

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 / 7/5/22
⁴ API Number 30-025-49427	⁵ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP	⁶ Pool Code 98135
⁷ Property Code 30884	⁸ Property Name Thistle Unit	⁹ Well Number 185H

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
B	22	23S	33E		160	North	1740	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	23S	33E		68	South	264	East	Lea
¹² Lse Code S	¹³ Producing Method Code E	¹⁴ Gas Connection Date 7/5/22	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

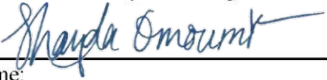
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
174238	Enterprise 201 Park Avenue, Ste 1600 Oklahoma City, OK 73102	Oil
6137	Devon Energy Production Company, L.P. 333 W. Sheridan Avenue Oklahoma City, OK 73102	Gas

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
1/16/22	7/5/22	28002	27,960 MD/12,424 TVD	12893 - 27949	
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement	
13-1/2"		10-3/4"	1465	967 sx CIC; Circ 0 sx	
9-7/8"		8-5/8"	11844	728 sx CIC ; Circ 206 sx	
7-7/8"		5-1/2"	27960	2007 sx CIC; Circ 0 sx	
		Tubing:	0		

V. Well Test Data

³¹ Date New Oil 7/13/22	³² Gas Delivery Date 7/13/22	³³ Test Date 7/13/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 8 psi	³⁶ Csg. Pressure 1771 psi
³⁷ Choke Size 74	³⁸ Oil 2779 bbl	³⁹ Water 7638 bbl	⁴⁰ Gas 5585 mcf		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Shayda Omoumi			Approved by:		
Title: Regulatory Compliance Associate			Title:		
E-mail Address: shayda.omoumi@dvn.com			Approval Date:		
Date: 7/18/2022		Phone: 405-552-3513			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49427	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP
⁴ Property Code 30884	⁵ Property Name THISTLE UNIT	⁶ Well Number 185H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3718.3

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
B	22	23 S	33 E		160	NORTH	1740	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
P	34	23 S	33 E		68	SOUTH	264	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Shayda Omoumi</i> 7/13/2022 Signature Date Shayda Omoumi Printed Name shayda.omoumi@dvn.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. JUNE 27, 2022 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor: 12797 Certificate Number: 12797 Survey No. 8633A
--	---

Intent ☐ As Drilled ☒

API # 30-025-49427		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, L.P.	Property Name: THISTLE UNIT	Well Number 185H

Kick Off Point (KOP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 37	From N/S NORTH	Feet 330	From E/W EAST	County LEA
Latitude 32.2973522					Longitude 103.5527413				NAD 83

First Take Point (FTP)

UL A	Section 22	Township 23S	Range 33E	Lot	Feet 688	From N/S NORTH	Feet 258	From E/W EAST	County LEA
Latitude 32.2955635					Longitude 103.5525112				NAD 83

Last Take Point (LTP)

UL P	Section 34	Township 23S	Range 33E	Lot	Feet 121	From N/S SOUTH	Feet 264	From E/W EAST	County LEA
Latitude 32.2542122					Longitude 103.5525180				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Devon Energy

Lea Co., NM (Nad83 - East Zone)

Thistle Unit.

185H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

08 March, 2022





Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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		Thistle Unit.			
Site Position:		Northing:	472,353.22 usft	Latitude:	32.296272
From:	Map	Easting:	776,846.84 usft	Longitude:	-103.571145
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.407 °

Well	185H					
Well Position	+N/-S	0.00 usft	Northing:	472,656.47 usft	Latitude:	32.297021
	+E/-W	0.00 usft	Easting:	781,121.59 usft	Longitude:	-103.557305
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,718.30 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	12/30/21	6.480	59.951	47,479.55217040

Design	Wellbore #1				
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	174.43	

Survey Program	Date	03/08/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
173.00	28,002.00	Survey #1 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
185 SHL: 160' FNL, 1740' FEL										
173.00	0.75	359.57	173.00	1.13	-0.01	-1.13	0.43	0.43	0.00	
1ST MWD SVY										
267.00	0.79	348.93	266.99	2.38	-0.14	-2.39	0.16	0.04	-11.32	
361.00	0.70	3.26	360.98	3.59	-0.23	-3.60	0.22	-0.10	15.24	
455.00	0.44	3.44	454.97	4.53	-0.18	-4.52	0.28	-0.28	0.19	
549.00	0.75	346.74	548.97	5.49	-0.29	-5.49	0.37	0.33	-17.77	
644.00	0.53	351.66	643.96	6.53	-0.50	-6.54	0.24	-0.23	5.18	
738.00	0.48	336.89	737.96	7.32	-0.72	-7.35	0.15	-0.05	-15.71	



