

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**

<sup>1</sup> Operator name and Address Devon Energy Production Company, L.P. 333 West Sheridan, Oklahoma City, OK 73102		<sup>2</sup> OGRID Number 6137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 11/3/20
<sup>4</sup> API Number 30-025-46540	<sup>5</sup> Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP	<sup>6</sup> Pool Code 98135 <b>KZ</b>
<sup>7</sup> Property Code 316705	<sup>8</sup> Property Name Blue Krait 23 Fed	<sup>9</sup> Well Number 33H

**II. <sup>10</sup> Surface Location**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	23	24S	33E		200	South	1144	East	Lea

**<sup>11</sup> 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
A	23	24S	33E		33	North	1234	East	Lea

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	F	11/3/20			

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> 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**

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBDT	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
3/1/20	11/3/20	17591	17523	12660 - 17455	
<sup>27</sup> Hole Size		<sup>28</sup> Casing & Tubing Size		<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement
17.5		13.375		1310	1205 sx CIC; Circ 751 sx
9.875		8.625		12005	965 sx CH; Circ 217 sx
7.875		5.5		17569	1835 CIPOZ MIX; Circ 0 sx
		Tubing: 2.875		12325	

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
11/29/20	11/29/20	11/29/20	24 hrs	1223 psi	308 psi
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas		<sup>41</sup> Test Method
	2047 bbl	1319 bbl	3841 mcf		

<sup>42</sup> 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> Printed name: Rebecca Deal Title: Regulatory Analyst E-mail Address: Rebecca.Deal@dvn.com Date: 12/3/2020	OIL CONSERVATION DIVISION Approved by: <b>PM</b> Title: <b>LM II</b> Approval Date: <b>4/5/2021</b>
	Request for NMOCD Ext. of time to file BLM-approved form 3160-4 within 10 days to NMOCD after BLM approval.
	Phone: 405-228-8429



Intent  As Drilled

API # 30-025-46540		
Operator Name: DEVON ENERGY PRODUCTION COMPANY, LP.	Property Name: BLUE KRAIT 23 FED	Well Number 33H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	23	24-S	33-E		35	SOUTH	1168	EAST	LEA
Latitude 32.195944					Longitude 103.538364				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	23	24-S	33-E		327	SOUTH	1146	EAST	LEA
Latitude 32.196746					Longitude 103.538293				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	23	24-S	33-E		168	NORTH	1221	EAST	LEA
Latitude 32.209902					Longitude 103.538542				NAD 83

Is this well the defining well for the Horizontal Spacing Unit?  Y

Is this well an infill well?  N

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



# **Devon Energy Production Company, L.P.**

**Lea Co, New Mexico (NAD-83)**

**Blue Krait 23 Fed 33H**

**Blue Krait 23 Fed 33H**

**Lateral #1**

**Design: Lateral #1**

## **Standard Survey Report**

**15 April, 2020**





Skyline Directional  
Survey Report



<b>Company:</b>	Devon Energy Production Company, L.P.	<b>Local Co-ordinate Reference:</b>	Site Blue Krait 23 Fed 33H
<b>Project:</b>	Lea Co, New Mexico (NAD-83)	<b>TVD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Site:</b>	Blue Krait 23 Fed 33H	<b>MD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Well:</b>	Blue Krait 23 Fed 33H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral #1	<b>Database:</b>	Compass_DSN

<b>Project</b>	Lea Co, New Mexico (NAD-83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

<b>Site</b>	Blue Krait 23 Fed 33H				
<b>Site Position:</b>		<b>Northing:</b>	436,093.34 usft	<b>Latitude:</b>	32° 11' 47.035 N
<b>From:</b>	Map	<b>Easting:</b>	787,269.71 usft	<b>Longitude:</b>	103° 32' 17.825 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	Blue Krait 23 Fed 33H					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	436,093.34 usft	<b>Latitude:</b>	32° 11' 47.035 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	787,269.71 usft	<b>Longitude:</b>	103° 32' 17.825 W
<b>Position Uncertainty</b>	0.0 usft		<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	3,557.2 usft
<b>Grid Convergence:</b>	0.42 °					

