

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 / 10/7/20
⁴ API Number 30-025-46413	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	⁹ Well Number 236H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	8	25S	32E		2468	North	1405	West	Lea

¹¹ Bottom Hole Location

UL or lot no. M	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	17	25S	32E		54	South	1683	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/7/20	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date	SL			

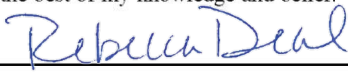
III. Oil and Gas Transporters

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 12/3/19	²² Ready Date 10/7/20	²³ TD 18,037'	²⁴ PBTD 17,986'	²⁵ Perforations 10777 - 18013	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5		13.375		858'	800 sx cmt; Circ 257 sx
12.25		9.625		4689'	695 sx CIA; Circ 217 sx
8.75 & 8.5		5.5		17,989'	1820 sx CI POZ MIX; Circ 0 sx
		Tubing:		0	

V. Well Test Data

³¹ Date New Oil 10/31/20	³² Gas Delivery Date 10/31/20	³³ Test Date 10/31/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure 1171 psi
³⁷ Choke Size	³⁸ Oil 2972 bbl	³⁹ Water 2855 bbl	⁴⁰ Gas 5331 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@dvn.com			Approval Date: 3/11/2021		
Date: 11/6/2020		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 30-025-46413	² Pool Code 97899	³ Pool Name WC-025 G-06 S253206M; BONE SPRING	KZ
⁴ Property Code 326166	⁵ Property Name MUSTANG 8-17 FED		⁶ Well Number 236H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		⁹ Elevation 3438.1

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
F	8	25 S	32 E		2468	NORTH	1405	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 17	Township 25 S	Range 32 E	Lot Idn	Feet from the 54	North/South line SOUTH	Feet from the	East/West line WEST	County 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.

N89°27'31"E 2651.96 FT		N89°21'16"E 2654.83 FT	
NW CORNER SEC. 8 LAT. = 32.1520868°N LONG. = 103.7057784°W NMSP EAST (FT) N = 419630.55 E = 735551.95	N/4 CORNER SEC. 8 LAT. = 32.1521129°N LONG. = 103.6972114°W NMSP EAST (FT) N = 419655.61 E = 738203.22	NE CORNER SEC. 8 LAT. = 32.1521517°N LONG. = 103.6886353°W NMSP EAST (FT) N = 419685.52 E = 740857.31	E/4 CORNER SEC. 8 LAT. = 32.1448894°N LONG. = 103.6886077°W NMSP EAST (FT) N = 417043.62 E = 740881.67
W/4 CORNER SEC. 8 LAT. = 32.1447998°N LONG. = 103.7058066°W NMSP EAST (FT) N = 416979.58 E = 735558.67	MUSTANG 8-17 FED 236H ELEV. = 3438.1' LAT. = 32.1453180°N (NAD83) LONG. = 103.7012661°W NMSP EAST (FT) N = 417176.31 E = 736952.87	AS-DRILLED FIRST TAKE POINT 2020' FSL, 2065' FWL LAT. = 32.1431584°N LONG. = 103.6991415°W NMSP EAST (FT) N = 416394.56 E = 737625.07	SE CORNER SEC. 8 LAT. = 32.1376330°N LONG. = 103.6886037°W NMSP EAST (FT) N = 414403.87 E = 740898.71
SW CORNER SEC. 8 LAT. = 32.1375765°N LONG. = 103.7058298°W NMSP EAST (FT) N = 414351.80 E = 735566.80	S/4 CORNER SEC. 8 LAT. = 32.1376169°N LONG. = 103.6972124°W NMSP EAST (FT) N = 414382.17 E = 738234.06	AS-DRILLED KOP 2427' FSL, 2046' FWL LAT. = 32.1442766°N LONG. = 103.6992001°W NMSP EAST (FT) N = 416801.23 E = 737604.55	E/4 CORNER SEC. 17 LAT. = 32.1303919°N LONG. = 103.6886431°W NMSP EAST (FT) N = 411769.58 E = 740902.27
W/4 CORNER SEC. 17 LAT. = 32.1303234°N LONG. = 103.7058608°W NMSP EAST (FT) N = 411713.20 E = 735572.57	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.	AS-DRILLED LAST TAKE POINT 78' FSL, 1684' FWL LAT. = 32.1233104°N LONG. = 103.7004622°W NMSP EAST (FT) N = 409171.74 E = 737258.72	SE CORNER SEC. 17 LAT. = 32.1231385°N LONG. = 103.6886850°W NMSP EAST (FT) N = 409130.80 E = 740905.11
SW CORNER SEC. 17 LAT. = 32.1230761°N LONG. = 103.7059029°W NMSP EAST (FT) N = 409076.66 E = 735574.89	AS-DRILLED BOTTOM OF HOLE LAT. = 32.1232445°N LONG. = 103.7004660°W NMSP EAST (FT) N = 409147.77 E = 737257.69	LTP BHL DNF	SURVEYOR'S SEAL 12797

