

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

**RECEIVED**  
FORM OGCS

FEB 08 2012  
FEB 08 2012

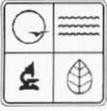
Mo Oil & Gas Council

<input checked="" type="checkbox"/> APPLICATION TO DRILL		<input type="checkbox"/> DEEPEN		<input type="checkbox"/> PLUG BACK		<input checked="" type="checkbox"/> FOR AN OIL WELL		<input type="checkbox"/> 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	
<b>DESCRIPTION OF WELL AND LEASE</b>									
NAME OF LEASE Belton Unit				WELL NUMBER R-31		ELEVATION (GROUND) 1,079 feet			
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 5,258 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 1,700 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line									
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West				LATITUDE 59.4 n38 48.99'		LONGITUDE 21.6 w94 34.26'		COUNTY Cass	
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1,700 FEET									
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 248 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		<input type="checkbox"/> SINGLE WELL AMOUNT \$ _____			<input checked="" type="checkbox"/> BLANKET BOND OK AMOUNT \$ 80,000			<input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> 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)									
<b>PROPOSED CASING PROGRAM</b>				<b>APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST</b>					
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		
I, the Undersigned, state that I am the <u>Agent</u> of the <u>K.R.E.D.</u> (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 <i>[Signature]</i>						DATE 01/18/2012			
PERMIT NUMBER 037-20862			APPROVED DATE 2-23-12			APPROVED BY <i>[Signature]</i>			
		<input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED		<input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN		<input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN		<input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN	
		<input type="checkbox"/> SAMPLES REQUIRED		<input checked="" type="checkbox"/> SAMPLES NOT REQUIRED		<input type="checkbox"/> WATER SAMPLES REQUIRED AT			
<b>NOTE</b> ▶ 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, <u>B. Leech</u> of the _____ (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 <i>B. Leech</i>						DATE 2/4/12			

02/23/12  
OK/KR

Belton 38.816S -94.57

FEB 08 2012  
FORM OGC-4



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

OWNER'S NAME  
Kansas Resource Exploration & Development

LEASE NAME  
Belton Unit

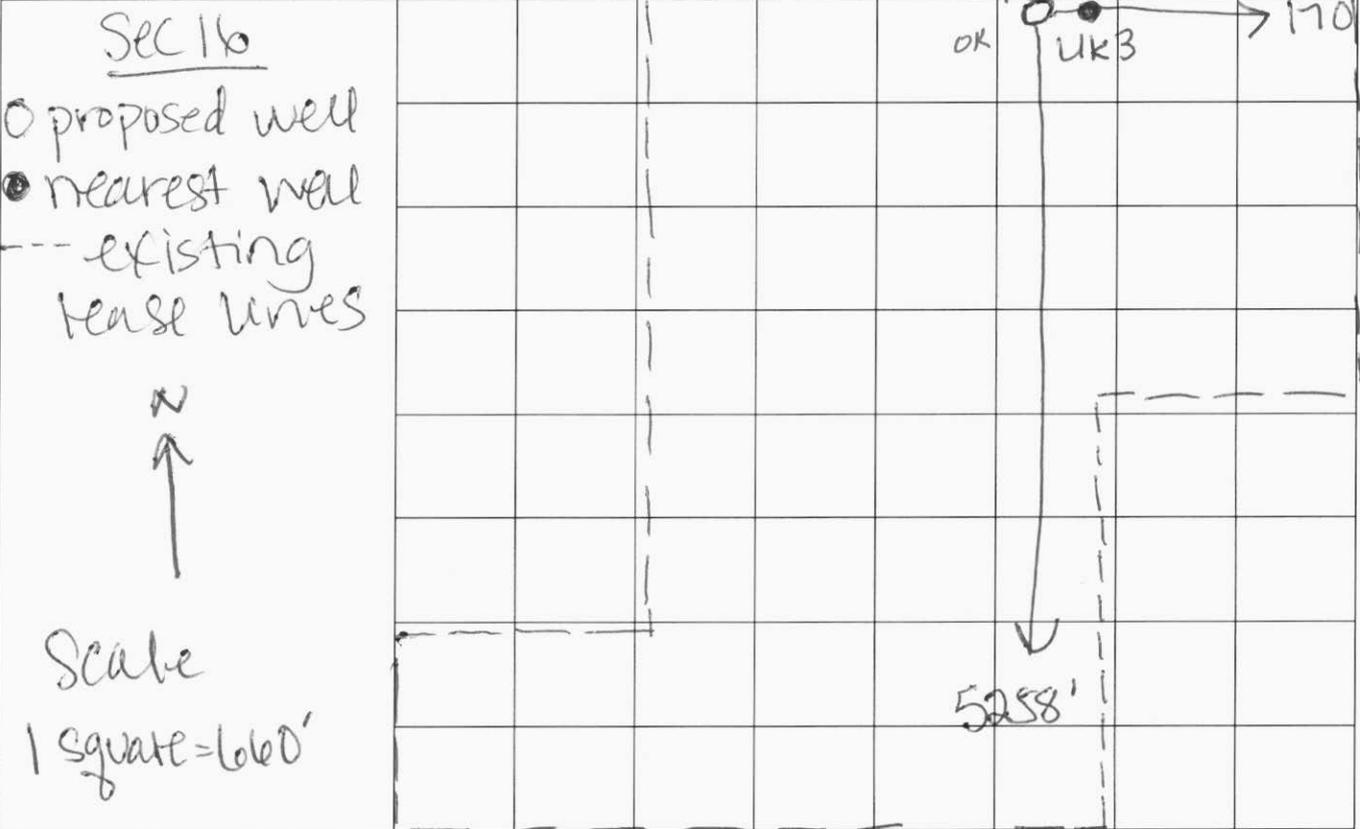
COUNTY  
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
5258 ft. from  North  South from section line 1700 ft. from  East  West from section line