<b>Wellbore</b>	Lateral #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	1/24/2020	6.65	60.01	47,656.41605744

<b>Design</b>	Lateral #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	0.00	

<b>Survey Program</b>	<b>Date</b>	4/15/2020			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
215.0	17,591.0	Survey #1 (Lateral #1)	MWD	MWD - Skyline	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
215.0	0.10	328.00	215.0	0.2	-0.1	0.2	0.05	0.05	0.00	
305.0	0.40	269.00	305.0	0.2	-0.5	0.2	0.40	0.33	-65.56	
396.0	0.20	302.20	396.0	0.3	-0.9	0.3	0.28	-0.22	36.48	
488.0	0.40	296.40	488.0	0.5	-1.3	0.5	0.22	0.22	-6.30	
580.0	0.50	256.00	580.0	0.6	-2.0	0.6	0.35	0.11	-43.91	
672.0	0.40	256.50	672.0	0.4	-2.7	0.4	0.11	-0.11	0.54	
764.0	0.70	272.60	764.0	0.4	-3.6	0.4	0.36	0.33	17.50	
855.0	0.50	275.10	855.0	0.4	-4.5	0.4	0.22	-0.22	2.75	
949.0	0.60	261.60	949.0	0.4	-5.4	0.4	0.17	0.11	-14.36	



Skyline Directional

Survey Report



<b>Company:</b>	Devon Energy Production Company, L.P.	<b>Local Co-ordinate Reference:</b>	Site Blue Krait 23 Fed 33H
<b>Project:</b>	Lea Co, New Mexico (NAD-83)	<b>TVD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Site:</b>	Blue Krait 23 Fed 33H	<b>MD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Well:</b>	Blue Krait 23 Fed 33H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral #1	<b>Database:</b>	Compass_DSN

