

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 / 11/4/20
⁴ API Number 30-025-46465	⁵ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP	⁶ Pool Code 98135 KZ
⁷ Property Code	⁸ Property Name Blue Krait 23-14 Fed	⁹ Well Number 36H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	24S	33E		245	South	1010	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
C	14	24S	33E		39	North	1916	West	Lea

¹² Lse Code F **¹³ Producing Method Code** F **¹⁴ Gas Connection Date** 11/4/20 **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
371960	Lucid Energy Delaware, LLC 3100 McKinnon St., Ste. 800, Dallas, TX 75201	Gas

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
1/16/20	11/4/20	22867	22805	12704 - 22752	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	1297	324 sx CIA; Circ 472 sx		
9.875	8.625	11658	790 sx CIA; Circ 718 sx		
7.875	5.5	22852	1685 sx CIH; Circ 0 sx		
	Tubing: 2.875	12234			

V. Well Test Data

³¹ Date New Oil 11/29/20	³² Gas Delivery Date 11/29/20	³³ Test Date 11/29/20	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1787 psi	³⁶ Csg. Pressure 5993 psi
³⁷ Choke Size	³⁸ Oil 2032 bbl	³⁹ Water 3766 bbl	⁴⁰ Gas 3729 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: <i>Rebecca Deal</i>			OIL CONSERVATION DIVISION		
Printed name: Rebecca Deal			Approved by: PM		
Title: Regulatory Analyst			Title: LM II		
E-mail Address: Rebecca.Deal@dvn.com			Approval Date: 4/5/2021		
Date: 12/3/2020	Phone: 405-228-8429		Request for NMOCD extension of time to file BLM form 3160-4 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 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) 476-3480 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 30-025-46465		Pool Code 98135	Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP
Property Code 316705	Property Name BLUE KRAIT 23-14 FED		Well Number 36H
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		Elevation 3555.7'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	24-S	33-E		245	SOUTH	1010	WEST	LEA

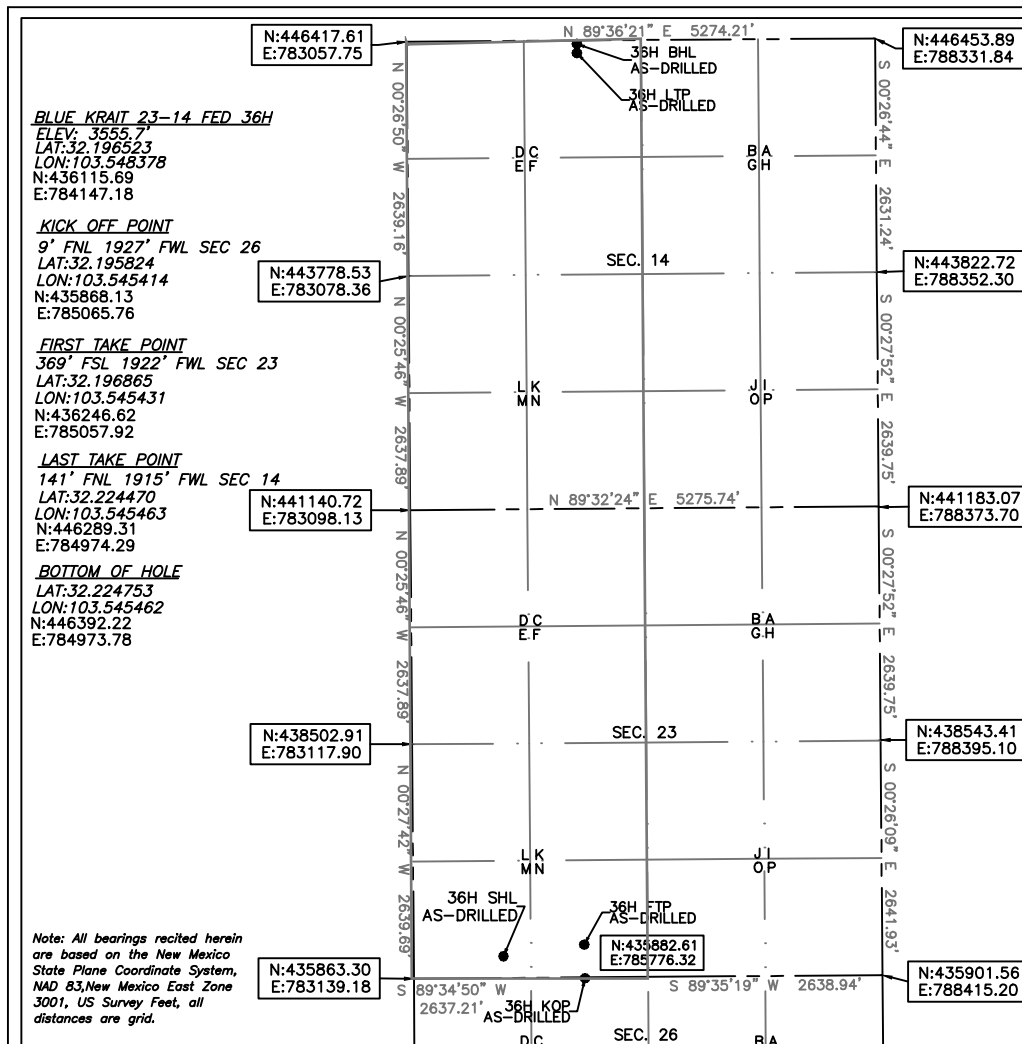
Bottom Hole Location If Different From Surface

SL

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	24-S	33-E		39	NORTH	1916	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
640			

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



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 11/19/2020
Signature Date

Rebecca Deal, Regulatory Analyst
Printed Name

rebecca.deal@dvn.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.

03/24/2020

Date of Survey

Signature & Seal of Professional Surveyor



11/2/20

Certificate No. 22404 B.L. LAMAN

DRAWN BY: CM

Intent ☐ As Drilled ☒

API # 30-025-46465		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: BLUE KRAIT 23-14 FED	Well Number 36H

Kick Off Point (KOP)

UL C	Section 26	Township 24-S	Range 33-E	Lot	Feet 9	From N/S NORTH	Feet 1927	From E/W WEST	County LEA
Latitude 32.195824					Longitude 103.545414			NAD	

First Take Point (FTP)

UL N	Section 23	Township 24-S	Range 33-E	Lot	Feet 369	From N/S SOUTH	Feet 1922	From E/W WEST	County LEA
Latitude 32.196865					Longitude 103.545431			NAD 83	

Last Take Point (LTP)

UL C	Section 14	Township 24-S	Range 33-E	Lot	Feet 141	From N/S NORTH	Feet 1915	From E/W WEST	County LEA
Latitude 32.224470					Longitude 103.545463			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: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: BLUE KRAIT 23-14 FED	Well Number 31H

KZ 06/29/2018

Devon

SURVEY REPORT

Blue Krait 23-14 Fed 36H

Patterson 575

I, Deanna Jacobs, certify the surveys supplied on
Blue Krait 23-14 Fed 36H are correct and accurate to the best of my
knowledge and are supported by actual field data.

Deanna Jacobs

Date: 3/24/2020



The **Ultimate Partner** In Wellbore Placement



Devon Energy

Lea County, NM (NAD83 NME)

Blue Krait 23-14 Fed

#36H

OH

Design: As Drilled

Standard Survey Report

24 March, 2020



www.scientificdrilling.com



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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

Site		Blue Krait 23-14 Fed			
Site Position:		Northing:	436,115.47 usft	Latitude:	32.196523
From:	Map	Easting:	784,117.18 usft	Longitude:	-103.548475
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#36H					
Well Position	+N/-S	0.00 usft	Northing:	436,115.69 usft	Latitude:	32.196523
	+E/-W	0.00 usft	Easting:	784,147.18 usft	Longitude:	-103.548378
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,556.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	1/14/2020	6.57	59.83	47,812.80000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	4.43	

Survey Program	Date	3/24/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
175.00	22,855.00	SDI Survey #1 (OH)	MWD+IFR1	MWD + IFR1	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
175.00	0.29	108.60	175.00	-0.14	0.42	-0.11	0.17	0.17	0.00	
205.00	0.33	132.68	205.00	-0.22	0.56	-0.18	0.45	0.13	80.27	
266.00	0.30	157.60	266.00	-0.49	0.75	-0.43	0.23	-0.05	40.85	
358.00	0.85	133.56	357.99	-1.18	1.33	-1.08	0.64	0.60	-26.13	
450.00	0.89	146.96	449.98	-2.25	2.22	-2.08	0.22	0.04	14.57	
542.00	0.97	147.58	541.97	-3.51	3.02	-3.27	0.09	0.09	0.67	
634.00	0.95	157.65	633.96	-4.87	3.73	-4.57	0.18	-0.02	10.95	
754.00	0.41	154.05	753.95	-6.18	4.30	-5.83	0.45	-0.45	-3.00	
845.00	0.60	129.05	844.95	-6.77	4.81	-6.38	0.32	0.21	-27.47	