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
832.00	0.75	326.61	831.95	8.19	-1.21	-8.27	0.31	0.29	-10.94	
926.00	0.75	328.72	925.95	9.23	-1.87	-9.37	0.03	0.00	2.24	
1,020.00	0.48	315.89	1,019.94	10.04	-2.46	-10.23	0.32	-0.29	-13.65	
1,114.00	0.75	330.30	1,113.93	10.86	-3.04	-11.10	0.33	0.29	15.33	
1,208.00	0.79	329.07	1,207.93	11.95	-3.68	-12.25	0.05	0.04	-1.31	
1,301.00	0.66	329.42	1,300.92	12.96	-4.28	-13.31	0.14	-0.14	0.38	
1,388.00	0.66	319.32	1,387.91	13.77	-4.86	-14.18	0.13	0.00	-11.61	
1,555.00	0.62	31.03	1,554.91	15.27	-5.02	-15.69	0.45	-0.02	42.94	
1,650.00	2.59	67.60	1,649.86	16.53	-2.77	-16.72	2.24	2.07	38.49	
1,745.00	3.82	69.62	1,744.71	18.45	2.18	-18.15	1.30	1.29	2.13	
1,840.00	5.14	70.76	1,839.42	20.96	9.16	-19.97	1.39	1.39	1.20	
1,935.00	6.51	80.34	1,933.93	23.26	18.49	-21.36	1.76	1.44	10.08	
2,030.00	7.82	84.03	2,028.19	24.84	30.23	-21.79	1.46	1.38	3.88	
2,125.00	9.27	81.83	2,122.13	26.60	44.23	-22.18	1.56	1.53	-2.32	
2,220.00	10.90	79.37	2,215.66	29.34	60.63	-23.32	1.77	1.72	-2.59	
2,315.00	11.69	80.69	2,308.82	32.56	78.96	-24.74	0.87	0.83	1.39	
2,411.00	12.35	82.45	2,402.72	35.48	98.73	-25.73	0.79	0.69	1.83	
2,505.00	12.48	82.36	2,494.52	38.15	118.76	-26.44	0.14	0.14	-0.10	
2,600.00	12.40	82.27	2,587.29	40.89	139.05	-27.20	0.09	-0.08	-0.09	
2,695.00	13.23	84.56	2,679.92	43.29	159.97	-27.56	1.02	0.87	2.41	
2,790.00	13.93	85.26	2,772.26	45.27	182.19	-27.37	0.76	0.74	0.74	
2,885.00	13.89	85.00	2,864.48	47.20	204.95	-27.09	0.08	-0.04	-0.27	
2,980.00	13.67	83.68	2,956.74	49.43	227.47	-27.12	0.40	-0.23	-1.39	
3,075.00	13.63	82.80	3,049.06	52.07	249.73	-27.59	0.22	-0.04	-0.93	
3,170.00	14.59	87.81	3,141.20	53.93	272.79	-27.20	1.63	1.01	5.27	
3,266.00	14.95	89.13	3,234.02	54.58	297.25	-25.47	0.51	0.37	1.37	
3,360.00	14.81	88.87	3,324.87	55.00	321.39	-23.55	0.17	-0.15	-0.28	
3,456.00	14.81	88.16	3,417.68	55.64	345.92	-21.80	0.19	0.00	-0.74	
3,551.00	12.84	92.12	3,509.93	55.64	368.61	-19.60	2.30	-2.07	4.17	
3,646.00	12.26	92.47	3,602.66	54.81	389.23	-16.78	0.62	-0.61	0.37	
3,741.00	12.13	91.68	3,695.51	54.09	409.29	-14.11	0.22	-0.14	-0.83	
3,836.00	12.48	90.36	3,788.33	53.73	429.53	-11.79	0.47	0.37	-1.39	
3,931.00	11.78	87.64	3,881.21	54.06	449.48	-10.18	0.95	-0.74	-2.86	
4,026.00	11.30	85.97	3,974.29	55.12	468.46	-9.39	0.62	-0.51	-1.76	
4,121.00	11.16	85.88	4,067.47	56.43	486.91	-8.91	0.15	-0.15	-0.09	
4,216.00	10.81	84.74	4,160.73	57.91	504.95	-8.63	0.43	-0.37	-1.20	
4,311.00	11.65	86.05	4,253.91	59.39	523.39	-8.31	0.92	0.88	1.38	
4,406.00	11.69	88.07	4,346.95	60.37	542.58	-7.42	0.43	0.04	2.13	
4,502.00	11.91	89.22	4,440.92	60.83	562.21	-5.98	0.34	0.23	1.20	
4,596.00	11.82	92.29	4,532.91	60.58	581.52	-3.85	0.68	-0.10	3.27	
4,692.00	11.43	91.33	4,626.94	59.97	600.86	-1.37	0.45	-0.41	-1.00	
4,787.00	12.22	88.34	4,719.93	60.04	620.32	0.45	1.05	0.83	-3.15	
4,883.00	13.54	88.87	4,813.51	60.56	641.71	2.01	1.38	1.37	0.55	



