

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: 02/01/2013
ADDRESS: 9393 West 110th St., Suite 500
CITY: Overland Park
STATE: KS
ZIP CODE: 66210

DESCRIPTION OF WELL AND LEASE
NAME OF LEASE: MacLaughlin
WELL NUMBER: E-14
ELEVATION (GROUND): 1042'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
1320 ft. from South section line
3630 ft. from East section line

WELL LOCATION: Sec. 4 Township 46 North Range 33 West
LATITUDE: N38 50' 7.92"
LONGITUDE: W94 34' 41.02"
COUNTY: Cass 037

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 602 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 330 FEET

PROPOSED DEPTH: 700' 342' EIV
DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC
ROTARY OR CABLE TOOLS: Rotary
APPROX. DATE WORK WILL START: 03/01/2013

NUMBER OF ACRES IN LEASE: 138
NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 18
NUMBER OF ABANDONED WELLS ON LEASE: 0

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: 14
INJECTION: 3
INACTIVE: 0
ABANDONED: 0

STATUS OF BOND: SINGLE WELL AMOUNT \$ BLANKET BOND AMOUNT \$ 280,000
ON FILE ATTACHED

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)
PRODUCER

Table with 2 main columns: PROPOSED CASING PROGRAM and APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST. Rows include AMOUNT, SIZE, WT/FT, and CEMENT for different well depths.

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: [Signature] DATE: 2/1/13

PERMIT NUMBER: 21205
APPROVED DATE: 3-4-12
APPROVED BY: [Signature]
DRILLER'S LOG REQUIRED, CORE ANALYSIS REQUIRED IF RUN, E-LOGS REQUIRED IF RUN, DRILL SYSTEM TEST INFO REQUIRED IF RUN, SAMPLES REQUIRED, SAMPLES NOT REQUIRED, 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: [Signature] DATE: 2-4-13

Handwritten note: IP ~ 225' EIV (CONSERVATIVE) VALUE



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

Mo Oil & Gas Council

OWNER'S NAME
Kansas Resource Exploration & Development, LLC

LEASE NAME
MacLaughlin E-14

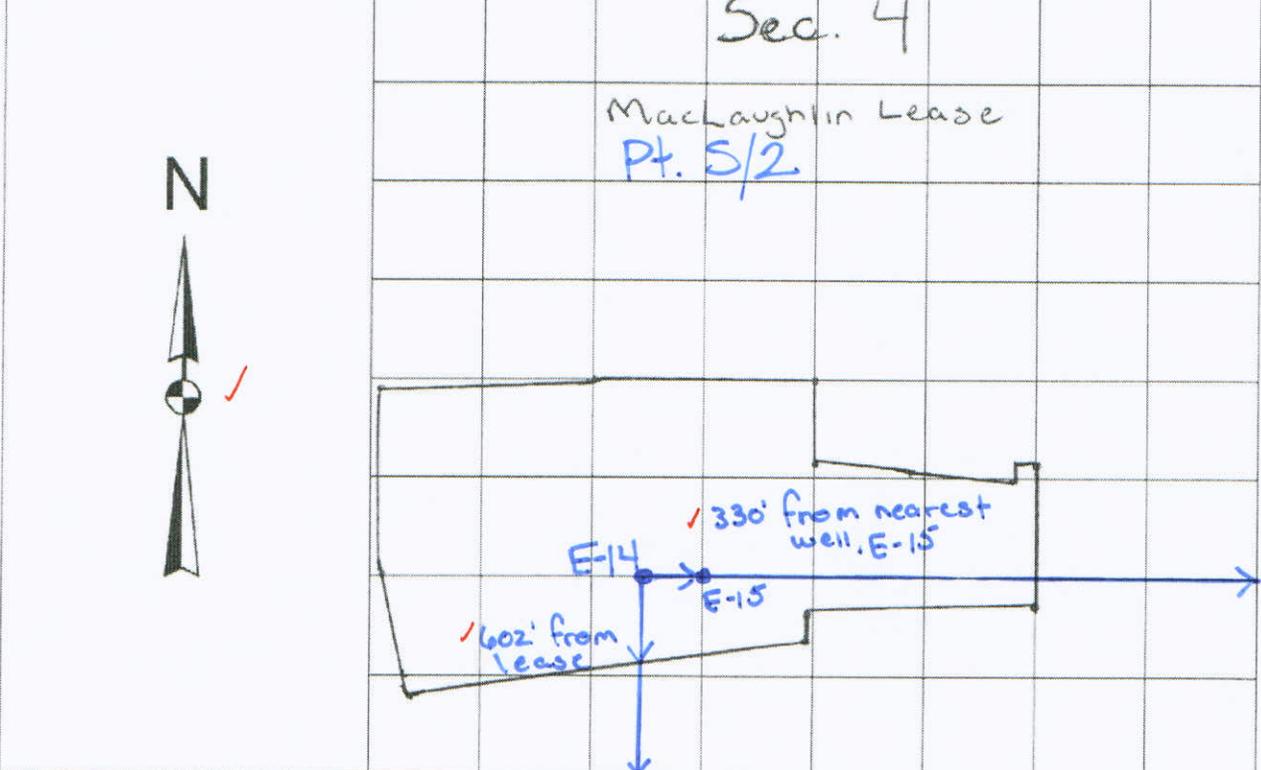
COUNTY
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
✓ 1320 ft. from North South section line 3630 ft. from East West section line ✓

