

Permit #: 20018

Date Issued: 2-28-82

County: Atchison

Date Cancelled:

CONFIDENTIAL UNIT: 11:

Date Plugged: 8-20-82

COMMENTS:
Stratigraphic test hole

OGC FORMS	Date Received
1	
2	
3	7-28-82
3i	
4	7-28-82
4i	7-28-82
5	
6	
7	5-25-82
8	8-20-82
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	test log		5-25-82
	Q-log		8-20-82
Samples	chip core		
	water		
Analyses	core		

Additional Submitted Data:
 test hole report

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK
 for an oil well or gas well STRATIGRAPHIC TEST

NAME OF COMPANY OR OPERATOR RHODEN INVESTMENT COMPANY DATE July 15, 1982
 % McCune Engineering; 1111 Fremont; Baldwin City, Kansas 66006 State _____

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>R-Bar Ranch</u>	Well number <u>2</u>	Elevation (ground) <u>1082.11</u>	
WELL LOCATION (give footage from section lines) <u>100 feet East of Center of Sec.</u>			
_____ ft. from (N) (S) sec. line		_____ ft. from (E) (W) sec. line	
WELL LOCATION	Section <u>4</u> Township <u>64 N</u> Range <u>38 W</u>	County <u>Atchison</u>	
Nearest distance from proposed location to property or lease line: <u>2540</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease: <u>approx. 3700</u> feet	
Proposed depth <u>350</u>	Drilling contractor, name & address	Rotary or Cable Tools <u>Rotary</u>	Approx. date work will start <u>July 26, 1982</u>
Number of acres in lease <u>4699</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>8</u>	
		Number of abandoned wells on lease: <u>0</u>	
If lease, purchased with one or more wells drilled, from whom purchased:		No. of Wells: producing <u>0</u>	
Name _____		injection <u>0</u>	
Address _____		inactive <u>0</u>	
		abandoned <u>0</u>	
Status of Bond		<input checked="" type="checkbox"/> ON FILE	
Single Well <input type="checkbox"/> Amt. _____		<input type="checkbox"/> ATTACHED	
		Blanket Bond <input checked="" type="checkbox"/> Amt. <u>\$20,000</u>	
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. <u>Well will be drilled to Total Depth, logged through drill pipe with radioactivity log, and plugged with cement from base of Glacial Drift to plow depth.</u>			
Proposed casing program:		Approved casing -- To be filled in by State Geologist	
amt.	size	wt./ft.	cem.
<u>NONE</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the <u>consulting engr.</u> of the <u>Rhoden Invest. Co.</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.			
Approval Limited to <u>Stratigraphic Test Only</u>		Signature <u>Wayne McCune</u>	

Permit Number: #20018
 Approval Date: 7/28/82
 Approved By: Wallace B. Howe

- Drillers log required
- E-logs required if run
- Core analysis required if run
- Drill stem test info. required if run
- Samples required
- Samples not 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

RECEIVED
 JUL 28 1982

WATER SAMPLES REQUIRED @

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.

