

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

**RECEIVED**  
FORM OGC-3

FEB 08 2012  
FEB 08 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: 12/01/2011  
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: R-32    ELEVATION (GROUND): 1,086 feet

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES): 4,894 ft. from  North  South section line    1,688 ft. from  East  West section line

WELL LOCATION: Sec. 16 Township 46 North Range 33  East  West    LATITUDE 55.8    LONGITUDE 21.6    COUNTY: Cass  
n38 48.93'    w94 34.36'

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 1,688 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 272 FEET

PROPOSED DEPTH: 650'    DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC    ROTARY OR CABLE TOOLS: Rotary    APPROX. DATE WORK WILL START: 02/06/2012

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
650'	4 1/2"		125 sks	650'	4 1/2"	~10	Length

OK/1/12  
2/23/12

I, the Undersigned, state that I am the Agent 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: *B.K.*    DATE: 01/18/2012

PERMIT NUMBER: 037-20863    APPROVED DATE: 2-23-12    APPROVED BY: *Joseph A. [Signature]*

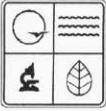
DRILLER'S LOG REQUIRED     E-LOGS REQUIRED IF RUN  
 CORE ANALYSIS REQUIRED IF RUN     DRILL SYSTEM TEST INFO REQUIRED IF RUN  
 SAMPLES REQUIRED     SAMPLES NOT REQUIRED  
 WATER SAMPLES REQUIRED AT \_\_\_\_\_

**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: *B. Leech*    DATE: 2/4/12



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

FEB 08 2012

FORM OGC-4

OWNER'S NAME  
Kansas Resource Exploration & Development

LEASE NAME  
Belton Unit

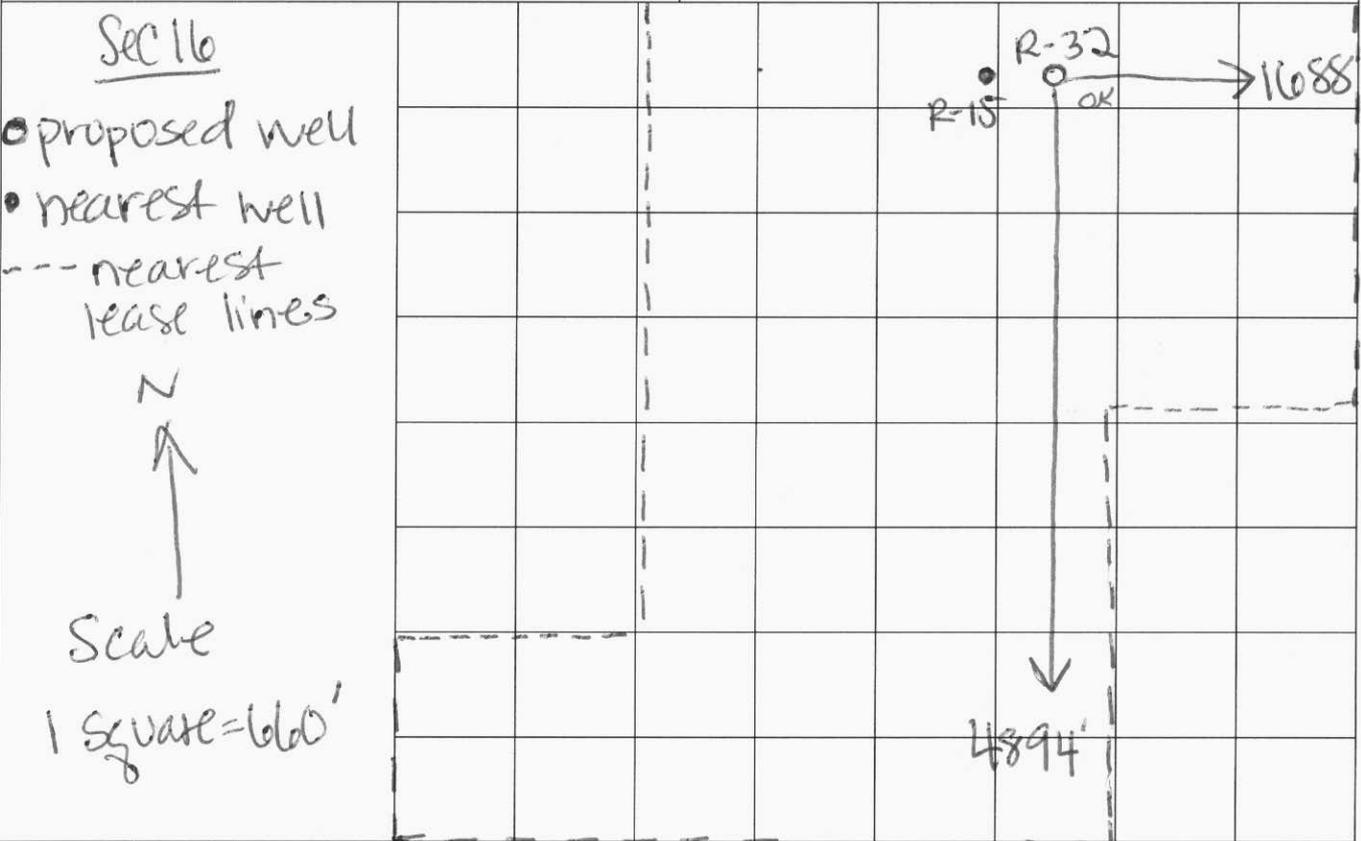
COUNTY  
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
4894 ft. from  North  South from section line 1688 ft. from  East  West from section line