WELL LOCATION
Sec. 4 Township 46 North Range 33 East West

LATITUDE
N38° 50' 7.92" ✓

LONGITUDE
W94° 34' 41.02" ✓



REMARKS
Plat Map Scale - 1 Square = 660 feet ✓

✓ 1320' FSL

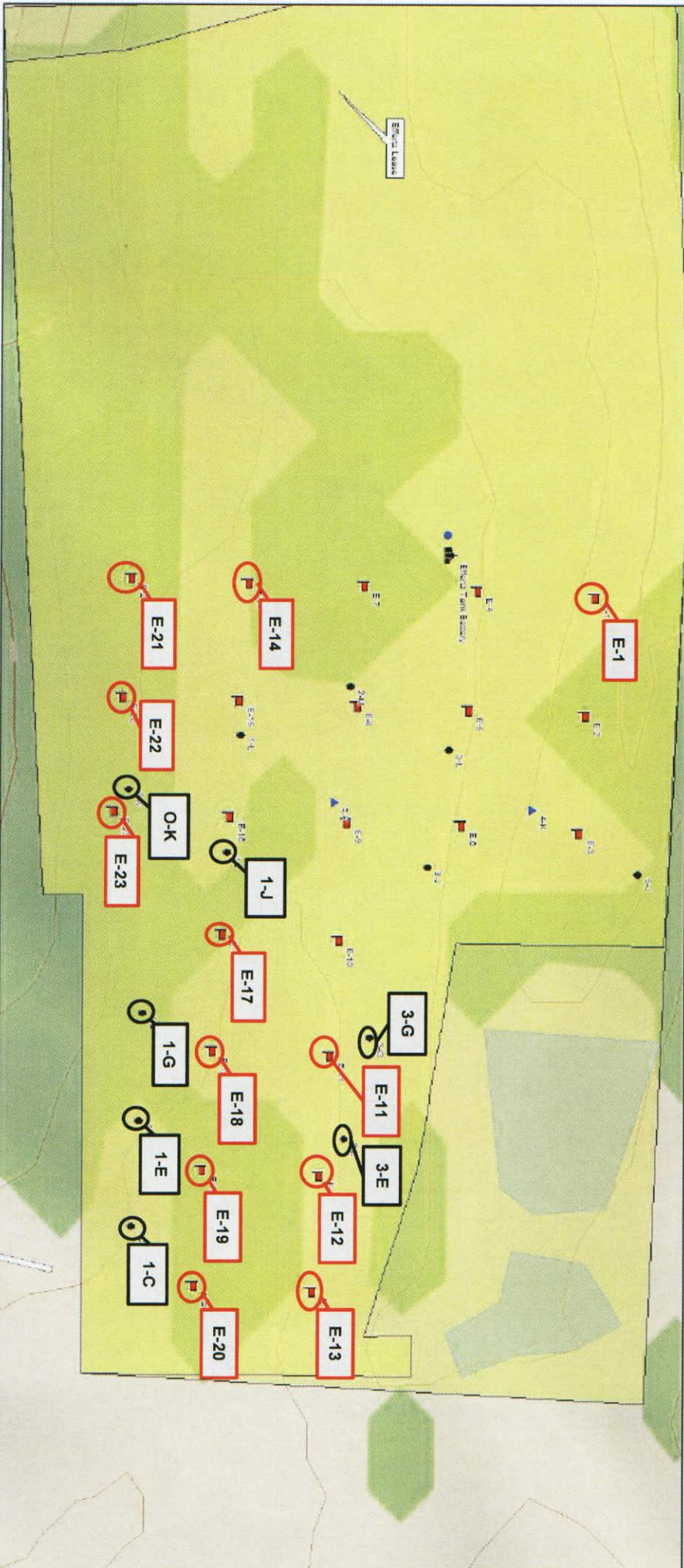
INSTRUCTIONS

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.

