

OCT 10 2012



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

Oil & Gas Council

APPLICATION TO DRILL DEEPEN PLUG BACK FOR AN OIL WELL OR GAS WELL

NAME OF COMPANY OR OPERATOR: S & B Operating, 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: Benjamin; WELL NUMBER: KR-17; ELEVATION (GROUND): 1028'

WELL LOCATION: 3795 ft. from South section line; 2145 ft. from East section line

WELL LOCATION: Sec. 9 Township 46 North Range 33 West; LATITUDE: N38 49' 38.960"; LONGITUDE: W94 34' 24.960"; COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 495 FEET; DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 330 FEET

PROPOSED DEPTH: 700'; DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC; ROTARY OR CABLE TOOLS: Rotary; APPROX. DATE WORK WILL START: 10/15/2012

NUMBER OF ACRES IN LEASE: 120; NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 1; NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED? NO. OF WELLS PRODUCING: 0; INJECTION: 0; INACTIVE: 0; ABANDONED: 0

STATUS OF BOND: SINGLE WELL AMOUNT \$; BLANKET BOND AMOUNT \$ 20,000; 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)

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.

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: 10/9/12

PERMIT NUMBER: 037-2117; APPROVED DATE: 11-8-12; APPROVED BY: [Signature]; CHECKBOXES: DRILLER'S LOG REQUIRED, CORE ANALYSIS REQUIRED IF RUN, E-LOGS REQUIRED IF RUN, DRILL SYSTEM TEST INFO REQUIRED IF RUN, 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: 10/9/12