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)	
1,041.0	0.60	273.80	1,041.0	0.3	-6.4	0.3	0.14	0.00	13.26	
1,133.0	0.70	278.20	1,133.0	0.5	-7.4	0.5	0.12	0.11	4.78	
1,224.0	0.70	276.50	1,224.0	0.6	-8.5	0.6	0.02	0.00	-1.87	
1,255.0	0.80	280.90	1,255.0	0.7	-8.9	0.7	0.37	0.32	14.19	
1,333.0	0.50	298.10	1,333.0	0.9	-9.8	0.9	0.45	-0.38	22.05	
1,423.0	0.60	325.60	1,422.9	1.5	-10.4	1.5	0.31	0.11	30.56	
1,517.0	0.90	211.50	1,516.9	1.3	-11.0	1.3	1.35	0.32	-121.38	
1,611.0	2.60	170.20	1,610.9	-1.5	-11.1	-1.5	2.14	1.81	-43.94	
1,705.0	4.30	168.90	1,704.7	-7.0	-10.0	-7.0	1.81	1.81	-1.38	
1,799.0	4.80	172.00	1,798.4	-14.4	-8.8	-14.4	0.59	0.53	3.30	
1,894.0	4.70	174.00	1,893.1	-22.2	-7.8	-22.2	0.20	-0.11	2.11	
1,989.0	4.50	176.60	1,987.8	-29.8	-7.2	-29.8	0.30	-0.21	2.74	
2,083.0	4.60	177.20	2,081.5	-37.2	-6.8	-37.2	0.12	0.11	0.64	
2,177.0	4.10	174.60	2,175.2	-44.3	-6.3	-44.3	0.57	-0.53	-2.77	
2,272.0	4.00	175.20	2,270.0	-51.0	-5.7	-51.0	0.11	-0.11	0.63	
2,366.0	3.90	176.80	2,363.8	-57.5	-5.3	-57.5	0.16	-0.11	1.70	
2,460.0	3.70	175.00	2,457.6	-63.7	-4.8	-63.7	0.25	-0.21	-1.91	
2,554.0	3.40	178.70	2,551.4	-69.5	-4.5	-69.5	0.40	-0.32	3.94	
2,651.0	3.30	176.80	2,648.2	-75.2	-4.3	-75.2	0.15	-0.10	-1.96	
2,743.0	3.20	178.50	2,740.1	-80.4	-4.0	-80.4	0.15	-0.11	1.85	
2,837.0	3.00	182.50	2,833.9	-85.4	-4.1	-85.4	0.31	-0.21	4.26	
2,930.0	2.80	176.60	2,926.8	-90.1	-4.1	-90.1	0.39	-0.22	-6.34	
3,024.0	2.60	175.60	3,020.7	-94.6	-3.8	-94.6	0.22	-0.21	-1.06	
3,118.0	2.60	175.90	3,114.6	-98.8	-3.4	-98.8	0.01	0.00	0.32	
3,212.0	2.60	182.70	3,208.5	-103.1	-3.4	-103.1	0.33	0.00	7.23	
3,307.0	2.60	186.90	3,303.4	-107.4	-3.7	-107.4	0.20	0.00	4.42	
3,400.0	2.40	184.70	3,396.3	-111.4	-4.2	-111.4	0.24	-0.22	-2.37	
3,495.0	2.10	182.30	3,491.3	-115.1	-4.4	-115.1	0.33	-0.32	-2.53	
3,589.0	2.10	176.30	3,585.2	-118.6	-4.4	-118.6	0.23	0.00	-6.38	
3,683.0	2.00	166.70	3,679.1	-121.9	-3.9	-121.9	0.38	-0.11	-10.21	
3,871.0	1.80	164.10	3,867.0	-127.9	-2.3	-127.9	0.12	-0.11	-1.38	
4,057.0	1.50	167.00	4,053.0	-133.1	-1.0	-133.1	0.17	-0.16	1.56	
4,246.0	1.50	180.80	4,241.9	-138.0	-0.4	-138.0	0.19	0.00	7.30	
4,434.0	1.10	186.30	4,429.8	-142.2	-0.7	-142.2	0.22	-0.21	2.93	
4,622.0	1.80	167.10	4,617.8	-146.9	-0.2	-146.9	0.45	0.37	-10.21	
4,810.0	1.80	144.50	4,805.7	-152.2	2.2	-152.2	0.38	0.00	-12.02	
4,999.0	0.90	73.80	4,994.6	-154.2	5.3	-154.2	0.91	-0.48	-37.41	
5,189.0	0.60	106.00	5,184.6	-154.0	7.7	-154.0	0.27	-0.16	16.95	
5,378.0	0.40	133.80	5,373.6	-154.8	9.1	-154.8	0.16	-0.11	14.71	
5,566.0	0.60	169.90	5,561.6	-156.2	9.8	-156.2	0.19	0.11	19.20	
5,756.0	0.40	178.50	5,751.6	-157.8	10.0	-157.8	0.11	-0.11	4.53	
5,946.0	0.10	254.60	5,941.6	-158.5	9.8	-158.5	0.20	-0.16	40.05	
6,135.0	0.30	95.00	6,130.6	-158.6	10.2	-158.6	0.21	0.11	-84.44	

Skyline Directional

Survey Report



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<b>Wellbore:</b>	Lateral #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral #1	<b>Database:</b>	Compass_DSN

