RECEIVED

OCT 10 2012

Mo Oil & Gas Council

FORM OGC-3

STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

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

NAME OF COMPANY OR OPERATOR			DATE
S & B Operating, LLC			10/02/2012
ADDRESS	CITY	STATE	ZIP CODE
9393 West 110th St., Suite 500	Overland Park	KS	66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE	WELL NUMBER	ELEVATION (GROUND)
Benjamin	KR-31	1060'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)

4785 ft. from ☐ North ☑ South section line 2475 ft. from ☑ East ☐ West section line

WELL LOCATION	LATITUDE	LONGITUDE	COUNTY
Sec. 9 Township 46 North Range 33 ☐ East ☑ West	N38 49' 49.020"	W94 34' 28.520"	Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 165 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED – FOR WELL ON THE SAME LEASE 330 FEET

PROPOSED DEPTH	DRILLING CONTRACTOR, NAME AND ADDRESS	ROTARY OR CABLE TOOLS	APPROX. DATE WORK WILL START
700'	Utah Oil, LLC	Rotary	10/20/2012

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 BK DATE 10/9/12

PERMIT NUMBER 037 - 21131

APPROVED DATE 11-8-12

APPROVED BY Joseph A. Gillman

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

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 10/9/12

MO 780-0211 (3-11) REMIT ONE (1) COPY TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573-368-2143.

TD ~150' below KR

STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

FORM OGC-4

WELL LOCATION PLAT

OWNER'S NAME
S & B Operating, LLC

LEASE NAME
Benjamin KR-31

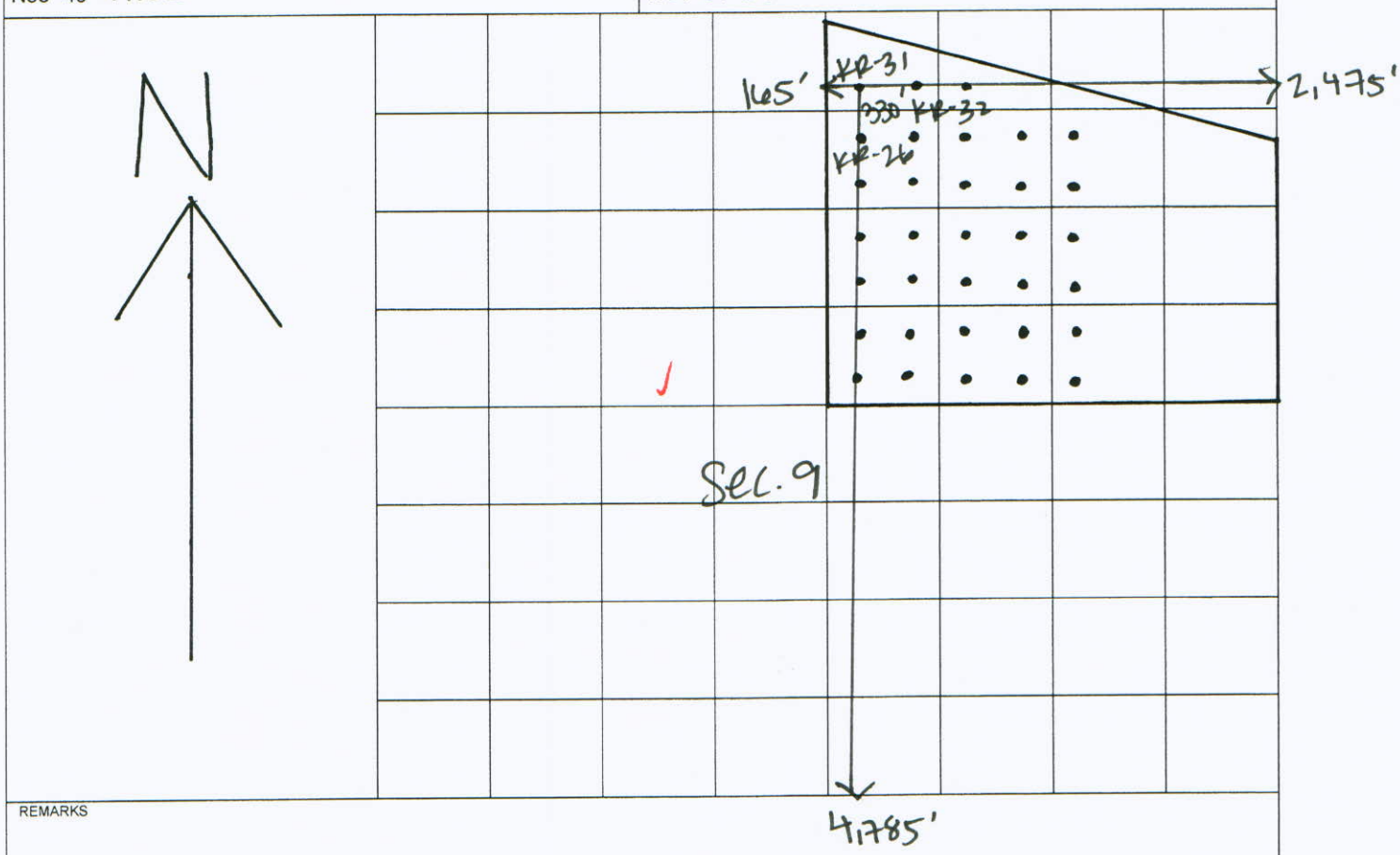
COUNTY
Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)
4785 ft. from ☐ North ■ South from section line 2475 ft. from ■ East ☐ West from section line

