

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		² OGRID Number 6137
		³ Reason for Filing Code/ Effective Date NW / 5/1/21
⁴ API Number 30-025-47564	⁵ Pool Name WC-025 G-09 S263504N; WOLFCAMP	⁶ Pool Code 98117
⁷ Property Code 328242	⁸ Property Name Billiken 6-18 Fed Com	⁹ Well Number 6H

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
1	6	26S	35E		311	North	578	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	18	26S	35E		2588	North	468	West	Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/1/21	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
92591	Western Refining Company, L.P. 6500 Trowbridge Drive El Paso, TX 79905	Oil
371960	Lucid Energy Delaware, LLC 3100 McKinnon St., Ste. 800, Dallas, TX 75201	Gas

IV. Well Completion Data

²¹ Spud Date 11/12/20	²² Ready Date 5/1/21	²³ TD 25512	²⁴ PBDT 25456	²⁵ Perforations 12950 - 25397	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	1227	1265 sx CIC; Circ 556 sx		
9.875	8.625	11987	970 sx CIPOZ MIX; Circ 0 sx		
7.875	5.5	25497	4395 sx cmt; Circ 1106 sx		
	Tubing:	0			

V. Well Test Data

³¹ Date New Oil 5/5/21	³² Gas Delivery Date 5/5/21	³³ Test Date 5/5/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure psi	³⁶ Csg. Pressure psi
³⁷ Choke Size	³⁸ Oil 1522 bbl	³⁹ Water 3070 bbl	⁴⁰ Gas 1842 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: KURT SIMMONS		
Title: Regulatory Analyst			Title: NMOC, SANTA FE		
E-mail Address: Rebecca.Deal@dm.com			Approval Date: 08/18/2021		
Date: 6/8/2021		Phone: 405-228-8429			

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-47564	Pool Code 98117	Pool Name WC-025 G-09 S263504N;WOLFCAMP
Property Code 328242	Property Name BILLIKEN 6-18 FED COM	Well Number 6H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	Elevation 3278.8'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	6	26-S	35-E		311	NORTH	608	WEST	LEA

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
LOT 2	18	26-S	35-E		2638	NORTH	854	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
805.68			

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

BILLIKEN 6-18 FED COM 6H
EL: 3278.8'
LAT: 32.078789
LON: 103.413168
N: 393616.04
E: 826339.07

KICK OFF POINT
58' FNL 1135' FWL SEC. 6
LAT: 32.079482
LON: 103.411468
N: 393872.77
E: 826863.49

FIRST TAKE POINT
591' FNL 1168' FWL SEC. 6
LAT: 32.078017
LON: 103.411360
N: 393340.18
E: 826901.37

LAST TAKE POINT
2430' FNL 894' FWL SEC. 18
LAT: 32.043929
LON: 103.41237
N: 380936.90
E: 826735.69

BOTTOM OF HOLE
LAT: 32.043633
LON: 103.412366
N: 380828.84
E: 826696.46

Note: All bearings recited herein are based on the New Mexico State Plane Coordinate System, NAD 83, New Mexico East Zone 3001, US Survey Feet, all distances are grid.

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Rebecca Deal 5/4/2021
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dmv.com
E-mail Address

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.

02/02/2021
Date of Survey

Signature & Seal of Professional Surveyor

05/03/21

Certificate No. 22404 B.L. LAMAN
DRAWN BY: CM

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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



Operator: Devon Energy
Well Name: Billiken 6-18 Fed Com #6H
County: Lea
State: New Mexico
Rig Name: Cactus 167
API Number: 30-025-47564

Intrepid Directional Drilling Specialists certifies that the surveys performed on the above referenced well are true and correct MWD surveys, data provided as follows:

Surveyor: Intrepid Directional Drilling Specialists
Survey Depths: 223' MD – 25455' MD
Projection to Bit: 25512' MD
Dates Performed: 11/25/2020 – 12/02/2020 & 01/14/2021 – 02/02/2021
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "JB", with a stylized flourish at the end.

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists





Devon Energy

**Lea County, NM (NAD 83 NME)
(Billiken) Sec-6_T-26-S_R-35-E
Billiken 6-18 Fed Com #6H
API# 30-025-47564
OWB**

Design: AWB

Standard Survey Report

02 February, 2021





Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(Billiken) Sec-6_T-26-S_R-35-E		
Site Position:		Northing:	393,615.83 usft
From:	Map	Easting:	826,309.07 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 43.640 N
		Longitude:	103° 24' 47.752 W
		Grid Convergence:	0.49 °

Well	Billiken 6-18 Fed Com #6H		
Well Position	+N/-S	0.0 usft	Northing: 393,616.04 usft
	+E/-W	0.0 usft	Easting: 826,339.07 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 4' 43.640 N
		Longitude:	103° 24' 47.404 W
		Ground Level:	3,278.8 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	01/15/21	6.40	59.68	47,540.05184840

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	177.00	

Survey Program	Date	02/02/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
223.0	25,512.0	Helix MWD (OWB)	MWD	OWSG MWD - Standard	

