

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

HOBBS OCD

MAY 08 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC063798
2. Name of Operator DEVON ENERGY		6. If Indian, Allottee or Tribe Name
3a. Address 333 WEST SHERIDAN OKLAHOMA CITY, OK 73102		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 405-228-8429		8. Well Name and No. BLUE KRAIT 23-14 FED 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T24S R33E SWSW 200FSL 680FWL bld		9. API Well No. 30-025-43011
		10. Field and Pool or Exploratory Area RED HILLS; BONE SPRING N.
		11. County or Parish, State LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Devon Energy Production Co. respectfully requests to move the SHL of the Blue Krait 23-14 Fed 1H 70? east, from 200 FSL & 610 FWL, Sec. 23-24S-33E to 200 FSL & 680 FWL, Sec. 23-24S-33E, to assist the rig for optimal well spacing.

Please see attached revised C-102, Directional Plan, Casing Design and Cement Volumes.

NRS OK 5-1-17 JB

Eng OK 5/1/17 CWalls

14. I hereby certify that the foregoing is true and correct. Electronic Submission #374229 verified by the BLM Well Information System For DEVON ENERGY, sent to the Hobbs Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/01/2017 ()	
Name (Printed/Typed) REBECCA DEAL	Title REGULATORY COMPLIANCE PROFESSI
Signature (Electronic Submission)	Date 04/27/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Cef 1/1/17</u>	Title <u>for</u> FIELD MANAGER	Date <u>05/03/17</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>CARLSBAD FIELD OFFICE</u>

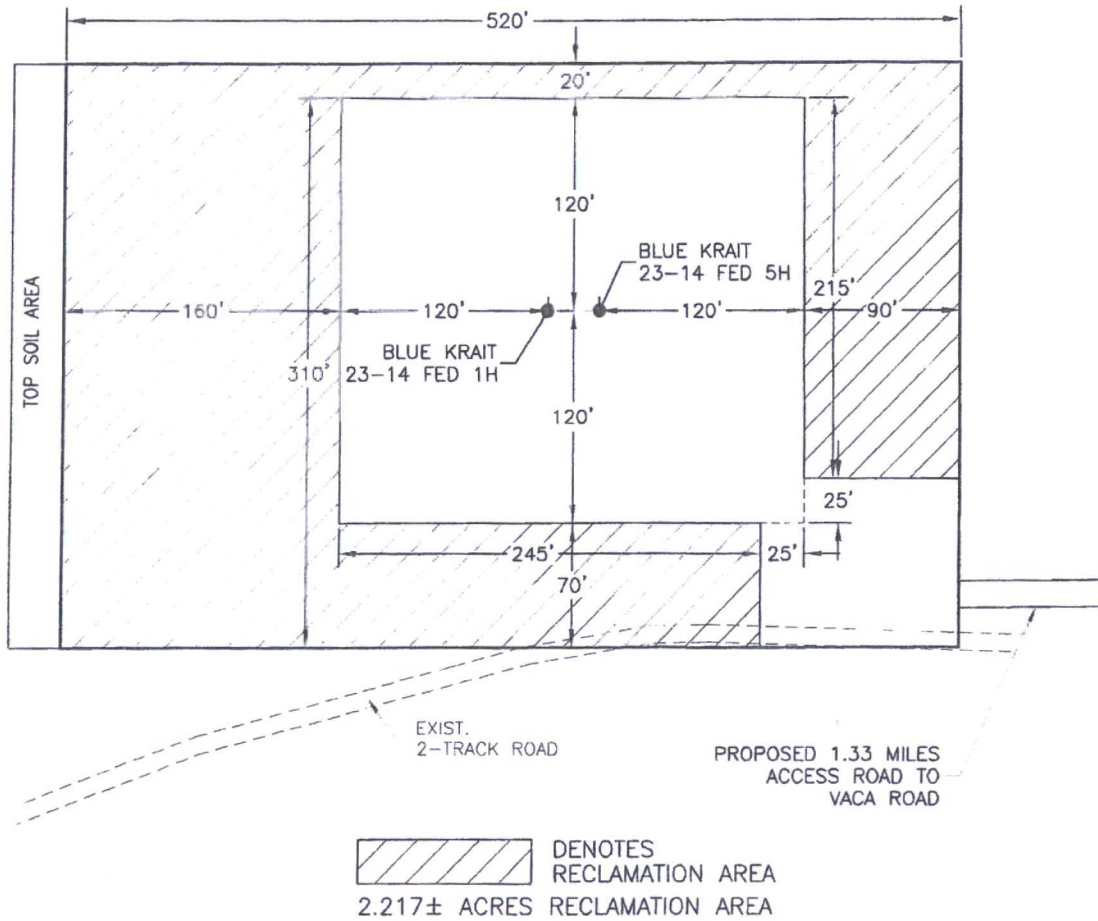
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