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,978.00	13.76	90.45	4,905.83	60.69	664.13	4.06	0.46	0.23	1.66	
5,074.00	13.89	92.03	4,999.05	60.19	687.06	6.78	0.42	0.14	1.65	
5,170.00	12.57	85.79	5,092.50	60.55	709.00	8.55	2.02	-1.37	-6.50	
5,265.00	11.65	82.98	5,185.39	62.48	728.83	8.56	1.15	-0.97	-2.96	
5,360.00	10.33	82.10	5,278.64	64.82	746.78	7.97	1.40	-1.39	-0.93	
5,455.00	10.90	78.93	5,372.02	67.72	764.04	6.76	0.86	0.60	-3.34	
5,550.00	12.62	76.47	5,465.02	71.87	782.94	4.46	1.89	1.81	-2.59	
5,645.00	12.48	76.12	5,557.75	76.76	803.00	1.54	0.17	-0.15	-0.37	
5,740.00	12.44	74.72	5,650.51	81.92	822.83	-1.67	0.32	-0.04	-1.47	
5,835.00	12.22	73.49	5,743.32	87.47	842.34	-5.30	0.36	-0.23	-1.29	
5,930.00	12.75	75.51	5,836.08	92.95	862.13	-8.84	0.72	0.56	2.13	
6,025.00	12.57	83.24	5,928.77	96.80	882.55	-10.68	1.79	-0.19	8.14	
6,120.00	12.66	85.17	6,021.48	98.89	903.19	-10.76	0.45	0.09	2.03	
6,215.00	11.43	83.33	6,114.39	100.86	922.91	-10.80	1.36	-1.29	-1.94	
6,309.00	11.74	86.58	6,206.47	102.51	941.71	-10.62	0.77	0.33	3.46	
6,405.00	11.08	87.02	6,300.57	103.57	960.67	-9.84	0.69	-0.69	0.46	
6,500.00	12.18	86.05	6,393.62	104.74	979.79	-9.14	1.18	1.16	-1.02	
6,595.00	12.48	84.30	6,486.43	106.45	1,000.00	-8.88	0.50	0.32	-1.84	
6,690.00	12.00	83.59	6,579.27	108.57	1,020.03	-9.05	0.53	-0.51	-0.75	
6,785.00	12.66	86.32	6,672.08	110.34	1,040.23	-8.85	0.93	0.69	2.87	
6,881.00	13.14	87.37	6,765.66	111.52	1,061.63	-7.95	0.56	0.50	1.09	
6,976.00	12.92	85.70	6,858.21	112.81	1,083.01	-7.16	0.46	-0.23	-1.76	
7,071.00	12.48	82.63	6,950.89	114.92	1,103.78	-7.24	0.85	-0.46	-3.23	
7,167.00	12.35	85.26	7,044.64	117.10	1,124.29	-7.42	0.60	-0.14	2.74	
7,262.00	12.48	85.79	7,137.42	118.69	1,144.66	-7.03	0.18	0.14	0.56	
7,357.00	11.82	84.91	7,230.29	120.31	1,164.59	-6.71	0.72	-0.69	-0.93	
7,451.00	11.38	84.56	7,322.37	122.04	1,183.41	-6.60	0.47	-0.47	-0.37	
7,546.00	12.04	87.20	7,415.40	123.42	1,202.63	-6.10	0.89	0.69	2.78	
7,642.00	12.00	88.25	7,509.29	124.21	1,222.61	-4.95	0.23	-0.04	1.09	
7,736.00	11.38	88.34	7,601.34	124.78	1,241.65	-3.67	0.66	-0.66	0.10	
7,830.00	10.90	88.51	7,693.57	125.28	1,259.80	-2.41	0.51	-0.51	0.18	
7,926.00	9.85	89.04	7,788.00	125.65	1,277.09	-1.10	1.10	-1.09	0.55	
8,021.00	10.86	87.20	7,881.45	126.22	1,294.15	-0.02	1.12	1.06	-1.94	
8,116.00	10.95	86.32	7,974.74	127.24	1,312.09	0.71	0.20	0.09	-0.93	
8,211.00	9.98	86.58	8,068.16	128.31	1,329.31	1.32	1.02	-1.02	0.27	
8,306.00	9.41	87.02	8,161.80	129.21	1,345.29	1.98	0.61	-0.60	0.46	
8,401.00	8.04	85.70	8,255.70	130.11	1,359.67	2.48	1.46	-1.44	-1.39	
8,496.00	7.47	85.79	8,349.83	131.06	1,372.45	2.77	0.60	-0.60	0.09	
8,592.00	6.68	85.09	8,445.10	131.99	1,384.24	2.99	0.83	-0.82	-0.73	
8,687.00	6.29	85.70	8,539.49	132.86	1,394.93	3.16	0.42	-0.41	0.64	
8,782.00	5.85	87.46	8,633.96	133.46	1,404.96	3.54	0.50	-0.46	1.85	
8,878.00	5.36	87.72	8,729.50	133.86	1,414.33	4.05	0.51	-0.51	0.27	
8,973.00	3.38	90.62	8,824.22	134.00	1,421.56	4.61	2.10	-2.08	3.05	
9,067.00	1.45	73.40	8,918.13	134.31	1,425.47	4.68	2.17	-2.05	-18.32	



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,162.00	1.23	71.11	9,013.10	134.99	1,427.59	4.21	0.24	-0.23	-2.41
9,257.00	0.88	67.07	9,108.09	135.60	1,429.23	3.76	0.38	-0.37	-4.25
9,352.00	0.88	67.95	9,203.07	136.16	1,430.57	3.34	0.01	0.00	0.93
9,447.00	0.57	71.82	9,298.07	136.58	1,431.70	3.03	0.33	-0.33	4.07
9,542.00	0.40	38.94	9,393.06	136.99	1,432.36	2.69	0.34	-0.18	-34.61
9,637.00	0.44	19.52	9,488.06	137.59	1,432.69	2.12	0.15	0.04	-20.44
9,733.00	0.48	6.07	9,584.06	138.34	1,432.85	1.39	0.12	0.04	-14.01
9,828.00	0.35	330.83	9,679.06	138.98	1,432.75	0.74	0.29	-0.14	-37.09
9,922.00	0.35	290.93	9,773.05	139.34	1,432.35	0.35	0.25	0.00	-42.45
10,017.00	0.62	262.10	9,868.05	139.37	1,431.57	0.24	0.37	0.28	-30.35
10,112.00	0.88	235.99	9,963.04	138.89	1,430.45	0.61	0.45	0.27	-27.48
10,207.00	0.84	231.51	10,058.03	138.05	1,429.30	1.33	0.08	-0.04	-4.72
10,302.00	0.70	222.11	10,153.02	137.19	1,428.37	2.10	0.20	-0.15	-9.89
10,397.00	0.48	203.12	10,248.02	136.39	1,427.82	2.84	0.31	-0.23	-19.99
10,492.00	0.57	184.58	10,343.01	135.55	1,427.63	3.66	0.20	0.09	-19.52
10,587.00	0.44	179.22	10,438.01	134.72	1,427.60	4.48	0.15	-0.14	-5.64
10,682.00	0.40	179.31	10,533.01	134.02	1,427.60	5.18	0.04	-0.04	0.09
10,777.00	0.26	237.23	10,628.01	133.57	1,427.43	5.61	0.36	-0.15	60.97
10,872.00	0.53	247.24	10,723.00	133.29	1,426.84	5.83	0.29	0.28	10.54
10,967.00	0.97	257.53	10,818.00	132.94	1,425.65	6.06	0.48	0.46	10.83
11,062.00	0.84	262.10	10,912.98	132.67	1,424.18	6.19	0.16	-0.14	4.81
11,158.00	0.97	252.87	11,008.97	132.34	1,422.70	6.38	0.20	0.14	-9.61
11,253.00	1.19	264.03	11,103.96	132.00	1,420.95	6.55	0.32	0.23	11.75
11,348.00	1.45	270.62	11,198.93	131.91	1,418.77	6.42	0.32	0.27	6.94
11,443.00	1.49	273.00	11,293.90	131.99	1,416.33	6.11	0.08	0.04	2.51
11,538.00	1.45	272.65	11,388.87	132.11	1,413.90	5.75	0.04	-0.04	-0.37
11,632.00	0.92	255.86	11,482.85	131.98	1,411.98	5.70	0.67	-0.56	-17.86
11,727.00	0.84	250.23	11,577.84	131.55	1,410.59	5.98	0.12	-0.08	-5.93
11,794.00	1.10	245.40	11,644.83	131.12	1,409.54	6.31	0.41	0.39	-7.21
11,880.00	0.92	248.65	11,730.81	130.53	1,408.14	6.77	0.22	-0.21	3.78
11,941.00	0.70	186.78	11,791.81	129.98	1,407.64	7.26	1.40	-0.36	-101.43
12,038.00	14.59	171.83	11,887.71	117.23	1,409.32	20.11	14.35	14.32	-15.41
12,133.00	29.41	169.02	11,975.55	82.30	1,415.50	55.48	15.64	15.60	-2.96
12,228.00	38.77	170.52	12,054.14	29.94	1,424.86	108.50	9.89	9.85	1.58
12,323.00	46.59	175.44	12,123.95	-33.91	1,432.52	172.79	8.94	8.23	5.18
12,418.00	50.73	176.67	12,186.68	-105.05	1,437.40	244.07	4.46	4.36	1.29
185 FTP: 100' FNL, 330' FEL									
12,513.00	55.12	175.97	12,243.94	-180.67	1,442.27	319.81	4.66	4.62	-0.74
12,608.00	58.99	173.15	12,295.60	-260.00	1,449.87	399.50	4.77	4.07	-2.97
12,702.00	62.64	171.92	12,341.43	-341.36	1,460.55	481.51	4.05	3.88	-1.31
12,797.00	70.42	172.01	12,379.24	-427.58	1,472.72	568.50	8.19	8.19	0.09
12,893.00	79.08	172.36	12,404.47	-519.25	1,485.29	660.96	9.03	9.02	0.36
12,988.00	82.86	178.07	12,419.39	-612.69	1,493.09	754.72	7.15	3.98	6.01