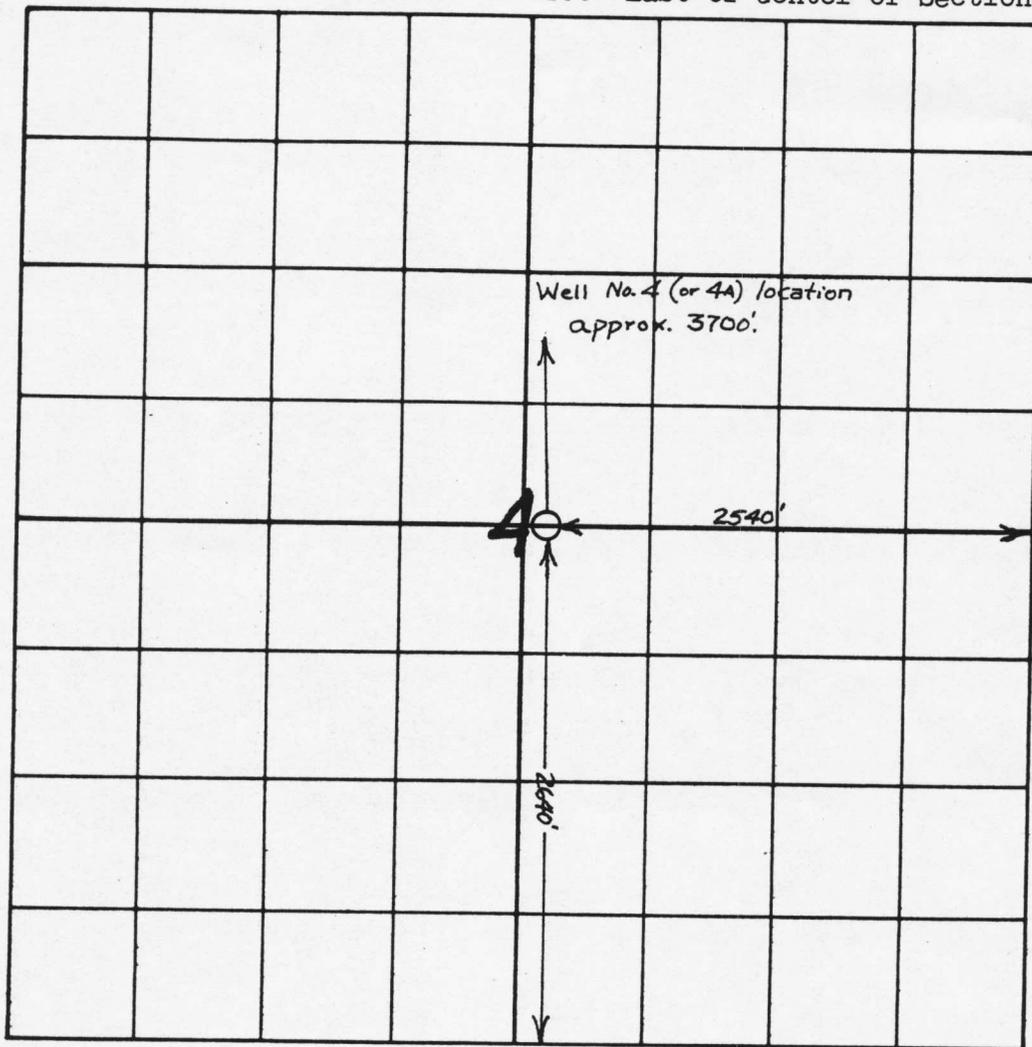
MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: RHODEN INVESTMENT COMPANY

Lease Name: R-Bar Ranch Stratigraphic Test No. 2 County: Atchison

 feet from line and feet from line of Sec. 4, Twp. 64 N, Range 38 W
(N) - (S) (E) - (W) 100' East of Center of Section



SCALE
1" =

REMARKS: _____

#20018

Approval Limited to
Stratigraphic Test Only

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.

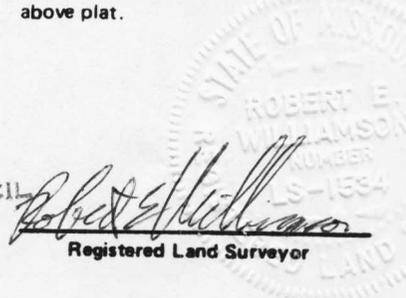
This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

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JUL 28 1982

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

One will be returned.



(SEAL)