Intent ☐ As Drilled ☒

API # 30-025-46413		
Operator Name: DEVON ENERGY PRODUCTION CO., L.P.	Property Name: MUSTANG 8-17 FED	Well Number 236H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	8	25S	32E		2427	SOUTH	2046	WEST	LEA
Latitude 32.1442766					Longitude 103.6992001				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	8	25S	32E		2020	SOUTH	2065	WEST	LEA
Latitude 32.1431584					Longitude 103.6991415				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	17	25S	32E		78	SOUTH	1684	WEST	LEA
Latitude 32.1233104					Longitude 103.7004622				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



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/03/19** thru **12/15/19** conduct or supervise the taking of a **MWD Survey** from a depth of **164'** to a depth of **18,037'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Devon Energy** for the **Mustang 8-17 Fed #236H** API No. **30-025-46431** in **Lea County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

13901 Hwy 105 W., Conroe, Texas

77304

PH 936-539-9602



Devon Energy

Lea Co., NM (Nad83 - East Zone)

Mustang 8-17 Fed

#236H

OH

Design: OH

End Of Well Report

17 December, 2019



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project	Lea Co., NM (Nad83 - East Zone)		
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		
Site Position:		Northing:	417,176.02 usft
From:	Map	Easting:	736,932.88 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.145318
		Longitude:	-103.701363
		Grid Convergence:	0.336 °

Well		#236H				
Well Position	+N/-S	0.00 usft	Northing:	417,176.31 usft	Latitude:	32.145318
	+E/-W	0.00 usft	Easting:	736,962.87 usft	Longitude:	-103.701266
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,438.10 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/14/2019	6.747	59.939	47,630.13615445

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	182.61	

Survey Program	Date	12/17/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
164.00	18,037.00	Survey #1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM	