Kg

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
INTERIM SITE RECLAMATION



010 50 100 200
SCALE 1" = 100'

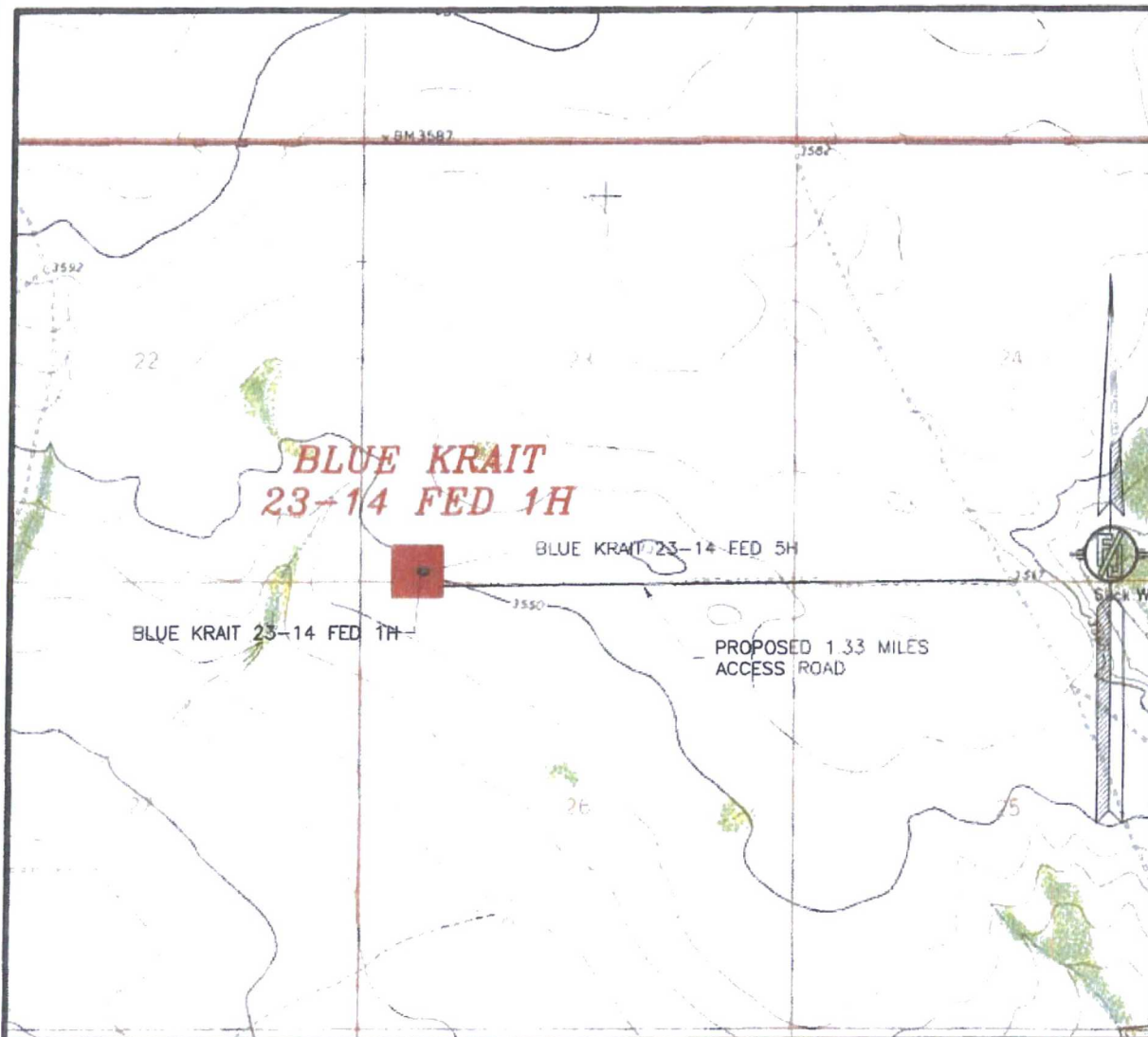
DEVON ENERGY PRODUCTION COMPANY, L.P.
BLUE KRAIT 23-14 FED 1H
LOCATED 200 FT. FROM THE SOUTH LINE
AND 680 FT. FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 13, 2017