Registered Land Surveyor

1534
Number

Missouri Oil and Gas Council
PLUGGING RECORD

Form OGC-7

2

Owner RHODEN INVESTMENT CO.		Address P. O. Box 322, Grandview, MO 64030			
Name of Lease R-BAR RANCH		Well No. 2	Permit Number (OGC-3 or OGC-3I number) 20018		
Location of Well 100' East of Center of		Sec-Twp-Rng or Block & Survey S4-T64N-R38W		County ATCHISON <input checked="" type="checkbox"/> NODAWAY <input type="checkbox"/>	
Application to drill this well was filed in name of RHODEN INVESTMENT		Has this well ever produced oil or gas? NO	Character of well at completion (Initial production) Oil (bbbls/day) N.A. Gas (MCF/day) N.A.		Dry? N.A.
Date Abandoned 8/20/82	Total depth 295'	Amount well producing prior to abandonment Oil (bbbls/day) N.A. Gas (MCF/day) N.A.		Water (bbbls/day) N.A.	
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	
N.A.		STRATIGRAPHIC TEST HOLE ONLY		Cemented T.D. to Plow Depth	
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
	N.A.		N.A.	N.A.	N.A.
Was well filled with mud-laden fluid?		Indicate deepest formation containing fresh water. N.A.			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name		Address		Direction from this well:	
N.A.		No other operators closer than the Tarkio Field			
		Subject property owned entirely by Rhoden Investment Co.			
Method of disposal of mud pit contents:		RECEIVED MAY 25 1988			
Use reverse side for additional detail. File this form in duplicate with		MO Oil & Gas Council Economic Geology			
<p>CERTIFICATE: I, the undersigned, state that I am the <u>Treasurer</u> of the <u>Rhoden Investment Co</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.</p> <p style="text-align: right;">Signature <u>Charles J. Randall</u></p>					

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 260, Rolla, MO 65401

One will be returned.

3/12/82

DETAIL OF FORMATIONS PENETRATED

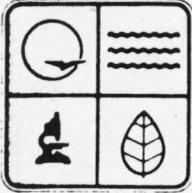
Formation	Top	Bottom	Description (See * below)
			<p align="center">TEST HOLE REPORT (LAYNE WESTERN) (Drillers Log)</p> <p align="center">GAMMA NEUTRON LOG (MIDWEST SURVEYS)</p> <p align="center">ENCLOSED</p>

*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 Resumption report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.



June 6, 1985

MISSOURI DEPARTMENT OF NATURAL RESOURCES

P.O. Box 250 Rolla, Missouri 65401 (314) 364-1752

Mr. Larry McCracken
Rhoden Investment Company
P.O. Box 322
Grandview, MO 64030

Mr. McCracken:

On various dates the following wells were permitted to Rhoden Investment Company.

<u>Lease Name & Number</u>	<u>Location</u>	<u>County</u>	<u>Permit Number</u>
Merryvale #50A	Sec.33,T47N,R33W	Jackson	20513
Merryvale #50J	Sec.33,T47N,R33W	Jackson	20659
Merryvale #50K	Sec.33,T47N,R33W	Jackson	20657
R-Bar Ranch #1	Sec. 9,T64N,R38W	Atchison	20017
R-Bar Ranch #2	Sec. 4,T64N,R38W	Atchison	20018
R-Bar Ranch #3	Sec. 5,T64N,R38W	Atchison	20019
R-Bar Ranch #4	Sec.33,T65N,R38W	Atchison	20020
R-Bar Ranch Alternate 4	Sec.33,T65N,R38W	Atchison	20021
R-Bar Ranch 5	Sec.35,T65N,R38W	Nodaway	20011
R-Bar Ranch 6	Sec.27,T65N,R38W	Nodaway	20012
R-Bar Ranch 7	Sec.28,T65N,R38W	Atchison	20022
R-Bar Ranch 8	Sec.29,T65N,R38W	Atchison	20023

I have not received a plugging report (OGC-7) or a completion report (OGC-5) on these wells. If these wells have not been drilled, let me know. If you wish to cancel these wells, please advise.

Since this information is already overdue, please respond within 2 weeks. Attached you will find 2 excerpts from the Oil and Gas Council Rules and Regulations that pertain to your situation.

Please let me know the status of these wells and your intentions for same.

I will be looking forward to hearing from you in the near future.

Sincerely,

Bruce W. Netzler, Geologist
Economic Geology Section

BWN:lm
Enclosure

John D. Ashcroft Governor
Frederick A. Brunner Director

Division of Geology and Land Survey
Wallace B. Howe Director



TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name Rhoden Investment

Job No. A-947 Date 8/19-20/82

City Tarkio State Missouri

TEST HOLE
No. 2

Driller M. L. Blank

Test Hole Location _____

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured _____ Hours After Completion	
				FORMATION	
0.0'	1.0'			Topsoil	
1.0'	5.0'			Yellow brown silty clay	
5.0'	6.0'			Same	
6.0'	10.0'			Gray silty clay	
10.0'	13.0'			Same	
13.0'	15.0'			Gray & brown silty clay w/trace sand	
15.0'	20.0'			Same	
20.0'	25.0'			Gray & brown clay w/trace sand	
25.0'	28.0'			Same	
28.0'	29.0'			Brown clayey sand, medium, dense	
29.0'	30.0'			Gray & brown clay w/trace sand	
30.0'	35.0'			Brown clay	
35.0'	38.0'			Same	
38.0'	39.5'			Brown fine to medium sand, loose	
39.5'	40.0'			Brown & gray clay	