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,082.00	88.44	179.13	12,426.51	-706.35	1,495.38	848.16	6.04	5.94	1.13
13,178.00	90.86	180.71	12,427.10	-802.34	1,495.51	943.71	3.01	2.52	1.65
13,273.00	91.60	180.62	12,425.06	-897.31	1,494.41	1,038.12	0.78	0.78	-0.09
13,369.00	92.04	180.36	12,422.01	-993.26	1,493.59	1,133.54	0.53	0.46	-0.27
13,463.00	92.18	180.71	12,418.55	-1,087.19	1,492.71	1,226.94	0.40	0.15	0.37
13,558.00	93.14	180.54	12,414.14	-1,182.08	1,491.68	1,321.28	1.03	1.01	-0.18
13,653.00	91.21	182.56	12,410.54	-1,276.97	1,489.11	1,415.47	2.94	-2.03	2.13
13,749.00	92.00	182.29	12,407.85	-1,372.84	1,485.05	1,510.50	0.87	0.82	-0.28
13,843.00	88.92	182.73	12,407.09	-1,466.74	1,480.93	1,603.55	3.31	-3.28	0.47
13,938.00	89.01	182.65	12,408.81	-1,561.62	1,476.47	1,697.55	0.13	0.09	-0.08
14,034.00	88.35	182.03	12,411.02	-1,657.51	1,472.55	1,792.61	0.94	-0.69	-0.65
14,129.00	88.57	181.94	12,413.57	-1,752.42	1,469.26	1,886.76	0.25	0.23	-0.09
14,224.00	88.13	181.50	12,416.31	-1,847.34	1,466.41	1,980.95	0.65	-0.46	-0.46
14,319.00	88.00	180.54	12,419.52	-1,942.27	1,464.72	2,075.27	1.02	-0.14	-1.01
14,414.00	87.21	178.95	12,423.49	-2,037.18	1,465.15	2,169.77	1.87	-0.83	-1.67
14,509.00	88.88	178.51	12,426.73	-2,132.10	1,467.25	2,264.44	1.82	1.76	-0.46
14,605.00	89.27	178.07	12,428.28	-2,228.04	1,470.11	2,360.21	0.61	0.41	-0.46
14,700.00	89.76	177.90	12,429.08	-2,322.98	1,473.45	2,455.03	0.55	0.52	-0.18
14,795.00	89.93	177.72	12,429.34	-2,417.91	1,477.09	2,549.86	0.26	0.18	-0.19
14,890.00	89.58	176.84	12,429.75	-2,512.80	1,481.59	2,644.74	1.00	-0.37	-0.93
14,985.00	89.93	177.37	12,430.15	-2,607.68	1,486.39	2,739.64	0.67	0.37	0.56
15,081.00	89.19	178.69	12,430.89	-2,703.62	1,489.69	2,835.44	1.58	-0.77	1.37
15,175.00	88.40	178.78	12,432.87	-2,797.57	1,491.77	2,929.16	0.85	-0.84	0.10
15,270.00	87.38	178.43	12,436.36	-2,892.48	1,494.08	3,023.84	1.14	-1.07	-0.37
15,365.00	88.79	178.60	12,439.54	-2,987.39	1,496.54	3,118.54	1.49	1.48	0.18
15,460.00	89.63	179.13	12,440.85	-3,082.36	1,498.42	3,213.25	1.05	0.88	0.56
15,555.00	89.49	178.95	12,441.58	-3,177.34	1,500.01	3,307.94	0.24	-0.15	-0.19
15,650.00	89.85	178.16	12,442.13	-3,272.31	1,502.41	3,402.69	0.91	0.38	-0.83
15,745.00	89.80	180.18	12,442.42	-3,367.30	1,503.78	3,497.36	2.13	-0.05	2.13
15,841.00	90.46	180.80	12,442.20	-3,463.29	1,502.96	3,592.82	0.94	0.69	0.65
15,935.00	90.07	180.27	12,441.76	-3,557.29	1,502.08	3,686.29	0.70	-0.41	-0.56
16,031.00	90.59	180.80	12,441.21	-3,653.28	1,501.19	3,781.74	0.77	0.54	0.55
16,126.00	88.66	180.36	12,441.83	-3,748.27	1,500.23	3,876.19	2.08	-2.03	-0.46
16,220.00	87.96	180.36	12,444.60	-3,842.23	1,499.64	3,969.64	0.74	-0.74	0.00
16,314.00	88.26	180.01	12,447.70	-3,936.17	1,499.33	4,063.12	0.49	0.32	-0.37
16,408.00	89.23	179.83	12,449.76	-4,030.15	1,499.46	4,156.66	1.05	1.03	-0.19
16,502.00	88.79	179.04	12,451.39	-4,124.13	1,500.39	4,250.29	0.96	-0.47	-0.84
16,596.00	88.62	178.34	12,453.51	-4,218.08	1,502.54	4,344.00	0.77	-0.18	-0.74
16,691.00	88.70	179.66	12,455.73	-4,313.04	1,504.20	4,438.67	1.39	0.08	1.39
16,785.00	88.53	180.10	12,458.01	-4,407.01	1,504.39	4,532.22	0.50	-0.18	0.47
16,878.00	88.00	182.56	12,460.82	-4,499.94	1,502.24	4,624.50	2.70	-0.57	2.65
16,972.00	86.86	183.88	12,465.04	-4,593.69	1,496.96	4,717.30	1.85	-1.21	1.40
17,067.00	89.05	184.32	12,468.43	-4,688.38	1,490.17	4,810.88	2.35	2.31	0.46