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164.00	0.40	348.74	164.00	0.56	-0.11	-0.56	164.00	348.74	0.24
268.00	0.48	237.39	268.00	0.68	-0.55	-0.66	104.00	285.48	0.70
360.00	0.48	234.14	359.99	0.25	-1.19	-0.19	92.00	235.76	0.03
452.00	0.57	227.90	451.99	-0.28	-1.84	0.37	92.00	230.75	0.12
544.00	0.48	199.24	543.99	-0.95	-2.30	1.06	92.00	214.82	0.30
636.00	0.57	195.73	635.98	-1.76	-2.56	1.87	92.00	197.33	0.10
729.00	0.66	190.54	728.98	-2.73	-2.78	2.85	93.00	192.94	0.11
784.00	0.53	165.93	783.97	-3.29	-2.78	3.41	55.00	179.60	0.52
976.00	0.44	177.53	975.97	-4.89	-2.53	5.00	192.00	171.19	0.07
1,070.00	1.71	106.25	1,069.95	-5.64	-1.17	5.69	94.00	118.94	1.73
1,165.00	3.12	102.12	1,164.86	-6.58	2.72	6.45	95.00	103.58	1.49
1,259.00	4.44	108.19	1,258.66	-8.25	8.68	7.85	94.00	105.68	1.47
1,353.00	5.63	118.21	1,352.30	-11.57	16.20	10.82	94.00	113.79	1.57
1,448.00	6.59	119.88	1,446.75	-16.49	25.03	15.33	95.00	119.11	1.03
1,542.00	7.74	115.75	1,540.02	-21.92	35.41	20.29	94.00	117.65	1.34
1,637.00	8.53	116.80	1,634.06	-27.88	47.46	25.69	95.00	116.30	0.85
1,732.00	9.85	119.79	1,727.84	-35.09	60.81	32.29	95.00	118.40	1.48
1,826.00	9.36	119.35	1,820.52	-42.83	74.45	39.40	94.00	119.58	0.53
1,921.00	10.81	117.59	1,914.05	-50.75	89.08	46.64	95.00	118.41	1.56
2,015.00	11.21	116.01	2,006.32	-58.84	105.10	53.99	94.00	116.79	0.53
2,110.00	11.08	117.15	2,099.53	-67.05	121.52	61.45	95.00	116.58	0.27
2,205.00	11.12	114.34	2,192.76	-74.99	137.99	68.63	95.00	115.74	0.57
2,299.00	10.77	115.57	2,285.05	-82.52	154.17	75.41	94.00	114.95	0.45
2,394.00	10.51	115.40	2,378.41	-90.07	170.01	82.23	95.00	115.49	0.28
2,488.00	10.37	113.55	2,470.86	-97.13	185.51	88.58	94.00	114.48	0.39
2,583.00	9.93	112.85	2,564.37	-103.72	200.89	94.47	95.00	113.21	0.48



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
2,678.00	9.27	111.09	2,658.04	-109.66	215.58	99.73	95.00	112.00	0.76
2,773.00	10.02	110.21	2,751.70	-115.27	230.48	104.65	95.00	110.63	0.80
2,868.00	10.99	108.80	2,845.10	-121.04	246.80	109.67	95.00	109.47	1.06
2,962.00	10.55	110.03	2,937.45	-126.87	263.37	114.75	94.00	109.40	0.53
3,056.00	9.58	109.77	3,030.00	-132.47	278.82	119.63	94.00	109.91	1.03
3,151.00	9.32	111.00	3,123.71	-137.90	293.44	124.39	95.00	110.38	0.35
3,246.00	9.67	113.99	3,217.41	-143.90	307.91	129.73	95.00	112.52	0.64
3,340.00	9.89	113.99	3,310.04	-150.39	322.50	135.55	94.00	113.99	0.23
3,435.00	9.05	114.52	3,403.75	-156.81	336.75	141.31	95.00	114.24	0.89
3,529.00	8.18	114.08	3,496.69	-162.61	349.58	146.52	94.00	114.31	0.93
3,623.00	8.40	114.60	3,589.70	-168.19	361.93	151.54	94.00	114.34	0.25
3,718.00	8.00	114.87	3,683.73	-173.86	374.24	156.64	95.00	114.73	0.42
3,812.00	8.22	111.70	3,776.79	-179.10	386.41	161.31	94.00	113.26	0.53
3,906.00	9.58	112.85	3,869.66	-184.62	399.87	166.22	94.00	112.32	1.46
4,001.00	9.63	114.43	3,963.33	-190.97	414.39	171.91	95.00	113.64	0.28
4,096.00	9.76	115.40	4,056.97	-197.71	428.90	177.98	95.00	114.92	0.22
4,190.00	9.71	118.12	4,149.62	-204.87	443.08	184.48	94.00	116.76	0.49
4,284.00	9.67	121.46	4,242.28	-212.73	456.81	191.70	94.00	119.79	0.60
4,379.00	9.23	125.15	4,335.99	-221.28	469.85	199.65	95.00	123.26	0.79
4,472.00	7.91	123.39	4,427.95	-229.09	481.29	206.94	93.00	124.34	1.45
4,566.00	8.66	122.16	4,520.97	-236.42	492.68	213.74	94.00	122.75	0.82
4,641.00	10.77	119.97	4,594.89	-242.93	503.53	219.74	75.00	120.95	2.86
4,734.00	12.66	116.80	4,685.95	-251.86	520.16	227.91	93.00	118.26	2.15
4,828.00	12.53	116.54	4,777.68	-261.06	538.47	236.27	94.00	116.67	0.15
4,922.00	12.31	116.45	4,869.48	-270.08	556.57	244.46	94.00	116.50	0.23
5,016.00	12.09	117.42	4,961.36	-279.08	574.28	252.64	94.00	116.93	0.32
5,109.00	11.91	116.63	5,052.33	-287.86	591.50	260.63	93.00	117.03	0.26



