



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

RECEIVED
FORM GSC-3

OCT 10 2012

Mo 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-21 ELEVATION (GROUND): 1038'

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES):
4125 ft. from North South section line 2475 ft. from East West section line

WELL LOCATION: Sec. 9 Township 46 North Range 33 East West LATITUDE: N38 49' 42.490" LONGITUDE: W94 34' 28.960" COUNTY: 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: 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)

120' below TD

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 - 21121 DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN

APPROVED DATE: 11-8-12 CORE ANALYSIS REQUIRED IF RUN DRILL SYSTEM TEST INFO REQUIRED IF RUN

APPROVED BY: Joseph A. Tillman SAMPLES REQUIRED SAMPLES NOT REQUIRED

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.

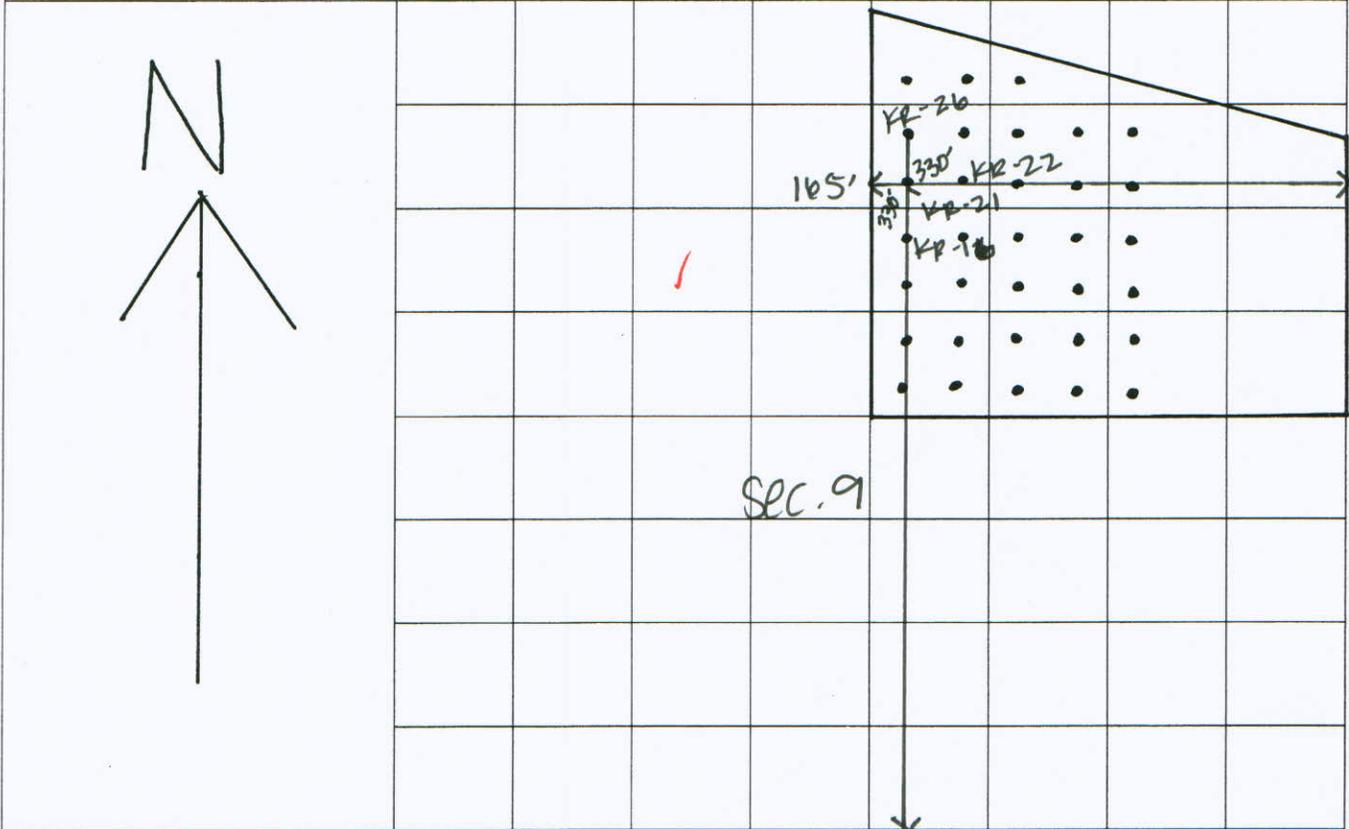
DRILLER'S SIGNATURE: [Signature] DATE: 10/9/12



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-21	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 4125 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 2475 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' 42.49"	LONGITUDE W94° 34' 28.96"



REMARKS

4,125'

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
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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).