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)	
6,324.0	0.40	96.60	6,319.6	-158.7	11.3	-158.7	0.05	0.05	0.85	
6,511.0	0.70	64.90	6,506.6	-158.3	13.0	-158.3	0.22	0.16	-16.95	
6,700.0	0.40	63.20	6,695.6	-157.5	14.6	-157.5	0.16	-0.16	-0.90	
6,888.0	0.40	46.70	6,883.6	-156.8	15.7	-156.8	0.06	0.00	-8.78	
7,075.0	0.40	19.30	7,070.6	-155.7	16.4	-155.7	0.10	0.00	-14.65	
7,263.0	0.60	2.70	7,258.6	-154.1	16.7	-154.1	0.13	0.11	-8.83	
7,452.0	0.80	336.70	7,447.6	-151.9	16.2	-151.9	0.20	0.11	-13.76	
7,641.0	0.90	328.00	7,636.5	-149.5	14.9	-149.5	0.09	0.05	-4.60	
7,828.0	0.50	321.80	7,823.5	-147.6	13.6	-147.6	0.22	-0.21	-3.32	
8,018.0	0.40	275.90	8,013.5	-146.9	12.4	-146.9	0.19	-0.05	-24.16	
8,206.0	0.40	207.20	8,201.5	-147.4	11.5	-147.4	0.24	0.00	-36.54	
8,394.0	0.10	215.70	8,389.5	-148.1	11.1	-148.1	0.16	-0.16	4.52	
8,582.0	0.40	261.30	8,577.5	-148.3	10.3	-148.3	0.18	0.16	24.26	
8,770.0	0.40	261.10	8,765.5	-148.5	9.0	-148.5	0.00	0.00	-0.11	
8,957.0	0.50	267.50	8,952.5	-148.7	7.6	-148.7	0.06	0.05	3.42	
9,145.0	0.60	267.00	9,140.5	-148.8	5.8	-148.8	0.05	0.05	-0.27	
9,333.0	0.80	247.40	9,328.5	-149.3	3.6	-149.3	0.16	0.11	-10.43	
9,520.0	1.10	210.20	9,515.4	-151.4	1.5	-151.4	0.36	0.16	-19.89	
9,708.0	1.90	187.50	9,703.4	-156.0	0.1	-156.0	0.52	0.43	-12.07	
9,896.0	1.50	192.40	9,891.3	-161.5	-0.8	-161.5	0.23	-0.21	2.61	
10,083.0	1.90	244.40	10,078.2	-165.2	-4.1	-165.2	0.82	0.21	27.81	
10,271.0	2.30	265.60	10,266.1	-166.9	-10.7	-166.9	0.46	0.21	11.28	
10,459.0	1.10	293.50	10,454.0	-166.4	-16.1	-166.4	0.76	-0.64	14.84	
10,646.0	0.60	254.60	10,641.0	-166.0	-18.7	-166.0	0.39	-0.27	-20.80	
10,833.0	0.50	235.80	10,828.0	-166.7	-20.3	-166.7	0.11	-0.05	-10.05	
11,021.0	0.40	153.50	11,016.0	-167.7	-20.7	-167.7	0.32	-0.05	-43.78	
11,209.0	0.40	174.80	11,204.0	-169.0	-20.3	-169.0	0.08	0.00	11.33	
11,398.0	0.50	153.90	11,393.0	-170.4	-19.9	-170.4	0.10	0.05	-11.06	
11,586.0	0.80	331.30	11,581.0	-170.0	-20.2	-170.0	0.69	0.16	94.36	
11,774.0	0.70	317.60	11,769.0	-168.0	-21.6	-168.0	0.11	-0.05	-7.29	
11,964.0	0.70	333.30	11,958.9	-166.1	-22.9	-166.1	0.10	0.00	8.26	
12,051.0	0.80	336.50	12,045.9	-165.0	-23.4	-165.0	0.12	0.11	3.68	
12,099.0	0.70	341.00	12,093.9	-164.5	-23.6	-164.5	0.24	-0.21	9.38	
12,193.0	11.50	9.80	12,187.3	-154.7	-22.2	-154.7	11.59	11.49	30.64	
12,287.0	20.80	8.00	12,277.5	-128.8	-18.3	-128.8	9.91	9.89	-1.91	
12,355.0	29.60	5.46	12,338.9	-100.1	-15.0	-100.1	13.03	12.94	-3.74	
<b>Cross 100' FSL Perf line: 1160' FEL; 12335' MD, 12338.9' TVD</b>										
12,382.0	33.10	4.80	12,362.0	-86.1	-13.7	-86.1	13.03	12.97	-2.44	
12,430.0	41.00	5.70	12,400.3	-57.3	-11.1	-57.3	16.50	16.46	1.88	
12,477.0	45.60	6.00	12,434.5	-25.3	-7.8	-25.3	9.80	9.79	0.64	
12,524.0	50.70	4.60	12,465.8	9.6	-4.6	9.6	11.08	10.85	-2.98	
12,571.0	56.60	1.70	12,493.7	47.3	-2.5	47.3	13.50	12.55	-6.17	
12,619.0	64.40	358.40	12,517.3	89.1	-2.5	89.1	17.31	16.25	-6.88	



