

RECEIVED

FORM OGC-3

OCT 10 2012



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

Utah 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-20    ELEVATION (GROUND): 1083'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES): 3795 ft. from  North  South section line    1155 ft. from  East  West section line

WELL LOCATION: Sec. 9 Township 46 North Range 33  East  West    LATITUDE: N38 49' 38.190"    LONGITUDE: W94 34' 12.500"    COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 840 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?  
NAME: \_\_\_\_\_    ADDRESS: \_\_\_\_\_    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)

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	6 sks	20'	8 5/8"	20	Full length
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6	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: [Signature]    DATE: 10/9/12

PERMIT NUMBER: 037-21120    APPROVED DATE: 11-8-12    APPROVED BY: [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: [Signature]    DATE: 10/9/12

R/n 170' 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-20

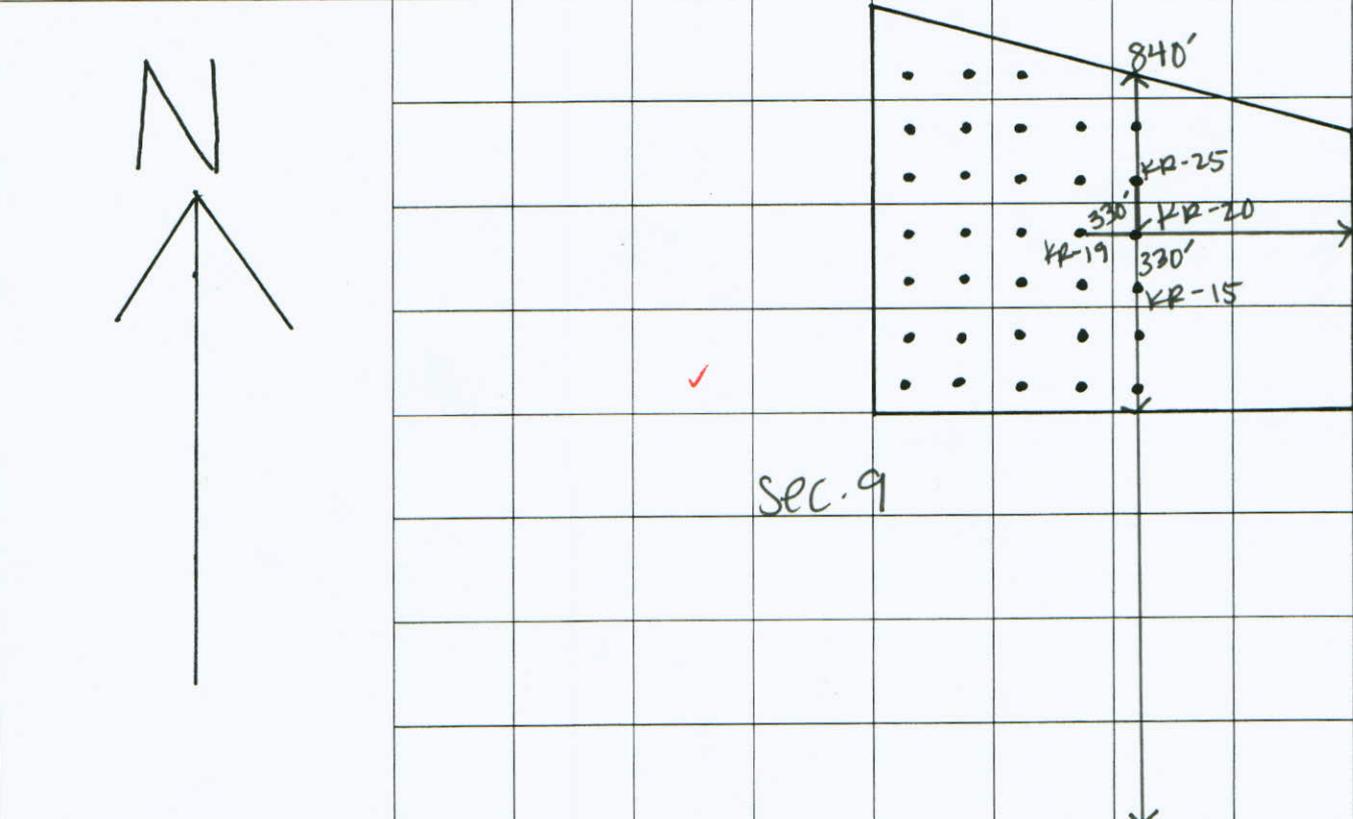
COUNTY  
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
3795 ft. from  North  South from section line 1155 ft. from  East  West from section line

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

LATITUDE  
N38° 49' 38.19"

LONGITUDE  
W94° 34' 12.50"



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.