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
223.0	0.66	163.52	223.0	-1.2	0.4	1.2	0.30	0.30	0.00
405.0	0.31	186.63	405.0	-2.7	0.6	2.8	0.22	-0.19	12.70
586.0	1.14	199.64	586.0	-4.9	-0.1	4.9	0.46	0.46	7.19
767.0	1.27	219.33	766.9	-8.2	-1.9	8.0	0.24	0.07	10.88
947.0	1.71	199.38	946.9	-12.2	-4.1	12.0	0.37	0.24	-11.08
1,054.2	1.50	201.46	1,054.0	-15.0	-5.1	14.8	0.20	-0.20	1.94
Rustler									
1,127.0	1.36	203.24	1,126.8	-16.7	-5.8	16.4	0.20	-0.19	2.44
1,184.0	1.27	200.52	1,183.8	-17.9	-6.3	17.6	0.19	-0.16	-4.77
1,311.0	1.41	203.51	1,310.8	-20.7	-7.4	20.3	0.12	0.11	2.35



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
1,402.0	1.23	209.31	1,401.7	-22.6	-8.4	22.1	0.25	-0.20	6.37
1,493.3	1.17	201.73	1,493.0	-24.3	-9.2	23.8	0.18	-0.06	-8.31
Salt									
1,591.0	1.14	192.96	1,590.7	-26.2	-9.8	25.6	0.18	-0.04	-8.97
1,780.0	1.19	188.39	1,779.7	-29.9	-10.5	29.4	0.06	0.03	-2.42
1,970.0	1.23	170.90	1,969.6	-33.9	-10.4	33.3	0.19	0.02	-9.21
2,158.0	1.41	163.17	2,157.6	-38.1	-9.5	37.6	0.13	0.10	-4.11
2,347.0	1.32	164.05	2,346.5	-42.4	-8.2	41.9	0.05	-0.05	0.47
2,537.0	1.54	143.57	2,536.5	-46.6	-6.1	46.2	0.29	0.12	-10.78
2,727.0	1.89	129.50	2,726.4	-50.6	-2.1	50.5	0.29	0.18	-7.41
2,917.0	2.20	114.83	2,916.2	-54.2	3.6	54.3	0.32	0.16	-7.72
3,108.0	2.95	87.05	3,107.1	-55.5	11.8	56.0	0.75	0.39	-14.54
3,299.0	5.10	69.39	3,297.6	-52.2	24.7	53.4	1.29	1.13	-9.25
3,489.0	8.18	52.34	3,486.3	-41.0	43.3	43.2	1.91	1.62	-8.97
3,678.0	9.32	52.34	3,673.1	-23.4	66.1	26.8	0.60	0.60	0.00
3,869.0	8.22	58.40	3,861.9	-6.8	89.9	11.5	0.75	-0.58	3.17
4,058.0	8.18	59.89	4,048.9	7.0	113.1	-1.1	0.11	-0.02	0.79
4,248.0	7.87	61.30	4,237.1	20.0	136.2	-12.9	0.19	-0.16	0.74
4,438.0	6.99	62.00	4,425.5	31.7	157.8	-23.4	0.47	-0.46	0.37
4,628.0	6.68	68.86	4,614.1	41.1	178.3	-31.7	0.46	-0.16	3.61
4,818.0	7.21	76.68	4,802.7	47.9	200.2	-37.3	0.57	0.28	4.12
5,008.0	9.41	88.81	4,990.8	50.9	227.4	-39.0	1.47	1.16	6.38
5,199.0	8.04	73.34	5,179.6	55.1	255.8	-41.6	1.42	-0.72	-8.10
5,372.7	5.78	65.28	5,352.0	62.2	275.4	-47.7	1.41	-1.30	-4.64
Base of Salt									
5,389.0	5.58	64.20	5,368.2	62.9	276.8	-48.3	1.41	-1.25	-6.65
5,416.9	5.71	62.01	5,396.0	64.2	279.3	-49.5	0.91	0.48	-7.85
Delaware									
5,580.0	6.64	51.19	5,558.1	73.9	293.8	-58.4	0.91	0.57	-6.63
5,769.0	6.64	50.67	5,745.9	87.7	310.8	-71.3	0.03	0.00	-0.28
5,959.0	6.24	48.29	5,934.7	101.5	327.0	-84.2	0.25	-0.21	-1.25
6,149.0	6.46	43.11	6,123.5	116.2	342.0	-98.1	0.32	0.12	-2.73
6,338.0	5.67	45.66	6,311.4	130.5	355.9	-111.6	0.44	-0.42	1.35
6,410.9	5.62	44.50	6,384.0	135.5	361.0	-116.4	0.17	-0.07	-1.59
Cherry Canyon									
6,529.0	5.54	42.58	6,501.5	143.8	368.9	-124.3	0.17	-0.07	-1.63
6,719.0	6.24	38.63	6,690.5	158.7	381.6	-138.5	0.43	0.37	-2.08
6,909.0	7.43	41.61	6,879.2	175.9	396.2	-154.9	0.65	0.63	1.57
7,099.0	7.25	50.49	7,067.6	192.7	413.6	-170.8	0.60	-0.09	4.67
7,289.0	7.87	55.15	7,256.0	207.8	433.5	-184.8	0.46	0.33	2.45
7,479.0	7.87	55.06	7,444.2	222.7	454.8	-198.5	0.01	0.00	-0.05
7,670.0	7.03	68.16	7,633.6	234.5	476.4	-209.2	0.99	-0.44	6.86
7,782.2	6.33	66.77	7,745.0	239.5	488.5	-213.6	0.64	-0.62	-1.24
Brushy Canyon									



