

MAY 16 2016

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SURFACE USE PLAN

Devon Energy Production Company, L.P.

The on-site inspection for these projects was performed on – 02/17/2015 CEHMM**Blue Krait 23 Fed 3H****1. Existing Roads:**

- a. The well site and elevation plat for the proposed well are reflected on the "Site Map". The well was staked by Madron Surveying, Inc.
- b. All roads into the location are depicted on the "Vicinity Map". The operator will repair pot holes, clear ditches, repair the crown, etc. All existing structures on the entire access route such as cattle guards, culverts, etc. will be properly repaired or replaced if they are damaged or have deteriorated beyond practical use. BLM written approval will be acquired before application of surfactants, binding agents, or other dust suppression chemicals on roadways.
- c. Directions to Location: Please see "Site Map". 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. 0.6 of a mile to Southeast pad corner.

**2. New or Reconstructed Access Roads:**

- a. The "Site Map" and "Access Road Plat" shows a new constructed access road that will run 3027 LF from an existing caliche lease road to the well location.
- b. The maximum driving width of the access road will be 14 feet. The maximum width of surface disturbance when constructing the access road will not exceed 25 feet. The road will be crowned and ditched with 2% slope from the tip of the crown to the edge of the driving surface. The ditches will be 3 feet wide with 3:1 slopes. The driving surface will be made of 6" rolled and compacted caliche.
- c. When cutting fences separating ownership lines of the rancher(s), Devon will install cattle guards to prevent the loss of cattle. Devon will assume responsibility for any damages that occur to fences when moving a rig in or out of the area. No turnouts are planned.

**3. Location of Existing Wells:**

The attached "One Mile Radius Map" shows all existing and proposed wells within a one-mile radius of the proposed location.

**4. Location of Existing and/or Proposed Production Facilities:**

- a. In the event the well is found productive, the Blue Krait Central Tank Battery would be utilized and shared, located in Sec 23-T24S-R33E. Padded with the Blue Krait 23 Fed 4H and 6H.
- b. Three 6" Fiber Flex Poly Flowlines buried in same ditch and three 6" Gas Lift Compression Lines from the Blue Krait 23 Fed 3H, 4H, and 6H to the Blue Krait CTB. See "Flowline Plat".
- c. If necessary, the well will be operated by means of an electric distribution line. We will connect to the electric distribution line that is on the South side of the pad. The run is 0 ft., coming on the South side of the pad.



- d. All flow lines will adhere to API standards.
- e. If the well is productive, rehabilitation plans are as follows:
  - i. A closed loop system will be utilized.
  - ii. The original topsoil from the well site will be returned to the location. The drill site will then be contoured as close as possible to the original state.

**5. Location and Types of Water Supply:**

This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads described and depicted on the "Vicinity Map". On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.

**6. Construction Materials:**

Obtaining caliche: One primary way of obtaining caliche to build locations and roads will be by "turning over" the location. This means caliche will be obtained from the actual well site. Actual amounts will vary for each pad. The procedure below has been approved by BLM personnel:

- a. The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.
- b. Subsoil is removed and stockpiled within the surveyed well pad.
- c. When caliche is found, material will be stock piled within the pad site to build the location and road.
- d. Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.
- e. Once well is drilled, the stock piled top soil will be used for interim reclamation and spread along areas where caliche is picked up and the location size is reduced.
- f. Neither caliche, nor subsoil will be stock piled outside of the well pad. Topsoil will be stockpiled along the edge of the pad as depicted in the Well Site Layout or survey plat.

In the event that no caliche is found onsite, caliche will be hauled in from a BLM approved caliche pit or other established mineral pit. A BLM mineral material permit will be acquired prior to obtaining any mineral material from BLM pits or land.

**7. Methods of Handling Waste Material:**

- a. Drill cuttings will be safely contained in a closed loop system and disposed of properly at a NMOCD approved disposal site.
- b. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier will pick up salts remaining after completion of well, including broken sacks.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.



- e. Remaining drilling fluids will be sent to a closed loop system. Water produced during completion will be put into a closed loop system. Oil and condensate produced will be put into a storage tank and sold.
- f. Fluids will be transported to an NMOCD approved facility and properly disposed.

