.32	
17,609.00	90.80	183.20	10,474.10	-7,330.71	-1,451.20	7,328.93	0.67	0.53	0.42	
17,703.00	90.10	183.30	10,473.36	-7,424.56	-1,456.53	7,422.77	0.75	-0.74	0.11	
17,798.00	89.80	183.20	10,473.45	-7,519.40	-1,461.92	7,517.61	0.33	-0.32	-0.11	
17,893.00	90.30	183.60	10,473.36	-7,614.24	-1,467.55	7,612.44	0.67	0.53	0.42	
17,988.00	91.30	183.90	10,472.04	-7,709.02	-1,473.77	7,707.22	1.10	1.05	0.32	
18,083.00	91.60	184.30	10,469.63	-7,803.75	-1,480.56	7,801.93	0.53	0.32	0.42	
18,178.00	91.90	184.60	10,466.73	-7,898.42	-1,487.92	7,896.59	0.45	0.32	0.32	
18,272.00	92.80	184.80	10,462.88	-7,992.02	-1,495.62	7,990.19	0.98	0.96	0.21	
18,309.00	93.30	185.20	10,460.91	-8,028.83	-1,498.84	8,026.99	1.73	1.35	1.08	
18,367.00	93.30	185.20	10,457.57	-8,086.49	-1,504.09	8,084.65	0.00	0.00	0.00	
BHL - PBHL (Mustang 8-17 Fed Com 237H)										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,018.00	9,936.16	-69.20	-1,073.54	KOP	
13,103.91	10,502.90	-2,828.51	-1,398.39	S8/17 Crossing	
18,367.00	10,457.57	-8,086.49	-1,504.09	BHL	

Checked By: _____ Approved By: _____ Date: _____

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 18247

CONDITIONS OF APPROVAL

Operator: DEVON ENERGY PRODUCTION COMPAN			333 West Sheridan Ave.	Oklahoma City, OK73102	OGRID: 6137	Action Number: 18247	Action Type: C-104C
OCD Reviewer					Condition		
plmartinez					None		