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

LATITUDE
N38° 49' 49.02"

LONGITUDE
W94° 34' 28.52"



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.

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

MO 780-0213 (6-06)

Missouri Department of Natural Resources
Geographic Information Systems

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).

Submit

Universal Transverse Mercator [Zone 15 North]

Easting
363324.74598124414 meters
Northing
4299120.941512767 meters

Decimal Degrees

Latitude
38.830283333333334 °
Longitude
-94.57458888888888 °

Degrees, Minutes and Seconds

Latitude Degrees
38 °
Latitude Minutes
49 '
Latitude Seconds
49.02 "
Longitude Degrees
-94 °
Longitude Minutes
34 '
Longitude Seconds
28.52 "

UTM Zone 15N [Easting, Northing]	[363324.7, 4299120.9] meters
Decimal Degrees [Lat, Lon]	[38.830283°, -94.574589°]
Deg, Min, Sec [Lat, Lon]	[38° 49' 49.0", -94° 34' 28.5"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 09 T46N R33W
Municipality	Belton
House District	123
Senate District	31
Congressional District	5
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Belton [38094-G5]
8 Digit Watershed	10300101 [Lower Missouri-Crooked]
10 Digit Watershed	1030010101 [Blue River]
12 Digit Watershed	103001010104 [Camp Branch-Blue River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Blackwater/Lamine
Level III Ecoregion	Central Irregular Plains
Query Time	7.484 s

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

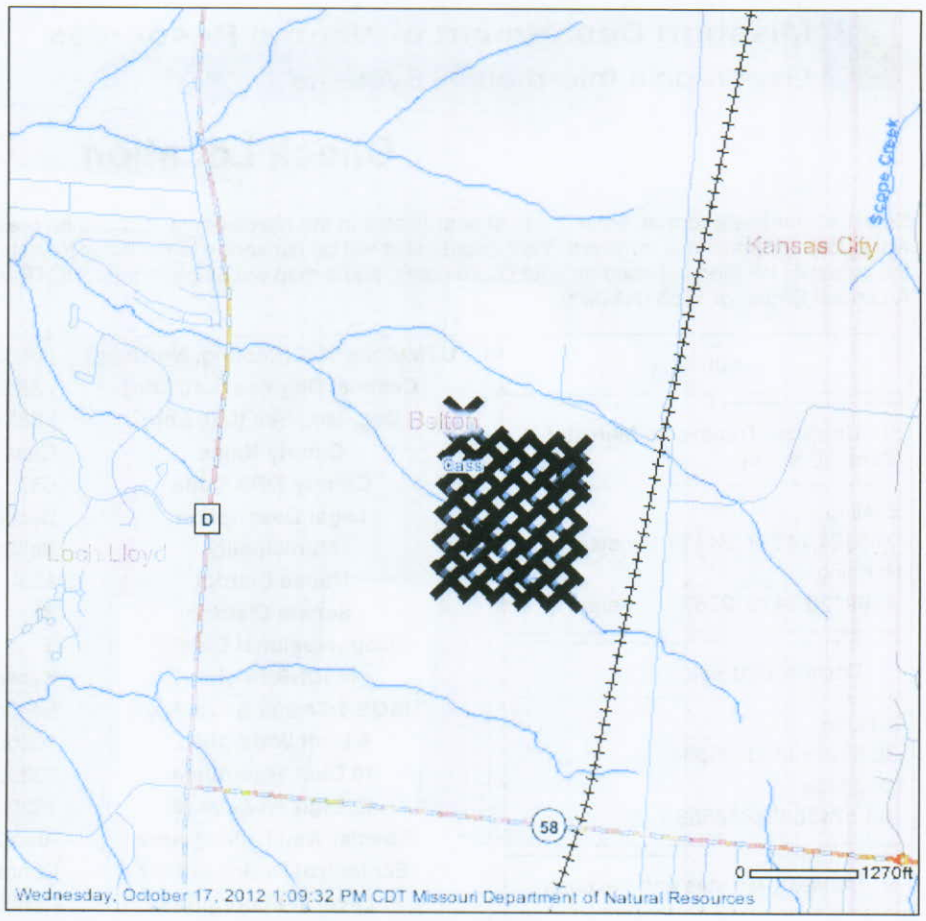
NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