WELL LOCATION  
Sec. 16 Township 46 North Range 33  East  West

LATITUDE  
N38 48.93'

LONGITUDE  
W94 34.36'



REMARKS  
Special project status  
section 16 is odd shaped. see attached map.

**INSTRUCTIONS**

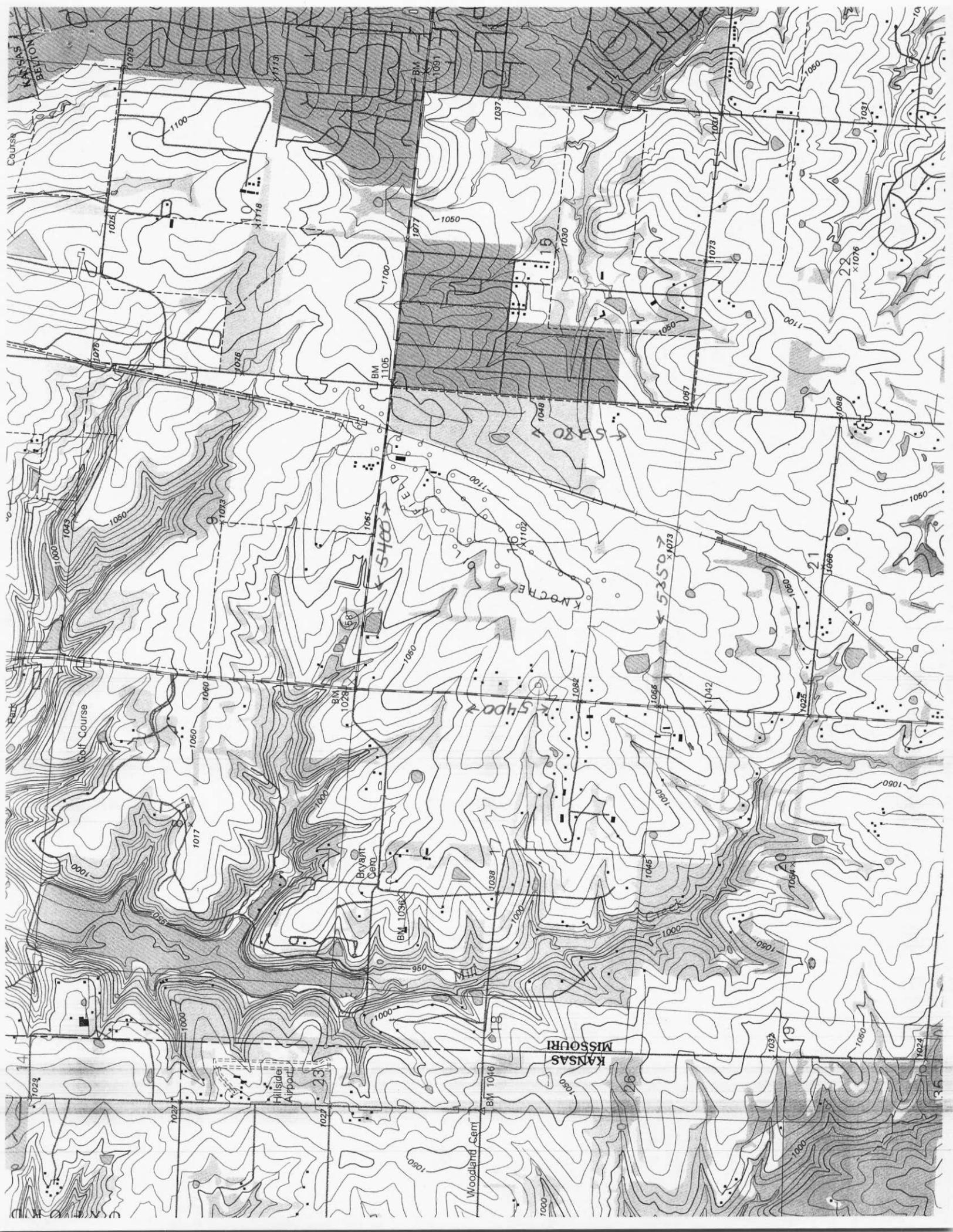
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. 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  
**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 Street, Ste. 500, Overland Park, KS 66210

