

OCT 18 2012



STATE OF MISSOURI  
GEOLOGICAL SURVEY PROGRAM  
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL     DEEPEN     PLUG BACK     FOR AN OIL WELL     OR GAS WELL

NAME OF COMPANY OR OPERATOR Kansas Resource Exploration and Development, LLC		DATE 10/10/2012	
ADDRESS 9393 West 110th St., Suite 500	CITY Overland Park	STATE KS	ZIP CODE 66210

**DESCRIPTION OF WELL AND LEASE**

NAME OF LEASE Clark-Berry	WELL NUMBER CB-19	ELEVATION (GROUND) 1068'
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WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
 1400' ft. from  North  South section line    2039' ft. from  East  West section line

WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	LATITUDE N38 48' 21.51"	LONGITUDE W94 34' 28.67"	COUNTY Cass
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NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 672' FEET  
 DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 373' FEET

PROPOSED DEPTH 700' elev. 368'	DRILLING CONTRACTOR, NAME AND ADDRESS Utah Oil, LLC	ROTARY OR CABLE TOOLS Rotary	APPROX. DATE WORK WILL START 11/01/2012
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NUMBER OF ACRES IN LEASE 370	NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7	NUMBER OF ABANDONED WELLS ON LEASE 0
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IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NAME DE Exploration ADDRESS 4595 Highway K33, Wellsville, KS 66092	NO. OF WELLS PRODUCING 4 INJECTION 2 INACTIVE 0 ABANDONED 0
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STATUS OF BOND	<input type="checkbox"/> SINGLE WELL AMOUNT \$ _____	<input checked="" type="checkbox"/> BLANKET BOND AMOUNT \$ 160,000	<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED
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REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM				APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	8 sks	20'	8 5/8"	20	Full length
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE BSK	DATE 10/15/12
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PERMIT NUMBER 037-21143	<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED	<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN
APPROVED DATE 12-5-12	<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN	<input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN
APPROVED BY Joseph A. [Signature]	<input type="checkbox"/> SAMPLES REQUIRED	
	<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED	
	<input type="checkbox"/> WATER SAMPLES REQUIRED AT	

**NOTE** ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE B. Leech	DATE 10/16/12
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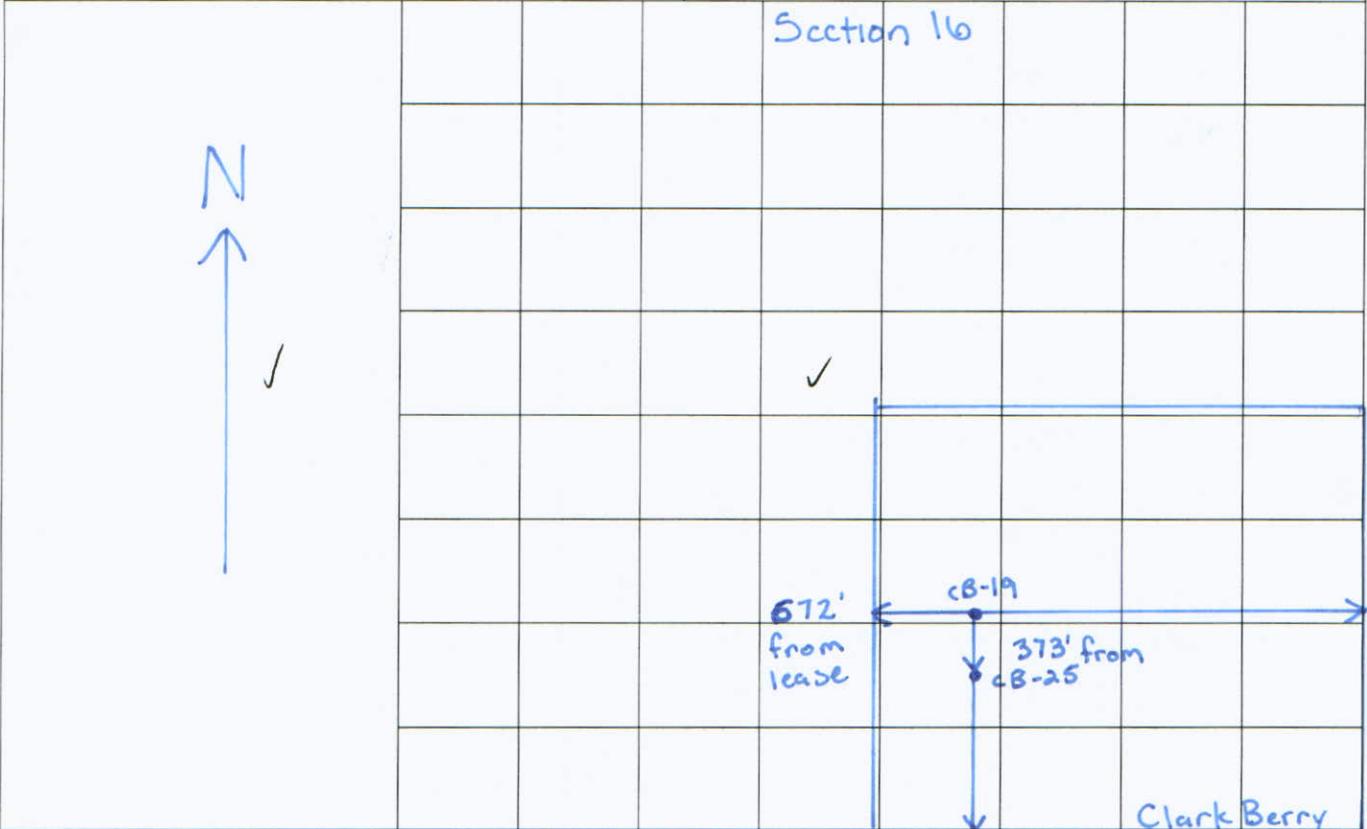
R 480' below TD  
M