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
936.00	0.53	124.87	935.94	-7.31	5.52	-6.86	0.09	-0.08	-4.59
997.00	0.45	126.76	996.94	-7.62	5.95	-7.13	0.13	-0.13	3.10
1,087.00	0.87	131.23	1,086.93	-8.28	6.74	-7.73	0.47	0.47	4.97
1,179.00	0.65	145.00	1,178.92	-9.17	7.57	-8.55	0.31	-0.24	14.97
1,227.00	0.65	118.56	1,226.92	-9.52	7.96	-8.88	0.62	0.00	-55.08
1,368.00	0.07	71.70	1,367.92	-9.87	8.75	-9.17	0.43	-0.41	-33.23
1,418.00	0.12	328.87	1,417.92	-9.82	8.75	-9.12	0.30	0.10	-205.66
1,512.00	0.50	81.13	1,511.92	-9.67	9.10	-8.94	0.59	0.40	119.43
1,606.00	1.90	103.68	1,605.89	-9.98	11.02	-9.10	1.54	1.49	23.99
1,701.00	3.46	103.80	1,700.79	-11.03	15.34	-9.82	1.64	1.64	0.13
1,795.00	4.96	109.32	1,794.53	-13.06	21.93	-11.32	1.65	1.60	5.87
1,890.00	6.45	107.78	1,889.06	-16.04	30.89	-13.61	1.58	1.57	-1.62
1,983.00	7.80	109.64	1,981.34	-19.76	41.80	-16.48	1.47	1.45	2.00
2,078.00	9.48	108.32	2,075.26	-24.39	55.30	-20.05	1.78	1.77	-1.39
2,173.00	10.79	106.67	2,168.77	-29.40	71.25	-23.81	1.41	1.38	-1.74
2,267.00	10.92	105.93	2,261.09	-34.36	88.24	-27.45	0.20	0.14	-0.79
2,360.00	10.72	105.63	2,352.44	-39.11	105.04	-30.89	0.22	-0.22	-0.32
2,455.00	10.52	104.85	2,445.81	-43.72	121.93	-34.18	0.26	-0.21	-0.82
2,549.00	10.42	103.73	2,538.25	-47.93	138.48	-37.10	0.24	-0.11	-1.19
2,644.00	10.09	102.44	2,631.73	-51.76	154.96	-39.65	0.42	-0.35	-1.36
2,738.00	9.86	102.31	2,724.31	-55.25	170.86	-41.91	0.25	-0.24	-0.14
2,833.00	9.84	101.08	2,817.91	-58.55	186.77	-43.96	0.22	-0.02	-1.29
2,928.00	10.22	101.87	2,911.45	-61.84	202.99	-46.00	0.43	0.40	0.83
3,022.00	10.36	102.95	3,003.94	-65.45	219.39	-48.33	0.25	0.15	1.15
3,116.00	10.26	101.65	3,096.42	-69.04	235.82	-50.63	0.27	-0.11	-1.38
3,210.00	9.65	101.08	3,189.01	-72.24	251.75	-52.60	0.66	-0.65	-0.61
3,305.00	9.95	102.01	3,282.62	-75.48	267.59	-54.61	0.36	0.32	0.98
3,399.00	10.59	106.85	3,375.12	-79.67	283.81	-57.54	1.14	0.68	5.15
3,495.00	10.47	106.60	3,469.50	-84.72	300.61	-61.27	0.13	-0.13	-0.26
3,588.00	10.41	106.20	3,560.96	-89.48	316.77	-64.77	0.10	-0.06	-0.43
3,684.00	10.18	106.65	3,655.42	-94.33	333.23	-68.34	0.25	-0.24	0.47
3,778.00	10.62	109.65	3,747.87	-99.62	349.35	-72.37	0.74	0.47	3.19
3,873.00	11.11	111.22	3,841.17	-105.88	366.12	-77.32	0.60	0.52	1.65
3,967.00	11.76	111.30	3,933.30	-112.64	383.49	-82.71	0.69	0.69	0.09
4,062.00	11.37	111.65	4,026.37	-119.61	401.21	-88.30	0.42	-0.41	0.37
4,156.00	10.20	111.06	4,118.71	-126.02	417.59	-93.42	1.25	-1.24	-0.63
4,251.00	10.33	108.82	4,212.19	-131.79	433.51	-97.95	0.44	0.14	-2.36
4,346.00	10.06	108.13	4,305.69	-137.12	449.45	-102.03	0.31	-0.28	-0.73
4,440.00	10.06	104.87	4,398.25	-141.78	465.19	-105.46	0.61	0.00	-3.47
4,473.00	10.75	105.22	4,430.70	-143.33	470.95	-106.56	2.10	2.09	1.06
4,629.00	11.76	104.14	4,583.70	-151.03	500.40	-111.97	0.66	0.65	-0.69
4,724.00	10.98	103.68	4,676.84	-155.54	518.58	-115.06	0.83	-0.82	-0.48
4,818.00	11.05	105.69	4,769.11	-160.09	535.95	-118.26	0.42	0.07	2.14
4,913.00	11.57	106.83	4,862.26	-165.31	553.83	-122.08	0.60	0.55	1.20



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,008.00	11.92	110.07	4,955.27	-171.43	572.17	-126.78	0.79	0.37	3.41
5,103.00	11.41	102.35	5,048.32	-176.81	590.56	-130.72	1.73	-0.54	-8.13
5,197.00	10.41	99.74	5,140.62	-180.24	608.02	-132.79	1.19	-1.06	-2.78
5,292.00	10.05	101.91	5,234.11	-183.40	624.59	-134.66	0.56	-0.38	2.28
5,387.00	9.98	103.89	5,327.66	-187.09	640.69	-137.10	0.37	-0.07	2.08
5,482.00	11.23	100.90	5,421.04	-190.81	657.77	-139.49	1.44	1.32	-3.15
5,575.00	11.88	102.57	5,512.15	-194.61	676.00	-141.87	0.79	0.70	1.80
5,669.00	11.97	102.41	5,604.12	-198.81	694.96	-144.59	0.10	0.10	-0.17
5,763.00	11.97	101.42	5,696.08	-202.83	714.04	-147.14	0.22	0.00	-1.05
5,858.00	11.70	101.11	5,789.06	-206.64	733.15	-149.46	0.29	-0.28	-0.33
5,953.00	11.37	100.62	5,882.14	-210.22	751.80	-151.59	0.36	-0.35	-0.52
6,047.00	11.38	101.22	5,974.29	-213.73	770.01	-153.69	0.13	0.01	0.64
6,142.00	11.02	101.37	6,067.48	-217.35	788.10	-155.89	0.38	-0.38	0.16
6,237.00	10.05	100.53	6,160.88	-220.65	805.15	-157.87	1.03	-1.02	-0.88
6,330.00	9.61	101.44	6,252.52	-223.68	820.74	-159.68	0.50	-0.47	0.98
6,425.00	8.91	101.55	6,346.28	-226.72	835.72	-161.56	0.74	-0.74	0.12
6,519.00	8.20	98.73	6,439.23	-229.20	849.48	-162.97	0.88	-0.76	-3.00
6,613.00	6.97	100.95	6,532.41	-231.30	861.70	-164.12	1.34	-1.31	2.36
6,708.00	5.99	100.97	6,626.80	-233.34	872.23	-165.34	1.03	-1.03	0.02
6,803.00	4.52	100.39	6,721.40	-234.95	880.78	-166.30	1.55	-1.55	-0.61
6,897.00	2.99	107.73	6,815.19	-236.37	886.76	-167.24	1.70	-1.63	7.81
6,992.00	1.69	124.16	6,910.11	-237.91	890.28	-168.51	1.53	-1.37	17.29
7,087.00	0.69	175.25	7,005.09	-239.27	891.48	-169.77	1.44	-1.05	53.78
7,181.00	0.57	177.05	7,099.09	-240.30	891.55	-170.79	0.13	-0.13	1.91
7,275.00	0.81	174.41	7,193.08	-241.43	891.64	-171.91	0.26	0.26	-2.81
7,370.00	0.72	179.62	7,288.07	-242.69	891.71	-173.17	0.12	-0.09	5.48
7,465.00	0.74	168.31	7,383.06	-243.89	891.84	-174.35	0.15	0.02	-11.91
7,559.00	0.87	165.66	7,477.06	-245.17	892.14	-175.61	0.14	0.14	-2.82
7,653.00	0.63	158.92	7,571.05	-246.35	892.50	-176.75	0.27	-0.26	-7.17
7,748.00	0.50	162.42	7,666.04	-247.23	892.82	-177.61	0.14	-0.14	3.68
7,843.00	0.30	191.40	7,761.04	-247.87	892.89	-178.24	0.29	-0.21	30.51
7,938.00	0.22	165.35	7,856.04	-248.29	892.89	-178.66	0.15	-0.08	-27.42
8,032.00	0.30	126.87	7,950.04	-248.61	893.13	-178.96	0.20	0.09	-40.94
8,127.00	0.31	115.28	8,045.04	-248.87	893.56	-179.18	0.07	0.01	-12.20
8,222.00	0.21	125.01	8,140.04	-249.08	893.94	-179.36	0.11	-0.11	10.24
8,317.00	0.29	142.49	8,235.04	-249.37	894.23	-179.63	0.12	0.08	18.40
8,411.00	0.17	203.70	8,329.03	-249.69	894.32	-179.94	0.27	-0.13	65.12
8,506.00	0.17	205.41	8,424.03	-249.94	894.20	-180.21	0.01	0.00	1.80
8,601.00	0.23	146.82	8,519.03	-250.23	894.24	-180.49	0.21	0.06	-61.67
8,696.00	0.12	102.17	8,614.03	-250.41	894.44	-180.65	0.18	-0.12	-47.00
8,790.00	0.12	68.79	8,708.03	-250.40	894.63	-180.62	0.07	0.00	-35.51
8,885.00	0.03	119.19	8,803.03	-250.37	894.75	-180.59	0.11	-0.09	53.05
8,980.00	0.00	6.16	8,898.03	-250.38	894.77	-180.60	0.03	-0.03	0.00