**8. Ancillary Facilities:** No campsite or other facilities will be constructed as a result of this well.

**9. Well Site Layout**

- a. The Rig Location Layout attachment shows the proposed well site layout and pad dimensions.
- b. The Rig Location Layout attachment proposes location of sump pits and living facilities.
- c. Mud pits in the active circulating system will be steel pits.
- d. A closed loop system will be utilized. Devon will provide a copy of the Design Plan to the BLM.

**10. Plans for Surface Reclamation:**

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. The location and road will be rehabilitated as recommended by the BLM.
- c. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography. See "Interim Reclamation Diagram".
- d. All disturbed areas not needed for active support of production operations will undergo interim reclamation. The portions of the cleared well site not needed for operational and safety purposes will be recontoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Topsoil will be respread over areas not needed for all-weather operations. See "Interim Reclamation Diagram".

**11. Surface Ownership**

- a. The surface is owned by a Private Landowner and an agreement has been reached. The minerals are owned and administered by the U. S. Federal Government. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas. Landowner information as follows:
  - Mark McCloy Ranch
  - P.O. Box 795
  - Tatum, NM 88267
  - Telephone#: 806-683-6990
  - Contact: Jake Mitchell – Son in Law
- b. The proposed road routes and the surface location will be restored as agreed upon in the Surface Use Agreement.



**12. Other Information:**

- a. The area surrounding the well site is grassland. The topsoil is very sandy in nature. The vegetation is moderately sparse with native prairie grass, sage bush, yucca and miscellaneous weeds. No wildlife was observed but it is likely that deer, rabbits, coyotes, and rodents traverse the area.
- b. There is no permanent or live water in the general proximity of the location.
- c. There are no dwellings within 2 miles of location.
- d. A Cultural Resources Examination was initiated by Lone Mountain Archeological Services, Inc. and it was discovered that another contractor had recently cleared the same area as these projects. Lone Mountain consulted with the BLM and it was determined and agreed by the BLM that the cultural resource clearance was not needed. This cultural resource clearance included the Blue Krait 23 Fed 4H and 6H wells. These wells will share a pad with the Blue Krait 23 Fed 3H well. See the attached consultation letter to the BLM.

**13. Bond Coverage:**

Bond Coverage is Nationwide; Bond # is CO-1104; NMB-000801

**Operators Representative:**

The Devon Energy Production Company, L.P. representatives responsible for ensuring compliance of the surface use plan are listed below.

Trevor Klaassen – Completions Engineer  
Devon Energy Production Company, L.P.  
333 W. Sheridan  
Oklahoma City, OK 73102-5010  
(405) 552-5069 (office)  
(405) 850-5870 (Cellular)

Don Mayberry - Superintendent  
Devon Energy Production Company, L.P.  
Post Office Box 250  
Artesia, NM 88211-0250  
(575) 748-3371 (office)  
(575) 746-4945 (home)

## Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or Devon Energy Production Company, L.P. am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

I hereby also certify that I, or Devon Energy Production Company, L.P. have made a good faith effort to provide the surface owner with a copy of the Surface Use Plan of Operations and any Conditions of Approval that are attached to the APD.

Executed this 2nd day of November, 2015.

Printed Name: Brooke Milford

Signed Name: 

Position Title: Regulatory Specialist

Address: 333 W. Sheridan, OKC OK 73102

Telephone: (405)-228-3023



2625 PENNSYLVANIA NE, SUITE 2000

PHONE 505-881-0011



ALBUQUERQUE, NM 87110

FAX 505-881-0020

May 19, 2015

Hila Nelson  
BLM Carlsbad Field Office  
620 E. Green Street  
Carlsbad, NM 88220

**RE: Cultural Resource Clearance for the Blue Krait 23 Federal 4H and 6H Well Pad for Devon Energy**

Dear Ms. Nelson:

On May 19, 2015, Thor Dye with Lone Mountain Archaeological Services, Inc. consulted with you regarding the need for cultural resource clearance for the above mentioned well pad. During that meeting you affirmed that no new cultural resource survey was required for this undertaking.

I have attached a copy of the plat and BLM GIS for your records.

Regards,

*Cathy Travis*  
Cathy Travis  
President