



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

8/18/15

JUL 29 2014

Mo Oil & Gas Council

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

NAME OF COMPANY OR OPERATOR: MURCHISON OIL & GAS INC. DATE: 07/17/2014

ADDRESS: 1100 MIRA VISTA CITY: PLANO STATE: TX ZIP CODE: 75093

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: 3-Rice WELL NUMBER: 4-6-B ELEVATION (GROUND): 916

WELL LOCATION: 2145 ft. from North South section line 1485 ft. from East West section line

WELL LOCATION: Sec. 3 Township 33 North Range 31 East West LATITUDE: 37.64165 LONGITUDE: -94.31541 COUNTY: Barton **oil**

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 1155 FEET
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 660 FEET

PROPOSED DEPTH: 56' DRILLING CONTRACTOR, NAME AND ADDRESS: MURCHISON OIL & GAS INC. ROTARY OR CABLE TOOLS: CORE RIG APPROX. DATE WORK WILL START: 07/17/2014

NUMBER OF ACRES IN LEASE: 235 NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 4
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 \$ 20,000.00 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
NONE TO	BE SET						

I, the Undersigned, state that I am the Geologist of the MOGI (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: *Alb. Ma...* DATE: 07/17/2014

PERMIT NUMBER: **20040**
APPROVED DATE: **8-18-14**
APPROVED BY: *Joseph A. Millman*

DRILLER'S LOG REQUIRED E-LOGS REQUIRED IF RUN
 CORE ANALYSIS REQUIRED IF RUN DRILL SYSTEM TEST INFO REQUIRED IF RUN
 SAMPLES REQUIRED *Most extensive core on list*
 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, _____ of the _____ (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.