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
7,860.0	5.85	65.61	7,822.4	242.8	496.0	-216.5	0.64	-0.62	-1.49
8,050.0	3.65	62.00	8,011.7	249.7	510.2	-222.6	1.17	-1.16	-1.90
8,239.0	2.02	58.05	8,200.5	254.3	518.3	-226.8	0.87	-0.86	-2.09
8,429.0	1.05	55.76	8,390.4	257.0	522.6	-229.3	0.51	-0.51	-1.21
8,618.0	0.53	48.64	8,579.4	258.6	524.7	-230.7	0.28	-0.28	-3.77
8,809.0	1.76	73.43	8,770.4	260.0	528.2	-232.0	0.68	0.64	12.98
8,999.0	1.14	73.34	8,960.3	261.4	532.8	-233.1	0.33	-0.33	-0.05
9,189.0	0.97	82.31	9,150.3	262.1	536.2	-233.7	0.12	-0.09	4.72
9,317.8	0.88	81.17	9,279.0	262.4	538.2	-233.9	0.07	-0.07	-0.88
1BSLM									
9,345.8	0.86	80.90	9,307.0	262.5	538.6	-233.9	0.07	-0.07	-0.99
LNRD A									
9,379.0	0.84	80.55	9,340.2	262.6	539.1	-234.0	0.07	-0.07	-1.04
9,568.0	1.10	94.44	9,529.2	262.6	542.3	-233.9	0.18	0.14	7.35
9,653.8	0.74	84.27	9,615.0	262.6	543.7	-233.8	0.46	-0.42	-11.86
Basal LNRD A LS									
9,758.0	0.40	48.12	9,719.2	262.9	544.6	-234.1	0.46	-0.33	-34.69
9,803.8	0.40	32.01	9,765.0	263.2	544.8	-234.3	0.24	0.00	-35.17
LNRD B									
9,937.8	0.55	355.87	9,899.0	264.2	545.0	-235.3	0.24	0.11	-26.97
Basal LNRD B LS									
9,949.0	0.57	353.89	9,910.2	264.3	545.0	-235.4	0.24	0.17	-17.68
10,139.0	1.05	355.12	10,100.2	267.0	544.8	-238.1	0.25	0.25	0.65
10,224.9	2.06	341.60	10,186.0	269.3	544.2	-240.4	1.25	1.18	-15.74
LNRD C									
10,329.0	3.34	336.49	10,290.0	273.8	542.4	-245.0	1.25	1.23	-4.91
10,424.0	3.12	352.66	10,384.9	278.9	541.0	-250.2	0.98	-0.23	17.02
10,438.2	2.75	355.69	10,399.0	279.6	540.9	-250.9	2.85	-2.63	21.39
1BSSS									
10,519.0	1.14	51.28	10,479.8	282.1	541.4	-253.3	2.85	-1.99	68.76
10,614.0	1.63	144.01	10,574.8	281.6	542.9	-252.8	2.14	0.52	97.61
10,641.2	1.44	147.90	10,602.0	281.0	543.3	-252.1	0.80	-0.70	14.27
2BSLM									
10,709.0	1.01	163.69	10,669.8	279.7	543.9	-250.8	0.80	-0.63	23.30
10,804.0	1.32	195.95	10,764.7	277.8	543.9	-249.0	0.75	0.33	33.96
10,899.0	1.10	186.81	10,859.7	275.9	543.5	-247.0	0.31	-0.23	-9.62
10,963.3	1.15	210.25	10,924.0	274.7	543.1	-245.9	0.71	0.07	36.46
2BSSS									
10,994.0	1.23	220.03	10,954.7	274.2	542.7	-245.4	0.71	0.27	31.86
11,089.0	1.76	226.62	11,049.7	272.4	541.0	-243.7	0.59	0.56	6.94
11,184.0	1.23	263.63	11,144.6	271.3	538.9	-242.7	1.13	-0.56	38.96
11,280.0	1.63	279.01	11,240.6	271.4	536.5	-242.9	0.57	0.42	16.02
11,374.0	2.55	258.09	11,334.5	271.2	533.2	-242.9	1.26	0.98	-22.26
11,469.0	1.80	227.24	11,429.5	269.7	530.0	-241.6	1.44	-0.79	-32.47
11,529.5	1.57	220.49	11,490.0	268.4	528.8	-240.4	0.50	-0.38	-11.16