LEASE NAME: Belton  
WELL NUMBER: E-32

LOCATION OF WELL: Sec. 16 Twp 46 North, Rng 23 East West OR 4094 ft. from North South 1688 ft. from East West  
LATITUDE: N39 48  
LONGITUDE: W94 34 21.6

COUNTY: Cass  
PERMIT NUMBER (OGC-3 OR OGC-31): 031-20863

DATE SPUNDED: 4.1.12  
DATE TOTAL DEPTH REACHED: 4.2.12  
DATE COMPLETED READY TO PRODUCE OR INJECT: 5.25.12  
ELEVATION (DF, RKR, RT, OR Gr.) FEET: 1086  
ELEVATION OF CASING HD. FLANGE FEET: 1086

TOTAL DEPTH: 750  
PLUG BACK TOTAL DEPTH:

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 570-600, 610-642  
ROTARY TOOLS USED (INTERVAL): 0 TO 750  
CABLE TOOLS USED (INTERVAL): N/A  
DRILLING FLUID USED:

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

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST): Gamma Ray/Neutron/CCL  
DATE FILED: 02/19/2014

**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#	23.6	8	0
Longstring	6 1/2"	4 1/2"	10.5#	750	100	0

**TUBING RECORD**

**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
2 3/8 INCH	750 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 FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 3/8" DP 23 GR.	570-600 610-642	60 sks, 20/40 sand	570-600 610-642

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION: 5.25.12  
PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.):

DATE OF TEST: 5.25.12  
HOURS TESTED: 24  
CHOKE SIZE: N/A  
OIL PRODUCED DURING TEST: 10 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: 10  
OIL: 10 BBLs  
GAS: 0 MCF  
WATER: 5 BBLs  
GAS OIL RATIO: 0

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

METHOD OF DISPOSAL OF MUD PIT CONTENTS: Air Dry

**CERTIFICATE:** I, the Undersigned, state that I am the CEO of the kred (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: 02/19/2014  
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)

# Belton R-32

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
33	lime	43
27	shale	70
12	lime	82
18	shale	100
3	lime	103
62	shale	165
29	lime	194
9	shale	203
19	lime	222
10	shale	232
5	lime	237
160	shale	397
12	lime	409
8	shale	417
5	lime	422
14	shale	436
8	lime	444
38	shale	482
31	grey sand	513
15	shale	528
19	grey sand	547
4.7	broken sand	551.7
0.8	oil sand	552.5
1.5	shale	554
10.5	broken sand	564.5
6	silty shale	570.5
2.5	broken sand	573
1	oil sand	574
3	broken sand	577
1.5	oil sand	578.5
0.5	sand	579
6	oil sand	585
1	limey sand	586
17	oil sand	603
4	limey sand	607
35	broken sand	642
108	shale	750

*Base Pawnee lime*

*Labette Shale*

*Higginsville Lime*

*Summit Coal*

*Blackjack Creek lime*

*Mulky Coal*

*Top Squimel sand*

*Base Squimel sand*

*750 TD Oakley, Verdigris*

Drilled a 12 1/4" hole to 21'

Drilled a 6 1/2" hole to 750'

Set 21' of 8 5/8" surface casing cemented with 8 sacks of cement.