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,074.00	0.05	50.79	8,992.03	-250.36	894.80	-180.57	0.05	0.05	0.00
9,169.00	0.13	356.95	9,087.03	-250.22	894.83	-180.44	0.11	0.08	-56.67
9,264.00	0.29	357.53	9,182.03	-249.88	894.81	-180.09	0.17	0.17	0.61
9,358.00	0.17	354.01	9,276.03	-249.50	894.79	-179.72	0.13	-0.13	-3.74
9,452.00	0.26	0.70	9,370.03	-249.15	894.77	-179.37	0.10	0.10	7.12
9,547.00	0.20	350.78	9,465.03	-248.77	894.75	-178.99	0.08	-0.06	-10.44
9,598.00	0.24	35.64	9,516.03	-248.59	894.80	-178.81	0.34	0.08	87.96
9,641.00	0.40	85.79	9,559.03	-248.51	895.00	-178.71	0.72	0.37	116.63
9,736.00	0.45	99.78	9,654.03	-248.55	895.70	-178.70	0.12	0.05	14.73
9,831.00	1.19	55.61	9,749.02	-248.06	896.88	-178.12	0.97	0.78	-46.49
9,925.00	1.64	61.77	9,842.99	-246.87	898.87	-176.78	0.50	0.48	6.55
10,019.00	1.28	75.76	9,936.96	-245.97	901.07	-175.72	0.54	-0.38	14.88
10,114.00	0.93	82.32	10,031.94	-245.61	902.87	-175.22	0.39	-0.37	6.91
10,209.00	0.78	58.69	10,126.93	-245.17	904.18	-174.68	0.40	-0.16	-24.87
10,304.00	0.74	64.66	10,221.92	-244.57	905.29	-173.99	0.09	-0.04	6.28
10,398.00	0.67	70.13	10,315.91	-244.13	906.36	-173.47	0.10	-0.07	5.82
10,492.00	0.58	62.59	10,409.91	-243.72	907.29	-172.99	0.13	-0.10	-8.02
10,586.00	0.48	64.91	10,503.90	-243.33	908.07	-172.54	0.11	-0.11	2.47
10,681.00	0.55	48.95	10,598.90	-242.87	908.78	-172.02	0.17	0.07	-16.80
10,776.00	0.60	37.48	10,693.90	-242.17	909.42	-171.28	0.13	0.05	-12.07
10,870.00	0.66	87.86	10,787.89	-241.76	910.26	-170.81	0.57	0.06	53.60
10,965.00	0.84	104.09	10,882.88	-241.91	911.49	-170.86	0.29	0.19	17.08
11,059.00	0.95	107.79	10,976.87	-242.32	912.90	-171.16	0.13	0.12	3.94
11,154.00	0.79	102.71	11,071.86	-242.70	914.29	-171.43	0.19	-0.17	-5.35
11,248.00	0.52	119.47	11,165.85	-243.05	915.29	-171.71	0.35	-0.29	17.83
11,342.00	0.27	109.81	11,259.85	-243.34	915.87	-171.95	0.27	-0.27	-10.28
11,437.00	0.41	121.42	11,354.85	-243.59	916.37	-172.16	0.16	0.15	12.22
11,531.00	1.03	139.61	11,448.84	-244.41	917.20	-172.91	0.69	0.66	19.35
11,612.00	1.47	154.99	11,529.82	-245.91	918.12	-174.33	0.68	0.54	18.99
11,760.00	1.74	170.65	11,677.77	-249.84	919.28	-178.17	0.35	0.18	10.58
11,855.00	1.10	157.76	11,772.74	-252.11	919.86	-180.39	0.75	-0.67	-13.57
11,950.00	1.11	188.94	11,867.72	-253.86	920.06	-182.12	0.63	0.01	32.82
12,044.00	1.13	327.71	11,961.71	-253.98	919.43	-182.28	2.23	0.02	147.63
12,139.00	14.98	358.68	12,055.56	-240.85	918.64	-169.25	14.76	14.58	32.60
12,233.00	23.01	3.69	12,144.37	-210.32	919.54	-138.74	8.71	8.54	5.33
12,328.00	32.54	359.97	12,228.34	-166.13	920.73	-94.60	10.19	10.03	-3.92
12,422.00	42.44	358.78	12,302.83	-109.00	920.04	-37.69	10.56	10.53	-1.27
12,516.00	53.96	358.18	12,365.38	-39.07	918.15	31.89	12.26	12.26	-0.64
12,610.00	65.47	356.36	12,412.71	41.87	914.22	112.28	12.36	12.24	-1.94
12,704.00	78.27	359.10	12,441.90	130.94	910.76	200.82	13.89	13.62	2.91
12,799.00	88.92	0.62	12,452.48	225.20	910.55	294.79	11.32	11.21	1.60
12,894.00	91.28	1.07	12,452.32	320.19	911.95	389.60	2.53	2.48	0.47
12,989.00	91.07	2.82	12,450.37	415.11	915.17	484.48	1.85	-0.22	1.84



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,082.00	91.41	0.14	12,448.36	508.05	917.57	577.33	2.90	0.37	-2.88
13,177.00	90.91	0.38	12,446.43	603.03	918.00	672.06	0.58	-0.53	0.25
13,271.00	90.17	0.96	12,445.55	697.02	919.10	765.85	1.00	-0.79	0.62
13,365.00	89.63	2.10	12,445.71	790.98	921.61	859.73	1.34	-0.57	1.21
13,460.00	91.28	0.13	12,444.96	885.95	923.46	954.56	2.70	1.74	-2.07
13,555.00	90.87	0.82	12,443.17	980.93	924.25	1,049.32	0.84	-0.43	0.73
13,649.00	91.74	359.86	12,441.03	1,074.90	924.81	1,143.05	1.38	0.93	-1.02
13,743.00	91.54	0.52	12,438.34	1,168.86	925.12	1,236.76	0.73	-0.21	0.70
13,838.00	91.57	358.93	12,435.77	1,263.82	924.66	1,331.40	1.67	0.03	-1.67
13,933.00	91.30	358.29	12,433.39	1,358.76	922.36	1,425.88	0.73	-0.28	-0.67
14,028.00	90.84	357.40	12,431.61	1,453.68	918.79	1,520.24	1.05	-0.48	-0.94
14,122.00	90.00	357.86	12,430.92	1,547.60	914.90	1,613.57	1.02	-0.89	0.49
14,217.00	89.60	358.29	12,431.25	1,642.54	911.71	1,707.99	0.62	-0.42	0.45
14,312.00	91.14	359.79	12,430.64	1,737.52	910.12	1,802.56	2.26	1.62	1.58
14,406.00	90.50	0.58	12,429.30	1,831.51	910.42	1,896.29	1.08	-0.68	0.84
14,501.00	91.95	0.19	12,427.27	1,926.48	911.06	1,991.03	1.58	1.53	-0.41
14,595.00	92.25	0.56	12,423.82	2,020.42	911.67	2,084.74	0.51	0.32	0.39
14,690.00	92.19	359.16	12,420.14	2,115.34	911.44	2,179.36	1.47	-0.06	-1.47
14,785.00	90.60	358.48	12,417.83	2,210.29	909.48	2,273.87	1.82	-1.67	-0.72
14,879.00	90.77	358.82	12,416.70	2,304.26	907.27	2,367.39	0.40	0.18	0.36
14,973.00	90.84	359.99	12,415.38	2,398.24	906.29	2,461.02	1.25	0.07	1.24
15,068.00	91.07	0.36	12,413.80	2,493.23	906.58	2,555.74	0.46	0.24	0.39
15,163.00	91.18	0.29	12,411.93	2,588.21	907.12	2,650.48	0.14	0.12	-0.07
15,257.00	89.23	358.91	12,411.60	2,682.20	906.47	2,744.14	2.54	-2.07	-1.47
15,352.00	89.50	359.39	12,412.65	2,777.18	905.06	2,838.73	0.58	0.28	0.51
15,446.00	89.63	359.54	12,413.36	2,871.18	904.18	2,932.38	0.21	0.14	0.16
15,540.00	89.76	0.01	12,413.87	2,965.17	903.81	3,026.07	0.52	0.14	0.50
15,635.00	89.19	0.61	12,414.74	3,060.17	904.32	3,120.82	0.87	-0.60	0.63
15,729.00	89.06	358.68	12,416.17	3,154.15	903.74	3,214.48	2.06	-0.14	-2.05
15,824.00	90.57	359.25	12,416.48	3,249.13	902.03	3,309.04	1.70	1.59	0.60
15,918.00	91.68	359.41	12,414.63	3,343.10	900.93	3,402.65	1.19	1.18	0.17
16,012.00	92.31	359.28	12,411.36	3,437.04	899.85	3,496.22	0.68	0.67	-0.14
16,106.00	92.35	359.83	12,407.54	3,530.96	899.12	3,589.81	0.59	0.04	0.59
16,201.00	90.84	358.98	12,404.89	3,625.91	898.14	3,684.40	1.82	-1.59	-0.89
16,295.00	90.80	359.43	12,403.55	3,719.90	896.83	3,778.00	0.48	-0.04	0.48
16,390.00	91.18	359.31	12,401.91	3,814.88	895.79	3,872.62	0.42	0.40	-0.13
16,485.00	90.74	0.06	12,400.32	3,909.86	895.27	3,967.28	0.92	-0.46	0.79
16,580.00	90.30	359.37	12,399.45	4,004.85	894.79	4,061.95	0.86	-0.46	-0.73
16,674.00	90.57	359.91	12,398.74	4,098.85	894.20	4,155.62	0.64	0.29	0.57
16,769.00	89.83	359.90	12,398.41	4,193.85	894.05	4,250.33	0.78	-0.78	-0.01
16,863.00	89.33	358.91	12,399.10	4,287.84	893.07	4,343.96	1.18	-0.53	-1.05
16,957.00	89.56	358.87	12,400.01	4,381.82	891.25	4,437.52	0.25	0.24	-0.04
17,052.00	89.43	359.43	12,400.85	4,476.80	889.84	4,532.11	0.61	-0.14	0.59
17,146.00	89.53	358.59	12,401.70	4,570.78	888.22	4,625.69	0.90	0.11	-0.89