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
3BSLM									
11,564.0	1.45	215.72	11,524.4	267.7	528.2	-239.7	0.50	-0.35	-13.83
11,659.0	1.27	199.82	11,619.4	265.8	527.2	-237.8	0.44	-0.19	-16.74
11,754.0	1.45	211.24	11,714.4	263.7	526.2	-235.8	0.34	0.19	12.02
11,849.0	1.41	193.31	11,809.4	261.6	525.3	-233.7	0.47	-0.04	-18.87
11,931.0	1.98	191.73	11,891.3	259.2	524.8	-231.4	0.70	0.70	-1.93
11,996.0	1.98	187.49	11,956.3	257.0	524.4	-229.2	0.23	0.00	-6.52
12,091.0	3.16	167.19	12,051.2	252.8	524.8	-225.0	1.55	1.24	-21.37
12,116.9	4.99	172.96	12,077.0	251.0	525.1	-223.2	7.23	7.06	22.31
3BSSS									
12,187.0	10.02	177.91	12,146.5	241.9	525.7	-214.0	7.23	7.18	7.06
12,282.0	18.77	177.91	12,238.4	218.3	526.5	-190.4	9.21	9.21	0.00
12,377.0	26.86	175.45	12,325.9	181.6	528.8	-153.6	8.57	8.52	-2.59
12,397.4	28.47	175.88	12,344.0	172.1	529.5	-144.2	7.96	7.90	2.09
3BSSS_L									
12,472.0	34.37	177.12	12,407.6	133.3	531.8	-105.3	7.96	7.91	1.67
12,541.8	43.12	174.45	12,462.0	89.8	535.1	-61.7	12.76	12.53	-3.83
Wolfcamp									
12,567.0	46.29	173.69	12,479.9	72.2	537.0	-44.0	12.76	12.58	-3.00
12,567.1	46.29	173.69	12,480.0	72.1	537.0	-43.9	0.00	0.00	0.00
Wolfcamp X Sand									
12,598.6	50.05	172.97	12,501.0	48.8	539.7	-20.5	12.06	11.94	-2.28
Wolfcamp Y Shale									
12,653.9	56.65	171.89	12,534.0	4.8	545.6	23.7	12.02	11.92	-1.96
Wolfcamp Y Sand									
12,661.0	57.49	171.76	12,537.9	-1.1	546.4	29.7	12.02	11.93	-1.79
12,712.5	63.98	173.41	12,563.0	-45.6	552.2	74.4	12.92	12.62	3.20
Wolfcamp 100									
12,749.9	68.72	174.49	12,578.0	-79.6	555.8	108.6	12.92	12.65	2.90
Target Top									
12,756.0	69.49	174.66	12,580.2	-85.3	556.3	114.3	12.92	12.66	2.78
12,850.0	82.81	178.44	12,602.6	-176.2	561.7	205.4	14.70	14.17	4.02
12,944.0	88.04	180.72	12,610.1	-269.9	562.4	298.9	6.07	5.56	2.43
13,037.0	87.82	181.25	12,613.5	-362.8	560.8	391.6	0.62	-0.24	0.57
13,131.0	90.81	182.48	12,614.6	-456.7	557.8	485.3	3.44	3.18	1.31
13,226.0	89.41	180.99	12,614.4	-551.7	554.9	580.0	2.15	-1.47	-1.57
13,321.0	88.22	179.58	12,616.4	-646.6	554.4	674.8	1.94	-1.25	-1.48
13,400.4	88.03	179.06	12,619.0	-726.0	555.3	754.1	0.69	-0.23	-0.65
Target Base									
13,415.0	88.00	178.97	12,619.5	-740.6	555.6	768.7	0.69	-0.23	-0.65
13,510.0	87.43	178.79	12,623.3	-835.5	557.4	863.5	0.63	-0.60	-0.19
13,604.0	89.23	179.05	12,626.0	-929.4	559.2	957.4	1.93	1.91	0.28
13,699.0	88.40	178.70	12,628.0	-1,024.4	561.1	1,052.4	0.95	-0.87	-0.37
13,793.0	92.31	183.98	12,627.4	-1,118.3	558.9	1,146.0	6.99	4.16	5.62