SURVEY NO. 3464H

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
BELL LAKE

NOT TO SCALE

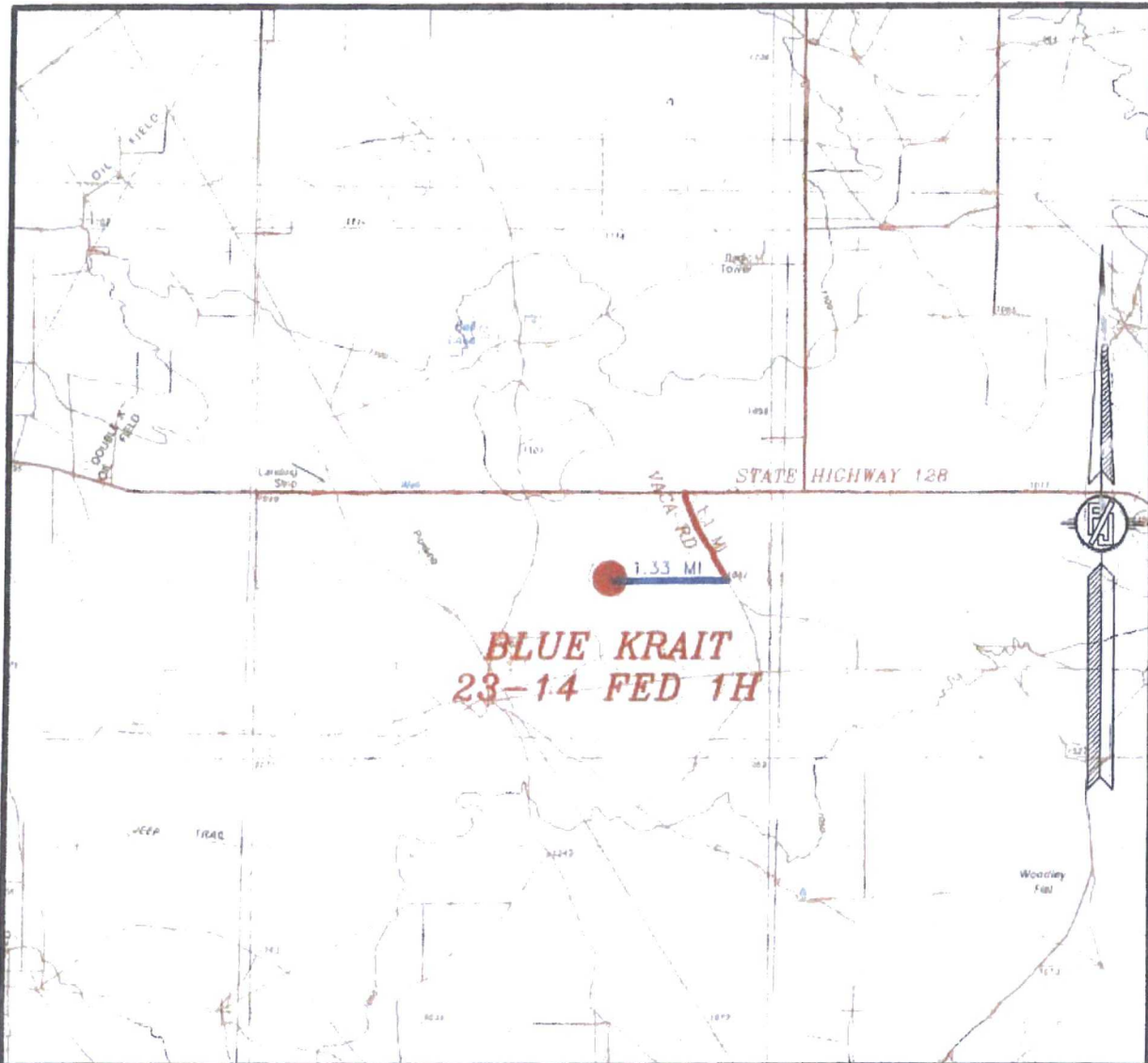
DEVON ENERGY PRODUCTION COMPANY, L.P.
BLUE KRAIT 23-14 FED 1H
LOCATED 200 FT. FROM THE SOUTH LINE
AND 680 FT. FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 13, 2017

SURVEY NO. 3464H

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
BLUE KRAIT 23-14 FED 1H

LOCATED 200 FT. FROM THE SOUTH LINE
AND 680 FT. FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