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,241.00	90.40	359.74	12,401.76	4,665.77	886.83	4,720.29	1.52	0.92	1.21
17,336.00	91.34	359.78	12,400.31	4,760.76	886.43	4,814.96	0.99	0.99	0.04
17,430.00	91.04	359.88	12,398.36	4,854.74	886.15	4,908.64	0.34	-0.32	0.11
17,525.00	91.04	0.90	12,396.64	4,949.72	886.80	5,003.38	1.07	0.00	1.07
17,620.00	90.37	0.05	12,395.47	5,044.71	887.59	5,098.15	1.14	-0.71	-0.89
17,715.00	90.03	356.89	12,395.14	5,139.66	885.05	5,192.63	3.35	-0.36	-3.33
17,810.00	90.54	357.41	12,394.66	5,234.54	880.33	5,286.86	0.77	0.54	0.55
17,904.00	91.00	358.14	12,393.40	5,328.46	876.68	5,380.22	0.92	0.49	0.78
17,999.00	92.24	357.40	12,390.72	5,423.35	872.99	5,474.54	1.52	1.31	-0.78
18,094.00	92.15	357.31	12,387.08	5,518.18	868.60	5,568.74	0.13	-0.09	-0.09
18,189.00	90.13	356.66	12,385.19	5,613.02	863.61	5,662.92	2.23	-2.13	-0.68
18,283.00	90.00	357.08	12,385.08	5,706.88	858.48	5,756.10	0.47	-0.14	0.45
18,378.00	89.83	355.99	12,385.22	5,801.70	852.73	5,850.20	1.16	-0.18	-1.15
18,473.00	90.61	356.07	12,384.86	5,896.48	846.16	5,944.18	0.83	0.82	0.08
18,567.00	90.60	355.84	12,383.86	5,990.24	839.53	6,037.15	0.24	-0.01	-0.24
18,662.00	91.14	357.38	12,382.42	6,085.06	833.91	6,131.26	1.72	0.57	1.62
18,756.00	90.84	0.23	12,380.80	6,179.01	831.95	6,224.78	3.05	-0.32	3.03
18,851.00	91.04	359.94	12,379.24	6,274.00	832.09	6,319.50	0.37	0.21	-0.31
18,945.00	91.85	359.89	12,376.87	6,367.97	831.95	6,413.17	0.86	0.86	-0.05
19,019.00	91.78	0.41	12,374.52	6,441.93	832.15	6,486.93	0.71	-0.09	0.70
19,114.00	90.30	359.12	12,372.80	6,536.91	831.76	6,581.60	2.07	-1.56	-1.36
19,209.00	89.90	358.25	12,372.63	6,631.88	829.58	6,676.12	1.01	-0.42	-0.92
19,304.00	90.07	358.56	12,372.66	6,726.85	826.93	6,770.60	0.37	0.18	0.33
19,398.00	90.74	358.73	12,371.99	6,820.82	824.71	6,864.11	0.74	0.71	0.18
19,493.00	91.28	358.52	12,370.32	6,915.77	822.43	6,958.61	0.61	0.57	-0.22
19,588.00	91.01	358.53	12,368.42	7,010.72	819.98	7,053.09	0.28	-0.28	0.01
19,683.00	90.50	358.55	12,367.17	7,105.68	817.56	7,147.58	0.54	-0.54	0.02
19,777.00	90.30	359.36	12,366.51	7,199.67	815.85	7,241.15	0.89	-0.21	0.86
19,872.00	90.17	359.68	12,366.12	7,294.66	815.05	7,335.80	0.36	-0.14	0.34
19,967.00	90.03	359.98	12,365.96	7,389.66	814.77	7,430.50	0.35	-0.15	0.32
20,061.00	89.80	359.70	12,366.10	7,483.66	814.51	7,524.20	0.39	-0.24	-0.30
20,156.00	89.60	358.02	12,366.60	7,578.64	812.62	7,618.74	1.78	-0.21	-1.77
20,251.00	90.50	358.86	12,366.51	7,673.60	810.03	7,713.22	1.30	0.95	0.88
20,345.00	90.50	359.49	12,365.69	7,767.59	808.68	7,806.82	0.67	0.00	0.67
20,439.00	89.90	358.58	12,365.36	7,861.57	807.10	7,900.41	1.16	-0.64	-0.97
20,534.00	89.50	359.05	12,365.86	7,956.55	805.13	7,994.95	0.65	-0.42	0.49
20,628.00	90.07	0.26	12,366.21	8,050.54	804.57	8,088.62	1.42	0.61	1.29
20,723.00	90.40	359.63	12,365.82	8,145.54	804.48	8,183.33	0.75	0.35	-0.66
20,817.00	90.81	359.80	12,364.83	8,239.54	804.01	8,277.01	0.47	0.44	0.18
20,912.00	91.01	0.57	12,363.32	8,334.52	804.31	8,371.73	0.84	0.21	0.81
21,006.00	91.27	1.09	12,361.45	8,428.49	805.68	8,465.53	0.62	0.28	0.55
21,101.00	91.21	1.62	12,359.40	8,523.44	807.92	8,560.37	0.56	-0.06	0.56
21,196.00	91.38	0.48	12,357.25	8,618.40	809.66	8,655.18	1.21	0.18	-1.20



Scientific Drilling, Intl

Survey Report

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
21,291.00	91.61	0.26	12,354.77	8,713.37	810.28	8,749.91	0.33	0.24	-0.23	
21,385.00	91.98	359.48	12,351.83	8,807.32	810.06	8,843.57	0.92	0.39	-0.83	
21,479.00	91.88	359.84	12,348.66	8,901.27	809.51	8,937.19	0.40	-0.11	0.38	
21,573.00	90.34	1.02	12,346.84	8,995.24	810.21	9,030.94	2.06	-1.64	1.26	
21,668.00	90.07	0.76	12,346.50	9,090.23	811.69	9,125.76	0.39	-0.28	-0.27	
21,762.00	90.27	1.52	12,346.22	9,184.21	813.56	9,219.60	0.84	0.21	0.81	
21,857.00	90.54	1.73	12,345.55	9,279.17	816.25	9,314.49	0.36	0.28	0.22	
21,952.00	90.13	1.42	12,344.99	9,374.13	818.86	9,409.37	0.54	-0.43	-0.33	
22,046.00	89.36	1.92	12,345.41	9,468.09	821.60	9,503.26	0.98	-0.82	0.53	
22,141.00	89.60	0.22	12,346.27	9,563.06	823.37	9,598.09	1.81	0.25	-1.79	
22,235.00	91.84	1.04	12,345.09	9,657.04	824.41	9,691.86	2.54	2.38	0.87	
22,329.00	92.04	0.72	12,341.91	9,750.98	825.85	9,785.63	0.40	0.21	-0.34	
22,423.00	92.31	0.63	12,338.34	9,844.90	826.96	9,879.36	0.30	0.29	-0.10	
22,518.00	89.77	359.70	12,336.62	9,939.88	827.23	9,974.08	2.85	-2.67	-0.98	
22,613.00	89.40	0.36	12,337.31	10,034.88	827.28	10,068.79	0.80	-0.39	0.69	
22,707.00	88.12	359.72	12,339.34	10,128.85	827.35	10,162.49	1.52	-1.36	-0.68	
Last Svy 22707 MD										
22,855.00	88.12	359.72	12,344.20	10,276.77	826.62	10,309.91	0.00	0.00	0.00	
PTB 22855 MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
22,707.00	12,339.34	10,128.85	827.35	Last Svy 22707 MD	
22,855.00	12,344.20	10,276.77	826.62	PTB 22855 MD	