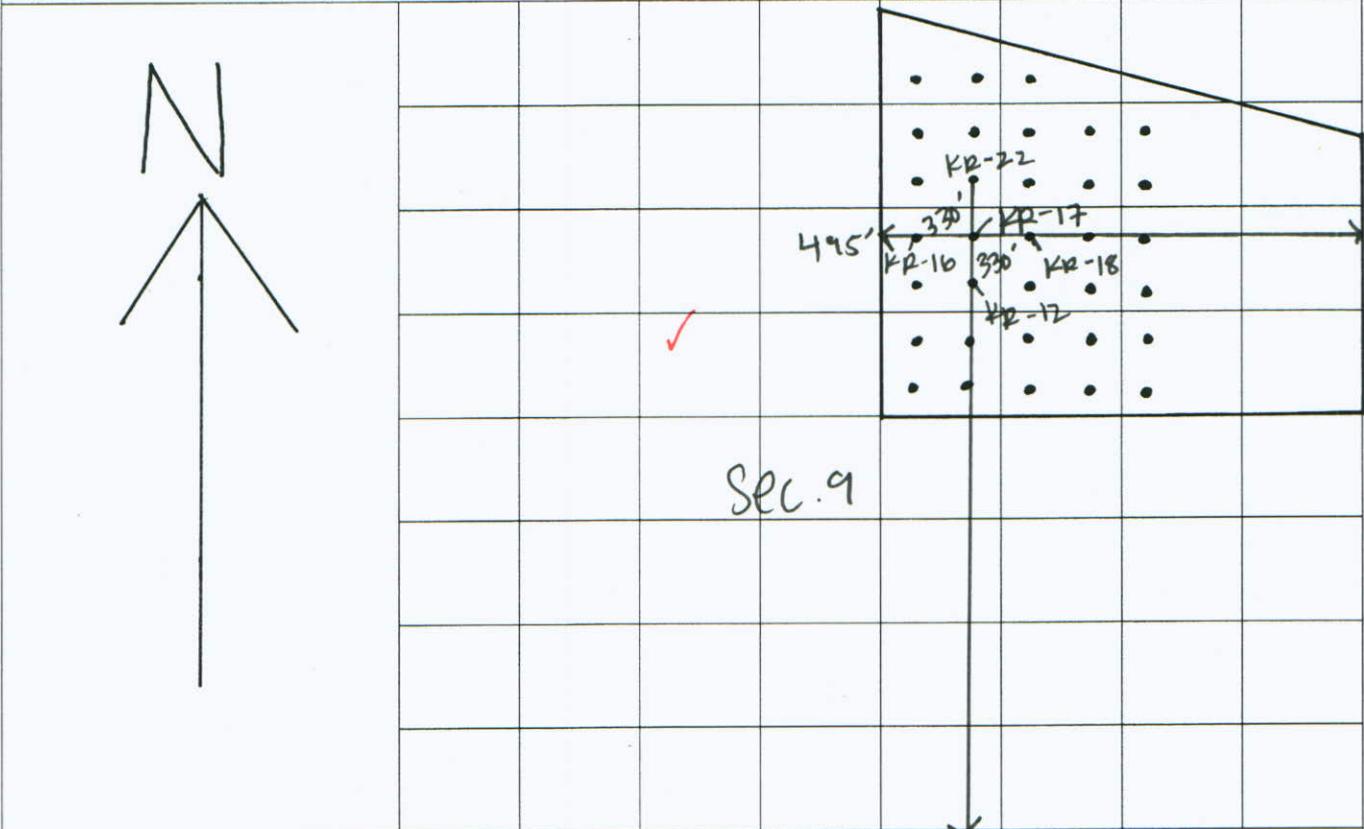
Handwritten note: ~110' below TD



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

FORM OGC-4

OWNER'S NAME S & B Operating, LLC	
LEASE NAME Benjamin KR-17	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 3795 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 2145 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' 38.96"	LONGITUDE W94° 34' 24.96"



REMARKS  
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.

<p>REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED</p>	REGISTERED LAND SURVEYOR	NUMBER
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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).

<input type="button" value="Submit"/>
<input checked="" type="radio"/> Universal Transverse Mercator [Zone 15 North]
Easting 363405.24514642486 meters
Northing 4298809.343776291 meters
<input type="radio"/> Decimal Degrees
Latitude 38.82748888888894 °
Longitude -94.5736 °
<input checked="" type="radio"/> Degrees, Minutes and Seconds
Latitude Degrees 38 °
Latitude Minutes 49 '
Latitude Seconds 38.96 "
Longitude Degrees -94 °
Longitude Minutes 34 '
Longitude Seconds 24.96 "

<b>UTM Zone 15N [Easting, Northing]</b>	[ 363405.2, 4298809.3 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.827488°, -94.5736° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 49' 38.9", -94° 34' 24.9" ]
<b>County Name</b>	Cass
<b>County FIPS Code</b>	037
<b>Legal Description</b>	Section 09 T46N R33W
<b>Municipality</b>	Belton
<b>House District</b>	123
<b>Senate District</b>	31
<b>Congressional District</b>	5
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Belton [38094-G5]
<b>8 Digit Watershed</b>	10300101 [Lower Missouri-Crooked]
<b>10 Digit Watershed</b>	1030010101 [Blue River]
<b>12 Digit Watershed</b>	103001010104 [Camp Branch-Blue River]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Blackwater/Lamine
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	6.563 s

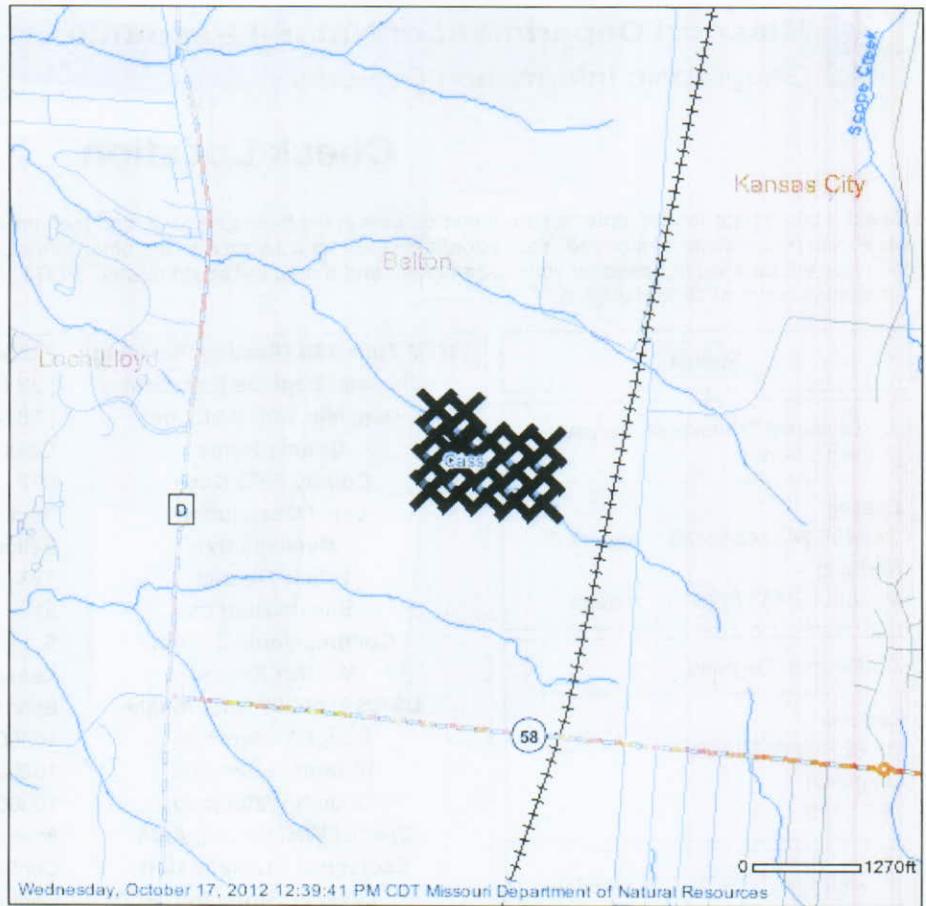
Rows with **NO VALUE** text indicate that the input location is too close to a boundary to produce reliable results.

