



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED

FORM OGC-3

OCT 10 2012

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

10/02/2012

ADDRESS

9393 West 110th St., Suite 500

CITY

Overland Park

STATE

KS

ZIP CODE

66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Belton Unit

WELL NUMBER

AD 15-2

ELEVATION (GROUND)

1070'

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

1488 ft. from North South section line 1083 ft. from East West section line

WELL LOCATION

Sec. 9 Township 46 North Range 33 East West

LATITUDE

N38 49' 11.681"

LONGITUDE

W94 34' 18.344"

COUNTY

Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1083 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 136 FEET

PROPOSED DEPTH

700' -36'

DRILLING CONTRACTOR, NAME AND ADDRESS

Utah Oil, LLC

ROTARY OR CABLE TOOLS

Rotary

APPROX. DATE WORK WILL START

10/20/2012

NUMBER OF ACRES IN LEASE

560

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 142

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 69

INJECTION 64

INACTIVE 8

ABANDONED 0

STATUS OF BOND

SINGLE WELL AMOUNT \$

BLANKET BOND AMOUNT \$ 160,000

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)

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"	20.5	6 sks	20'	8 5/8"	20.5	Full length
700'	4 1/2"	10.5	125 sks	700'	4 1/2"	10.5	Full length

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

TSK

DATE

10/9/12

PERMIT NUMBER

21167

DRILLER'S LOG REQUIRED

E-LOGS REQUIRED IF RUN

APPROVED DATE

11-13-12

CORE ANALYSIS REQUIRED IF RUN

DRILL SYSTEM TEST INFO REQUIRED IF RUN

APPROVED BY

Joseph A. [Signature]

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

B. Leech

DATE

10/9/12

B.M. 240' ABOVE TD

SPECIAL PROJECT



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

FORM 600-4

OWNER'S NAME
 Kansas Resource Exploration & Development

LEASE NAME
 Belton Unit AD 15-2

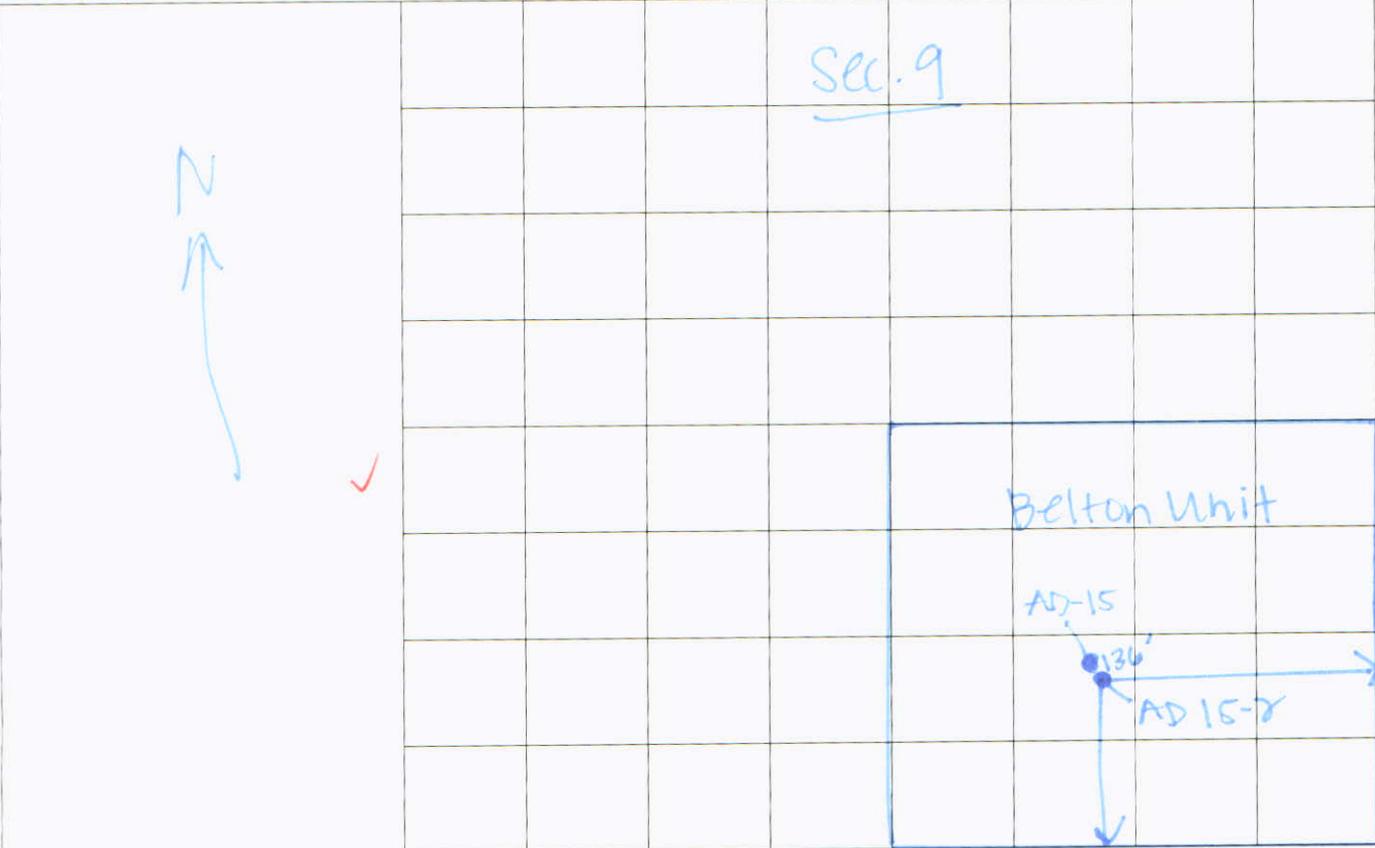
COUNTY
 Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
 1083 ft. from North South from section line 1488 ft. from East West from section line