Checked By: _____ Approved By: _____ Date: _____



Devon Energy

Lea County, NM (NAD83 NME)

Blue Krait 23-14 Fed

#36H

OH

Design: As Drilled

Survey Report - Geographic

24 March, 2020



www.scientificdrilling.com





Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

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

Site		Blue Krait 23-14 Fed			
Site Position:		Northing:	436,115.47 usft	Latitude:	32.196523
From:	Map	Easting:	784,117.18 usft	Longitude:	-103.548475
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	#36H					
Well Position	+N/-S	0.00 usft	Northing:	436,115.69 usft	Latitude:	32.196523
	+E/-W	0.00 usft	Easting:	784,147.18 usft	Longitude:	-103.548378
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,556.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	1/14/2020	6.57	59.83	47,812.80000000

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	4.43	

Survey Program	Date	3/24/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
175.00	22,855.00	SDI Survey #1 (OH)	MWD+IFR1	MWD + IFR1	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	436,115.69	784,147.18	32.196523	-103.548378
175.00	0.29	108.60	175.00	-0.14	0.42	436,115.55	784,147.60	32.196523	-103.548377
205.00	0.33	132.68	205.00	-0.22	0.56	436,115.47	784,147.73	32.196522	-103.548376
266.00	0.30	157.60	266.00	-0.49	0.75	436,115.20	784,147.92	32.196522	-103.548376
358.00	0.85	133.56	357.99	-1.18	1.33	436,114.51	784,148.51	32.196520	-103.548374
450.00	0.89	146.96	449.98	-2.25	2.22	436,113.44	784,149.39	32.196517	-103.548371
542.00	0.97	147.58	541.97	-3.51	3.02	436,112.18	784,150.20	32.196513	-103.548369
634.00	0.95	157.65	633.96	-4.87	3.73	436,110.82	784,150.91	32.196510	-103.548366
754.00	0.41	154.05	753.95	-6.18	4.30	436,109.51	784,151.47	32.196506	-103.548364
845.00	0.60	129.05	844.95	-6.77	4.81	436,108.92	784,151.99	32.196504	-103.548363
936.00	0.53	124.87	935.94	-7.31	5.52	436,108.38	784,152.70	32.196503	-103.548361
997.00	0.45	126.76	996.94	-7.62	5.95	436,108.07	784,153.12	32.196502	-103.548359



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,087.00	0.87	131.23	1,086.93	-8.28	6.74	436,107.41	784,153.92	32.196500	-103.548357
1,179.00	0.65	145.00	1,178.92	-9.17	7.57	436,106.52	784,154.75	32.196498	-103.548354
1,227.00	0.65	118.56	1,226.92	-9.52	7.96	436,106.17	784,155.14	32.196497	-103.548353
1,368.00	0.07	71.70	1,367.92	-9.87	8.75	436,105.82	784,155.93	32.196496	-103.548350
1,418.00	0.12	328.87	1,417.92	-9.82	8.75	436,105.87	784,155.93	32.196496	-103.548350
1,512.00	0.50	81.13	1,511.92	-9.67	9.10	436,106.02	784,156.28	32.196496	-103.548349
1,606.00	1.90	103.68	1,605.89	-9.98	11.02	436,105.71	784,158.20	32.196495	-103.548343
1,701.00	3.46	103.80	1,700.79	-11.03	15.34	436,104.66	784,162.52	32.196492	-103.548329
1,795.00	4.96	109.32	1,794.53	-13.06	21.93	436,102.63	784,169.11	32.196487	-103.548308
1,890.00	6.45	107.78	1,889.06	-16.04	30.89	436,099.65	784,178.06	32.196478	-103.548279
1,983.00	7.80	109.64	1,981.34	-19.76	41.80	436,095.93	784,188.98	32.196468	-103.548244
2,078.00	9.48	108.32	2,075.26	-24.39	55.30	436,091.30	784,202.48	32.196455	-103.548200
2,173.00	10.79	106.67	2,168.77	-29.40	71.25	436,086.29	784,218.43	32.196441	-103.548149
2,267.00	10.92	105.93	2,261.09	-34.36	88.24	436,081.33	784,235.42	32.196427	-103.548094
2,360.00	10.72	105.63	2,352.44	-39.11	105.04	436,076.58	784,252.22	32.196413	-103.548040
2,455.00	10.52	104.85	2,445.81	-43.72	121.93	436,071.98	784,269.11	32.196400	-103.547985
2,549.00	10.42	103.73	2,538.25	-47.93	138.48	436,067.76	784,285.66	32.196389	-103.547932
2,644.00	10.09	102.44	2,631.73	-51.76	154.96	436,063.93	784,302.13	32.196378	-103.547879
2,738.00	9.86	102.31	2,724.31	-55.25	170.86	436,060.44	784,318.03	32.196368	-103.547827
2,833.00	9.84	101.08	2,817.91	-58.55	186.77	436,057.14	784,333.95	32.196358	-103.547776
2,928.00	10.22	101.87	2,911.45	-61.84	202.99	436,053.85	784,350.16	32.196349	-103.547724
3,022.00	10.36	102.95	3,003.94	-65.45	219.39	436,050.24	784,366.56	32.196339	-103.547671
3,116.00	10.26	101.65	3,096.42	-69.04	235.82	436,046.66	784,382.99	32.196329	-103.547618
3,210.00	9.65	101.08	3,189.01	-72.24	251.75	436,043.45	784,398.92	32.196319	-103.547566
3,305.00	9.95	102.01	3,282.62	-75.48	267.59	436,040.21	784,414.77	32.196310	-103.547515
3,399.00	10.59	106.85	3,375.12	-79.67	283.81	436,036.02	784,430.98	32.196298	-103.547463
3,495.00	10.47	106.60	3,469.50	-84.72	300.61	436,030.97	784,447.78	32.196284	-103.547408
3,588.00	10.41	106.20	3,560.96	-89.48	316.77	436,026.21	784,463.94	32.196271	-103.547356
3,684.00	10.18	106.65	3,655.42	-94.33	333.23	436,021.36	784,480.40	32.196257	-103.547303
3,778.00	10.62	109.65	3,747.87	-99.62	349.35	436,016.07	784,496.52	32.196242	-103.547251
3,873.00	11.11	111.22	3,841.17	-105.88	366.12	436,009.81	784,513.29	32.196225	-103.547197
3,967.00	11.76	111.30	3,933.30	-112.64	383.49	436,003.06	784,530.66	32.196206	-103.547141
4,062.00	11.37	111.65	4,026.37	-119.61	401.21	435,996.08	784,548.38	32.196186	-103.547084
4,156.00	10.20	111.06	4,118.71	-126.02	417.59	435,989.67	784,564.76	32.196168	-103.547031
4,251.00	10.33	108.82	4,212.19	-131.79	433.51	435,983.90	784,580.67	32.196152	-103.546980
4,346.00	10.06	108.13	4,305.69	-137.12	449.45	435,978.57	784,596.62	32.196137	-103.546929
4,440.00	10.06	104.87	4,398.25	-141.78	465.19	435,973.91	784,612.36	32.196124	-103.546878
4,473.00	10.75	105.22	4,430.70	-143.33	470.95	435,972.37	784,618.11	32.196120	-103.546859
4,629.00	11.76	104.14	4,583.70	-151.03	500.40	435,964.66	784,647.57	32.196098	-103.546764
4,724.00	10.98	103.68	4,676.84	-155.54	518.58	435,960.16	784,665.75	32.196085	-103.546706
4,818.00	11.05	105.69	4,769.11	-160.09	535.95	435,955.60	784,683.12	32.196072	-103.546650
4,913.00	11.57	106.83	4,862.26	-165.31	553.83	435,950.38	784,701.00	32.196058	-103.546592
5,008.00	11.92	110.07	4,955.27	-171.43	572.17	435,944.26	784,719.33	32.196040	-103.546533
5,103.00	11.41	102.35	5,048.32	-176.81	590.56	435,938.88	784,737.73	32.196025	-103.546473
5,197.00	10.41	99.74	5,140.62	-180.24	608.02	435,935.46	784,755.18	32.196015	-103.546417
5,292.00	10.05	101.91	5,234.11	-183.40	624.59	435,932.29	784,771.75	32.196006	-103.546364
5,387.00	9.98	103.89	5,327.66	-187.09	640.69	435,928.61	784,787.85	32.195996	-103.546312
5,482.00	11.23	100.90	5,421.04	-190.81	657.77	435,924.88	784,804.93	32.195985	-103.546257
5,575.00	11.88	102.57	5,512.15	-194.61	676.00	435,921.09	784,823.16	32.195975	-103.546198
5,669.00	11.97	102.41	5,604.12	-198.81	694.96	435,916.89	784,842.13	32.195963	-103.546136
5,763.00	11.97	101.42	5,696.08	-202.83	714.04	435,912.86	784,861.20	32.195951	-103.546075
5,858.00	11.70	101.11	5,789.06	-206.64	733.15	435,909.05	784,880.31	32.195940	-103.546013
5,953.00	11.37	100.62	5,882.14	-210.22	751.80	435,905.47	784,898.96	32.195930	-103.545953
6,047.00	11.38	101.22	5,974.29	-213.73	770.01	435,901.96	784,917.17	32.195920	-103.545894
6,142.00	11.02	101.37	6,067.48	-217.35	788.10	435,898.35	784,935.26	32.195910	-103.545836