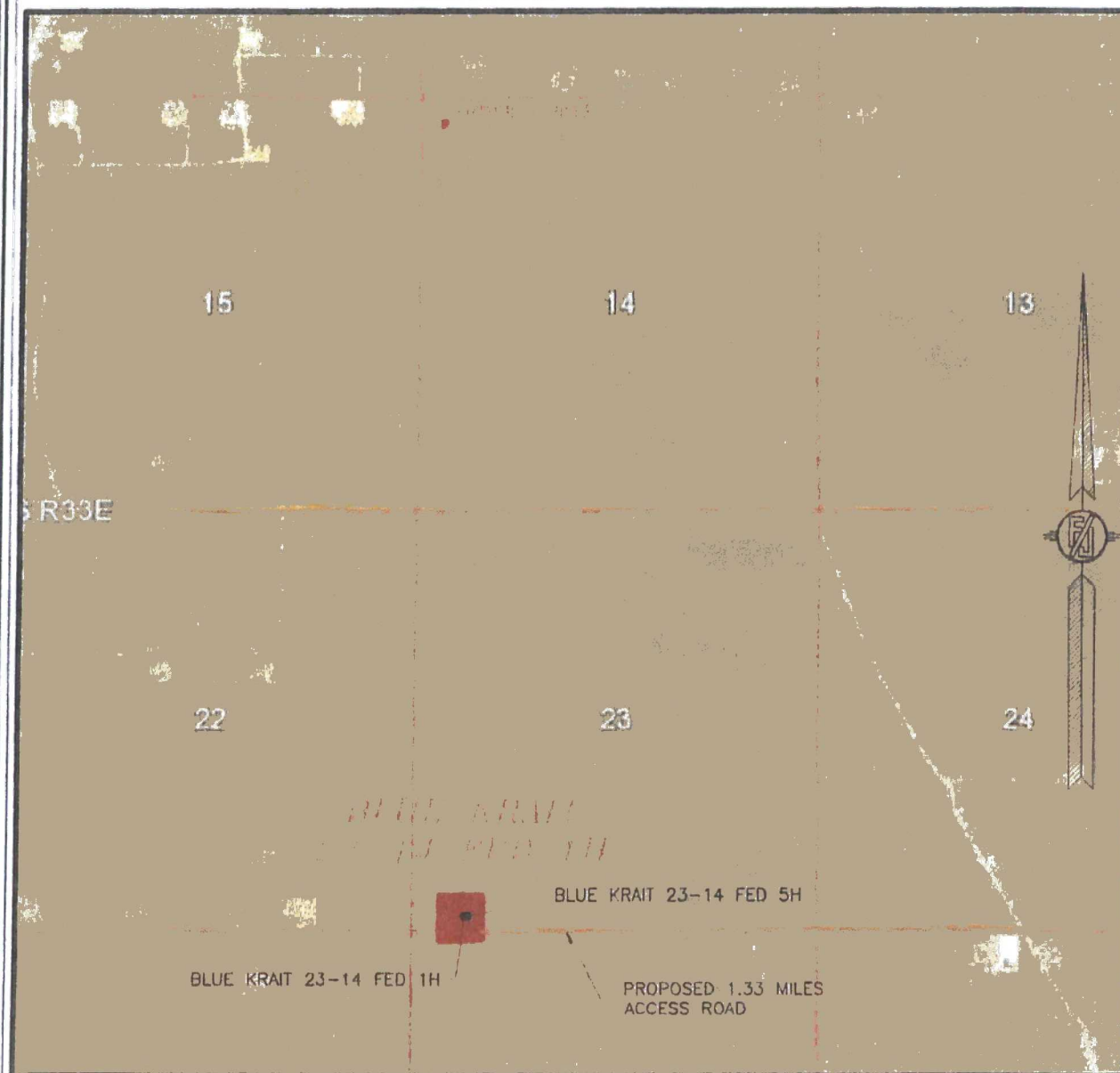
DIRECTIONS TO LOCATION
FROM THE INTERSECTION OF STATE HIGHWAY 128 AND VACA ROAD
GO SOUTHEAST ON VACA ROAD FOR APPROX. 1.1 MILES. GO WEST ON
2-TRACK ROAD FOR APPROX. 1.33 MILES TO SOUTHEAST PAD
CORNER.