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
13,886.0	90.64	183.10	12,625.0	-1,211.1	553.1	1,238.4	2.03	-1.80	-0.95
13,981.0	90.42	184.33	12,624.1	-1,305.9	547.0	1,332.7	1.32	-0.23	1.29
14,075.0	89.49	183.27	12,624.2	-1,399.7	540.8	1,426.1	1.50	-0.99	-1.13
14,169.0	88.04	181.16	12,626.2	-1,493.6	537.1	1,519.7	2.72	-1.54	-2.24
14,265.0	89.23	179.76	12,628.5	-1,589.5	536.4	1,615.4	1.91	1.24	-1.46
14,358.0	89.71	181.08	12,629.4	-1,682.5	535.7	1,708.3	1.51	0.52	1.42
14,452.0	91.69	180.64	12,628.2	-1,776.5	534.3	1,802.1	2.16	2.11	-0.47
14,546.0	90.64	178.35	12,626.3	-1,870.5	535.1	1,895.9	2.68	-1.12	-2.44
14,638.0	90.46	178.00	12,625.4	-1,962.4	538.0	1,987.9	0.43	-0.20	-0.38
14,733.0	91.12	180.46	12,624.1	-2,057.4	539.3	2,082.8	2.68	0.69	2.59
14,848.0	90.07	180.46	12,622.9	-2,172.4	538.4	2,197.6	0.91	-0.91	0.00
14,943.0	88.79	178.26	12,623.9	-2,267.4	539.4	2,292.5	2.68	-1.35	-2.32
15,037.0	88.22	178.26	12,626.3	-2,361.3	542.3	2,386.5	0.61	-0.61	0.00
15,132.0	88.18	178.79	12,629.3	-2,456.2	544.7	2,481.4	0.56	-0.04	0.56
15,228.0	89.32	177.91	12,631.4	-2,552.2	547.5	2,577.3	1.50	1.19	-0.92
15,323.0	86.86	175.98	12,634.6	-2,647.0	552.6	2,672.3	3.29	-2.59	-2.03
15,418.0	87.43	173.52	12,639.3	-2,741.4	561.2	2,767.1	2.65	0.60	-2.59
15,513.0	88.53	174.22	12,642.7	-2,835.8	571.4	2,861.9	1.37	1.16	0.74
15,607.0	91.91	177.03	12,642.3	-2,929.5	578.5	2,955.8	4.68	3.60	2.99
15,702.0	90.86	175.80	12,640.0	-3,024.3	584.5	3,050.8	1.70	-1.11	-1.29
15,797.0	94.20	176.24	12,635.8	-3,119.0	591.1	3,145.6	3.55	3.52	0.46
15,892.0	94.33	178.62	12,628.7	-3,213.6	595.3	3,240.4	2.50	0.14	2.51
15,987.0	91.38	180.20	12,624.0	-3,308.5	596.3	3,335.2	3.52	-3.11	1.66
16,082.0	91.08	179.93	12,622.0	-3,403.5	596.2	3,430.0	0.42	-0.32	-0.28
16,178.0	88.70	180.20	12,622.2	-3,499.5	596.1	3,525.9	2.50	-2.48	0.28
16,273.0	88.97	180.81	12,624.1	-3,594.4	595.2	3,620.7	0.70	0.28	0.64
16,368.0	88.48	181.25	12,626.2	-3,689.4	593.5	3,715.4	0.69	-0.52	0.46
16,463.0	89.27	182.66	12,628.1	-3,784.3	590.3	3,810.0	1.70	0.83	1.48
16,558.0	88.92	180.81	12,629.6	-3,879.3	587.4	3,904.7	1.98	-0.37	-1.95
16,653.0	90.42	179.67	12,630.1	-3,974.2	587.0	3,999.5	1.98	1.58	-1.20
16,748.0	91.16	181.08	12,628.8	-4,069.2	586.4	4,094.4	1.68	0.78	1.48
16,843.0	90.99	180.64	12,627.0	-4,164.2	585.0	4,189.1	0.50	-0.18	-0.46
16,938.0	87.52	177.82	12,628.3	-4,259.2	586.2	4,284.0	4.71	-3.65	-2.97
17,033.0	88.04	178.26	12,631.9	-4,354.0	589.5	4,378.9	0.72	0.55	0.46
17,129.0	88.09	179.23	12,635.2	-4,450.0	591.6	4,474.8	1.01	0.05	1.01
17,224.0	88.84	180.99	12,637.7	-4,544.9	591.4	4,569.6	2.01	0.79	1.85
17,319.0	89.32	181.60	12,639.3	-4,639.9	589.3	4,664.4	0.82	0.51	0.64
17,415.0	89.01	181.69	12,640.7	-4,735.8	586.5	4,760.0	0.34	-0.32	0.09
17,509.0	88.35	181.69	12,642.8	-4,829.8	583.7	4,853.7	0.70	-0.70	0.00
17,604.0	90.42	183.36	12,643.8	-4,924.7	579.6	4,948.2	2.80	2.18	1.76
17,699.0	88.97	181.78	12,644.3	-5,019.6	575.3	5,042.8	2.26	-1.53	-1.66
17,795.0	88.48	179.93	12,646.5	-5,115.5	573.9	5,138.5	1.99	-0.51	-1.93
17,890.0	88.62	180.81	12,648.9	-5,210.5	573.2	5,233.3	0.94	0.15	0.93