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,237.00	10.05	100.53	6,160.88	-220.65	805.15	435,895.04	784,952.31	32.195900	-103.545781
6,330.00	9.61	101.44	6,252.52	-223.68	820.74	435,892.02	784,967.90	32.195892	-103.545730
6,425.00	8.91	101.55	6,346.28	-226.72	835.72	435,888.97	784,982.88	32.195883	-103.545682
6,519.00	8.20	98.73	6,439.23	-229.20	849.48	435,886.50	784,996.64	32.195876	-103.545638
6,613.00	6.97	100.95	6,532.41	-231.30	861.70	435,884.40	785,008.86	32.195870	-103.545598
6,708.00	5.99	100.97	6,626.80	-233.34	872.23	435,882.36	785,019.39	32.195864	-103.545564
6,803.00	4.52	100.39	6,721.40	-234.95	880.78	435,880.74	785,027.94	32.195860	-103.545537
6,897.00	2.99	107.73	6,815.19	-236.37	886.76	435,879.33	785,033.91	32.195856	-103.545517
6,992.00	1.69	124.16	6,910.11	-237.91	890.28	435,877.79	785,037.43	32.195851	-103.545506
7,087.00	0.69	175.25	7,005.09	-239.27	891.48	435,876.43	785,038.64	32.195848	-103.545502
7,181.00	0.57	177.05	7,099.09	-240.30	891.55	435,875.40	785,038.71	32.195845	-103.545502
7,275.00	0.81	174.41	7,193.08	-241.43	891.64	435,874.27	785,038.80	32.195842	-103.545502
7,370.00	0.72	179.62	7,288.07	-242.69	891.71	435,873.00	785,038.87	32.195838	-103.545502
7,465.00	0.74	168.31	7,383.06	-243.89	891.84	435,871.81	785,039.00	32.195835	-103.545501
7,559.00	0.87	165.66	7,477.06	-245.17	892.14	435,870.52	785,039.30	32.195831	-103.545500
7,653.00	0.63	158.92	7,571.05	-246.35	892.50	435,869.35	785,039.66	32.195828	-103.545499
7,748.00	0.50	162.42	7,666.04	-247.23	892.82	435,868.47	785,039.97	32.195826	-103.545498
7,843.00	0.30	191.40	7,761.04	-247.87	892.89	435,867.83	785,040.05	32.195824	-103.545498
7,938.00	0.22	165.35	7,856.04	-248.29	892.89	435,867.41	785,040.05	32.195823	-103.545498
8,032.00	0.30	126.87	7,950.04	-248.61	893.13	435,867.08	785,040.29	32.195822	-103.545497
8,127.00	0.31	115.28	8,045.04	-248.87	893.56	435,866.82	785,040.72	32.195821	-103.545496
8,222.00	0.21	125.01	8,140.04	-249.08	893.94	435,866.62	785,041.10	32.195820	-103.545494
8,317.00	0.29	142.49	8,235.04	-249.37	894.23	435,866.32	785,041.38	32.195820	-103.545494
8,411.00	0.17	203.70	8,329.03	-249.69	894.32	435,866.01	785,041.47	32.195819	-103.545493
8,506.00	0.17	205.41	8,424.03	-249.94	894.20	435,865.75	785,041.36	32.195818	-103.545494
8,601.00	0.23	146.82	8,519.03	-250.23	894.24	435,865.47	785,041.40	32.195817	-103.545494
8,696.00	0.12	102.17	8,614.03	-250.41	894.44	435,865.28	785,041.60	32.195817	-103.545493
8,790.00	0.12	68.79	8,708.03	-250.40	894.63	435,865.30	785,041.79	32.195817	-103.545492
8,885.00	0.03	119.19	8,803.03	-250.37	894.75	435,865.32	785,041.90	32.195817	-103.545492
8,980.00	0.00	6.16	8,898.03	-250.38	894.77	435,865.31	785,041.93	32.195817	-103.545492
9,074.00	0.05	50.79	8,992.03	-250.36	894.80	435,865.34	785,041.96	32.195817	-103.545492
9,169.00	0.13	356.95	9,087.03	-250.22	894.83	435,865.47	785,041.98	32.195817	-103.545492
9,264.00	0.29	357.53	9,182.03	-249.88	894.81	435,865.82	785,041.97	32.195818	-103.545492
9,358.00	0.17	354.01	9,276.03	-249.50	894.79	435,866.20	785,041.94	32.195819	-103.545492
9,452.00	0.26	0.70	9,370.03	-249.15	894.77	435,866.55	785,041.93	32.195820	-103.545492
9,547.00	0.20	350.78	9,465.03	-248.77	894.75	435,866.93	785,041.91	32.195821	-103.545492
9,598.00	0.24	35.64	9,516.03	-248.59	894.80	435,867.10	785,041.95	32.195822	-103.545492
9,641.00	0.40	85.79	9,559.03	-248.51	895.00	435,867.19	785,042.16	32.195822	-103.545491
9,736.00	0.45	99.78	9,654.03	-248.55	895.70	435,867.15	785,042.86	32.195822	-103.545489
9,831.00	1.19	55.61	9,749.02	-248.06	896.88	435,867.64	785,044.04	32.195823	-103.545485
9,925.00	1.64	61.77	9,842.99	-246.87	898.87	435,868.83	785,046.03	32.195826	-103.545478
10,019.00	1.28	75.76	9,936.96	-245.97	901.07	435,869.72	785,048.23	32.195829	-103.545471
10,114.00	0.93	82.32	10,031.94	-245.61	902.87	435,870.09	785,050.02	32.195830	-103.545466
10,209.00	0.78	58.69	10,126.93	-245.17	904.18	435,870.53	785,051.34	32.195831	-103.545461
10,304.00	0.74	64.66	10,221.92	-244.57	905.29	435,871.12	785,052.45	32.195833	-103.545458
10,398.00	0.67	70.13	10,315.91	-244.13	906.36	435,871.57	785,053.51	32.195834	-103.545454
10,492.00	0.58	62.59	10,409.91	-243.72	907.29	435,871.98	785,054.45	32.195835	-103.545451
10,586.00	0.48	64.91	10,503.90	-243.33	908.07	435,872.36	785,055.23	32.195836	-103.545449
10,681.00	0.55	48.95	10,598.90	-242.87	908.78	435,872.83	785,055.93	32.195837	-103.545446
10,776.00	0.60	37.48	10,693.90	-242.17	909.42	435,873.52	785,056.58	32.195839	-103.545444
10,870.00	0.66	87.86	10,787.89	-241.76	910.26	435,873.94	785,057.42	32.195840	-103.545442
10,965.00	0.84	104.09	10,882.88	-241.91	911.49	435,873.79	785,058.64	32.195840	-103.545438
11,059.00	0.95	107.79	10,976.87	-242.32	912.90	435,873.38	785,060.05	32.195839	-103.545433
11,154.00	0.79	102.71	11,071.86	-242.70	914.29	435,873.00	785,061.44	32.195838	-103.545429
11,248.00	0.52	119.47	11,165.85	-243.05	915.29	435,872.64	785,062.45	32.195837	-103.545425