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
5,204.00	12.04	117.33	5,145.26	-296.81	609.07	268.76	95.00	116.98	0.21
5,298.00	12.26	115.48	5,237.16	-305.60	626.78	276.74	94.00	116.40	0.48
5,393.00	10.81	116.45	5,330.24	-313.91	643.87	284.26	95.00	115.93	1.54
5,488.00	9.54	115.92	5,423.74	-321.32	658.92	290.98	95.00	116.20	1.34
5,582.00	8.48	118.47	5,516.58	-328.03	672.02	297.09	94.00	117.12	1.20
5,677.00	8.35	113.29	5,610.56	-334.10	684.52	302.58	95.00	115.90	0.81
5,772.00	7.08	115.31	5,704.70	-339.33	696.15	307.27	95.00	114.22	1.37
5,867.00	7.12	113.37	5,798.97	-344.16	706.84	311.62	95.00	114.34	0.26
5,961.00	6.42	116.10	5,892.31	-348.79	716.91	315.78	94.00	114.66	0.82
6,056.00	5.05	121.81	5,986.83	-353.33	725.23	319.94	95.00	118.61	1.56
6,151.00	4.26	133.50	6,081.52	-357.96	731.35	324.29	95.00	127.16	1.30
6,246.00	3.38	155.91	6,176.32	-362.95	735.05	329.10	95.00	143.40	1.81
6,341.00	2.46	179.20	6,271.19	-367.54	736.22	333.64	95.00	165.70	1.56
6,436.00	2.29	189.66	6,366.11	-371.45	735.93	337.55	95.00	184.24	0.49
6,531.00	2.55	206.19	6,461.03	-375.22	734.68	341.37	95.00	198.37	0.78
6,625.00	2.07	233.08	6,554.96	-378.12	732.40	344.37	94.00	218.21	1.25
6,719.00	2.42	239.94	6,648.88	-380.13	729.32	346.52	94.00	236.78	0.47
6,814.00	1.89	268.15	6,743.82	-381.18	726.02	347.73	95.00	252.28	1.23
6,909.00	1.98	275.88	6,838.76	-381.07	722.82	347.76	95.00	272.10	0.29
7,003.00	2.15	281.68	6,932.70	-380.54	719.48	347.39	94.00	278.90	0.29
7,098.00	1.93	270.96	7,027.64	-380.16	716.14	347.15	95.00	276.61	0.46
7,192.00	1.80	256.46	7,121.59	-380.48	713.12	347.61	94.00	263.96	0.52
7,286.00	1.63	261.21	7,215.55	-381.03	710.36	348.28	94.00	258.72	0.24
7,380.00	1.93	241.08	7,309.51	-381.99	707.66	349.37	94.00	250.29	0.73
7,473.00	1.76	282.39	7,402.46	-382.45	704.89	349.95	93.00	260.74	1.41
7,567.00	1.85	310.69	7,496.42	-381.15	702.33	348.77	94.00	296.90	0.94
7,662.00	1.89	312.80	7,591.37	-379.08	700.02	346.81	95.00	311.76	0.08