APRIL 13, 2017

SURVEY NO. 3464H

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 23, TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.
BLUE KRAIT 23-14 FED 1H

LOCATED 200 FT. FROM THE SOUTH LINE
AND 680 FT. FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 13, 2017

SURVEY NO. 3464H

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

ACCESS AERIAL ROUTE MAP



LOCATED 200 FT. FROM THE SOUTH LINE
AND 680 FT. FROM THE WEST LINE OF
SECTION 23, TOWNSHIP 24 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

SURVEY NO. 3464H

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

301 SOUTH CANAL
(575) 234-3341

**5D Plan Report**

Devon Energy**Field Name:** *Lea Co, NM Nad 83 NMEZ***Site Name:** *Blue Krait 23-14 Fed 1H***Well Name:** *Blue Krait 23-14 Fed 1H***Plan:** *P1:V2*

27 April 2017






Blue Krait 23-14 Fed 1H

Field Name: Lea Co, NM Nad 83 NMEZ	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Blue Krait 23-14 Fed 1H	Units: US ft	North Reference: Grid	Convergence Angle: 0.42	
	Position:	Northing: 436068.47 US ft	Latitude: 32° 11' 47.04"	
		Easting: 783817.50 US ft	Longitude: -103° 32' 58.00"	
	Elevation above MSL:3551.30 US ft		Comment:	
Slot: Blue Krait 23-14 Fed 1H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 436068.47 US ft	Latitude: 32°11'47.04"	
	+E/-W: 0.00 US ft	Easting: 783817.50 US ft	Longitude: -103°32'58.00"	
	Slot TVD Reference: Ground Elevation		Comment:	
Well: Blue Krait 23-14 Fed 1H	Type:Main well	UWI:	Plan:P1:V2	
	File Number:	Comment:		
	Closure Distance:10029.5US ft	Closure Azimuth:357.84°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: 0.00 US ft	+E/-W: 0.00 US ft	Az: 357.84°	
Magnetic Parameters:				
Model: bggm2016	Field Strength: 48027.4nT	Declination: 7.01°	Dip: 60.05°	Date: 31/May/2017

Drill floor: Plan: P1:V2

Rig Height (Drill Floor): 23.50 US ft	Elevation above MSL: 3574.80 US ft	Inclination: 0.00°	Azimuth: 0.00°
---	--	---------------------------	-----------------------

Target set: Blue Krait 23-14 Fed 1H_tgts Comment:

Target Name:	Shape:	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Comment
PBHL 1H	Point	9450.00	10022.44	-377.43	446090.91	783440.07	

Wellpath created using minimum curvature.

Tie Point:

MD: 0.00 US ft	Inclination: 0.00°	Azimuth: 0.00°	TVD: 0.00 US ft	North Offset: 0.00 US ft	East Offset: 0.00 US ft
-----------------------	---------------------------	-----------------------	------------------------	---------------------------------	--------------------------------

5D Plan Report

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	B.Rate (°/100US ft)	T.Rate (°/100US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8877.04	0.00	0.00	8877.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
9777.04	90.00	357.84	9450.00	572.55	-21.56	572.96	10.00	10.00	0.00	357.84	LP
19233.63	90.00	357.84	9450.00	10022.44	-377.43	10029.54	0.00	0.00	0.00	0.00	PBHL 1H

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	436068.47	783817.50	
8877.04	0.00	0.00	8877.04	0.00	0.00	0.00	0.00	436068.47	783817.50	KOP
8900.00	2.30	357.84	8899.99	0.46	-0.02	0.46	10.00	436068.93	783817.48	
9000.00	12.30	357.84	8999.06	13.13	-0.49	13.14	10.00	436081.60	783817.01	
9100.00	22.30	357.84	9094.42	42.81	-1.61	42.84	10.00	436111.28	783815.89	
9200.00	32.30	357.84	9183.17	88.57	-3.34	88.64	10.00	436157.04	783814.16	
9300.00	42.30	357.84	9262.62	149.05	-5.61	149.15	10.00	436217.52	783811.89	
9400.00	52.30	357.84	9330.35	222.39	-8.37	222.55	10.00	436290.86	783809.13	
9500.00	62.30	357.84	9384.31	306.37	-11.54	306.59	10.00	436374.84	783805.96	
9600.00	72.30	357.84	9422.86	398.44	-15.00	398.72	10.00	436466.91	783802.50	
9700.00	82.30	357.84	9444.83	495.80	-18.67	496.15	10.00	436564.27	783798.83	
9777.04	90.00	357.84	9450.00	572.55	-21.56	572.96	10.00	436641.02	783795.94	LP
9800.00	90.00	357.84	9450.00	595.50	-22.43	595.92	0.00	436663.97	783795.07	
9900.00	90.00	357.84	9450.00	695.42	-26.19	695.92	0.00	436763.89	783791.31	
10000.00	90.00	357.84	9450.00	795.35	-29.95	795.92	0.00	436863.82	783787.55	
10100.00	90.00	357.84	9450.00	895.28	-33.72	895.92	0.00	436963.75	783783.78	
10200.00	90.00	357.84	9450.00	995.21	-37.48	995.92	0.00	437063.68	783780.02	
10300.00	90.00	357.84	9450.00	1095.14	-41.24	1095.92	0.00	437163.61	783776.26	
10400.00	90.00	357.84	9450.00	1195.07	-45.00	1195.92	0.00	437263.54	783772.50	
10500.00	90.00	357.84	9450.00	1295.00	-48.77	1295.92	0.00	437363.47	783768.73	
10600.00	90.00	357.84	9450.00	1394.93	-52.53	1395.92	0.00	437463.40	783764.97	
10700.00	90.00	357.84	9450.00	1494.86	-56.29	1495.92	0.00	437563.33	783761.21	