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,342.00	0.27	109.81	11,259.85	-243.34	915.87	435,872.36	785,063.03	32.195836	-103.545423
11,437.00	0.41	121.42	11,354.85	-243.59	916.37	435,872.11	785,063.53	32.195835	-103.545422
11,531.00	1.03	139.61	11,448.84	-244.41	917.20	435,871.29	785,064.36	32.195833	-103.545419
11,612.00	1.47	154.99	11,529.82	-245.91	918.12	435,869.79	785,065.27	32.195829	-103.545416
11,760.00	1.74	170.65	11,677.77	-249.84	919.28	435,865.85	785,066.44	32.195818	-103.545413
11,855.00	1.10	157.76	11,772.74	-252.11	919.86	435,863.59	785,067.02	32.195812	-103.545411
11,950.00	1.11	188.94	11,867.72	-253.86	920.06	435,861.83	785,067.22	32.195807	-103.545410
12,044.00	1.13	327.71	11,961.71	-253.98	919.43	435,861.72	785,066.58	32.195807	-103.545412
12,139.00	14.98	358.68	12,055.56	-240.85	918.64	435,874.85	785,065.80	32.195843	-103.545414
12,233.00	23.01	3.69	12,144.37	-210.32	919.54	435,905.38	785,066.70	32.195927	-103.545411
12,328.00	32.54	359.97	12,228.34	-166.13	920.73	435,949.56	785,067.89	32.196048	-103.545406
12,422.00	42.44	358.78	12,302.83	-109.00	920.04	436,006.69	785,067.19	32.196205	-103.545407
12,516.00	53.96	358.18	12,365.38	-39.07	918.15	436,076.62	785,065.31	32.196397	-103.545411
12,610.00	65.47	356.36	12,412.71	41.87	914.22	436,157.56	785,061.37	32.196620	-103.545422
12,704.00	78.27	359.10	12,441.90	130.94	910.76	436,246.62	785,057.92	32.196865	-103.545431
12,799.00	88.92	0.62	12,452.48	225.20	910.55	436,340.89	785,057.70	32.197124	-103.545430
12,894.00	91.28	1.07	12,452.32	320.19	911.95	436,435.87	785,059.10	32.197385	-103.545423
12,989.00	91.07	2.82	12,450.37	415.11	915.17	436,530.79	785,062.33	32.197646	-103.545410
13,082.00	91.41	0.14	12,448.36	508.05	917.57	436,623.73	785,064.73	32.197901	-103.545400
13,177.00	90.91	0.38	12,446.43	603.03	918.00	436,718.70	785,065.16	32.198162	-103.545397
13,271.00	90.17	0.96	12,445.55	697.02	919.10	436,812.69	785,066.26	32.198420	-103.545391
13,365.00	89.63	2.10	12,445.71	790.98	921.61	436,906.65	785,068.77	32.198679	-103.545380
13,460.00	91.28	0.13	12,444.96	885.95	923.46	437,001.62	785,070.62	32.198940	-103.545372
13,555.00	90.87	0.82	12,443.17	980.93	924.25	437,096.60	785,071.40	32.199201	-103.545367
13,649.00	91.74	359.86	12,441.03	1,074.90	924.81	437,190.57	785,071.96	32.199459	-103.545363
13,743.00	91.54	0.52	12,438.34	1,168.86	925.12	437,284.52	785,072.27	32.199717	-103.545360
13,838.00	91.57	358.93	12,435.77	1,263.82	924.66	437,379.48	785,071.82	32.199978	-103.545359
13,933.00	91.30	358.29	12,433.39	1,358.76	922.36	437,474.42	785,069.51	32.200239	-103.545365
14,028.00	90.84	357.40	12,431.61	1,453.68	918.79	437,569.34	785,065.94	32.200500	-103.545374
14,122.00	90.00	357.86	12,430.92	1,547.60	914.90	437,663.25	785,062.05	32.200758	-103.545384
14,217.00	89.60	358.29	12,431.25	1,642.54	911.71	437,758.19	785,058.86	32.201019	-103.545392
14,312.00	91.14	359.79	12,430.64	1,737.52	910.12	437,853.17	785,057.27	32.201281	-103.545395
14,406.00	90.50	0.58	12,429.30	1,831.51	910.42	437,947.16	785,057.58	32.201539	-103.545392
14,501.00	91.95	0.19	12,427.27	1,926.48	911.06	438,042.13	785,058.21	32.201800	-103.545388
14,595.00	92.25	0.56	12,423.82	2,020.42	911.67	438,136.06	785,058.83	32.202058	-103.545383
14,690.00	92.19	359.16	12,420.14	2,115.34	911.44	438,230.98	785,058.60	32.202319	-103.545382
14,785.00	90.60	358.48	12,417.83	2,210.29	909.48	438,325.93	785,056.64	32.202580	-103.545386
14,879.00	90.77	358.82	12,416.70	2,304.26	907.27	438,419.89	785,054.43	32.202838	-103.545391
14,973.00	90.84	359.99	12,415.38	2,398.24	906.29	438,513.88	785,053.45	32.203097	-103.545392
15,068.00	91.07	0.36	12,413.80	2,493.23	906.58	438,608.86	785,053.74	32.203358	-103.545389
15,163.00	91.18	0.29	12,411.93	2,588.21	907.12	438,703.84	785,054.28	32.203619	-103.545385
15,257.00	89.23	358.91	12,411.60	2,682.20	906.47	438,797.83	785,053.62	32.203877	-103.545385
15,352.00	89.50	359.39	12,412.65	2,777.18	905.06	438,892.81	785,052.21	32.204138	-103.545387
15,446.00	89.63	359.54	12,413.36	2,871.18	904.18	438,986.80	785,051.34	32.204397	-103.545387
15,540.00	89.76	0.01	12,413.87	2,965.17	903.81	439,080.79	785,050.97	32.204655	-103.545386
15,635.00	89.19	0.61	12,414.74	3,060.17	904.32	439,175.78	785,051.48	32.204916	-103.545383
15,729.00	89.06	358.68	12,416.17	3,154.15	903.74	439,269.77	785,050.90	32.205174	-103.545382
15,824.00	90.57	359.25	12,416.48	3,249.13	902.03	439,364.74	785,049.18	32.205435	-103.545385
15,918.00	91.68	359.41	12,414.63	3,343.10	900.93	439,458.72	785,048.08	32.205694	-103.545387
16,012.00	92.31	359.28	12,411.36	3,437.04	899.85	439,552.65	785,047.01	32.205952	-103.545388
16,106.00	92.35	359.83	12,407.54	3,530.96	899.12	439,646.57	785,046.28	32.206210	-103.545388
16,201.00	90.84	358.98	12,404.89	3,625.91	898.14	439,741.52	785,045.29	32.206471	-103.545389
16,295.00	90.80	359.43	12,403.55	3,719.90	896.83	439,835.50	785,043.99	32.206730	-103.545391
16,390.00	91.18	359.31	12,401.91	3,814.88	895.79	439,930.48	785,042.95	32.206991	-103.545392
16,485.00	90.74	0.06	12,400.32	3,909.86	895.27	440,025.46	785,042.42	32.207252	-103.545392