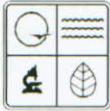
DRILLER'S SIGNATURE: _____ DATE: _____

RECEIVED

JUL 29 2014

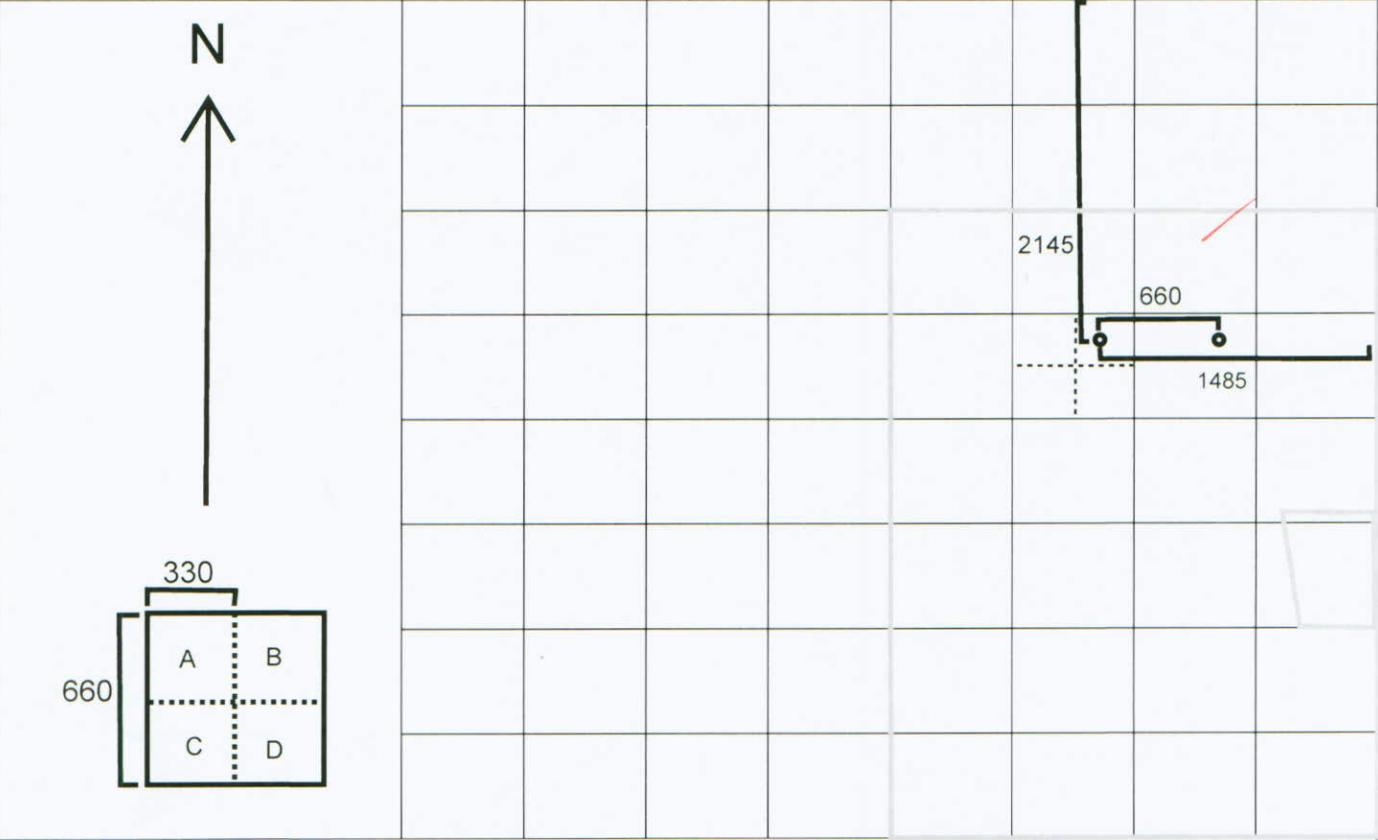
FORM OGC-4

Mo Oil & Gas Council



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

OWNER'S NAME Murchison Oil & Gas	
LEASE NAME 3-Rice	COUNTY Barton
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 2145 ft. from <input checked="" type="checkbox"/> North <input type="checkbox"/> South from section line 1485 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 3 Township 33 North Range 31 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE 37.64165 ✓	LONGITUDE -94.31541 ✓



REMARKS

 = Murchison Lease Hold

Exhibit A

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]

Easting
383948.1873690282 meters

Northing
4166870.2226935904 meters

Decimal Degrees

Latitude
37.64165 °

Longitude
-94.31541 °

Degrees, Minutes and Seconds

Latitude Degrees
37 °

Latitude Minutes
38 '

Latitude Seconds
29.9399999999994598 "

Longitude Degrees
-94 °

Longitude Minutes
18 '

Longitude Seconds
55.475999999999885 "

UTM Zone 15N [Easting, Northing]	[383948.1, 4166870.2] meters
Decimal Degrees [Lat, Lon]	[37.64165°, -94.31541°]
Deg, Min, Sec [Lat, Lon]	[37° 38' 29.9", -94° 18' 55.4"]
County Name	Barton
County FIPS Code	011
Legal Description	Section 03 T33N R31W
Municipality	NO VALUE
House District	127
Senate District	31
Congressional District	4
MoDNR Region	Southwest Regional Office
USGS 1:24,000 Quadrangle	Sheldon [37094-F3]
8 Digit Watershed	10290104 [Marmaton]
10 Digit Watershed	1029010404 [Little Dry Wood Creek]
12 Digit Watershed	102901040402 [Pleasant Run Creek]
Special Well Drilling Area	Area 2
Ecological Drainage Unit	Central Plains/Osage/South Grand
Level III Ecoregion	Central Irregular Plains
Query Time	6.969 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



DETAIL OF FORMATIONS PENETRATED

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * BELOW)
Top Soil	0	13	Top soil and clay mix
Blue Jacket	13	33	Oil Bearing Sandstone
Warner	33	56	Harder Sandstone

NOTE * 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.

INSTRUCTIONS Attach drillers log or other acceptable log of well if available.
This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.