

Permit #: 20011

Date Issued: 6-16-81

County: Atchison

Date Cancelled: _____

CONFIDENTIAL UNTIL: _____

Date Plugged: 7-25-81

COMMENTS:

OGC FORMS	Date Received
1	
2	
3	6-16-81
3i	
4	6-16-81
4i	
5	9-12-83
6	see note
7	9-12-83
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip core		
	water	8805	
Analyses	core		

Additional Submitted Data:

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR Big 4 Drilling DATE _____

3348 Brookhill La Crescenta Ca, 91214

Address City State

DESCRIPTION OF WELL AND LEASE

Name of lease Big 4/Rankin #2 Well number 2 Elevation (ground) _____

WELL LOCATION (give footage from section lines) 660 ft. from (N) sec. line 660 ft. from ~~(E)~~ (W) sec. line

WELL LOCATION Section: 34 Township: 66 Range: 40W County: Atchison

Nearest distance from proposed location to property or lease line: 660 feet Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: 2960 feet

Proposed depth: 1,500 Ft. Rotary ~~XXXXXXXX~~ Air Rotary Approx. date work will start _____

Number of acres in lease: 640 Number of wells on lease, including this well, completed in or drilling to this reservoir: 1 Number of abandoned wells on lease: unknown

If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____ No. of Wells: producing _____ inactive _____ abandoned _____

Status of Bond Single Well Amt. \$4,000 Blanket Bond Amt. _____ ON FILE ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Exploratory Well

Proposed casing program:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>340'</u>	<u>7"</u>	<u>22.6</u>	<u>yes</u>	_____	_____	_____	_____
<u>1500'</u>	<u>2 7/8"</u>	<u>10</u>	<u>yes</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

I, the undersigned, state that I am the Owner of the Big 4 Drilling (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]

Permit Number: 20011 RECEIVED SAMPLES REQUIRED SAMPLES NOT REQUIRED

Approval Date: [Signature] JUN 16 1981

Approved By: [Signature] WATER SAMPLES REQUIRED @: _____

Note: This Permit not transferable to any other person or to any other location.
Remit two copies to: Missouri Oil and Gas Council P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

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.

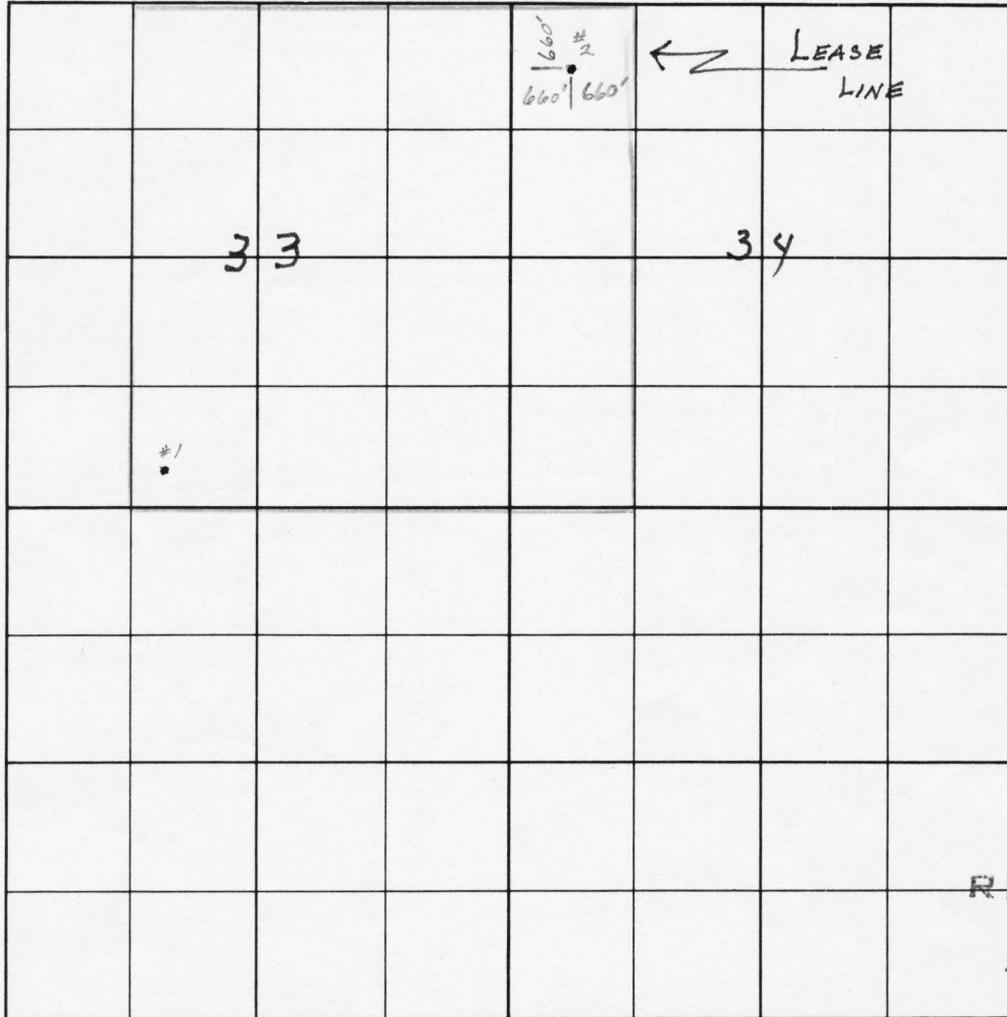
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC - 4