Skyline Directional  
Survey Report



<b>Company:</b>	Devon Energy Production Company, L.P.	<b>Local Co-ordinate Reference:</b>	Site Blue Krait 23 Fed 33H
<b>Project:</b>	Lea Co, New Mexico (NAD-83)	<b>TVD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Site:</b>	Blue Krait 23 Fed 33H	<b>MD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Well:</b>	Blue Krait 23 Fed 33H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral #1	<b>Database:</b>	Compass_DSN

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,666.0	70.90	358.90	12,535.1	132.5	-3.6	132.5	13.86	13.83	1.06	
12,714.0	75.30	358.30	12,549.1	178.4	-4.7	178.4	9.24	9.17	-1.25	
12,761.0	80.90	359.80	12,558.8	224.4	-5.4	224.4	12.32	11.91	3.19	
12,855.0	84.60	1.20	12,570.6	317.6	-4.6	317.6	4.20	3.94	1.49	
12,949.0	88.80	3.40	12,576.1	411.3	-0.8	411.3	5.04	4.47	2.34	
13,045.0	87.40	3.50	12,579.2	507.1	4.9	507.1	1.46	-1.46	0.10	
13,139.0	89.50	0.30	12,581.8	601.0	8.0	601.0	4.07	2.23	-3.40	
13,232.0	92.40	359.90	12,580.2	694.0	8.2	694.0	3.15	3.12	-0.43	
13,326.0	93.20	359.60	12,575.6	787.9	7.8	787.9	0.91	0.85	-0.32	
13,420.0	91.10	358.60	12,572.1	881.8	6.3	881.8	2.47	-2.23	-1.06	
13,515.0	89.30	358.40	12,571.8	976.7	3.8	976.7	1.91	-1.89	-0.21	
13,610.0	88.00	358.80	12,574.0	1,071.7	1.5	1,071.7	1.43	-1.37	0.42	
13,705.0	88.60	358.80	12,576.8	1,166.6	-0.5	1,166.6	0.63	0.63	0.00	
13,799.0	89.20	359.30	12,578.6	1,260.6	-2.0	1,260.6	0.83	0.64	0.53	
13,893.0	91.80	0.40	12,577.8	1,354.6	-2.3	1,354.6	3.00	2.77	1.17	
13,988.0	90.70	359.70	12,575.8	1,449.6	-2.2	1,449.6	1.37	-1.16	-0.74	
14,083.0	93.00	359.40	12,572.7	1,544.5	-2.9	1,544.5	2.44	2.42	-0.32	
14,177.0	93.40	358.90	12,567.4	1,638.3	-4.3	1,638.3	0.68	0.43	-0.53	
14,270.0	91.40	358.70	12,563.5	1,731.2	-6.3	1,731.2	2.16	-2.15	-0.22	