3D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
10800.00	90.00	357.84	9450.00	1594.79	-60.06	1595.92	0.00	437663.26	783757.44	
10900.00	90.00	357.84	9450.00	1694.72	-63.82	1695.92	0.00	437763.19	783753.68	
11000.00	90.00	357.84	9450.00	1794.65	-67.58	1795.92	0.00	437863.12	783749.92	
11100.00	90.00	357.84	9450.00	1894.57	-71.35	1895.92	0.00	437963.04	783746.15	
11200.00	90.00	357.84	9450.00	1994.50	-75.11	1995.92	0.00	438062.97	783742.39	
11300.00	90.00	357.84	9450.00	2094.43	-78.87	2095.92	0.00	438162.90	783738.63	
11400.00	90.00	357.84	9450.00	2194.36	-82.64	2195.92	0.00	438262.83	783734.86	
11500.00	90.00	357.84	9450.00	2294.29	-86.40	2295.92	0.00	438362.76	783731.10	
11600.00	90.00	357.84	9450.00	2394.22	-90.16	2395.92	0.00	438462.69	783727.34	
11700.00	90.00	357.84	9450.00	2494.15	-93.93	2495.92	0.00	438562.62	783723.57	
11800.00	90.00	357.84	9450.00	2594.08	-97.69	2595.92	0.00	438662.55	783719.81	
11900.00	90.00	357.84	9450.00	2694.01	-101.45	2695.92	0.00	438762.48	783716.05	
12000.00	90.00	357.84	9450.00	2793.94	-105.22	2795.92	0.00	438862.41	783712.28	
12100.00	90.00	357.84	9450.00	2893.87	-108.98	2895.92	0.00	438962.34	783708.52	
12200.00	90.00	357.84	9450.00	2993.80	-112.74	2995.92	0.00	439062.27	783704.76	
12300.00	90.00	357.84	9450.00	3093.72	-116.51	3095.92	0.00	439162.19	783700.99	
12400.00	90.00	357.84	9450.00	3193.65	-120.27	3195.92	0.00	439262.12	783697.23	
12500.00	90.00	357.84	9450.00	3293.58	-124.03	3295.92	0.00	439362.05	783693.47	
12600.00	90.00	357.84	9450.00	3393.51	-127.79	3395.92	0.00	439461.98	783689.71	
12700.00	90.00	357.84	9450.00	3493.44	-131.56	3495.92	0.00	439561.91	783685.94	
12800.00	90.00	357.84	9450.00	3593.37	-135.32	3595.92	0.00	439661.84	783682.18	
12900.00	90.00	357.84	9450.00	3693.30	-139.08	3695.92	0.00	439761.77	783678.42	
13000.00	90.00	357.84	9450.00	3793.23	-142.85	3795.92	0.00	439861.70	783674.65	
13100.00	90.00	357.84	9450.00	3893.16	-146.61	3895.92	0.00	439961.63	783670.89	
13200.00	90.00	357.84	9450.00	3993.09	-150.37	3995.92	0.00	440061.56	783667.13	
13300.00	90.00	357.84	9450.00	4093.02	-154.14	4095.92	0.00	440161.49	783663.36	
13400.00	90.00	357.84	9450.00	4192.95	-157.90	4195.92	0.00	440261.42	783659.60	
13500.00	90.00	357.84	9450.00	4292.87	-161.66	4295.92	0.00	440361.34	783655.84	
13600.00	90.00	357.84	9450.00	4392.80	-165.43	4395.92	0.00	440461.27	783652.07	
13700.00	90.00	357.84	9450.00	4492.73	-169.19	4495.92	0.00	440561.20	783648.31	
13800.00	90.00	357.84	9450.00	4592.66	-172.95	4595.92	0.00	440661.13	783644.55	
13900.00	90.00	357.84	9450.00	4692.59	-176.72	4695.92	0.00	440761.06	783640.78	
14000.00	90.00	357.84	9450.00	4792.52	-180.48	4795.92	0.00	440860.99	783637.02	
14100.00	90.00	357.84	9450.00	4892.45	-184.24	4895.92	0.00	440960.92	783633.26	
14200.00	90.00	357.84	9450.00	4992.38	-188.01	4995.92	0.00	441060.85	783629.49	
14300.00	90.00	357.84	9450.00	5092.31	-191.77	5095.92	0.00	441160.78	783625.73	
14400.00	90.00	357.84	9450.00	5192.24	-195.53	5195.92	0.00	441260.71	783621.97	
14500.00	90.00	357.84	9450.00	5292.17	-199.30	5295.92	0.00	441360.64	783618.20	
14600.00	90.00	357.84	9450.00	5392.10	-203.06	5395.92	0.00	441460.57	783614.44	
14700.00	90.00	357.84	9450.00	5492.02	-206.82	5495.92	0.00	441560.49	783610.68	
14800.00	90.00	357.84	9450.00	5591.95	-210.58	5595.92	0.00	441660.42	783606.92	
14900.00	90.00	357.84	9450.00	5691.88	-214.35	5695.92	0.00	441760.35	783603.15	
15000.00	90.00	357.84	9450.00	5791.81	-218.11	5795.92	0.00	441860.28	783599.39	