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
7,756.00	1.85	318.16	7,685.32	-376.90	697.87	344.73	94.00	315.45	0.19	
7,850.00	1.98	318.16	7,779.27	-374.56	695.77	342.49	94.00	318.16	0.14	
7,944.00	1.93	316.23	7,873.21	-372.21	693.60	340.24	94.00	317.21	0.09	
8,038.00	1.71	300.23	7,967.16	-370.36	691.29	338.49	94.00	308.72	0.59	
8,132.00	1.71	291.62	8,061.12	-369.13	688.77	337.39	94.00	295.92	0.27	
8,225.00	2.11	292.23	8,154.07	-367.97	685.90	336.36	93.00	291.96	0.43	
8,319.00	1.85	290.39	8,248.01	-366.79	682.87	335.31	94.00	291.37	0.28	
8,412.00	1.67	286.96	8,340.97	-365.87	680.17	334.52	93.00	288.76	0.22	
8,507.00	1.54	262.26	8,435.93	-365.64	677.58	334.41	95.00	275.12	0.73	
8,602.00	1.58	272.81	8,530.90	-365.75	675.01	334.63	95.00	267.60	0.30	
8,696.00	1.80	258.22	8,624.86	-365.99	672.27	334.99	94.00	265.04	0.51	
8,791.00	1.27	262.17	8,719.82	-366.44	669.77	335.56	95.00	259.85	0.57	
8,885.00	1.41	261.12	8,813.80	-366.76	667.59	335.97	94.00	261.62	0.15	
8,981.00	1.05	262.88	8,909.78	-367.05	665.55	336.36	96.00	261.87	0.38	
9,075.00	1.10	268.33	9,003.76	-367.18	663.79	336.57	94.00	265.67	0.12	
9,170.00	1.01	267.71	9,098.74	-367.24	662.05	336.71	95.00	268.03	0.10	
9,265.00	0.57	251.89	9,193.73	-367.42	660.76	336.95	95.00	262.02	0.51	
9,360.00	1.10	264.37	9,288.72	-367.66	659.40	337.25	95.00	260.12	0.59	
9,455.00	1.54	243.72	9,383.70	-368.31	657.35	338.00	95.00	252.31	0.68	
9,550.00	1.49	235.98	9,478.67	-369.57	655.18	339.35	95.00	239.91	0.22	
9,645.00	1.32	236.86	9,573.64	-370.86	653.24	340.73	95.00	236.39	0.18	
9,740.00	1.05	243.80	9,668.62	-371.84	651.55	341.78	95.00	239.93	0.32	
9,835.00	0.88	239.58	9,763.60	-372.59	650.14	342.60	95.00	241.88	0.19	
9,930.00	1.80	264.81	9,858.58	-373.10	648.02	343.20	95.00	256.59	1.13	
10,025.00	2.90	271.84	9,953.50	-373.16	644.13	343.44	95.00	269.15	1.19	
10,115.00	4.40	202.67	10,043.35	-376.27	640.53	346.71	90.00	229.20	4.80	