REGISTERED LAND SURVEYOR

NUMBER

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



## 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).

Universal Transverse Mercator  
[Zone 15 North]

Easting  
363705.29172250384 meters

Northing  
4298780.437741947 meters

Decimal Degrees

Latitude  
38.827275 °

Longitude  
-94.5701388888889 °

Degrees, Minutes and Seconds

Latitude Degrees  
38 °

Latitude Minutes  
49 '

Latitude Seconds  
38.19 ''

Longitude Degrees  
-94 °

Longitude Minutes  
34 '

Longitude Seconds  
12.5 ''

<b>UTM Zone 15N [Easting, Northing]</b>	[ 363705.2, 4298780.4 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.827275°, -94.570139° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 49' 38.1", -94° 34' 12.5" ]
<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>	6.906 s

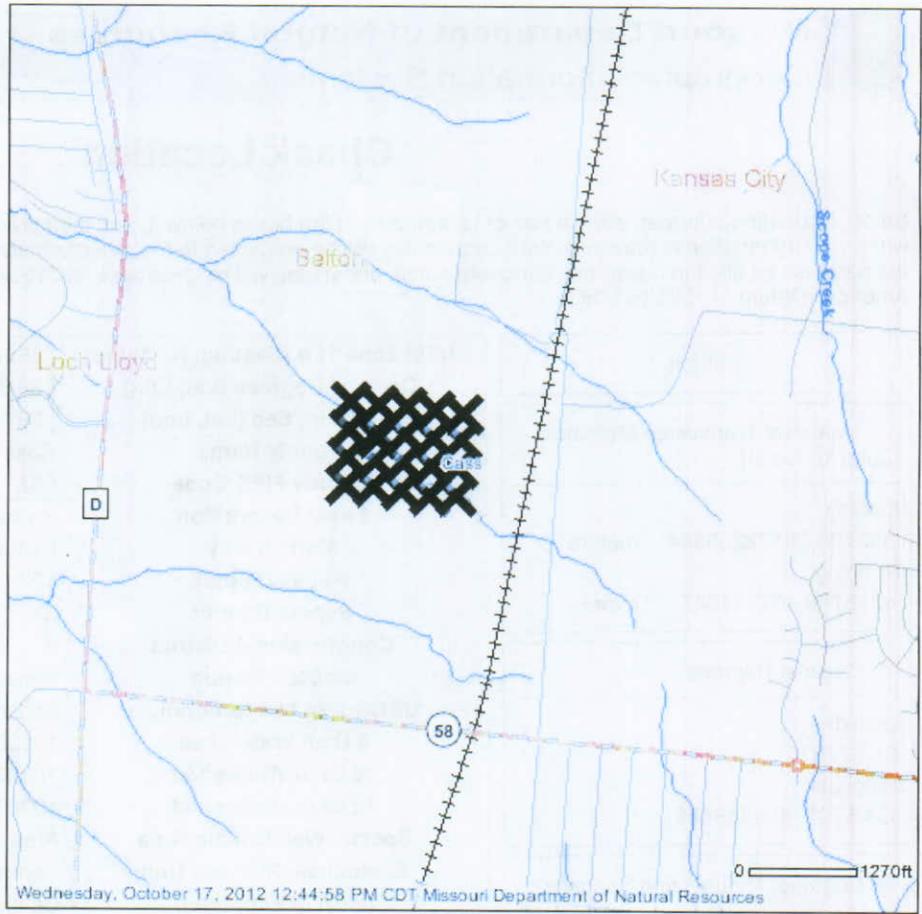
Rows with **is** text indicate that the input location is too close to a boundary to produce reliable results.

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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 800-361-4827 / 573-751-3443  
 E-mail: [contact@dnr.mo.gov](mailto: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: **S & B Operating, LLC** ADDRESS: **9393 W. 110th St., Ste #500, Overland Park, KS 66210**

LEASE NAME: **Benjamin** WELL NUMBER: **KR-20**

LOCATION OF WELL: Sec. 9 Twp 48 North, Rng 33  East  West OR 3795 ft. from  North  South 1155 ft. from  East  West LATITUDE: **N38 49' 38.190" W94 34 12.500** LONGITUDE: **12.500**

COUNTY: **Cass** PERMIT NUMBER (OGC-3 OR OGC-31): **037-21120**

DATE SPUDDED: **12/03/2012** DATE TOTAL DEPTH REACHED: **12/04/2012** DATE COMPLETED READY TO PRODUCE OR INJECT: **12/17/2012** ELEVATION (DF, RKR, RT, OR GR.) FEET: **1083'** ELEVATION OF CASING HD. FLANGE FEET: **1083**

TOTAL DEPTH: **715'** PLUG BACK TOTAL DEPTH: **662.80'**

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: **601' - 615'** ROTARY TOOLS USED (INTERVAL) DRILLING FLUID USED: **0 TO 715** 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: **11/20/2013**

**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	9 7/8"	7"	17#	<b>30</b>	<b>8</b>	0
Longstring	5 7/8"	2 7/8"	6.5#	<b>694.90'</b>	<b>75</b>	0

**TUBING RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
1 INCH	<b>662</b> FEET	N/A FEET	N/A INCH	N/A FEET	N/A FEET	N/A	N/A FEET

**LINER RECORD**

**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	2" DML RTG	<b>601' - 615'</b>	40 sks, 20/40 sand	<b>601' - 615'</b>

**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: **3** OIL: **3** 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 \_\_\_\_\_ 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: **11/20/2013** 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			