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
17,161.00	89.19	184.84	12,469.87	-4,782.07	1,482.67	4,903.40	0.57	0.15	0.55
17,254.00	89.36	183.52	12,471.05	-4,874.81	1,475.89	4,995.05	1.43	0.18	-1.42
17,263.03	89.34	183.27	12,471.15	-4,883.82	1,475.36	5,003.96	2.80	-0.18	-2.80
185 TGT: 5000' VS									
17,348.00	89.19	180.89	12,472.24	-4,968.73	1,472.27	5,088.17	2.80	-0.18	-2.80
17,443.00	88.57	180.18	12,474.09	-5,063.70	1,471.39	5,182.61	0.99	-0.65	-0.75
17,537.00	89.41	180.18	12,475.75	-5,157.69	1,471.09	5,276.12	0.89	0.89	0.00
17,632.00	90.24	180.10	12,476.04	-5,252.68	1,470.86	5,370.65	0.88	0.87	-0.08
185H 2ND SVY PAST SEC 27 LINE: 17632.00' MD/ 12476.04' TVD - 185H 2ND SVY PAST SEC 27 LINE: 136' FNL, 309' FEI									
17,727.00	90.07	179.92	12,475.78	-5,347.68	1,470.84	5,465.20	0.26	-0.18	-0.19
17,822.00	90.42	180.36	12,475.38	-5,442.68	1,470.61	5,559.72	0.59	0.37	0.46
17,916.00	90.11	179.74	12,474.94	-5,536.68	1,470.53	5,653.27	0.74	-0.33	-0.66
18,011.00	90.77	179.92	12,474.21	-5,631.68	1,470.81	5,747.85	0.72	0.69	0.19
18,106.00	90.90	179.48	12,472.83	-5,726.67	1,471.31	5,842.43	0.48	0.14	-0.46
18,201.00	91.47	178.95	12,470.86	-5,821.64	1,472.61	5,937.08	0.82	0.60	-0.56
18,296.00	93.01	179.31	12,467.15	-5,916.55	1,474.05	6,031.69	1.66	1.62	0.38
18,391.00	91.91	178.25	12,463.07	-6,011.44	1,476.07	6,126.32	1.61	-1.16	-1.12
18,487.00	91.52	177.64	12,460.20	-6,107.33	1,479.51	6,222.10	0.75	-0.41	-0.64
18,582.00	91.82	179.39	12,457.43	-6,202.26	1,481.97	6,316.81	1.87	0.32	1.84
18,677.00	92.88	178.25	12,453.54	-6,297.15	1,483.93	6,411.45	1.64	1.12	-1.20
18,771.00	89.32	179.66	12,451.73	-6,391.10	1,485.64	6,505.12	4.07	-3.79	1.50
18,866.00	88.44	179.39	12,453.59	-6,486.08	1,486.43	6,599.73	0.97	-0.93	-0.28
18,962.00	89.41	178.16	12,455.39	-6,582.04	1,488.48	6,695.43	1.63	1.01	-1.28
19,057.00	89.49	176.76	12,456.30	-6,676.94	1,492.69	6,790.30	1.48	0.08	-1.47
19,152.00	89.10	179.74	12,457.47	-6,771.88	1,495.59	6,885.07	3.16	-0.41	3.14
19,247.00	89.27	180.10	12,458.82	-6,866.87	1,495.72	6,979.62	0.42	0.18	0.38
19,341.00	88.40	179.39	12,460.73	-6,960.84	1,496.14	7,073.20	1.19	-0.93	-0.76
19,437.00	89.85	180.71	12,462.20	-7,056.83	1,496.06	7,168.72	2.04	1.51	1.37
19,532.00	90.11	180.45	12,462.23	-7,151.82	1,495.10	7,263.17	0.39	0.27	-0.27
19,627.00	90.24	180.27	12,461.94	-7,246.82	1,494.50	7,357.66	0.23	0.14	-0.19
19,722.00	90.55	180.36	12,461.29	-7,341.82	1,493.98	7,452.16	0.34	0.33	0.09
19,817.00	91.12	180.01	12,459.90	-7,436.81	1,493.67	7,546.67	0.70	0.60	-0.37
19,912.00	91.56	179.83	12,457.68	-7,531.78	1,493.80	7,641.21	0.50	0.46	-0.19
20,006.00	91.21	179.39	12,455.41	-7,625.75	1,494.44	7,734.80	0.60	-0.37	-0.47
20,102.00	89.85	180.01	12,454.52	-7,721.74	1,494.95	7,830.38	1.56	-1.42	0.65
20,197.00	89.45	179.39	12,455.10	-7,816.74	1,495.44	7,924.98	0.78	-0.42	-0.65
20,291.00	88.04	179.13	12,457.16	-7,910.70	1,496.66	8,018.62	1.53	-1.50	-0.28
20,386.00	90.07	179.74	12,458.73	-8,005.68	1,497.59	8,113.24	2.23	2.14	0.64
20,482.00	89.49	180.01	12,459.10	-8,101.68	1,497.80	8,208.81	0.67	-0.60	0.28
20,577.00	88.57	179.57	12,460.70	-8,196.66	1,498.15	8,303.38	1.07	-0.97	-0.46
20,672.00	89.98	180.18	12,461.91	-8,291.65	1,498.36	8,397.94	1.62	1.48	0.64
20,767.00	89.05	179.57	12,462.71	-8,386.65	1,498.57	8,492.50	1.17	-0.98	-0.64
20,862.00	90.42	180.54	12,463.15	-8,481.64	1,498.47	8,587.04	1.77	1.44	1.02
20,958.00	89.23	180.71	12,463.44	-8,577.64	1,497.43	8,682.48	1.25	-1.24	0.18