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
10,125.00	5.57	195.92	10,053.31	-377.09	640.24	347.54	10.00	198.90	13.10	
KOP @ 10125.00' MD 2422.58' FSL SEC 8, 2044.25' FWL SEC 8										
10,210.00	16.40	180.26	10,136.64	-393.11	639.05	363.60	85.00	184.25	13.10	
10,305.00	26.20	179.12	10,225.05	-427.57	639.32	398.02	95.00	179.56	10.32	
10,399.00	35.47	183.51	10,305.68	-475.65	637.96	446.11	94.00	181.61	10.14	
10,493.00	45.98	184.13	10,376.82	-536.76	633.85	507.34	94.00	183.85	11.19	
10,588.00	56.26	183.33	10,436.37	-610.46	629.08	581.18	95.00	183.70	10.84	
10,624.51	60.00	182.72	10,455.65	-641.41	627.45	612.18	36.51	183.02	10.34	
FTP @ 10624.51' MD 2157.15' FSL SEC 8, 2031.23' FWL SEC 8										
10,682.00	65.89	181.84	10,481.78	-692.55	625.42	663.35	57.49	182.27	10.34	
10,777.00	74.99	182.10	10,513.56	-781.92	622.34	752.77	95.00	181.97	9.58	
10,872.00	85.85	181.40	10,529.34	-875.41	619.50	846.29	95.00	181.74	11.45	
10,967.00	91.38	180.43	10,531.64	-970.33	617.98	941.19	95.00	180.91	5.91	
11,000.00	91.87	180.35	10,530.70	-1,003.32	617.76	974.15	33.00	180.39	1.50	
11,094.00	91.69	180.35	10,527.78	-1,097.27	617.18	1,068.03	94.00	180.35	0.19	
11,189.00	91.21	181.23	10,525.38	-1,192.23	615.87	1,162.95	95.00	180.79	1.05	
11,283.00	90.42	181.66	10,524.04	-1,286.19	613.50	1,256.92	94.00	181.45	0.96	
11,378.00	89.49	181.66	10,524.12	-1,381.15	610.75	1,351.91	95.00	181.66	0.98	
11,473.00	91.21	182.63	10,523.54	-1,476.08	607.20	1,446.90	95.00	182.14	2.08	
11,567.00	90.95	182.81	10,521.76	-1,569.95	602.74	1,540.88	94.00	182.72	0.34	
11,661.00	90.20	182.72	10,520.82	-1,663.84	598.20	1,634.87	94.00	182.76	0.80	
11,756.00	91.56	183.33	10,519.36	-1,758.69	593.19	1,729.86	95.00	183.02	1.57	
11,850.00	91.60	183.42	10,516.77	-1,852.49	587.66	1,823.81	94.00	183.37	0.10	
11,945.00	91.16	183.69	10,514.48	-1,947.28	581.77	1,918.77	95.00	183.56	0.54	
12,039.00	90.99	183.95	10,512.72	-2,041.06	575.51	2,012.73	94.00	183.82	0.33	
12,134.00	90.90	184.21	10,511.15	-2,135.80	568.75	2,107.69	95.00	184.08	0.29	
12,229.00	91.21	184.65	10,509.40	-2,230.50	561.41	2,202.63	95.00	184.43	0.57	