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
17,984.0	88.22	180.02	12,651.5	-5,304.4	572.6	5,327.1	0.94	-0.43	-0.84
18,000.7	88.20	179.91	12,652.0	-5,321.2	572.6	5,343.9	0.66	-0.14	-0.65
WFMP 120									
18,078.0	88.09	179.41	12,654.5	-5,398.4	573.0	5,421.0	0.66	-0.14	-0.65
18,173.0	88.97	182.31	12,656.9	-5,493.3	571.6	5,515.7	3.19	0.93	3.05
18,268.0	88.40	180.72	12,659.1	-5,588.3	569.1	5,610.4	1.78	-0.60	-1.67
18,363.0	88.97	180.99	12,661.3	-5,683.2	567.7	5,705.2	0.66	0.60	0.28
18,458.0	89.05	181.69	12,662.9	-5,778.2	565.5	5,799.9	0.74	0.08	0.74
18,553.0	90.37	184.33	12,663.4	-5,873.1	560.5	5,894.3	3.11	1.39	2.78
18,649.0	91.52	184.24	12,661.8	-5,968.8	553.3	5,989.6	1.20	1.20	-0.09
18,744.0	90.42	182.04	12,660.2	-6,063.6	548.1	6,084.0	2.59	-1.16	-2.32
18,839.0	89.32	180.37	12,660.4	-6,158.6	546.1	6,178.7	2.10	-1.16	-1.76
18,934.0	87.87	177.21	12,662.8	-6,253.5	548.1	6,273.6	3.66	-1.53	-3.33
19,028.0	87.65	177.38	12,666.5	-6,347.3	552.5	6,367.6	0.30	-0.23	0.18
19,123.0	87.78	178.18	12,670.2	-6,442.2	556.2	6,462.5	0.85	0.14	0.84
19,218.0	88.40	176.86	12,673.4	-6,537.1	560.3	6,557.4	1.53	0.65	-1.39
19,313.0	88.48	179.76	12,676.0	-6,632.0	563.1	6,652.4	3.05	0.08	3.05
19,408.0	88.97	185.91	12,678.1	-6,726.8	558.4	6,746.8	6.49	0.52	6.47
19,502.0	88.70	186.53	12,680.0	-6,820.2	548.2	6,839.6	0.72	-0.29	0.66
19,597.0	88.53	182.66	12,682.3	-6,914.9	540.6	6,933.7	4.08	-0.18	-4.07
19,693.0	90.24	179.32	12,683.3	-7,010.8	539.0	7,029.4	3.91	1.78	-3.48
19,788.0	88.31	173.87	12,684.5	-7,105.6	544.6	7,124.4	6.09	-2.03	-5.74
19,883.0	90.51	175.10	12,685.5	-7,200.2	553.7	7,219.3	2.65	2.32	1.29
19,978.0	89.27	174.84	12,685.7	-7,294.8	562.1	7,314.2	1.33	-1.31	-0.27
20,073.0	88.62	177.82	12,687.5	-7,389.6	568.2	7,409.2	3.21	-0.68	3.14
20,168.0	88.22	180.37	12,690.1	-7,484.5	569.7	7,504.1	2.72	-0.42	2.68
20,263.0	90.11	176.86	12,691.5	-7,579.4	572.0	7,599.0	4.20	1.99	-3.69
20,359.0	89.41	173.96	12,691.9	-7,675.1	579.6	7,694.9	3.11	-0.73	-3.02
20,454.0	90.24	173.61	12,692.2	-7,769.6	589.9	7,789.8	0.95	0.87	-0.37
20,549.0	90.55	173.34	12,691.5	-7,864.0	600.7	7,884.6	0.43	0.33	-0.28
20,643.0	90.29	173.52	12,690.8	-7,957.3	611.5	7,978.4	0.34	-0.28	0.19
20,739.0	90.42	173.34	12,690.2	-8,052.7	622.5	8,074.2	0.23	0.14	-0.19
20,833.0	90.20	174.13	12,689.7	-8,146.1	632.7	8,168.1	0.87	-0.23	0.84
20,928.0	89.71	174.92	12,689.8	-8,240.7	641.8	8,263.0	0.98	-0.52	0.83
21,023.0	89.23	176.59	12,690.7	-8,335.4	648.8	8,358.0	1.83	-0.51	1.76
21,118.0	89.41	177.30	12,691.8	-8,430.3	653.9	8,453.0	0.77	0.19	0.75
21,214.0	89.45	177.30	12,692.7	-8,526.2	658.4	8,549.0	0.04	0.04	0.00
21,309.0	89.85	177.65	12,693.3	-8,621.1	662.6	8,644.0	0.56	0.42	0.37
21,404.0	89.19	178.26	12,694.1	-8,716.0	666.0	8,738.9	0.95	-0.69	0.64
21,499.0	88.79	179.14	12,695.8	-8,811.0	668.1	8,833.9	1.02	-0.42	0.93
21,595.0	88.04	178.18	12,698.5	-8,906.9	670.4	8,929.8	1.27	-0.78	-1.00
21,690.0	86.90	177.38	12,702.6	-9,001.7	674.0	9,024.7	1.47	-1.20	-0.84
21,784.0	85.63	174.84	12,708.8	-9,095.3	680.4	9,118.5	3.02	-1.35	-2.70
21,879.0	88.92	178.18	12,713.3	-9,190.0	686.2	9,213.3	4.93	3.46	3.52