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

LATITUDE  
N38 48.99'

LONGITUDE  
W94 34.36'



REMARKS  
special project status  
Lease extends north into section 9.  
section 16 is odd shaped. see attached map.

**INSTRUCTIONS**

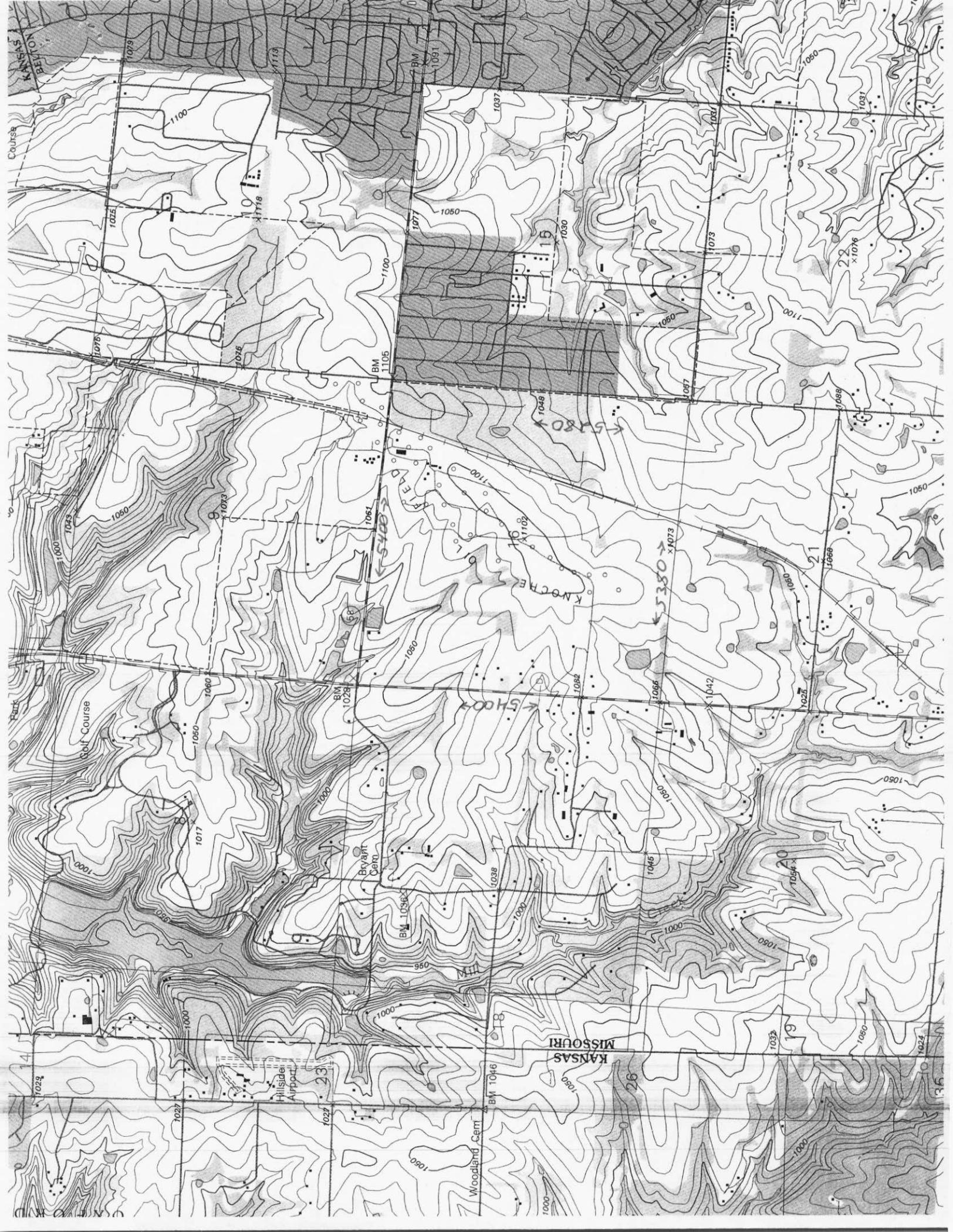
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.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