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
12,324.00	91.30	185.09	10,507.32	-2,325.14	553.35	2,297.53	95.00	184.87	0.47	
12,419.00	91.08	182.72	10,505.35	-2,419.89	546.88	2,392.48	95.00	183.90	2.50	
12,514.00	90.81	182.10	10,503.78	-2,514.79	542.89	2,487.46	95.00	182.41	0.71	
12,608.00	90.68	182.54	10,502.56	-2,608.71	539.08	2,581.45	94.00	182.32	0.49	
12,702.00	90.55	182.81	10,501.55	-2,702.60	534.69	2,675.45	94.00	182.68	0.32	
12,797.00	90.11	182.81	10,501.00	-2,797.48	530.04	2,770.45	95.00	182.81	0.46	
12,891.00	91.56	181.31	10,499.63	-2,891.41	526.66	2,864.43	94.00	182.06	2.22	
12,986.00	91.87	181.31	10,496.79	-2,986.34	524.49	2,959.36	95.00	181.31	0.33	
13,080.00	92.00	181.40	10,493.62	-3,080.26	522.27	3,053.28	94.00	181.35	0.17	
13,175.00	92.13	181.58	10,490.19	-3,175.17	519.80	3,148.20	95.00	181.49	0.23	
13,269.00	91.96	181.31	10,486.84	-3,269.08	517.43	3,242.12	94.00	181.44	0.34	
13,364.00	92.31	181.93	10,483.30	-3,363.97	514.75	3,337.04	95.00	181.62	0.75	
13,459.00	92.40	182.19	10,479.40	-3,458.83	511.33	3,431.96	95.00	182.06	0.29	
13,553.00	92.35	182.10	10,475.50	-3,552.68	507.82	3,525.87	94.00	182.14	0.11	
13,648.00	92.48	182.37	10,471.50	-3,647.53	504.12	3,620.79	95.00	182.23	0.32	
13,742.00	92.62	183.51	10,467.32	-3,741.31	499.30	3,714.69	94.00	182.94	1.22	
13,837.00	92.57	183.77	10,463.01	-3,836.02	493.28	3,809.58	95.00	183.64	0.28	
13,931.00	91.47	183.16	10,459.70	-3,929.79	487.60	3,903.51	94.00	183.46	1.34	
14,025.00	90.86	182.72	10,457.79	-4,023.64	482.78	3,997.49	94.00	182.94	0.80	
14,120.00	91.12	182.46	10,456.15	-4,118.53	478.49	4,092.47	95.00	182.59	0.39	
14,215.00	91.21	182.37	10,454.22	-4,213.43	474.48	4,187.45	95.00	182.42	0.13	
14,309.00	89.01	182.81	10,454.04	-4,307.33	470.24	4,281.45	94.00	182.59	2.39	
14,404.00	88.88	182.81	10,455.79	-4,402.20	465.58	4,376.43	95.00	182.81	0.14	
14,499.00	89.10	182.90	10,457.46	-4,497.06	460.85	4,471.41	95.00	182.86	0.25	
14,593.00	88.97	182.90	10,459.04	-4,590.93	456.09	4,565.40	94.00	182.90	0.14	
14,687.00	89.23	183.33	10,460.52	-4,684.78	450.99	4,659.38	94.00	183.12	0.53	
14,782.00	89.76	183.42	10,461.36	-4,779.61	445.39	4,754.37	95.00	183.38	0.57	



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
14,876.00	89.98	183.86	10,461.57	-4,873.42	439.43	4,848.35	94.00	183.64	0.52	
14,971.00	90.11	183.95	10,461.50	-4,968.20	432.96	4,943.33	95.00	183.90	0.17	
15,066.00	90.33	183.51	10,461.13	-5,063.00	426.78	5,038.31	95.00	183.73	0.52	
15,160.00	90.64	184.13	10,460.33	-5,156.78	420.51	5,132.29	94.00	183.82	0.74	
15,254.00	90.37	184.65	10,459.51	-5,250.51	413.32	5,226.24	94.00	184.39	0.62	
15,349.00	90.68	185.18	10,458.64	-5,345.15	405.18	5,321.16	95.00	184.91	0.65	
15,444.00	90.99	185.62	10,457.25	-5,439.72	396.24	5,416.03	95.00	185.40	0.57	
15,539.00	89.67	183.77	10,456.70	-5,534.39	388.46	5,510.96	95.00	184.69	2.39	
15,633.00	89.49	183.07	10,457.39	-5,628.22	382.86	5,604.95	94.00	183.42	0.77	
15,728.00	89.80	183.86	10,457.98	-5,723.05	377.12	5,699.94	95.00	183.47	0.89	
15,822.00	89.27	182.90	10,458.74	-5,816.88	371.57	5,793.92	94.00	183.38	1.17	
15,917.00	89.19	182.02	10,460.02	-5,911.78	367.50	5,888.91	95.00	182.46	0.93	
16,012.00	89.19	181.93	10,461.36	-6,006.71	364.22	5,983.90	95.00	181.97	0.09	
16,107.00	89.45	181.93	10,462.49	-6,101.65	361.02	6,078.88	95.00	181.93	0.27	
16,201.00	90.07	182.19	10,462.89	-6,195.59	357.65	6,172.88	94.00	182.06	0.72	
16,296.00	90.51	182.10	10,462.40	-6,290.52	354.09	6,267.87	95.00	182.15	0.47	
16,391.00	90.99	182.19	10,461.16	-6,385.45	350.53	6,362.86	95.00	182.14	0.51	
16,486.00	91.21	182.10	10,459.34	-6,480.36	346.98	6,457.84	95.00	182.15	0.25	
16,581.00	91.52	182.28	10,457.07	-6,575.27	343.35	6,552.81	95.00	182.19	0.38	
16,675.00	90.11	182.46	10,455.74	-6,669.18	339.46	6,646.80	94.00	182.37	1.51	
16,770.00	90.24	182.46	10,455.45	-6,764.09	335.39	6,741.80	95.00	182.46	0.14	
16,864.00	90.86	182.10	10,454.55	-6,858.01	331.65	6,835.79	94.00	182.28	0.76	
16,959.00	91.65	182.10	10,452.46	-6,952.92	328.17	6,930.76	95.00	182.10	0.83	
17,054.00	89.85	181.49	10,451.22	-7,047.86	325.19	7,025.74	95.00	181.79	2.00	
17,149.00	89.80	181.31	10,451.51	-7,142.83	322.87	7,120.72	95.00	181.40	0.20	
17,244.00	88.66	181.14	10,452.79	-7,237.80	320.84	7,215.68	95.00	181.23	1.21	
17,339.00	88.88	181.31	10,454.83	-7,332.76	318.81	7,310.63	95.00	181.23	0.29	