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**WELL LOCATION PLAT**

FORM OGC-4

OWNER'S NAME Kansas Resource Exploration & Development	
LEASE NAME Clark-Berry CB-19	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1400 ✓ ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 2039 ✓ ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 48' 21.51" ✓	LONGITUDE W94° 34' 28.67" ✓

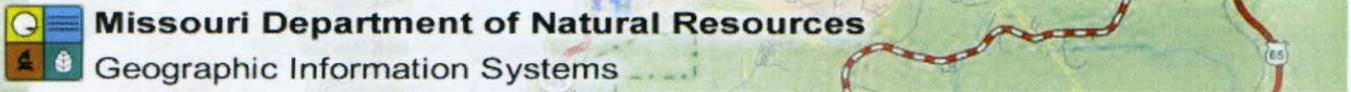


REMARKS  
Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.

**INSTRUCTIONS**  
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

<p>REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED</p>	REGISTERED LAND SURVEYOR	NUMBER
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## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

<input type="button" value="Submit"/>	<b>UTM Zone 15N [Easting, Northing]</b> [ 363274.6, 4296423.3 ] meters <b>Decimal Degrees [Lat, Lon]</b> [ 38.805975°, -94.574631° ] <b>Deg, Min, Sec [Lat, Lon]</b> [ 38° 48' 21.5", -94° 34' 28.6" ] <b>County Name</b> Cass <b>County FIPS Code</b> 037 <b>Legal Description</b> Section 16 T46N R33W <b>Municipality</b> NO VALUE <b>House District</b> 123 <b>Senate District</b> 31 <b>Congressional District</b> 5 <b>MoDNR Region</b> Kansas City Regional Office <b>USGS 1:24,000 Quadrangle</b> Belton [38094-G5] <b>8 Digit Watershed</b> 10290108 [South Grand] <b>10 Digit Watershed</b> 1029010801 [Headwaters South Grand River] <b>12 Digit Watershed</b> 102901080101 [East Creek] <b>Special Well Drilling Area</b> Area 2 <b>Ecological Drainage Unit</b> Central Plains/Osage/South Grand <b>Level III Ecoregion</b> Central Irregular Plains <b>Query Time</b> 6.437 s
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Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

$\frac{P}{M}$ : 229' elev.  $P_c - M$ : 345'

Well ID: #026255

$P_c$ : 535' TD

1068 - 535 - 345

$\Rightarrow \frac{P}{M} \sim 188'$  elev.

Universal Transverse Mercator [Zone 15 North]
 

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 Easting  
 363274.6436461314 meters  
 Northing  
 4296423.3457464455 meters

Decimal Degrees
 

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 Latitude  
 38.805975 °  
 Longitude  
 -94.57463055555556 °

Degrees, Minutes and Seconds
 

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 Latitude Degrees  
 38 °  
 Latitude Minutes  
 48 '  
 Latitude Seconds  
 21.51 ''  
 Longitude Degrees  
 -94 °  
 Longitude Minutes  
 34 '  
 Longitude Seconds  
 28.67 ''

**Metadata**

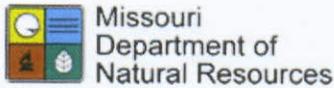
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
-  Interstate Highways
  -  US Highways
  -  State Highways
  -  Railroad
  -  Major and Minor Roads
  -  County Boundary
  -  Lakes
  -  Major Rivers
  -  Rivers and Streams
  -  Missouri River
  -  Mississippi River
  -  Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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