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JUL 02 2014
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			06/13/2014
ADDRESS	CITY	STATE	ZIP CODE
9393 W. 110th St. Ste # 500	Overland Park	KS	66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE	WELL NUMBER	ELEVATION (GROUND)
Billy Osborn	P-1	867 feet

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)

2489 ft. from ☐ North ☑ South section line 1558 ft. from ☑ East ☐ West section line

WELL LOCATION	LATITUDE	LONGITUDE	COUNTY
Sec. 22 Township 43 North Range 32 ☐ East ☑ West	38.510036N	-94.441316W	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 N/A FEET

PROPOSED DEPTH	DRILLING CONTRACTOR, NAME AND ADDRESS	ROTARY OR CABLE TOOLS	APPROX. DATE WORK WILL START
400 467'el	S+B Operating, LLC	Air Rotary	07/10/2014

DM ~170'el

NUMBER OF ACRES IN LEASE: 80

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 21362

APPROVED DATE 7-23-14

APPROVED BY Joseph A. Gillman

☒ DRILLER'S LOG REQUIRED
☐ CORE ANALYSIS REQUIRED IF RUN
☒ SAMPLES REQUIRED 10' intervals surface to T.D.
☐ 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, Brad Kraft 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

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

RECEIVED

FORM OGC-4

JUL 15 2014

Mo Oil & Gas Council

STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM

WELL LOCATION PLAT

OWNER'S NAME: S+B Operating, LLC

LEASE NAME: Billy Osborn P-1

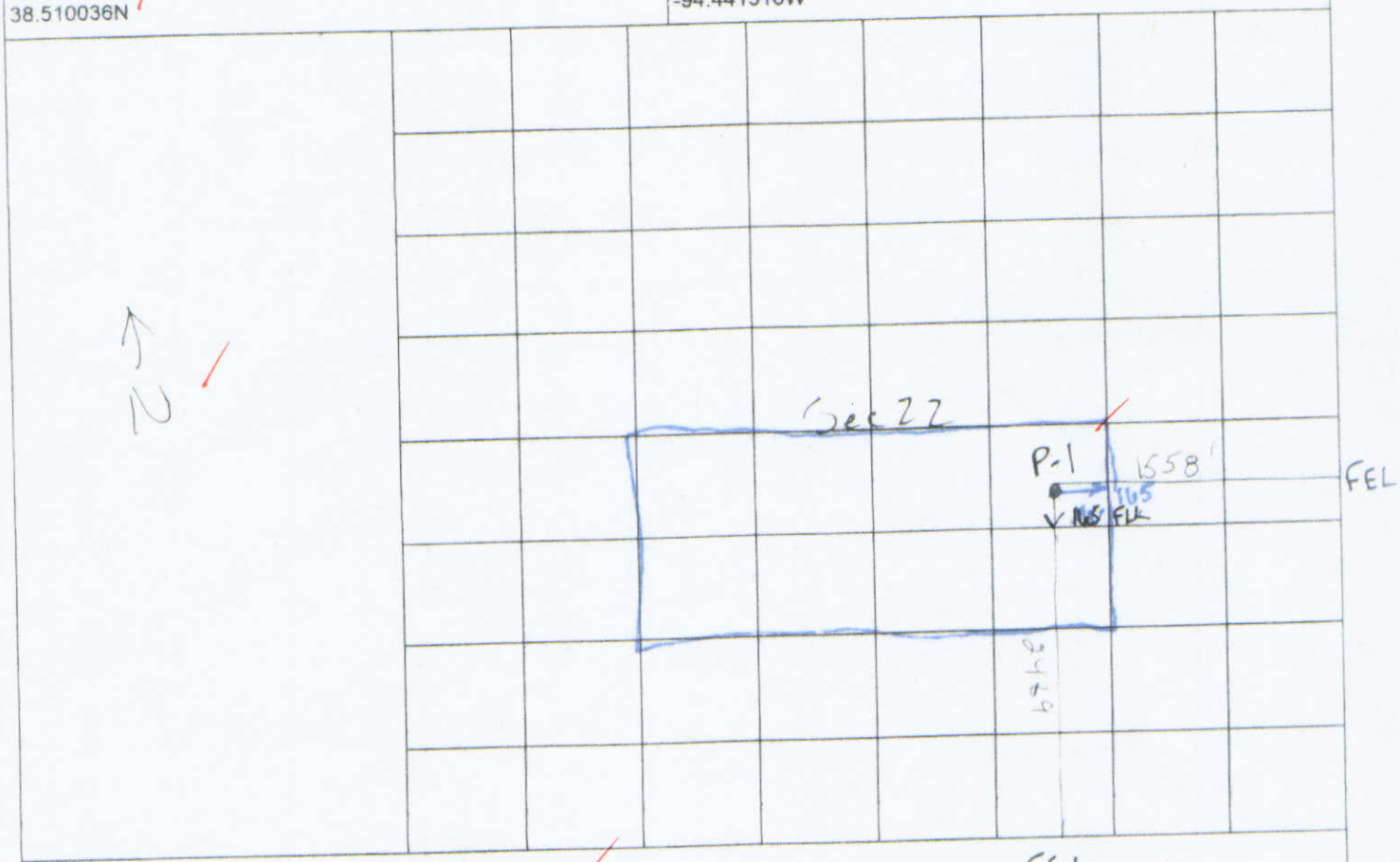
COUNTY: Cass

WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES): 2489 ft. from ☐ North ■ South from section line 1558 ft. from ■ East ☐ West from section line

WELL LOCATION: Sec. 22 Township 43 North Range 32 ☐ East ■ West

LATITUDE: 38.510036N

LONGITUDE: -94.441316W



REMARKS

Each square = 660'

Lease = NE/4 SW/4 + NW/4 SE/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.

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

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
374334.74183937814 meters
Northing
4263391.317236358 meters

◉ Decimal Degrees

Latitude
38.510036 °
Longitude
-94.441316 °

○ Degrees, Minutes and Seconds

Latitude Degrees
38 °
Latitude Minutes
30 '
Latitude Seconds
36.12959999999816 "
Longitude Degrees
-94 °
Longitude Minutes
26 '
Longitude Seconds
28.73760000000175 "

UTM Zone 15N [Easting, Northing]	[374334.7, 4263391.3] meters
Decimal Degrees [Lat, Lon]	[38.510036°, -94.441316°]
Deg, Min, Sec [Lat, Lon]	[38° 30' 36.1", -94° 26' 28.7"]
County Name	Cass
County FIPS Code	037
Legal Description	Section 22 T43N R32W
Municipality	NO VALUE
House District	56
Senate District	31
Congressional District	4
MoDNR Region	Kansas City Regional Office
USGS 1:24,000 Quadrangle	Everett [38094-E4]
8 Digit Watershed	10290108 [South Grand]
10 Digit Watershed	1029010802 [Mormon Fork-South Grand River]
12 Digit Watershed	102901080203 [Black Creek-South Grand River]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Osage/South Grand
Level III Ecoregion	Central Irregular Plains
Query Time	6.984 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