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
  -  Major and Minor Roads
  -  County Boundary
  -  Lakes
  -  Major Rivers
  -  Rivers and Streams
  -  Missouri River
  -  Mississippi River
  -  Municipal



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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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: S & B Operating, LLC ADDRESS: 9393 W. 110th St., Ste #500, Overland Park, KS 66210

LEASE NAME: Benjamin WELL NUMBER: KR-17

LOCATION OF WELL: Sec. 9 Twp 48 North, Rng 33 East West OR 3795 ft. from North South 2445 ft. from East West LATITUDE: N38 49' 38.960" W94 34' 24.960" LONGITUDE: 24.960"

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 037-21117

DATE SPUDED: 11/19/2012 DATE TOTAL DEPTH REACHED: 11/20/2012 DATE COMPLETED READY TO PRODUCE OR INJECT: 12/17/2012 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 1028' ELEVATION OF CASING HD. FLANGE FEET: 1028'

TOTAL DEPTH: 715' PLUG BACK TOTAL DEPTH: 659.50'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 549'-573' ROTARY TOOLS USED (INTERVAL): 0 TO 715' DRILLING FLUID USED: 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: 11/20/2013

**CASING RECORD**

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9 7/8"	7"	17#	20'	8	0
Longstring	5 7/8"	2 7/8"	6.5#	691.00'	73	0

**TUBING RECORD LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
1 INCH	659 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	2" DML RTG	549'-573'	40 sks, 20/40 sand	549'-573'

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION: 12/17/2012 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): Pumping

DATE OF TEST: 12/17/2012 HOURS TESTED: 24 CHOKE SIZE: N/A OIL PRODUCED DURING TEST: 3 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: 4 OIL: 4 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 S & B Operating, 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: 11/20/2013 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			

# Benjamin KR 17

Thickness	Formation	Comment	Depth	Thickness	Formation	Comment	Depth
8	Clay		8				
9	Lime		17				
18	Shale		35				
4	Lime		39				
7	Shale		46				
4	Lime		50				
62	Shale		112				
1	Lime		113				
3	Shale		116				
26	Lime		142				
3	Shale		145				
1	Lime		146				
1	Lime		147				
1	Lime		148				
3	Shale		151				
29	Lime		180				
2	Shale		182				
3	Lime		185				
5	Shale		190				
6	Lime		196	He	Base Pannee lime		
18	Shale		329	Lafayette	Shale		
3	Lime		382	Higginsville	lime		
16	Shale		398	Summit	Coal		
6	Lime		404				
22	Shale		426				
3	Lime		429	Blackjack Creek	lime		
66	Shale		495	Mulky	Coal		
5	Shale	o.s.k. Small	500	Top	Squirrel		
42	Shale		542				
8	Shale		550				
12	Sand	o.s.k. Bleeding	562				
9	Sand	" " "	566				
16	Shale	no black sand	582	Base	Squirrel		
20	Shale		602	715	TD	Verdigris, Oakley	
113	Shale		815				