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
21,053.00	91.74	181.15	12,462.64	-8,672.61	1,495.89	8,776.86	2.68	2.64	0.46	
21,148.00	92.18	181.59	12,459.39	-8,767.53	1,493.62	8,871.11	0.65	0.46	0.46	
21,244.00	92.09	182.38	12,455.81	-8,863.40	1,490.29	8,966.21	0.83	-0.09	0.82	
21,340.00	90.02	180.54	12,454.05	-8,959.35	1,487.85	9,061.46	2.88	-2.16	-1.92	
21,435.00	89.49	181.15	12,454.45	-9,054.34	1,486.45	9,155.86	0.85	-0.56	0.64	
21,531.00	90.02	178.69	12,454.86	-9,150.33	1,486.58	9,251.41	2.62	0.55	-2.56	
21,626.00	90.51	179.13	12,454.42	-9,245.31	1,488.39	9,346.12	0.69	0.52	0.46	
21,722.00	90.20	179.39	12,453.83	-9,341.30	1,489.63	9,441.78	0.42	-0.32	0.27	
21,817.00	89.45	179.57	12,454.12	-9,436.29	1,490.49	9,536.41	0.81	-0.79	0.19	
21,912.00	88.66	180.01	12,455.68	-9,531.28	1,490.84	9,630.98	0.95	-0.83	0.46	
22,007.00	89.27	180.45	12,457.40	-9,626.26	1,490.46	9,725.48	0.79	0.64	0.46	
22,102.00	88.75	177.28	12,459.04	-9,721.22	1,492.34	9,820.17	3.38	-0.55	-3.34	
22,197.00	87.43	176.41	12,462.21	-9,816.02	1,497.56	9,915.03	1.66	-1.39	-0.92	
22,292.00	89.41	177.11	12,464.83	-9,910.82	1,502.93	10,009.91	2.21	2.08	0.74	
22,387.00	88.70	176.84	12,466.39	-10,005.68	1,507.94	10,104.80	0.80	-0.75	-0.28	
22,482.00	90.24	176.76	12,467.27	-10,100.52	1,513.24	10,199.71	1.62	1.62	-0.08	
22,577.00	89.49	177.55	12,467.50	-10,195.40	1,517.96	10,294.60	1.15	-0.79	0.83	
22,672.00	91.43	178.51	12,466.73	-10,290.34	1,521.23	10,389.40	2.28	2.04	1.01	
22,767.00	90.99	178.43	12,464.73	-10,385.28	1,523.76	10,484.15	0.47	-0.46	-0.08	
22,862.00	90.64	179.39	12,463.38	-10,480.26	1,525.57	10,578.85	1.08	-0.37	1.01	
22,957.00	89.85	179.48	12,462.97	-10,575.25	1,526.51	10,673.48	0.84	-0.83	0.09	
185H 2ND SVY PAST SEC 34 LINE: 22957.00' MD/ 12462.97' TVD - 185H 2ND SVY PAST SEC 34 LINE: 180' FNL, 293' FEI										
23,053.00	88.44	180.71	12,464.40	-10,671.23	1,526.35	10,769.00	1.95	-1.47	1.28	
23,147.00	90.07	179.57	12,465.63	-10,765.22	1,526.12	10,862.52	2.12	1.73	-1.21	
23,241.00	90.46	179.39	12,465.19	-10,859.22	1,526.97	10,956.15	0.46	0.41	-0.19	
23,336.00	89.67	179.39	12,465.08	-10,954.21	1,527.98	11,050.80	0.83	-0.83	0.00	
23,431.00	89.76	178.87	12,465.56	-11,049.20	1,529.42	11,145.48	0.56	0.09	-0.55	
23,526.00	91.25	179.48	12,464.72	-11,144.18	1,530.79	11,240.14	1.69	1.57	0.64	
23,621.00	91.78	180.10	12,462.21	-11,239.15	1,531.14	11,334.69	0.86	0.56	0.65	
23,715.00	91.47	179.74	12,459.54	-11,333.11	1,531.27	11,428.23	0.51	-0.33	-0.38	
23,810.00	91.56	180.01	12,457.03	-11,428.07	1,531.48	11,522.76	0.30	0.09	0.28	
23,906.00	90.42	178.78	12,455.37	-11,524.05	1,532.49	11,618.39	1.75	-1.19	-1.28	
24,001.00	89.49	178.43	12,455.45	-11,619.02	1,534.80	11,713.13	1.05	-0.98	-0.37	
24,095.00	90.77	179.39	12,455.23	-11,713.00	1,536.59	11,806.84	1.70	1.36	1.02	
24,197.00	90.42	178.78	12,454.17	-11,814.98	1,538.22	11,908.50	0.69	-0.34	-0.60	
24,293.00	91.52	179.04	12,452.55	-11,910.95	1,540.05	12,004.19	1.18	1.15	0.27	
24,388.00	92.44	178.60	12,449.27	-12,005.87	1,542.00	12,098.85	1.07	0.97	-0.46	
24,483.00	91.69	179.39	12,445.84	-12,100.79	1,543.67	12,193.49	1.15	-0.79	0.83	
24,577.00	90.73	179.39	12,443.86	-12,194.77	1,544.67	12,287.12	1.02	-1.02	0.00	
24,672.00	90.24	179.83	12,443.05	-12,289.76	1,545.31	12,381.72	0.69	-0.52	0.46	
24,768.00	91.30	180.18	12,441.76	-12,385.75	1,545.31	12,477.26	1.16	1.10	0.36	
24,863.00	90.24	179.31	12,440.49	-12,480.74	1,545.73	12,571.84	1.44	-1.12	-0.92	
24,959.00	90.42	179.22	12,439.93	-12,576.73	1,546.96	12,667.50	0.21	0.19	-0.09	
25,054.00	91.25	179.74	12,438.55	-12,671.71	1,547.82	12,762.12	1.03	0.87	0.55	