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	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)
21,974.0	89.05	176.33	12,715.0	-9,284.9	690.7	9,308.3	1.95	0.14	-1.95
22,069.0	90.73	176.15	12,715.2	-9,379.7	697.0	9,403.3	1.78	1.77	-0.19
22,164.0	91.08	181.78	12,713.7	-9,474.6	698.7	9,498.2	5.94	0.37	5.93
22,260.0	90.29	181.16	12,712.5	-9,570.6	696.2	9,593.9	1.05	-0.82	-0.65
22,354.0	90.15	181.34	12,712.1	-9,664.5	694.2	9,687.6	0.24	-0.15	0.19
22,449.0	90.42	181.34	12,711.7	-9,759.5	691.9	9,782.4	0.28	0.28	0.00
22,544.0	90.95	182.31	12,710.5	-9,854.5	688.9	9,877.0	1.16	0.56	1.02
22,639.0	88.84	181.43	12,710.7	-9,949.4	685.8	9,971.7	2.41	-2.22	-0.93
22,734.0	88.97	182.48	12,712.5	-10,044.3	682.6	10,066.3	1.11	0.14	1.11
22,830.0	88.92	184.24	12,714.3	-10,140.1	676.9	10,161.7	1.83	-0.05	1.83
22,925.0	87.87	184.77	12,717.0	-10,234.8	669.5	10,255.8	1.24	-1.11	0.56
23,021.0	89.58	184.86	12,719.1	-10,330.5	661.4	10,350.9	1.78	1.78	0.09
23,116.0	86.42	180.99	12,722.4	-10,425.2	656.6	10,445.3	5.26	-3.33	-4.07
23,211.0	88.75	180.46	12,726.4	-10,520.1	655.4	10,540.0	2.52	2.45	-0.56
23,305.0	90.29	181.78	12,727.2	-10,614.1	653.5	10,633.8	2.16	1.64	1.40
23,401.0	87.96	179.23	12,728.7	-10,710.1	652.7	10,729.6	3.60	-2.43	-2.66
23,496.0	88.09	179.14	12,731.9	-10,805.0	654.0	10,824.4	0.17	0.14	-0.09
23,591.0	89.76	180.37	12,733.7	-10,900.0	654.5	10,919.3	2.18	1.76	1.29
23,686.0	89.36	181.34	12,734.4	-10,995.0	653.0	11,014.1	1.10	-0.42	1.02
23,780.0	88.79	179.32	12,736.0	-11,089.0	652.5	11,107.9	2.23	-0.61	-2.15
23,875.0	88.79	180.90	12,738.0	-11,183.9	652.3	11,202.8	1.66	0.00	1.66
23,970.0	89.05	185.47	12,739.8	-11,278.7	647.0	11,297.2	4.82	0.27	4.81
24,065.0	88.88	188.37	12,741.5	-11,373.0	635.6	11,390.7	3.06	-0.18	3.05
24,160.0	89.36	187.58	12,742.9	-11,467.1	622.4	11,484.0	0.97	0.51	-0.83
24,254.0	88.13	186.53	12,745.0	-11,560.4	610.9	11,576.5	1.72	-1.31	-1.12
24,349.0	87.43	183.10	12,748.7	-11,654.9	602.9	11,670.5	3.68	-0.74	-3.61
24,445.0	90.02	186.17	12,750.8	-11,750.6	595.1	11,765.6	4.18	2.70	3.20
24,540.0	88.18	185.91	12,752.3	-11,845.0	585.2	11,859.4	1.96	-1.94	-0.27
24,635.0	88.40	187.49	12,755.1	-11,939.3	574.1	11,953.0	1.68	0.23	1.66
24,729.0	90.07	190.39	12,756.4	-12,032.2	559.5	12,045.0	3.56	1.78	3.09
24,824.0	90.51	191.45	12,755.9	-12,125.5	541.5	12,137.2	1.21	0.46	1.12
24,918.0	90.11	191.45	12,755.4	-12,217.6	522.8	12,228.2	0.43	-0.43	0.00
25,014.0	89.05	192.41	12,756.1	-12,311.5	503.0	12,321.0	1.49	-1.10	1.00
25,108.0	89.27	195.05	12,757.5	-12,402.8	480.7	12,411.0	2.82	0.23	2.81
25,202.0	89.41	195.49	12,758.6	-12,493.5	455.9	12,500.2	0.49	0.15	0.47
25,297.0	88.53	197.07	12,760.3	-12,584.7	429.3	12,589.9	1.90	-0.93	1.66
25,392.0	91.65	200.94	12,760.1	-12,674.4	398.4	12,677.9	5.23	3.28	4.07
25,455.0	88.44	199.62	12,760.1	-12,733.5	376.5	12,735.8	5.51	-5.10	-2.10
25,512.0	88.44	199.62	12,761.6	-12,787.2	357.4	12,788.4	0.00	0.00	0.00



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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
FTP (Billiken 6-18 Fed - actual wellpath misses target center by 197.8usft at 12564.9usft MD (12478.4 TVD, 73.7 N, 536.8 E) - Point	0.00	0.00	12,615.0	214.9	560.2	393,830.92	826,899.22	32° 4' 45.719 N	103° 24' 40.872 W
5745°VS (Billiken 6-18 - actual wellpath misses target center by 46.8usft at 18399.3usft MD (12661.9 TVD, -5719.5 N, 567.0 E) - Rectangle (sides W100.0 H5,506.0 D30.0)	0.37	179.50	12,650.0	-5,720.8	612.2	387,895.24	826,951.27	32° 3' 46.981 N	103° 24' 40.857 W
LTP (Billiken 6-18 Fed - actual wellpath misses target center by 299.4usft at 25406.4usft MD (12759.8 TVD, -12687.9 N, 393.2 E) - Point	0.00	0.00	12,749.0	-12,791.6	673.9	380,824.40	827,012.98	32° 2' 37.009 N	103° 24' 40.842 W
PBHL (Billiken 6-18 Fed - actual wellpath misses target center by 326.6usft at 25455.0usft MD (12760.1 TVD, -12733.5 N, 376.5 E) - Rectangle (sides W200.0 H7,146.8 D30.0)	0.79	179.50	12,749.0	-12,866.7	674.6	380,749.35	827,013.63	32° 2' 36.266 N	103° 24' 40.841 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,054.2	1,054.0	Rustler			
1,493.3	1,493.0	Salt			
5,372.7	5,352.0	Base of Salt			
5,416.9	5,396.0	Delaware			
6,410.9	6,384.0	Cherry Canyon			
7,782.2	7,745.0	Brushy Canyon			
9,317.8	9,279.0	1BSLM			
9,345.8	9,307.0	LNRD A			
9,653.8	9,615.0	Basal LNRD A LS			
9,803.8	9,765.0	LNRD B			
9,937.8	9,899.0	Basal LNRD B LS			
10,224.9	10,186.0	LNRD C			
10,438.2	10,399.0	1BSSS			
10,641.2	10,602.0	2BSLM			
10,963.3	10,924.0	2BSSS			
11,529.5	11,490.0	3BSLM			
12,116.9	12,077.0	3BSSS			
12,397.4	12,344.0	3BSSS_L			
12,541.8	12,462.0	Wolfcamp			
12,567.1	12,480.0	Wolfcamp X Sand			
12,598.6	12,501.0	Wolfcamp Y Shale			
12,653.9	12,534.0	Wolfcamp Y Sand			
12,712.5	12,563.0	Wolfcamp 100			
12,749.9	12,578.0	Target Top			
13,400.4	12,619.0	Target Base			
18,000.7	12,652.0	WFMP 120			