WELL LOCATION
 Sec. 9 Township 46 North Range 33 East West

LATITUDE
 N38° 49' 11.681"

LONGITUDE
 W94° 34' 18.344"



REMARKS

Scale - 1 square = 660 feet

INSTRUCTIONS

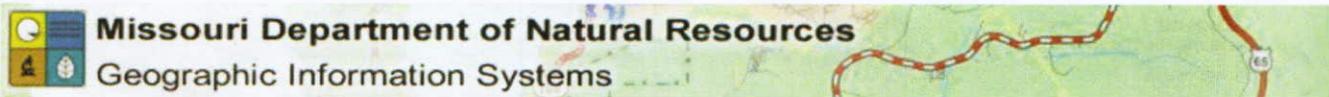
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.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

REMIT TWO (2) COPIES TO:
 GEOLOGICAL SURVEY PROGRAM
 PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143
 ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER



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).

Submit

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]	[363550.3, 4297965.6] meters
Decimal Degrees [Lat, Lon]	[38.819911°, -94.571763°]
Deg, Min, Sec [Lat, Lon]	[38° 49' 11.6", -94° 34' 18.3"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 09 T46N R33W
Municipality	Belton
House District	123
Senate District	31
Congressional District	5
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	7.438 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
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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.



P.O. Box 176, Jefferson City, MO 65102
 800-361-4827 / 573-751-3443
 E-mail: contact@dnr.mo.gov