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.

Missouri Department of Natural Resources

P.O. Box 176, Jefferson City, MO 65102
800-361-4827 / 573-751-3443
E-mail: contact@dnr.mo.gov

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	ADDRESS
S & B Operating, LLC	9393 W. 110th St., Ste #500, Overland Park, KS 66210
LEASE NAME: Benjamin	WELL NUMBER: KR - 31

LOCATION OF WELL — SEC TWN RNG — OR — BLOCK AND SURVEY
Sec. 9 Twp 46 North, Rng 33 ☐East ☑West OR 4785 ft. from ☐North ☑South 2475 ft. from ☑East ☐West
LATITUDE: N38 49' 49.020" LONGITUDE: W94 34' 28.520"

COUNTY	PERMIT NUMBER (OGC-3 OR OGC-31)
Cass	037 - 21131

DATE SPUDDED	DATE TOTAL DEPTH REACHED	DATE COMPLETED READY TO PRODUCE OR INJECT	ELEVATION (DF, RKR, RT, OR Gr.) FEET	ELEVATION OF CASING HD. FLANGE
11/30/2012	12/01/2012	12/17/2012	1060'	1060 FEET

TOTAL DEPTH	PLUG BACK TOTAL DEPTH
715'	655.55'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION	ROTARY TOOLS USED (INTERVAL)	CABLE TOOLS USED (INTERVAL)
552' - 562', 581' - 597'	0 TO 715 DRILLING FLUID USED ____	N/A

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

TYPE OF ELECTRICAL OR OTHER LOGS RUN (JUST LOGS FILED WITH THE STATE GEOLOGIST)	DATE FILED
Gamma Ray/Neutron/CCL	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#	20'	8	0
Longstring	5 7/8"	2 7/8"	6.5#	687.10'	74	0

TUBING RECORD

SIZE	DEPTH SET	PACKER SET AT
1 INCH	655 FEET	N/A FEET

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
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	552'-62', 581'-97'	40 sks, 20/40 sand	552'-562', 581'-597'

INITIAL PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY
12/17/2012	24	N/A	3 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	3	3 BBLS	0 MCF	5 BBLS	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	SIGNATURE
11/20/2013	[signature]

MO 780-0215 (8-06) REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 (573) 368-2143. (REV 8-06)

ONE (1) COPY TO BE RETURNED.

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-31

Thickness	Formation	Comment	Depth	Thickness	Formation	Comment	Depth
8	Clay		8	7	Sand	Bleeding Base Squirrel	586
16	Lime		24	129	Shale	TD Verdigris/Oakley	715
25	Shale		49				
6	Lime		55		TD	715	
32	Shale		87				
4	Lime		91				
40	Shale		131				
1	Lime		132				
10	Shale		142				
2	Lime		144				
10	Shale		154				
32	Lime		186				
8	Shale		194				
16	Lime		210				
4	Shale		214				
1	Lime		215				
3	Shale		218				
9	Lime	KC	227	Base Pawnee lim			
183	Shale		410	Labette Shale			
8	Lime		418	Higginsville lim			
8	Shale		426	Summit Coal			
6	Lime		432				
22	Shale		454				
4	Lime		458	Blackjack Creek lim			
4	Shale		462				
5	Shale		467	Mulky Coal			
4	Sand	Loaded with Oil Limey	471	Top Squirrel			
49	Shale		520				
2	Sand	OIL	522				
6	Sand	Broken	528				
9	Sand		537				
5	Broken	Sand	542				
10	Sand	Limey	552				
10	Sand	Oil Loaded	562				
17	Shale		579				