Intrepid Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Well Billiken 6-18 Fed Com #6H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3303.3usft (Cactus 167)
Site:	(Billiken) Sec-6_T-26-S_R-35-E	MD Reference:	KB @ 3303.3usft (Cactus 167)
Well:	Billiken 6-18 Fed Com #6H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,293.2	12,249.0	214.6	526.7	FTP @ 12293.2'MD, 100'FNL & 1136.6'FWL
25,455.0	12,760.1	-12,733.5	376.5	LAST SVY
25,512.0	12,761.6	-12,787.2	357.4	Projection to TD @ 25512'MD, 106.4'FSL & 853.6'FWL

Checked By: _____ Approved By: _____ Date: _____

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

State of New Mexico
 Energy, Minerals and Natural Resources

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

Form C-103
 Revised August 1, 2011

WELL API NO.	30-025-47564
5. Indicate Type of Lease STATE ☐ FEE ☐	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	Billiken 6-18 Fed Com
8. Well Number	6H
9. OGRID Number	6137
10. Pool name or Wildcat	WC-025 G-09 S263504N; WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator	Devon Energy Production Company, L.P.
3. Address of Operator	333 West Sheridan, Oklahoma City, OK 73102
4. Well Location Unit Letter <u>1</u> (lot) <u>311</u> feet from the <u>North</u> line and <u>578</u> feet from the <u>West</u> line Section <u>6</u> Township <u>26S</u> Range <u>35E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL: 3278.4'	

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.

2/24/2021 - 5/1/2021: MIRU WL & PT. TOC @ surf. No logs ran. TIH w/pump through frac plug and guns.
 Perf Wolfcamp, 12,950'-25,397'. Frac totals 31,270,665# prop, 114 bbl acid. ND frac, MIRU PU, NU BOP, DO plugs & CO to PBTD 25,456'. CHC, FWB, ND BOP. Tubing to be ran at later date. TOP.

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

SIGNATURE Rebecca Deal TITLE Regulatory Analyst DATE 6/8/2021

Type or print name Rebecca Deal E-mail address: Rebecca.Deal@dmn.com PHONE: 405-228-8429
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.		30-025-47564						
		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:						5. Lease Name or Unit Agreement Name				
☒ 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)						Billiken 6-18 Fed Com				
						6. Well Number:				
						6H				
7. Type of Completion:										
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator						9. OGRID				
Devon Energy Production Company, L.P.						6137				
10. Address of Operator						11. Pool name or Wildcat				
333 West Sheridan Avenue, Oklahoma City, OK 73102						WC-025 G-09 S263504N; WOLFCAMP				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:		6	26S	35E	1	311	North	578	West	Lea
BH:		18	26S	35E	2	2588	North	468	West	Lea
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)		3278.4' GL		
11/12/20	1/31/21	2/6/21		5/1/21						
18. Total Measured Depth of Well			19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run			
25512 MD, 12762 TVD			25456		Yes		No Logs Ran			
22. Producing Interval(s), of this completion - Top, Bottom, Name										
12950-25397, WOLFCAMP										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		
13.375	54.5	1227		17.5		1265 sx C/C; circ 556 sx				
8.625	32	11987		9.875		970 sx C/POZ MIX; circ 0 sx		TOC @ 583		
5.5	20	25497		7.875		4395 sx cmt; circ 1106 sx				
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET	PACKER SET	
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						
12950 - 25397, total 1244 holes				DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
				12950-25397		Acidize and frac in 63 stages. See detailed summary attached.				
28. PRODUCTION										
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)				
5/1/21		Flowing				Producing				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio			
5/5/21	24			1522	1842	3070	1210.25			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)				
psi	psi									
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						30. Test Witnessed By				
Sold										
31. List Attachments										
Directional Survey, Logs										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD 1927 1983				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature	Printed Name			Title		Regulatory Analyst		Date		
Rebecca Deal	Rebecca Deal							6/8/2021		
E-mail Address		Rebecca.Deal@dmv.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.

[illegible]

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

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

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

From	To	Thickness In Feet	Lithology

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 34077

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 34077
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 34077

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 34077
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/18/2021