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
25,149.00	89.98	179.66	12,437.53	-12,766.71	1,548.32	12,856.71	1.34	-1.34	-0.08
25,245.00	90.37	180.27	12,437.24	-12,862.70	1,548.38	12,952.26	0.75	0.41	0.64
25,340.00	90.64	180.18	12,436.40	-12,957.70	1,548.01	13,046.77	0.30	0.28	-0.09
25,435.00	91.08	180.36	12,434.97	-13,052.69	1,547.56	13,141.27	0.50	0.46	0.19
25,530.00	90.02	180.36	12,434.06	-13,147.68	1,546.96	13,235.75	1.12	-1.12	0.00
25,626.00	90.11	179.92	12,433.95	-13,243.68	1,546.73	13,331.28	0.47	0.09	-0.46
25,721.00	89.54	179.83	12,434.24	-13,338.68	1,546.93	13,425.85	0.61	-0.60	-0.09
25,816.00	89.14	180.45	12,435.34	-13,433.67	1,546.70	13,520.37	0.78	-0.42	0.65
25,911.00	91.60	179.22	12,434.72	-13,528.66	1,546.97	13,614.93	2.90	2.59	-1.29
26,006.00	90.24	178.69	12,433.20	-13,623.63	1,548.71	13,709.62	1.54	-1.43	-0.56
26,101.00	90.73	178.87	12,432.39	-13,718.60	1,550.73	13,804.35	0.55	0.52	0.19
26,195.00	90.73	179.04	12,431.20	-13,812.58	1,552.44	13,898.05	0.18	0.00	0.18
26,290.00	91.25	179.31	12,429.55	-13,907.56	1,553.81	13,992.71	0.62	0.55	0.28
26,385.00	89.10	178.25	12,429.26	-14,002.53	1,555.83	14,087.42	2.52	-2.26	-1.12
26,480.00	89.45	178.95	12,430.47	-14,097.49	1,558.16	14,182.16	0.82	0.37	0.74
26,575.00	88.18	178.34	12,432.43	-14,192.44	1,560.40	14,276.88	1.48	-1.34	-0.64
26,670.00	88.79	178.34	12,434.94	-14,287.37	1,563.15	14,371.63	0.64	0.64	0.00
26,765.00	89.36	177.90	12,436.48	-14,382.30	1,566.27	14,466.42	0.76	0.60	-0.46
26,860.00	89.93	178.07	12,437.07	-14,477.24	1,569.61	14,561.24	0.63	0.60	0.18
26,954.00	90.77	178.16	12,436.49	-14,571.19	1,572.70	14,655.04	0.90	0.89	0.10
27,050.00	91.87	178.07	12,434.28	-14,667.11	1,575.86	14,750.81	1.15	1.15	-0.09
27,145.00	91.96	178.34	12,431.11	-14,762.01	1,578.83	14,845.55	0.30	0.09	0.28
27,239.00	90.46	179.22	12,429.12	-14,855.96	1,580.83	14,939.26	1.85	-1.60	0.94
27,335.00	90.73	179.22	12,428.12	-14,951.95	1,582.14	15,034.92	0.28	0.28	0.00
27,429.00	91.91	178.87	12,425.96	-15,045.91	1,583.70	15,128.59	1.31	1.26	-0.37
27,523.00	91.25	178.60	12,423.37	-15,139.85	1,585.78	15,222.29	0.76	-0.70	-0.29
27,618.00	89.36	178.69	12,422.86	-15,234.82	1,588.03	15,317.02	1.99	-1.99	0.09
27,713.00	89.41	179.22	12,423.88	-15,329.80	1,589.76	15,411.72	0.56	0.05	0.56
27,808.00	90.07	179.22	12,424.31	-15,424.79	1,591.05	15,506.39	0.69	0.69	0.00
27,903.00	89.98	179.31	12,424.27	-15,519.78	1,592.27	15,601.05	0.13	-0.09	0.09
27,939.00	90.07	179.57	12,424.25	-15,555.78	1,592.62	15,636.91	0.76	0.25	0.72
27,966.64	90.07	179.57	12,424.22	-15,583.42	1,592.83	15,664.44	0.00	0.00	0.00
185 LTP: 100' FSL, 330' FEL									
28,002.00	90.07	179.57	12,424.18	-15,618.77	1,593.09	15,699.65	0.00	0.00	0.00
185H FINAL TD/BIT PROJ: 65' FSL, 263' FEL									
28,002.00	90.07	179.57	12,424.18	-15,618.78	1,593.09	15,699.66	0.00	0.00	0.00
TD: Y= 457037.69 / X= 782714.68 - Projection to Bit: 28002.00' MD/ 12424.18' TVD - TD: Latitude= 32.254059 / Longitude=									



Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well 185H
Project:	Lea Co., NM (Nad83 - East Zone)	TVD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Site:	Thistle Unit.	MD Reference:	RKB = 30' @ 3748.30usft (CACTUS 108)
Well:	185H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
185H FINAL TD/BIT F - actual wellpath hits target center - Point	0.00	0.01	12,424.1 8	-15,618.77	1,593.09	457,037.70	782,714.68	32.254059	-103.552517
185H 2ND SVY PAST - actual wellpath hits target center - Point	0.00	0.00	12,462.9 7	-10,575.25	1,526.51	462,081.22	782,648.09	32.267923	-103.552614
185H 2ND SVY PAST - actual wellpath hits target center - Point	0.00	0.00	12,476.0 4	-5,252.68	1,470.86	467,403.79	782,592.45	32.282554	-103.552669

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
173.00	173.00	1.13	-0.01	1ST MWD SVY
17,632.00	12,476.04	-5,252.68	1,470.86	185H 2ND SVY PAST SEC 27 LINE: 17632.00' MD/ 12476.04' TVD
22,957.00	12,462.97	-10,575.25	1,526.51	185H 2ND SVY PAST SEC 34 LINE: 22957.00' MD/ 12462.97' TVD
28,002.00	12,424.18	-15,618.78	1,593.09	TD: Y= 457037.69 / X= 782714.68
28,002.00	12,424.18	-15,618.78	1,593.09	Projection to Bit: 28002.00' MD/ 12424.18' TVD
28,002.00	12,424.18	-15,618.78	1,593.09	TD: Latitude= 32.254059 / Longitude= -103.552517
28,002.00	12,424.18	-15,618.78	1,593.09	Final Station Closure Distance= 15699.81 /Direction= 174.18

Checked By: _____ Approved By: _____ Date: _____

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

State of New Mexico
 Energy, Minerals and Natural Resources

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

Form C-103
 Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ 2. Name of Operator Devon Energy Production Company, L.P. 3. Address of Operator 333 West Sheridan, Oklahoma City, OK 73102 4. Well Location Unit Letter <u>B</u> : <u>160</u> feet from the <u>North</u> line and <u>1740</u> feet from the <u>East</u> line Section <u>22</u> Township <u>23S</u> Range <u>33E</u> NMPM County <u>Lea</u> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3,718.3'		WELL API NO. 30-025-49427 5. Indicate Type of Lease STATE ☒ FEE ☐ 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name Thistle Unit 8. Well Number 185H 9. OGRID Number 6137 10. Pool name or Wildcat WC-025 G-09 S243310P; UPPER WOLFCAMP
---	--	--

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

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

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

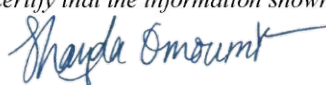
5/12/22-7/5/22: MIRU WL & PT. TIH & ran CBL, found TOC @ 1,530'. PT csg for 30min, OK. TIH w/pump through frac plug and guns. Perf Wolfcamp, 12893'-27949', total 2251 holes. Frac totals 37,900,634# proppant, 24 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD w/ float collar 27,960' MD/12,424' TVD. CHC, FWB, ND BOP. Tubing will be run at a later date. TOP.

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

SIGNATURE Shayda Omoumi TITLE Regulatory Compliance Associate DATE 7/18/2022

Type or print name Shayda Omoumi E-mail address: shayda.omoumi@dvn.com PHONE: 405-552-3513
For State Use Only

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

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised August 1, 2011				
		1. WELL API NO. 30-025-49427								
		2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN								
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)						5. Lease Name or Unit Agreement Name Thistle Unit				
						6. Well Number: 185H				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Devon Energy Production Company, L.P.						9. OGRID 6137				
10. Address of Operator 333 West Sheridan Avenue, Oklahoma City, OK 73102						11. Pool name or Wildcat WC-025 G-09 S243310P; UPPER WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	22	23S	33E		160	North	1740	East	Lea
BH:	P	34	23S	33E		68	South	264	East	Lea
13. Date Spudded 1/16/22	14. Date T.D. Reached 3/6/22		15. Date Rig Released 3/10/22		16. Date Completed (Ready to Produce) 7/5/22		17. Elevations (DF and RKB, RT, GR, etc.) 3,718.3' GL			
18. Total Measured Depth of Well 28002 MD, 12424 TVD			19. Plug Back Measured Depth 27,960 MD/12,424 TVD		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name 12893-27949, UPPER WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10-3/4"		45.5		1465		13-1/2"		967 sx CIC; circ 0 sx		
8-5/8"		32		11844		9-7/8"		728 sx CIC ; circ 206 sx		
5-1/2"		20		27960		7-7/8"		2007 sx CIC; circ 0 sx		TOC @ 9103
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN						
26. Perforation record (interval, size, and number) 12893 - 27949, total 2251 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 12893-27949 Acidize and frac in 76 stages. See detailed summary attached.				
28. PRODUCTION										
Date First Production 7/5/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/13/22	Hours Tested 24	Choke Size 74	Prod'n For Test Period	Oil - Bbl 2779	Gas - MCF 5585	Water - Bbl. 7638	Gas - Oil Ratio 2009.715725			
Flow Tubing Press. 8 psi	Casing Pressure 1771 psi	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments Directional Survey, Logs										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD 1927 1983				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 			Printed Name Shayda Omoumi		Title Regulatory Compliance Associate		Date 7/18/2022			
E-mail Address shayda.omoumi@dvn.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
Rustler - 1365			
Salt - 1869			
Base of Salt - 5180			
Lamar - 5180			
Delaware - 5257			
Cherry Canyon - 6195			
Brushy Canyon - 7591			
1st Bone Spring Lime - 9069			
1st Bone Spring Sand - 10242			
2nd Bone Spring Sand - 10830			
3rd Bone Spring Lime - 11406			
3rd Bone Spring Sand - 11981			
Wolfcamp - 12298			

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

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

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 126396

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 126396
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 126396

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 126396
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	9/19/2025