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MAY 25 1988

MO Oil & Gas Council
Economic Geology

NOTES: Size of Pit _____ X _____ X _____ DEEP



TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name Rhoden Investment

Job No. _____ Date _____

City _____ State _____

TEST HOLE

No. 2

Driller _____

Test Hole Location _____
Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured _____ Hours After Completion FORMATION
40.0'	45.0'			Brown & gray clay
45.0'	50.0'			Same
50.0'	55.0'			Same
55.0'	60.0'			Gray clay w/trace sand
60.0'	65.0'			Same
65.0'	70.0'			Same
70.0'	75.0'			Same
75.0'	80.0'			Gray clay
80.0'	85.0'			Same
85.0'	90.0'			Same
90.0'	95.0'			Gray clay w/trace sand
95.0'	100.0'			Same
100.0'	105.0'			Same
105.0'	110.0'			Same
110.0'	115.0'			Same

NOTES: Size of Pit _____ X _____ X _____ DEEP



TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name Rhoden Investment

Job No. _____ Date _____

City _____ State _____

Driller _____

TEST HOLE No. 2

Test Hole Location _____

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured
				_____ Hours After Completion
				FORMATION
115.0'	120.0'			Gray clay w/trace sand
120.0'	125.0'			Same
125.0'	130.0'			Gray sandy clay
130.0'	135.0'			Same
135.0'	140.0'			Gray sandy clay w/boulders
140.0'	145.0'			Same
145.0'	150.0'			Same
150.0'	155.0'			Same
155.0'	160.0'			Same
160.0'	165.0'			Same
165.0'	170.0'			Same
170.0'	175.0'			Gray sandy clay w/boulders & trace shale
175.0'	180.0'			Same
180.0'	185.0'			Same
185.0'	190.0'			Same

NOTES: Size of Pit _____ X _____ X _____ DEEP



TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name Rhoden Investment

Job No. _____ Date _____

City _____ State _____

TEST HOLE

No. 2

Driller _____

Test Hole Location _____

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured
				_____ Hours After Completion
				FORMATION
190.0'	195.0'			Gray sandy clay w/boulders & trace shale
195.0'	200.0'			Same
200.0'	205.0'			Same
205.0'	210.0'			Same
210.0'	215.0'			Same
215.0'	220.0'			Same
220.0'	225.0'			Same
225.0'	230.0'			Light gray sandy clay
230.0'	232.0'			Same
232.0'	235.0'			Coal
235.0'	240.0'			Gray shale, hard
240.0'	245.0'			Same
245.0'	250.0'	(Roller bit)		Same
250.0'	255.0'			Same
255.0'	256.0'			Same

NOTES: Size of Pit _____ X _____ X _____ DEEP



TEST HOLE REPORT

Layne-Western Company, Inc.

Contract Name Rhoden Investment

Job No. _____ Date _____

City _____ State _____

Driller _____

TEST HOLE
No. 2

Test Hole Location _____

Distance and Direction from Permanent Landmark or Previous Test Hole

TEST LOG

FROM	TO	MARSH FUNNEL VISCOSITY SECONDS	MUD PIT LOSS INCHES	Static Water Level _____ Measured _____ Hours After Completion	FORMATION
256.0'	260.0'				Dark gray limestone, hard
260.0'	265.0'				Light gray limestone, hard
265.0'	269.0'				Same
269.0'	270.0'				Light gray shale w/limestone seams
270.0'	275.0'				Same
275.0'	280.0'				Same
280.0'	281.0'				Same
281.0'	285.0'				Light brown limestone, hard
285.0'	287.0'				Dark gray shale, hard
287.0'	290.0'				Gray & brown limestone
290.0'	295.0'				Dark gray limestone w/shale seams, hard
295.0'	Total depth				

NOTES: Size of Pit 10' x 10' x 4' DEEP