REGISTERED LAND SURVEY NUMBER

- O** – Circled wells in red are new permits greater than 330' from any well
- O** – Circled wells in black are plugged existing wells



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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).

Universal Transverse Mercator [Zone 15 North]

 Easting meters
 Northing meters

Decimal Degrees

 Latitude °
 Longitude °

Degrees, Minutes and Seconds

 Latitude Degrees °
 Latitude Minutes '
 Latitude Seconds ''
 Longitude Degrees °
 Longitude Minutes '
 Longitude Seconds ''

UTM Zone 15N [Easting, Northing]	[363033.4, 4299708.7] meters
Decimal Degrees [Lat, Lon]	[38.835533°, -94.578062°]
Deg, Min, Sec [Lat, Lon]	[38° 50' 7.9", -94° 34' 41.0"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 04 T46N R33W
Municipality	Belton
House District	56
Senate District	31
Congressional District	4
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10300101 [Lower Missouri-Crooked]
10 Digit Watershed	1030010101 [Blue River]
12 Digit Watershed	103001010104 [Camp Branch-Blue River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Blackwater/Lamine
Level III Ecoregion	Central Irregular Plains
Query Time	7.922 s

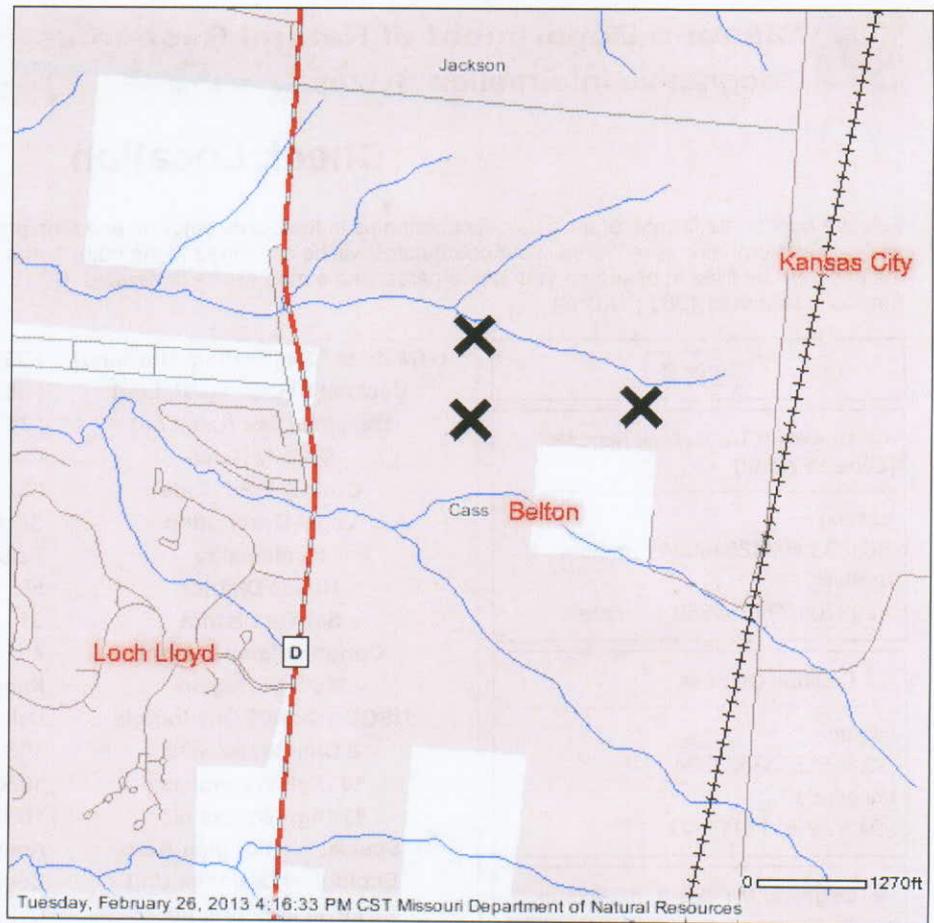
Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

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.

Metadata

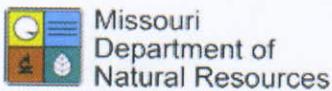
- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)

- Legend**
-  Interstate Highways
 -  US Highways
 -  State Highways
 -  Railroad
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 -  County Boundary
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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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