Owner: Big 4 Drilling

Lease Name: Rankin #2 County, Atchison

660 feet from (N) - (S) line and 660 feet from (E) - (W) line of Sec. 34 Twp. 66N Range 40W



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JUN 16 1981

MO. OIL & GAS COUNCIL

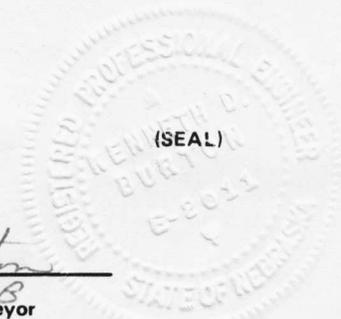
REMARKS: _____

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned.

Fenneth D. Burton
Registered Land Surveyor



WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well Workover Deepen Plug Back Injection Same Reservoir Different Reservoir Oil Gas Dry

Owner <i>Rankin Estate</i>		Address <i>Tarkio, Mo.</i>		
Lease Name <i>Rankin</i>		Well Number <i>2</i>		
Location <i>S 33-T66-R40 W</i>		Sec., Twp., and Range or Block and Survey		
Company <i>Atchinson</i>		Permit number (OGC 3 or OGC 31) <i>lost in mud pit</i>		
Date spudded	Date total depth reached <i>7-25-81</i>	Date completed, ready to produce or inject <i>—</i>	Elevation (DF, RKR, RT, or Gr.) feet <i>1070 RT</i>	Elevation of casing hd. flange feet <i>—</i>
Total depth <i>1420</i>	P. B. T. D.			
Producing or injection interval(s) for this completion <i>—</i>		Rotary tools used (interval) From <i>0</i> to <i>1420</i> Drilling Fluid used <i>same</i>		Cable tools used (interval) From <i>0</i> to <i>—</i>
Was this well directionally drilled? <i>NO</i>	Was directional survey made?	Was copy of directional survey filed?	Date filed	
Type of electrical or other logs run (list logs filed with the State Geologist) <i>NO NO</i>			Date filed	

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	Amt. pulled
<i>SURFACE</i>	<i>9"</i>	<i>6"</i>		<i>323'</i>	<i>60</i>	<i>0</i>

TUBING RECORD

LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD

ACID SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amount and kind of material used	Depth Interval

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)				
Date of test	Hrs. tested	Choke size	Oil produced during test bbls.	Gas produced during test MCF	Water produced during test bbls.	Oil gravity API (Corr.)
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hours	Oil bbls.	Gas MCF	Water bbls.	Gas — oil ratio

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents:

Pumped back into Dry hole

CERTIFICATE: I, the undersigned, state that I am the *owner* of the *Big 4 Drilling* (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.