Wellbenders

End Of Well Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #236H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Site:	Mustang 8-17 Fed	MD Reference:	RKB=30' @ 3468.10usft (Cactus 108)
Well:	#236H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
17,434.00	89.41	181.58	10,456.24	-7,427.72	316.41	7,405.60	95.00	181.45	0.63	
17,528.00	90.15	181.66	10,456.61	-7,521.68	313.76	7,499.59	94.00	181.62	0.79	
17,623.00	89.19	181.93	10,457.15	-7,616.63	310.78	7,594.58	95.00	181.79	1.05	
17,718.00	89.49	181.93	10,458.25	-7,711.57	307.58	7,689.56	95.00	181.93	0.32	
17,812.00	90.37	182.28	10,458.36	-7,805.50	304.13	7,783.56	94.00	182.11	1.01	
17,907.00	91.12	182.28	10,457.13	-7,900.42	300.35	7,878.55	95.00	182.28	0.79	
17,978.00	91.65	182.46	10,455.41	-7,971.34	297.41	7,949.53	71.00	182.37	0.79	
17,989.21	91.65	182.46	10,455.09	-7,982.53	296.93	7,960.73	11.21	182.46	0.00	
LTP @ 17989.21' MD 100' FSL SEC 17, 1685' FWL SEC 17										
18,037.00	91.65	182.46	10,453.71	-8,030.26	294.88	8,008.50	47.79	182.46	0.00	
BHL @ 18037.00' MD 52.20' FSL SEC 17, 1682.59' FWL SEC 17										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,125.00	10,053.31	-377.09	640.24	KOP @ 10125.00' MD 2422.58' FSL SEC 8, 2044.25' FWL SEC 8
10,624.51	10,455.65	-641.41	627.45	FTP @ 10624.51' MD 2157.15' FSL SEC 8, 2031.23' FWL SEC 8
17,989.21	10,455.09	-7,982.53	296.93	LTP @ 17989.21' MD 100' FSL SEC 17, 1685' FWL SEC 17
18,037.00	10,453.71	-8,030.26	294.88	BHL @ 18037.00' MD 52.20' FSL SEC 17, 1682.59' FWL SEC 17

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 18242

CONDITIONS OF APPROVAL

Operator: DEVON ENERGY PRODUCTION COMPAN 333 West Sheridan Ave. Oklahoma City, OK73102			OGRID: 6137	Action Number: 18242	Action Type: C-104C
OCD Reviewer			Condition		
plmartinez			None		