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

FORM OGC-5

NEW WELL WORKOVER DEEPEN PLUG BACK INJECTION SAME RESERVOIR DIFFERENT RESERVOIR OIL GAS DRY

OWNER Kansas Resource Exploration & Development, LLC		ADDRESS 9393 W. 110th St., Ste #500, Overland Park, KS 66210	
LEASE NAME Belton Unit		WELL NUMBER AD 15-2	
LOCATION OF WELL Sec. 9 Twp 46 North, Rng 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West OR 1488 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South 1083 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West		LATITUDE N38 49' 11.66"	LONGITUDE W94 34' 18.34"
COUNTY Cass	PERMIT NUMBER (OGC-3 OR OGC-31) 037-21167		
DATE SPUNDED 11/19/2012	DATE TOTAL DEPTH REACHED 11/20/2012	DATE COMPLETED READY TO PRODUCE OR INJECT 11/27/2012	ELEVATION (DF, RKR, RT, OR Gr.) FEET 1070'
TOTAL DEPTH 742'	PLUG BACK TOTAL DEPTH 703'		ELEVATION OF CASING HD. FLANGE FEET 1070'
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION 540-580		ROTARY TOOLS USED (INTERVAL) 8 TO 742	CABLE TOOLS USED (INTERVAL) N/A
WAS THIS WELL DIRECTIONALLY DRILLED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	WAS DIRECTIONAL SURVEY MADE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DRILLING FLUID USED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DATE FILED N/A
TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST) Gamma Ray/Neutron/GCL No Logs		WAS COPY OF DIRECTIONAL SURVEY FILED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	DATE FILED 11/25/2012

CASING RECORD

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	12 1/4"	8 5/8"	20#	20'	8	0
Longstring	6 1/2"	4 1/2"	10.5#	727'	83	0

TUBING RECORD				LINER RECORD			
SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
2 3/8 INCH	680 FEET	N/A FEET	N/A INCH	N/A FEET	N/A FEET	N/A	N/A FEET

PERFORATION RECORD			ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD	
NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 3/8" DP 23 GR.	540-580	60 sks, 20/40 sand	540-580

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION 11/27/2012		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) Pumping					
DATE OF TEST 11/27/2012	HOURS TESTED 24	CHOKE SIZE N/A	OIL PRODUCED DURING TEST 5 BBLs	GAS PRODUCED DURING TEST 0 MCF	WATER PRODUCED DURING TEST 5 BBLs	OIL GRAVITY 24 API (CORR.)	
TUBING PRESSURE 0	CASING PRESSURE 0	CALCULATED RATE OF PRODUCTION PER 24 HOURS 5		OIL 5 BBLs	GAS 0 MCF	WATER 5 BBLs	GAS OIL RATIO 0

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)
Vented

METHOD OF DISPOSAL OF MUD PIT CONTENTS
Air dry

Chief Operating Officer **KRED, LLC** ~~Operating, LLC~~

CERTIFICATE: I, the Undersigned, state that I am the _____ of the _____ (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.

DATE 11/25/2013	SIGNATURE
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INSTRUCTIONS: Attach drillers log or other acceptable log of well.

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
See Attached Logs			

Thickness	Formation	Comment	Depth	Thickness	Formation	Comment	Depth
12	Clay		12	10	SAND	GREY	512
16	Lime		28	15	SAND	Bleeding	532
26	Shale		54	10	SAND	Shaley	542
11	Lime		65	10	SAND	Grey	552
15	Shale		80	10	Shale	LITTLE SAND	562
8	Lime		88	4	Shale		566
12	Shale		100	11	SAND	Good Bleeding	577
9	Lime		104	5	Shale SAND		582
35	Shale		139	20	SAND	Good Bleeding	602 Bottom Sq SS.
2	Lime		141	140	Shale		742: Verdigris Oakley shale
8	Shale		149			TD 742	
27	Lime		176				
9	Shale		185				
19	Lime		204				
4	Shale		208				
3	Lime		211				
3	Shale		214				
6	Lime	Kc.	220		Pawnee Limestone		
178	Shale		398		Lawette Shale		
4	Lime		402		Higginsville Lime		
14	Shale		416		Summit Coal 410-412		
5	Lime		421		Blackjack Creek Lime		
3	Shale		424				
3	Lime		427				
11	Shale		438				
4	Lime		442				
1	Shale		443				
7	Lime		450				
2	Shale		452		Mulkey Coal 451-452		
3	Lime		455		Blackjack Creek Lime		
8	Shale		463				
3	Lime		466				
11	Shale	Shaw or LITTLE SAND	477		Top Squirmed Sand		
1	Lime		478				
29	SAND	Good Bleeding	507				