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krair 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,580.00	90.30	359.37	12,399.45	4,004.85	894.79	440,120.45	785,041.95	32.207513	-103.545391
16,674.00	90.57	359.91	12,398.74	4,098.85	894.20	440,214.44	785,041.36	32.207771	-103.545391
16,769.00	89.83	359.90	12,398.41	4,193.85	894.05	440,309.44	785,041.20	32.208032	-103.545389
16,863.00	89.33	358.91	12,399.10	4,287.84	893.07	440,403.43	785,040.23	32.208291	-103.545390
16,957.00	89.56	358.87	12,400.01	4,381.82	891.25	440,497.40	785,038.41	32.208549	-103.545393
17,052.00	89.43	359.43	12,400.85	4,476.80	889.84	440,592.39	785,037.00	32.208810	-103.545396
17,146.00	89.53	358.59	12,401.70	4,570.78	888.22	440,686.37	785,035.37	32.209068	-103.545399
17,241.00	90.40	359.74	12,401.76	4,665.77	886.83	440,781.35	785,033.99	32.209330	-103.545401
17,336.00	91.34	359.78	12,400.31	4,760.76	886.43	440,876.34	785,033.59	32.209591	-103.545400
17,430.00	91.04	359.88	12,398.36	4,854.74	886.15	440,970.31	785,033.31	32.209849	-103.545399
17,525.00	91.04	0.90	12,396.64	4,949.72	886.80	441,065.29	785,033.96	32.210110	-103.545394
17,620.00	90.37	0.05	12,395.47	5,044.71	887.59	441,160.28	785,034.75	32.210371	-103.545390
17,715.00	90.03	356.89	12,395.14	5,139.66	885.05	441,255.23	785,032.21	32.210632	-103.545396
17,810.00	90.54	357.41	12,394.66	5,234.54	880.33	441,350.11	785,027.49	32.210893	-103.545409
17,904.00	91.00	358.14	12,393.40	5,328.46	876.68	441,444.02	785,023.84	32.211151	-103.545418
17,999.00	92.24	357.40	12,390.72	5,423.35	872.99	441,538.91	785,020.14	32.211412	-103.545428
18,094.00	92.15	357.31	12,387.08	5,518.18	868.60	441,633.74	785,015.76	32.211673	-103.545440
18,189.00	90.13	356.66	12,385.19	5,613.02	863.61	441,728.58	785,010.77	32.211934	-103.545454
18,283.00	90.00	357.08	12,385.08	5,706.88	858.48	441,822.44	785,005.63	32.212192	-103.545468
18,378.00	89.83	355.99	12,385.22	5,801.70	852.73	441,917.26	784,999.89	32.212452	-103.545484
18,473.00	90.61	356.07	12,384.86	5,896.48	846.16	442,012.03	784,993.32	32.212713	-103.545503
18,567.00	90.60	355.84	12,383.86	5,990.24	839.53	442,105.79	784,986.69	32.212971	-103.545523
18,662.00	91.14	357.38	12,382.42	6,085.06	833.91	442,200.60	784,981.07	32.213232	-103.545538
18,756.00	90.84	0.23	12,380.80	6,179.01	831.95	442,294.56	784,979.11	32.213490	-103.545543
18,851.00	91.04	359.94	12,379.24	6,274.00	832.09	442,389.54	784,979.25	32.213751	-103.545540
18,945.00	91.85	359.89	12,376.87	6,367.97	831.95	442,483.51	784,979.11	32.214009	-103.545538
19,019.00	91.78	0.41	12,374.52	6,441.93	832.15	442,557.47	784,979.30	32.214213	-103.545536
19,114.00	90.30	359.12	12,372.80	6,536.91	831.76	442,652.45	784,978.91	32.214474	-103.545535
19,209.00	89.90	358.25	12,372.63	6,631.88	829.58	442,747.42	784,976.73	32.214735	-103.545540
19,304.00	90.07	358.56	12,372.66	6,726.85	826.93	442,842.38	784,974.09	32.214996	-103.545546
19,398.00	90.74	358.73	12,371.99	6,820.82	824.71	442,936.35	784,971.87	32.215254	-103.545551
19,493.00	91.28	358.52	12,370.32	6,915.77	822.43	443,031.30	784,969.59	32.215515	-103.545556
19,588.00	91.01	358.53	12,368.42	7,010.72	819.98	443,126.25	784,967.14	32.215776	-103.545562
19,683.00	90.50	358.55	12,367.17	7,105.68	817.56	443,221.21	784,964.72	32.216037	-103.545567
19,777.00	90.30	359.36	12,366.51	7,199.67	815.85	443,315.19	784,963.01	32.216296	-103.545570
19,872.00	90.17	359.68	12,366.12	7,294.66	815.05	443,410.18	784,962.21	32.216557	-103.545571
19,967.00	90.03	359.98	12,365.96	7,389.66	814.77	443,505.18	784,961.93	32.216818	-103.545569
20,061.00	89.80	359.70	12,366.10	7,483.66	814.51	443,599.17	784,961.67	32.217076	-103.545568
20,156.00	89.60	358.02	12,366.60	7,578.64	812.62	443,694.15	784,959.78	32.217337	-103.545572
20,251.00	90.50	358.86	12,366.51	7,673.60	810.03	443,789.11	784,957.19	32.217598	-103.545578
20,345.00	90.50	359.49	12,365.69	7,767.59	808.68	443,883.09	784,955.84	32.217857	-103.545580
20,439.00	89.90	358.58	12,365.36	7,861.57	807.10	443,977.08	784,954.26	32.218115	-103.545583
20,534.00	89.50	359.05	12,365.86	7,956.55	805.13	444,072.05	784,952.29	32.218376	-103.545587
20,628.00	90.07	0.26	12,366.21	8,050.54	804.57	444,166.04	784,951.73	32.218635	-103.545587
20,723.00	90.40	359.63	12,365.82	8,145.54	804.48	444,261.04	784,951.63	32.218896	-103.545585
20,817.00	90.81	359.80	12,364.83	8,239.54	804.01	444,355.03	784,951.17	32.219154	-103.545584
20,912.00	91.01	0.57	12,363.32	8,334.52	804.31	444,450.02	784,951.47	32.219415	-103.545581
21,006.00	91.27	1.09	12,361.45	8,428.49	805.68	444,543.99	784,952.83	32.219673	-103.545574
21,101.00	91.21	1.62	12,359.40	8,523.44	807.92	444,638.93	784,955.08	32.219934	-103.545565
21,196.00	91.38	0.48	12,357.25	8,618.40	809.66	444,733.89	784,956.82	32.220195	-103.545557
21,291.00	91.61	0.26	12,354.77	8,713.37	810.28	444,828.85	784,957.43	32.220456	-103.545553
21,385.00	91.98	359.48	12,351.83	8,807.32	810.06	444,922.80	784,957.22	32.220715	-103.545551
21,479.00	91.88	359.84	12,348.66	8,901.27	809.51	445,016.75	784,956.66	32.220973	-103.545551
21,573.00	90.34	1.02	12,346.84	8,995.24	810.21	445,110.72	784,957.37	32.221231	-103.545546
21,668.00	90.07	0.76	12,346.50	9,090.23	811.69	445,205.71	784,958.84	32.221492	-103.545539



Scientific Drilling, Intl

Survey Report - Geographic

Company:	Devon Energy	Local Co-ordinate Reference:	Well #36H
Project:	Lea County, NM (NAD83 NME)	TVD Reference:	KB =25' @ 3581.00usft
Site:	Blue Krait 23-14 Fed	MD Reference:	KB =25' @ 3581.00usft
Well:	#36H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
21,762.00	90.27	1.52	12,346.22	9,184.21	813.56	445,299.68	784,960.71	32.221750	-103.545531
21,857.00	90.54	1.73	12,345.55	9,279.17	816.25	445,394.64	784,963.41	32.222011	-103.545520
21,952.00	90.13	1.42	12,344.99	9,374.13	818.86	445,489.60	784,966.02	32.222272	-103.545509
22,046.00	89.36	1.92	12,345.41	9,468.09	821.60	445,583.56	784,968.76	32.222530	-103.545498
22,141.00	89.60	0.22	12,346.27	9,563.06	823.37	445,678.53	784,970.53	32.222791	-103.545490
22,235.00	91.84	1.04	12,345.09	9,657.04	824.41	445,772.51	784,971.57	32.223050	-103.545485
22,329.00	92.04	0.72	12,341.91	9,750.98	825.85	445,866.44	784,973.01	32.223308	-103.545478
22,423.00	92.31	0.63	12,338.34	9,844.90	826.96	445,960.36	784,974.12	32.223566	-103.545472
22,518.00	89.77	359.70	12,336.62	9,939.88	827.23	446,055.34	784,974.39	32.223827	-103.545469
22,613.00	89.40	0.36	12,337.31	10,034.88	827.28	446,150.33	784,974.44	32.224088	-103.545466
22,707.00	88.12	359.72	12,339.34	10,128.85	827.35	446,244.31	784,974.50	32.224346	-103.545464
Last Svy 22707 MD									
22,855.00	88.12	359.72	12,344.20	10,276.77	826.62	446,392.22	784,973.78	32.224753	-103.545463
PTB 22855 MD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
22,707.00	12,339.34	10,128.85	827.35	Last Svy 22707 MD	
22,855.00	12,344.20	10,276.77	826.62	PTB 22855 MD	

Checked By: _____ Approved By: _____ Date: _____

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other				5. Lease Serial No. NMLC0063798	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____				6. If Indian, Allottee or Tribe Name	
2. Name of Operator DEVON ENERGY PRODUCTION CO., LLC				8. Lease Name and Well No. BLUE KRAIT 23-14 FED 36H	
3. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102				9. API Well No. 30-025-46465	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 245FSL 1010FWL At top prod interval reported below Sec 23 T24S R33E Mer At total depth NENW 39FNL 1916FWL				10. Field and Pool, or Exploratory WC-025 G-09 S243310P; UWC	
14. Date Spudded 01/16/2020				15. Date T.D. Reached 03/24/2020	
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/04/2020				17. Elevations (DF, KB, RT, GL)* 3556 GL	
18. Total Depth: MD 22867 TVD 12347		19. Plug Back T.D.: MD 22805 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1297		324		0	472
9.875	8.625 P-110	32.0	0	11658		790		0	718
7.875	5.500 P-110	20.0	0	22852		1685		3000	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	12234							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12704	22752	12704 TO 22752		1004	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12704 TO 22752	24,843,315# PROP, 633 BBL ACID

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/04/2020	11/29/2020	24	→	2032.0	3729.0	3766.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1787 SI	Csg. Press. 5993.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio 1835	Well Status	

28a. Production - Interval B

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

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

ELECTRONIC SUBMISSION #538879 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C

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

28c. Production - Interval D

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

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	1222	1711	BARREN	RUSTLER	1222
SALADO	1711	5229	BARREN	SALADO	1711
B/SALT	5229	5229	BARREN	B/SALT	5229
DELAWARE	5229	9205	OIL/GAS	DELAWARE	5229
BONE SPRING	9205	12298	OIL/GAS	BONE SPRING	9205
WOLFCAMP	12298			WOLFCAMP	12298

32. Additional remarks (include plugging procedure):

See attached as-drilled C-102 and Directional Plan

33. Circle enclosed attachments:

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

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

**Electronic Submission #538879 Verified by the BLM Well Information System.
For DEVON ENERGY PRODUCTION CO, LP, sent to the Hobbs**

Name (*please print*) REBECCA DEAL Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 12/01/2020

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

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos 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 21413

CONDITIONS OF APPROVAL

Operator: DEVON ENERGY PRODUCTION COMPAN			333 West Sheridan Ave.	Oklahoma City, OK73102	OGRID: 6137	Action Number: 21413	Action Type: C-104C
OCD Reviewer					Condition		
plmartinez					None		