15100.00	90.00	357.84	9450.00	5891.74	-221.87	5895.92	0.00	441960.21	783595.63	
15200.00	90.00	357.84	9450.00	5991.67	-225.64	5995.92	0.00	442060.14	783591.86	
15300.00	90.00	357.84	9450.00	6091.60	-229.40	6095.92	0.00	442160.07	783588.10	
15400.00	90.00	357.84	9450.00	6191.53	-233.16	6195.92	0.00	442260.00	783584.34	
15500.00	90.00	357.84	9450.00	6291.46	-236.93	6295.92	0.00	442359.93	783580.57	
15600.00	90.00	357.84	9450.00	6391.39	-240.69	6395.92	0.00	442459.86	783576.81	
15700.00	90.00	357.84	9450.00	6491.32	-244.45	6495.92	0.00	442559.79	783573.05	
15800.00	90.00	357.84	9450.00	6591.25	-248.22	6595.92	0.00	442659.72	783569.28	
15900.00	90.00	357.84	9450.00	6691.17	-251.98	6695.92	0.00	442759.64	783565.52	
16000.00	90.00	357.84	9450.00	6791.10	-255.74	6795.92	0.00	442859.57	783561.76	
16100.00	90.00	357.84	9450.00	6891.03	-259.51	6895.92	0.00	442959.50	783557.99	
16200.00	90.00	357.84	9450.00	6990.96	-263.27	6995.92	0.00	443059.43	783554.23	
16300.00	90.00	357.84	9450.00	7090.89	-267.03	7095.92	0.00	443159.36	783550.47	
16400.00	90.00	357.84	9450.00	7190.82	-270.80	7195.92	0.00	443259.29	783546.70	
16500.00	90.00	357.84	9450.00	7290.75	-274.56	7295.92	0.00	443359.22	783542.94	
16600.00	90.00	357.84	9450.00	7390.68	-278.32	7395.92	0.00	443459.15	783539.18	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
16700.00	90.00	357.84	9450.00	7490.61	-282.09	7495.92	0.00	443559.08	783535.41	
16800.00	90.00	357.84	9450.00	7590.54	-285.85	7595.92	0.00	443659.01	783531.65	
16900.00	90.00	357.84	9450.00	7690.47	-289.61	7695.92	0.00	443758.94	783527.89	
17000.00	90.00	357.84	9450.00	7790.40	-293.37	7795.92	0.00	443858.87	783524.13	
17100.00	90.00	357.84	9450.00	7890.32	-297.14	7895.92	0.00	443958.79	783520.36	
17200.00	90.00	357.84	9450.00	7990.25	-300.90	7995.92	0.00	444058.72	783516.60	
17300.00	90.00	357.84	9450.00	8090.18	-304.66	8095.92	0.00	444158.65	783512.84	
17400.00	90.00	357.84	9450.00	8190.11	-308.43	8195.92	0.00	444258.58	783509.07	
17500.00	90.00	357.84	9450.00	8290.04	-312.19	8295.92	0.00	444358.51	783505.31	
17600.00	90.00	357.84	9450.00	8389.97	-315.95	8395.92	0.00	444458.44	783501.55	
17700.00	90.00	357.84	9450.00	8489.90	-319.72	8495.92	0.00	444558.37	783497.78	
17800.00	90.00	357.84	9450.00	8589.83	-323.48	8595.92	0.00	444658.30	783494.02	
17900.00	90.00	357.84	9450.00	8689.76	-327.24	8695.92	0.00	444758.23	783490.26	
18000.00	90.00	357.84	9450.00	8789.69	-331.01	8795.92	0.00	444858.16	783486.49	
18100.00	90.00	357.84	9450.00	8889.62	-334.77	8895.92	0.00	444958.09	783482.73	
18200.00	90.00	357.84	9450.00	8989.55	-338.53	8995.92	0.00	445058.02	783478.97	
18300.00	90.00	357.84	9450.00	9089.47	-342.30	9095.92	0.00	445157.94	783475.20	
18400.00	90.00	357.84	9450.00	9189.40	-346.06	9195.92	0.00	445257.87	783471.44	
18500.00	90.00	357.84	9450.00	9289.33	-349.82	9295.92	0.00	445357.80	783467.68	
18600.00	90.00	357.84	9450.00	9389.26	-353.59	9395.92	0.00	445457.73	783463.91	
18700.00	90.00	357.84	9450.00	9489.19	-357.35	9495.92	0.00	445557.66	783460.15	
18800.00	90.00	357.84	9450.00	9589.12	-361.11	9595.92	0.00	445657.59	783456.39	
18900.00	90.00	357.84	9450.00	9689.05	-364.88	9695.92	0.00	445757.52	783452.62	
19000.00	90.00	357.84	9450.00	9788.98	-368.64	9795.92	0.00	445857.45	783448.86	
19100.00	90.00	357.84	9450.00	9888.91	-372.40	9895.92	0.00	445957.38	783445.10	
19200.00	90.00	357.84	9450.00	9988.84	-376.16	9995.92	0.00	446057.31	783441.34	
19233.63	90.00	357.84	9450.00	10022.44	-377.43	10029.54	0.00	446090.91	783440.07	PBHL 1H