Universal Transverse Mercator
[Zone 15 North]

Easting
363310.66666636604 meters

Northing
4298919.82465831 meters

Decimal Degrees

Latitude
38.82846944444445 °

Longitude
-94.57471111111111 °

Degrees, Minutes and Seconds

Latitude Degrees
38 °

Latitude Minutes
49 '

Latitude Seconds
42.49 ''

Longitude Degrees
-94 °

Longitude Minutes
34 '

Longitude Seconds
28.96 ''

UTM Zone 15N [Easting, Northing]	[363310.6, 4298919.8] meters
Decimal Degrees [Lat, Lon]	[38.828469°, -94.574712°]
Deg, Min, Sec [Lat, Lon]	[38° 49' 42.4", -94° 34' 28.9"]
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	5.25 s

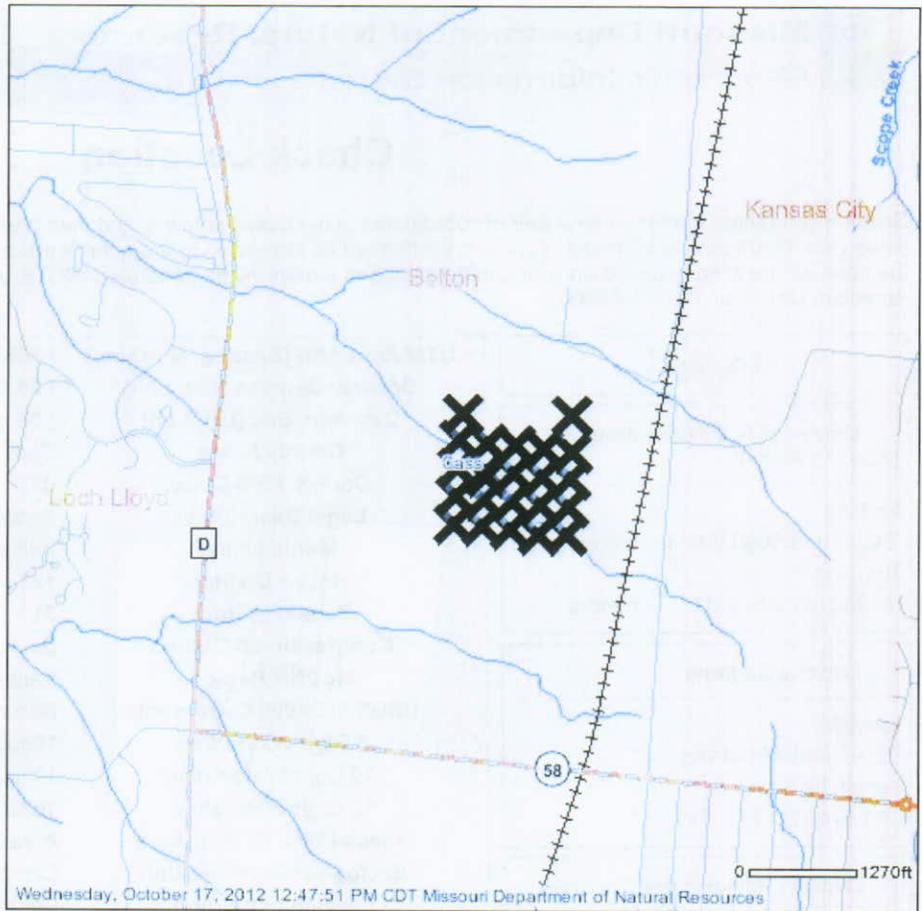
Rows with text indicate that the input location is too close to a boundary to produce reliable results.

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
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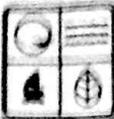


View Scale 1:24,000

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
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

FORM OGC-6

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-21

LOCATION OF WELL: Sec 9 Twp 45 North, Rng 33 East West OR 4125 ft. from North South 2475 ft. from East West LATITUDE: N38 49' 42.490" W94 24' 28.960" LONGITUDE:

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 037 - 21121

DATE SPUDDED: 4/30/2013 DATE TOTAL DEPTH REACHED: 4/31/2013 DATE COMPLETED READY TO PRODUCE OR INJECT: 5/20/2013 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 1038' ELEVATION OF CASING HD. FLANGE FEET: 1038'

TOTAL DEPTH: 700' PLUG BACK TOTAL DEPTH: 637.75'

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 521' - 539' ROTARY TOOLS USED (INTERVAL): 0 TO 700 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#	668.70'	75	0

TUBING RECORD LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
1 INCH	637 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	521' - 539'	40 sks, 20/40 sand	521' - 539'

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION: 5/20/2013 PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING - IF PUMPING, SHOW SIZE AND TYPE OF PUMP.): Pumping

DATE OF TEST: 5/20/2013 HOURS TESTED: 24 CHOKER 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: 5 OIL: 5 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-21

Thickness	Formation	Comment	Depth	Thickness	Formation	Comment	Depth
2	Rock		2	99	Shale	TD 200	700
4	clay		6				
28	Shale		34				
9	Lime		43				
27	Shale		70				
12	Lime		82				
8	Shale		90				
2	Lime		92				
46	Shale		138				
29	Lime		167				
9	Shale		176				
19	Lime		195				
3	Shale		198				
2	Lime		200				
3	Shale		203				
8	Lime	RC	211		Base Pawnee Lime		
181	Shale		392		Lebette shale		
6	Lime		398		Higginsville lime		
12	Shale		410		Summit coal		
9	Lime		419				
17	Shale		436				
4	Lime		440		Blackjack creek lime		
70	Shale		510		Mulky Coal		
4	"		514				
4	"		518				
4	"		522				
1	"		523				
3	SAND	OIL SHOW	526		Top Sand red		
2	Shale	cored	528				
8	SAND	OIL	536				
1	SAND	BROKEN	537				
6	Shale		543				
20	Lime	CIR	563				
20	Lime	Little oil sand	583		Base Sand red		
19	Shale		601		Verdigns, Oakley		