14,365.0	89.20	358.00	12,563.0	1,826.2	-9.0	1,826.2	2.43	-2.32	-0.74	
14,460.0	92.00	0.40	12,562.1	1,921.2	-10.3	1,921.2	3.88	2.95	2.53	
14,554.0	89.70	359.60	12,560.7	2,015.1	-10.3	2,015.1	2.59	-2.45	-0.85	
14,649.0	90.00	359.50	12,560.9	2,110.1	-11.1	2,110.1	0.33	0.32	-0.11	
14,744.0	88.30	358.40	12,562.3	2,205.1	-12.8	2,205.1	2.13	-1.79	-1.16	
14,838.0	89.50	357.80	12,564.1	2,299.0	-16.0	2,299.0	1.43	1.28	-0.64	
14,930.0	89.50	357.80	12,564.9	2,391.0	-19.5	2,391.0	0.00	0.00	0.00	
15,025.0	92.50	357.30	12,563.3	2,485.8	-23.5	2,485.8	3.20	3.16	-0.53	
15,119.0	93.80	357.40	12,558.1	2,579.6	-27.9	2,579.6	1.39	1.38	0.11	
15,213.0	94.80	357.10	12,551.1	2,673.2	-32.4	2,673.2	1.11	1.06	-0.32	
15,308.0	94.90	356.30	12,543.0	2,767.7	-37.8	2,767.7	0.85	0.11	-0.84	
15,403.0	92.20	358.80	12,537.1	2,862.4	-41.9	2,862.4	3.87	-2.84	2.63	
15,497.0	89.70	1.00	12,535.6	2,956.4	-42.0	2,956.4	3.54	-2.66	2.34	
15,591.0	89.10	1.00	12,536.6	3,050.4	-40.4	3,050.4	0.64	-0.64	0.00	
15,686.0	88.80	0.50	12,538.3	3,145.4	-39.2	3,145.4	0.61	-0.32	-0.53	
15,779.0	90.00	359.90	12,539.3	3,238.4	-38.8	3,238.4	1.44	1.29	-0.65	
15,873.0	90.10	358.80	12,539.2	3,332.4	-39.9	3,332.4	1.18	0.11	-1.17	
15,968.0	90.20	358.10	12,538.9	3,427.3	-42.5	3,427.3	0.74	0.11	-0.74	
16,062.0	90.40	358.90	12,538.5	3,521.3	-44.9	3,521.3	0.88	0.21	0.85	
16,157.0	90.00	358.70	12,538.1	3,616.3	-46.9	3,616.3	0.47	-0.42	-0.21	
16,251.0	90.40	358.60	12,537.8	3,710.2	-49.1	3,710.2	0.44	0.43	-0.11	
16,345.0	89.80	358.10	12,537.6	3,804.2	-51.8	3,804.2	0.83	-0.64	-0.53	
16,440.0	90.20	357.70	12,537.6	3,899.1	-55.3	3,899.1	0.60	0.42	-0.42	
16,535.0	91.10	357.70	12,536.6	3,994.1	-59.1	3,994.1	0.95	0.95	0.00	
16,629.0	89.80	356.00	12,535.8	4,087.9	-64.3	4,087.9	2.28	-1.38	-1.81	



