

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

FEB 22 2012

Mo Oil & Gas Council

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: 02/18/2012

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 20    ELEVATION (GROUND): 1071'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES): 1520 ft. from  North  South section line    1891 ft. from  East  West section line

WELL LOCATION: Sec. 9 Township 46 North Range 33  East  West    LATITUDE 16.2    LONGITUDE 23.2    COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 749 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 270 FEET

PROPOSED DEPTH: 700'    DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC    ROTARY OR CABLE TOOLS: Rotary    APPROX. DATE WORK WILL START: 04/01/2012

NUMBER OF ACRES IN LEASE: 560    NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 87    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: 50    INJECTION: 28    INACTIVE: 8    ABANDONED: 0

STATUS OF BOND:  SINGLE WELL AMOUNT \$ \_\_\_\_\_     BLANKET BOND AMOUNT \$ 80,000     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"		6 sks	20'	8 5/8"	~15	Full
700'	4 1/2"		125 sks	700'	4 1/2"	~10	Length

I, the Undersigned, state that I am the Operator 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: *BK*    DATE: 02/18/2012

PERMIT NUMBER: 037-20872     DRILLER'S LOG REQUIRED     E-LOGS REQUIRED IF RUN

APPROVED DATE: 3-1-12     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: 2-18-12