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 Street, Ste. 500, Overland Park, KS 66210

LEASE NAME: Belton  
WELL NUMBER: **E-31**

LOCATION OF WELL: Sec. **16** Twp **46** North, Rng **33** East OR **5250** ft. from North  South  **100** ft. from East  West  
LATITUDE: **N38 40** LONGITUDE: **W94 34 21.6**

COUNTY: Cass  
PERMIT NUMBER (OGC-3 OR OGC-31): **037-20862**  
ELEVATION OF CASING HD. FLANGE: **1079** FEET

DATE SPUDDED: **2.28.12**  
DATE TOTAL DEPTH REACHED: **3.1.12**  
DATE COMPLETED READY TO PRODUCE OR INJECT: **4.27.12**  
ELEVATION (DF, RKR, RT, OR Gr.) FEET: **1079**

TOTAL DEPTH: **750**  
PLUG BACK TOTAL DEPTH:

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **542-562, 582-618**  
ROTARY TOOLS USED (INTERVAL): **0 TO 750**  
DRILLING FLUID USED: **N/A**  
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:

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#	22.7	6	0
Longstring	6 1/2"	4 1/2"	10.5#	750	87	0

**TUBING RECORD**

**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
2 3/8 INCH	<del>750</del> 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 FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	3 3/8" DP 23 GR.	542-562	60 sks, 20/40 sand	542-562
		582-618		582-618

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION: **4.27.12**  
PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING – IF PUMPING, SHOW SIZE AND TYPE OF PUMP.):

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
4.27.12	24	N/A	5 BBLs	0 MCF	5 BBLs	24 API (CORR.)

TUBING PRESSURE	CASING PRESSURE	CALCULATED RATE OF PRODUCTION PER 24 HOURS	OIL	GAS	WATER	GAS OIL RATIO
0	0	5	5 BBLs	0 MCF	5 BBLs	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]*



# Belton F-31

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
10	soil & clay	10
20	lime	30
30	shale	60
10	lime	70
17	shale	87
4	lime	91 oil show
34	shale	125
8	lime	133
22	shale	155
3	lime	158
4	shale	162
20	lime	182
11	shale	193
17	lime	210
5	shale	215
3	lime	218
5	shale	223
3	lime	226 Base Pawnee Lime
170	shale	396 Lorette Shale
8	lime	404 Higginsville Lime
8	shale	412
4	lime	416
16	shale	432 Summit coal
10	lime	442 Blackjack Creek lime
20	shale	462
8	lime	470
28	shale	498 Mulkey coal
7	broken sand	505 Top Squirrel Sand
10	grey sand	515
1	broken sand	516
2	grey sand	518
5	shale	523
1	grey sand	524
2	silty shale	526
3	shale	529
5	broken sand	534
2	silty shale	536
2	broken sand	538
4.5	grey sand	542.5

1.5	broken sand	544
3	grey sand	547
3	broken sand	550
1	shale	551
0.5	broken sand	551.5
4	shale	555.5
1.5	oil sand	557
1	lime	558
4	oil sand	562
2	limey sand	564
9	broken sand	573
1	limey sand	574
5	broken sand	579
3	limey sand	582
25	oil sand	607
8	sandy shale, lime	615
6	broken sand	621
129	shale	750 TD

*Base Squirrel sand*  
*oakley, Verdigris*

Drilled a 12 1/4" hole to 22.7'

Drilled a 6 1/2" hole to 750'

Set 22.7' of 8 5/8" surface casing cemented with 6 sacks of cement.