James E. Bandy
Signature

RECEIVED

SEP 12 1983

MO. OIL & GAS COUNCIL

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
			<p><i>I fell into the mud pit. The drillers log & drilling permit went with me on my clipboard. I lost them.</i></p>

*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. Submit analysis of injection interval formation waters.

Missouri Oil and Gas Council
PLUGGING RECORD

Form OGC-7

20011

Owner RANKIN Estate		Address TARKID, MO.			
Name of Lease RANKIN		Well No. 2	Permit Number (OGC-3 or OGC-3I number) See Reverse side		
Location of Well 5-33 / Twp 66 / Rge 40 W.		Sec-Twp-Rng or Block & Survey		County Atchison	
Application to drill this well was filed in name of Big 4 Drilling		Has this well ever produced oil or gas? NO	Character of well at completion (initial production) Oil (bbls/day) Gas (MCF/day)		Dry? completely
Date Abandoned 7-25-81	Total depth 1420	Amount well producing prior to abandonment Oil (bbls/day) Gas (MCF/day)		Water (bbls/day)	
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.		Fluid content of each formation		Depth interval of each formation	
NONE					
Size pipe	Put in well (ft)	Pulled out (ft)	Left in well (ft)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
6"	323'	0	323'	none	6" Shoe - 60 bags concrete
Was well filled with mud-laden fluid? YES		Indicate deepest formation containing fresh water. 300-310'			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name RANKIN Estate		Address TARKID, MO.			Direction from this well:
Method of disposal of mud pit contents: Pumped back into Dry hole					
Use reverse side for additional detail.					
File this form in duplicate with					
CERTIFICATE: I, the undersigned, state that I am the <u>owner</u> of the <u>Big 4 Drilling</u> (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 James L. Baines

RECEIVED

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, MO 65401

SEP 12 1983

One will be returned.

MO. OIL & GAS COUNCIL

3/12/82

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description (See * below)
			<p>I fell in the mud pit with clip board that had drillers log & Drilling permit on it. It is lost.</p> <hr/> <p>The reason for the delay was the owner of the lease allowed us time to raise more money to try & complete the well. I couldn't.</p> <p style="text-align: right;">Jim Bauer</p>

*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.

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

Box 250

Rolla, Missouri 65401

Big 4 Drlg. Co.

County: ATCHISON

Owner: ROBERT RANKIN

#2

Location: SEC 34-T66N-R40W

Analysis No.: 8805

Analyst: Grove

Collector: _____

Date Collected: 9/10/82

Date Analyzed: 9/82

CONSTITUENTS

IN PARTS PER MILLION

Turbidity	
Odor	
pH	
Alkalinity (CaCO ₃)	
Phenolphthalein	
Methyl Orange	
Carbonate (CO ₃)	
Bicarbonate (HCO ₃)	
Silica (SiO ₂)	
Aluminum (Al)	
Calcium (Ca)	
Magnesium (Mg)	
Sodium (Na)	37.0
Potassium (K)	
Total Manganese (Mn)	
Total Iron (Fe)	
Sulfate (SO ₄)	
Chloride (Cl)	12.5
Nitrate (NO ₃)	
Fluoride (F)	
Total Dissolved Solids	1384
Total Hardness	
Carbonate Hardness	
Non-carbonate Hardness	

Remarks:

Copies To:

I lost the OGC-6 Form.
Here is my statement:

Notice of intention to Abandon Well.

Lease Name: Rankin ~~well~~ Well # 2
Date Plugged: 8-13-83
Located: 1340 east feet from N Line & 460 east
feet from E line
S-33 Twp-66-Rg 40 W
in Otterison county
ELEVATION: 1070 R.B.

Big 4 Drilling plugged the hole.

Detail of Plugging

10 bags of cement @ 1200'
mud slurry to 330'
10 bags of cement 320 to 330'
5 bags of cement & plug 15' to top.

I certify I am the owner of Big 4 Drilling

James Rankin

RECEIVED

SEP 12 1983

MO. OIL & GAS COUNCIL