

JUL 15 2014



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

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: 06/13/2014

ADDRESS: 9393 W. 110th St. Ste # 500    CITY: Overland Park    STATE: KS    ZIP CODE: 66210

DESCRIPTION OF WELL AND LEASE  
NAME OF LEASE: Brad Jacobs    WELL NUMBER: P-1    ELEVATION (GROUND): 1016

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)  
1638 ft. from  North  South section line    205 ft. from  East  West section line

WELL LOCATION  
Sec. 24 Township 42 North Range 33  East  West    LATITUDE: 38°26'13.23"N    LONGITUDE: -94°31'34.95"W    COUNTY: Gas Bates 013

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 205 FEET  
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: N/A FEET

PROPOSED DEPTH: 400' (with handwritten 616'el)    DRILLING CONTRACTOR, NAME AND ADDRESS: S+B Operating, LLC    ROTARY OR CABLE TOOLS: Air Rotary    APPROX. DATE WORK WILL START: 07/10/2014

NUMBER OF ACRES IN LEASE: 40 240    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
400	2.875	8	60	400	2.875	8	Full Length
20	7.00	10	6	20	7	10	" "

I, the Undersigned, state that I am the COO 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.

SIGNATURE: *[Signature]*    DATE: 7/1/14

PERMIT NUMBER: 20399     DRILLER'S LOG REQUIRED     E-LOGS REQUIRED IF RUN

APPROVED DATE: 7-23-14     CORE ANALYSIS REQUIRED IF RUN     DRILL SYSTEM TEST INFO REQUIRED IF RUN

APPROVED BY: *[Signature]*     SAMPLES REQUIRED 10' intervals from surface to T.D.     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, Brad Krane of the S+B Operating, LLC (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: 7/1/14

RECEIVED

JUL 15 2014

FORM OGC-4



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

Mo Oil & Gas Council

OWNER'S NAME

CAB Operating, LLC

LEASE NAME

Brad Jacobs P-1

COUNTY

Cass Bates

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINES)

1638 ft. from  North  South from section line 205 ft. from  East  West from section line

WELL LOCATION

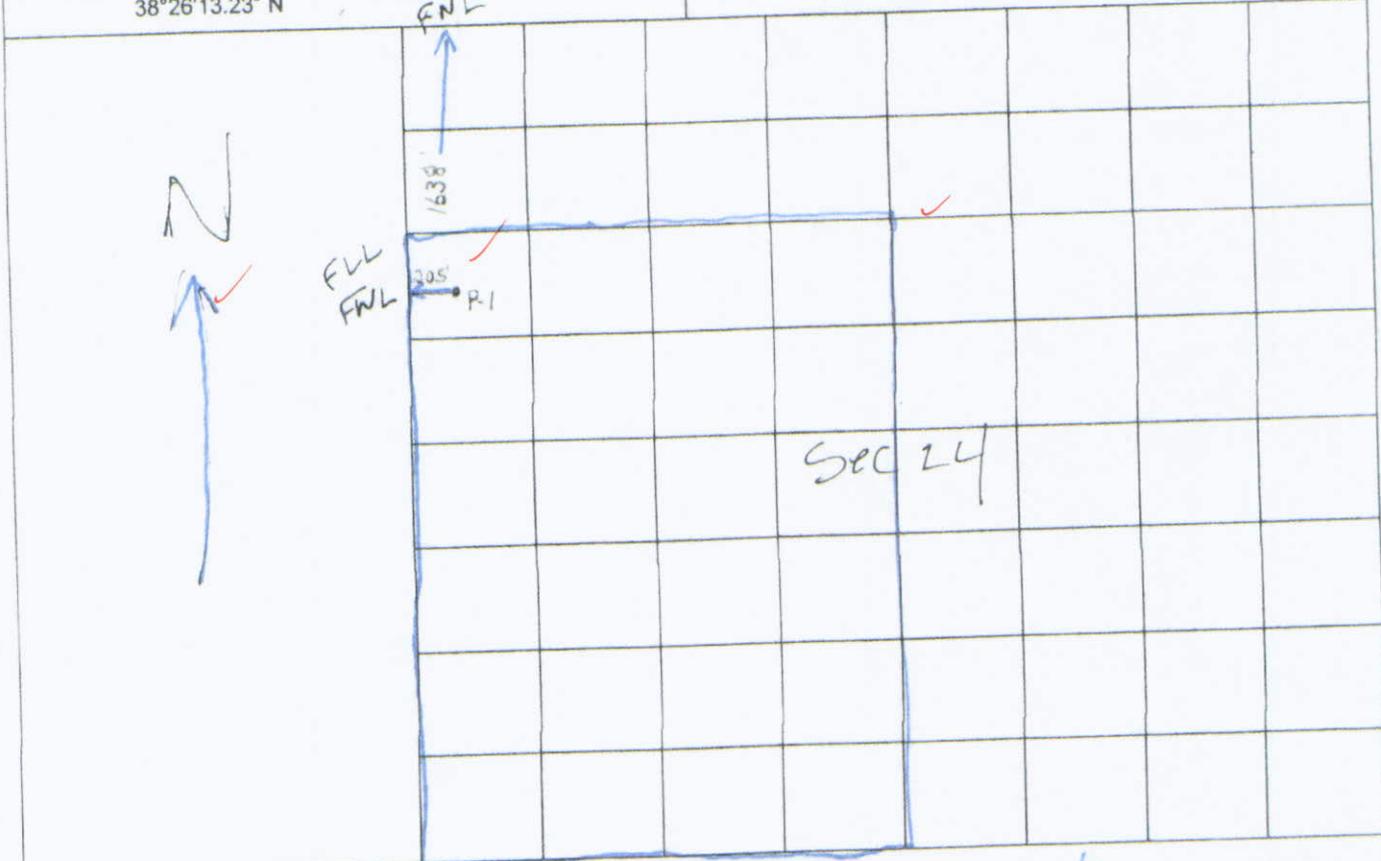
Sec. 24 Township 42 North Range 33  East  West