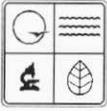
04/140  
3/1/12

Belton

# RECEIVED

FORM OGC-4

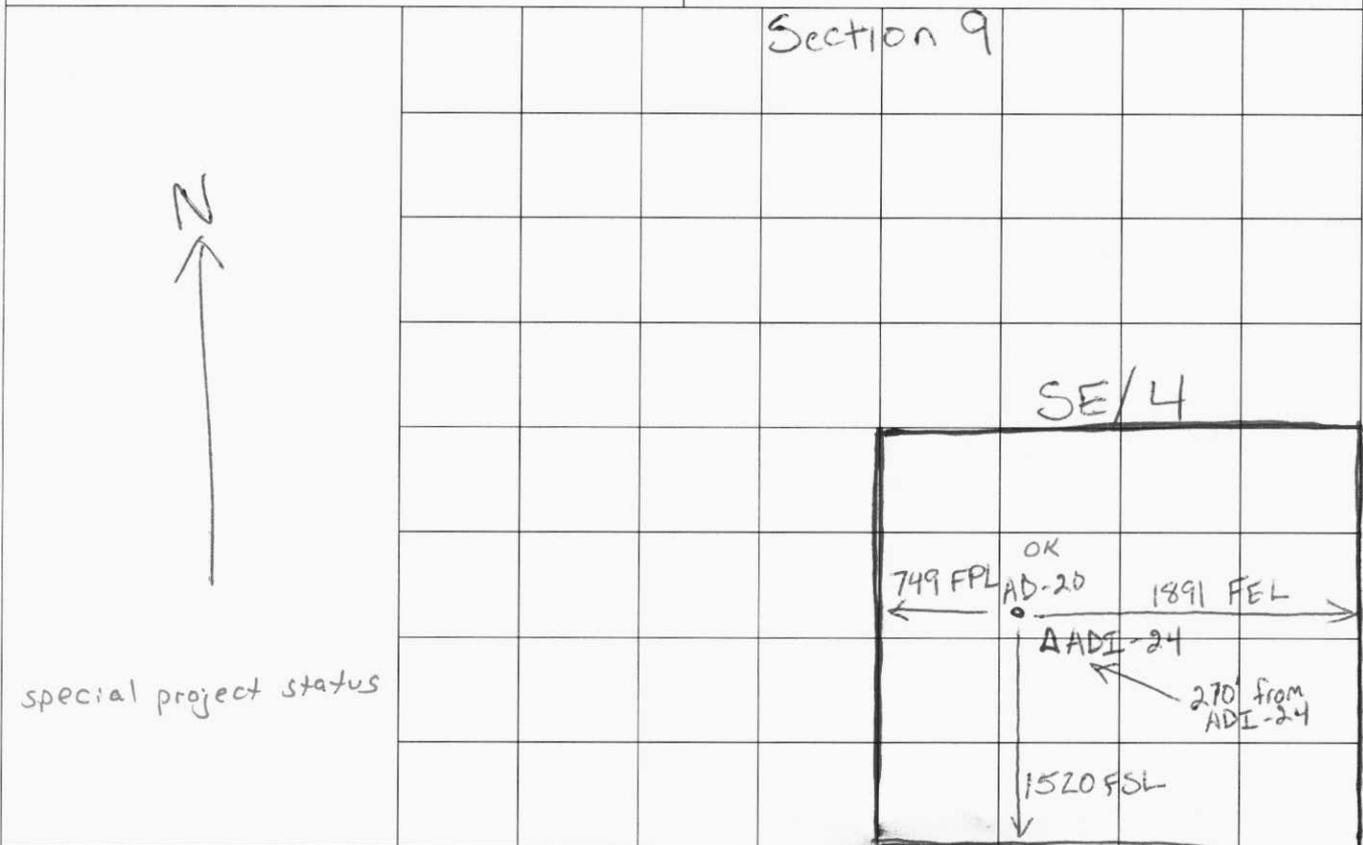
FEB 22 2012



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

## Mo Oil & Gas Council

OWNER'S NAME Kansas Resource Exploration & Development	
LEASE NAME Belton Unit AD 20	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1520 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 1891 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 9 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38 49.271	LONGITUDE W94 34.387



REMARKS

**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



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM

FORM OGC-5

**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

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-20

LOCATION OF WELL: Sec. 9, Twp 46 North, Rng 33 East West OR 1520 ft. from North South 1891 ft. from East West LATITUDE: N38 49' 16.2" LONGITUDE: W94 34' 23.2"

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 037-20872

DATE SPUDDED: 3/29/2012 DATE TOTAL DEPTH REACHED: 3/30/2012 DATE COMPLETED READY TO PRODUCE OR INJECT: 6/11/2012 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 1071' ELEVATION OF CASING HD. FLANGE FEET: 1071

TOTAL DEPTH: 760' PLUG BACK TOTAL DEPTH: 706.81'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 526-546, 570-595, 605-615 ROTARY TOOLS USED (INTERVAL): 0 TO 760 CABLE TOOLS USED (INTERVAL): N/A

WAS THIS WELL DIRECTIONALLY DRILLED?  Yes  No WAS DIRECTIONAL SURVEY MADE?  Yes  No WAS COPY OF DIRECTIONAL SURVEY FILED?  Yes  No DATE FILED: N/A

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST): Gamma Ray/Neutron/CCL DATE FILED: 11/25/2013

**CASING RECORD**

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	12 1/4"	8 5/8"	20#	22.7'	8	0
Longstring	6 1/2"	4 1/2"	10.5#	740.69'	85	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.	526-546 570-595 605-615	160 sks, 20/40 sand	526-546 570-590 605-615

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION: 6/11/2012 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): Pumping

DATE OF TEST: 6/11/2012 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

CERTIFICATE: I, the Undersigned, state that I am the Chief Operating Officer of the KRED, LLC (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: *[Signature]*

**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			

# Belton Unit AD-20

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
26	lime	36
26	shale	62
11	lime	73
19	shale	92
4	lime	96
31	shale	127
6	lime	133
26	shale	159
14	lime	173
2	shale	175
14	lime	189
10	shale	199
15	lime	214
13	shale	227
5	lime	232 Pawnee limestone
177	shale	409 Lapette shale
3	lime	412 Higginsville lime
40	shale	452 Summit Coal 420-422
7	lime	459 Blackjack creek lime
10	shale	469 Mulkey Coal 459-460
6	broken sand	475 very lite bleeding Top Squirrel
41	shale	516
8	broken sand	524 lite bleeding
3	grey sand	527
3	broken sand	530 good bleeding
4	oil sand	534
5	broken sand	539 good bleeding
7	oil sand	546 great bleeding
3	silty shale	549
3	broken sand	552 good bleeding
18	silty shale	570
8	oil sand	578 good bleeding
4	broken sand	582 good bleeding
13	oil sand	595 great bleeding
5	broken sand	600
5	shale	605
7	broken sand	612 good bleeding
8	black sand	620 lite bleeding Bottom Squirrel

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1	coal	621
6	shale	627
4	lime	631 verdigris
129	shale	760 TD Oakley

Drilled a 12 1/4" hole to 22.7'

Drilled a 6 1/2" hole to 760'

Set 22.7' of 8 5/8" surface casing cemented with 8 sacks of cement.