Skyline Directional  
Survey Report



<b>Company:</b>	Devon Energy Production Company, L.P.	<b>Local Co-ordinate Reference:</b>	Site Blue Krait 23 Fed 33H
<b>Project:</b>	Lea Co, New Mexico (NAD-83)	<b>TVD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Site:</b>	Blue Krait 23 Fed 33H	<b>MD Reference:</b>	Rig KB @ 3581.0usft (Cactus 168)
<b>Well:</b>	Blue Krait 23 Fed 33H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral #1	<b>Database:</b>	Compass_DSN

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,723.0	91.60	358.20	12,534.7	4,181.8	-69.1	4,181.8	3.02	1.91	2.34	
16,818.0	91.30	357.80	12,532.3	4,276.7	-72.4	4,276.7	0.53	-0.32	-0.42	
16,912.0	91.00	357.10	12,530.4	4,370.6	-76.5	4,370.6	0.81	-0.32	-0.74	
17,007.0	90.90	356.70	12,528.8	4,465.4	-81.7	4,465.4	0.43	-0.11	-0.42	
17,101.0	90.80	355.90	12,527.4	4,559.2	-87.8	4,559.2	0.86	-0.11	-0.85	
17,196.0	90.80	355.70	12,526.1	4,653.9	-94.7	4,653.9	0.21	0.00	-0.21	
17,290.0	90.30	355.60	12,525.2	4,747.7	-101.8	4,747.7	0.54	-0.53	-0.11	
17,385.0	91.40	355.20	12,523.8	4,842.3	-109.5	4,842.3	1.23	1.16	-0.42	
17,479.0	91.30	354.50	12,521.6	4,935.9	-117.9	4,935.9	0.75	-0.11	-0.74	
17,513.9	90.97	353.90	12,520.9	4,970.6	-121.4	4,970.6	1.96	-0.94	-1.72	
<b>Last Take Point (100' FNL, 1133' FEL)</b>										
17,523.2	90.89	353.74	12,520.7	4,979.9	-122.4	4,979.9	1.96	-0.94	-1.72	
<b>Cross 100' FNL Perf line: 1234' FEL</b>										
17,543.0	90.70	353.40	12,520.4	4,999.6	-124.6	4,999.6	1.96	-0.94	-1.72	
17,591.0	90.70	353.40	12,519.9	5,047.3	-130.2	5,047.3	0.00	0.00	0.00	
<b>BHL: 1240' FWL 33' FNL; 17591' MD, 12519.9' TVD - PBHL - TD (B K 23 F 33H)</b>										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
12,355.0	12,338.9	-100.1	-15.0	Cross 100' FSL Perf line: 1160' FEL; 12335' MD, 12338.9' TVD	
17,523.2	12,520.7	4,979.9	-122.4	Cross 100' FNL Perf line: 1234' FEL	
17,591.0	12,519.9	5,047.3	-130.2	BHL: 1240' FWL 33' FNL; 17591' MD, 12519.9' TVD	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

STATE OF NEW MEXICO  
COUNTY OF LEA

I, **Seth Crawley**, certify that; I am employed by **Skyline Directional Drilling, LLC**; that I did on the day(s) of **3/20/2020 to 4/8/2020** conduct or supervise the taking of MWD surveys from a depth of **215 feet to a depth of 17,591 feet**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Skyline Directional Drilling, LLC**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Devon Energy Production Co.** for the **Blue Krait 23 Fed 33H**, with the **API # 30-025-46540** in the **Upper Wolfcamp** field of **Lea County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Skyline Directional Drilling, LLC**.



Seth Crawley  
Senior Well Planner

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC0063798

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator DEVON ENERGY PRODUCTION CO. <small>Mail: rebecca.deal@dvn.com</small>			8. Lease Name and Well No. BLUE KRAIT 23 FED 33H		
3. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102		3a. Phone No. (include area code) Ph: 405-228-8429	9. API Well No. 30-025-46540		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 200FSL 1144FEL At top prod interval reported below SESE 79FNL 1157FEL At total depth NENE 33FSL 1234FEL			10. Field and Pool, or Exploratory WC-025 G-09 S243310P; UWC		
14. Date Spudded 03/01/2020			15. Date T.D. Reached 04/07/2020	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/03/2020	17. Elevations (DF, KB, RT, GL)* 3558 GL
18. Total Depth: MD 17591 TVD 12520	19. Plug Back T.D.: MD 17523 TVD	20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	1310		1205		0	751
9.875	8.625 P-110	32.0	0	12005		965		0	217
7.875	5.500 P-110	20.0	0	17569		1835		1665	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	12325							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	12660	17455	12660 TO 17455		480	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
12660 TO 17455	12,090,000# PROP, 69 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
11/03/2020	11/29/2020	24	→	2047.0	3841.0	1319.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 1223 SI	Csg. Press. 308.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio 1876	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 #538862 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	1223	1706	BARREN	RUSTLER	1223
SALADO	1706	5210	BARREN	SALADO	1706
B/SALT	5210	5210	BARREN	B/SALT	5210
DELAWARE	5210	9207	OIL/GAS	DELAWARE	5210
BONE SPRING	9207	12292	OIL/GAS	BONE SPRING	9207
WOLFCAMP	12292			WOLFCAMP	12292

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 #538862 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 21415

**CONDITIONS OF APPROVAL**

Operator:	DEVON ENERGY PRODUCTION COMPAN	333 West Sheridan Ave.	Oklahoma City, OK73102	OGRID:	6137	Action Number:	21415	Action Type:	C-104C
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OCD Reviewer	Condition
plmartinez	None