LATITUDE

38°26'13.23" N

LONGITUDE

-94°31'34.95" W



REMARKS

Each Square = 660'

Lease = SW/4, S/2 NW/4

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



## 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]

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Easting  
366783.8941280732      meters

Northing  
4255407.055272618      meters

Decimal Degrees

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Latitude  
38.43700833333333      °

Longitude  
-94.526375      °

Degrees, Minutes and Seconds

---

Latitude Degrees  
38      °

Latitude Minutes  
26      '

Latitude Seconds  
13.23      "

Longitude Degrees  
-94      °

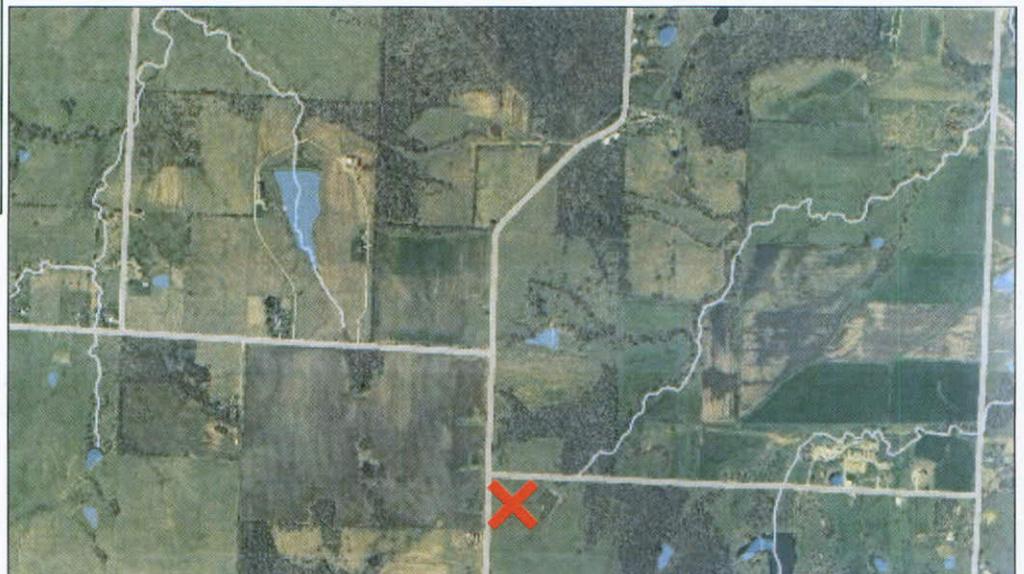
Longitude Minutes  
31      '

Longitude Seconds  
34.95      "

<b>UTM Zone 15N [Easting, Northing]</b>	[ 366783.8, 4255407.0 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.437008°, -94.526375° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 26' 13.2", -94° 31' 34.9" ]
<b>County Name</b>	Bates
<b>County FIPS Code</b>	013
<b>Legal Description</b>	Section 24 T42N R33W
<b>Municipality</b>	NO VALUE
<b>House District</b>	56
<b>Senate District</b>	31
<b>Congressional District</b>	4
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Drexel [38094-D5]
<b>8 Digit Watershed</b>	10290108 [South Grand]
<b>10 Digit Watershed</b>	1029010802 [Mormon Fork-South Grand River]
<b>12 Digit Watershed</b>	102901080204 [Morman Fork]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Osage/South Grand
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	8.266 s

Rows with **red** 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

- [Roads](#)
- [Railroads](#)
- [County Boundaries](#)
- [Municipal Boundaries](#)
- [Lakes and Ponds](#)
- [Rivers and Streams](#)
- [Missouri River](#)