Devon Energy, Blue Krait 23-14 Fed 1H

1. Geologic Formations

TVD of target	9,450'	Pilot hole depth	N/A
MD at TD:	19,234'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	1,093		
Top of Salt	1,614		
Base of Salt	5,040		
Delaware	5,264		
Lower Brushy Canyon	9,007		
1 st Bone Spring Lime	9,196		
Leonard A	9,273		
Leonard A Mid Carbonate	9,353		
Leonard A Target Top	9,399		
Leonard A Target Base	9,493		
Leonard B	9,615		

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Devon Energy, Blue Krait 23-14 Fed 1H

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn .	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	1,400'	13.375"	48	H-40	STC	1.18	2.64	8.05
12.25"	0	5,200'	9.625"	40	J-55	BTC	1.15	1.77	4.15
8.75"	0	19,234'	5.5"	17	P-110	BTC	1.56	1.93	2.09
BLM Minimum Safety Factor							1.125	1.00	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Devon Energy, Blue Krait 23-14 Fed 1H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	H ₂ O gal/sk	Yld ft ³ / sack	500# Comp. Strength (hours)	Slurry Description
13-3/8" Surface	730	13.5	9.07	1.72	12	Lead: Class C Cement + 4% Bentonite Gel + 0.125 lbs/sack Poly-E-Flake
	550	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
13-3/8" Surface Two Stage	490	13.5	9.07	1.72	12	1 st Stage Lead: Class C Cement + 4% Bentonite Gel + 0.125 lbs/sack Poly-E-Flake
	550	14.8	6.32	1.33	6	1 st Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
	DV Tool = 300ft					
	320	14.8	6.32	1.33	6	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
9-5/8" Inter.	1090	12.9	9.81	1.85	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	430	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
9-5/8" Surface Two Stage	970	12.9	9.81	1.85	14	1 st Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	220	14.8	6.32	1.33	6	1 st Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
	DV Tool = 1450ft					
	180	12.9	9.81	1.85	14	2 nd Stage Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	140	14.8	6.32	1.33	6	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
5-1/2" Prod	370	10.9	20.6	3.31	24	Lead: (50:40:10) Class C: Silicalite: Enhancer 923 + 10% BWOC Bentonite + 0.05% BWOC SA-1015 + 0.3% BWOC HR-800 + 0.2% BWOC FE-2 + 0.125 lb/sk Pol-E-Flake + 0.5 lb/sk D-Air 5000
	2730	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
13-3/8" Surface	0'	100%
13-3/8" Surface – Two Stage Option	1 st Stage = 300' / 2 nd Stage = 0'	100%
9-5/8" Intermediate	0'	75%
9-5/8" Intermediate – Two Stage Option	1 st Stage = 1450' / 2 nd Stage = 0'	75%
5-1/2" Production Casing	5000'	25%