

Permit #: 20008  
 County: Clark  
 CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Issued: 11-9-83  
 Date Cancelled: \_\_\_\_\_  
 Date Plugged: Nov 1983

COMMENTS:

OCC FORMS	Date Received
1	11-9-83
2	
3	11-9-83
3i	
4	11-2-83
4i	
5	
6	
7	6-18-85
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs	<u>E-log</u>		<u>6-18-85(2)</u>
Samples	chip core		
	water core		
Analyses			

Additional Submitted Data:

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 TYLEX, INCORPORATED DATE Nov. 9 1983  
1001 ESE LOOP 323 #410 TYLER, TEXAS 75703  
Address City State

DESCRIPTION OF WELL AND LEASE			
Name of lease <u>MERRION FARMS</u>	Well number <u>1</u>	Elevation (ground) <u>640</u>	
WELL LOCATION (give footage from section lines) <u>4780</u> ft from <del>the</del> (S) sec. line <u>1530</u> ft from <del>the</del> (W) sec. line			
WELL LOCATION Section <u>10</u> Township <u>65N</u> Range <u>7W</u>		County <u>CLARK</u>	
Nearest distance from proposed location to property or lease line <u>2,540</u> feet		Distance from proposed location to nearest drilling, completed or applied for well on the same lease <u>NONE</u> feet	
Proposed depth <u>1,000</u>	Drilling contractor, name & address <u>SCHELL DRILLING</u> <u>MT. STERLING, ILLINOIS</u>	Rotary or Cable Tools <u>ROTARY</u>	Approx. date work will start <u>NOV. 10, 1983</u>
Number of acres in lease <u>± 1,540</u>		Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>0</u> Number of abandoned wells on lease: <u>0</u>	
If lease, purchased with one or more wells drilled, from whom purchased Name _____ Address _____		No. of Wells: producing _____ injection _____ inactive _____ abandoned _____	
Status of Bond Single Well <input type="checkbox"/> Amt. _____		Blanket Bond <input checked="" type="checkbox"/> Amt. _____ <input type="checkbox"/> ON FILE <input type="checkbox"/> 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.			
Proposed casing program		Approved casing - To be filled in by State Geologist	
amt. <u>150'</u> <u>1000'</u>	size <u>8 7/8"</u> <u>4 1/2"</u>	wt /ft <u>17.5#</u> <u>10#</u>	cem. <u>SURFACE</u> <u>SURFACE</u>
_____	_____	_____	_____
_____	_____	_____	_____
I, the undersigned, state that I am the _____ of the _____ (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: <u>William J. Coleman</u>			

Permit Number 20008  
Approval Date 11-9-83  
Approved By Wallace B. Howe  
GCR

- Drillers log required
- Drill stem test info. required if run
- E-logs required if run
- Samples required
- Core analysis 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

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NOV 28 1983 MO. OIL & GAS COUNCIL

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.



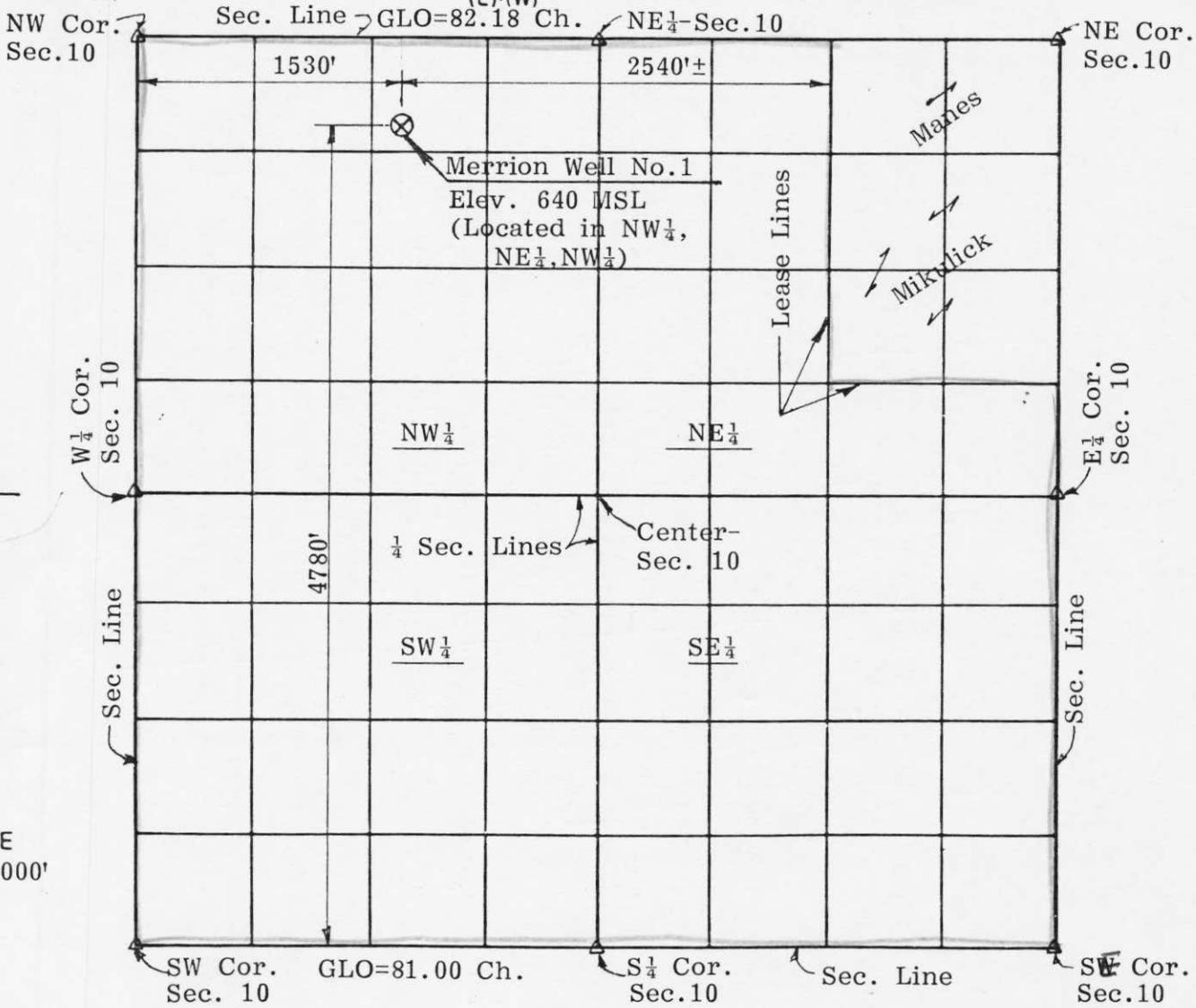
Tylex, Inc.

Owner: 1001 ESE Loop 223 - Suite 410 - Tyler, Texas 75703

Lease Name: Merrion Lease

County: Clark

4780 feet from S section line and 1530 feet from W section line of Sec. 10, Twp. 65N., Range 7W



SCALE  
1" = 1000'

REMARKS:

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.

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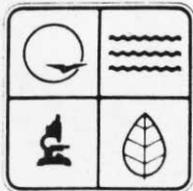
MO. OIL & GAS COUNCIL

*Robert St. Clair*  
Registered Land Surveyor

10/26/83



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



MISSOURI DEPARTMENT OF NATURAL RESOURCES

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

June 6, 1985

Mr. Emmett I. Davis  
Tylex, Inc.  
Suite 410, 1001 ESE Loop 323  
Tyler, TX 75703

Mr. Davis

On November 9, 1983 the following well was permitted to Tylex, Inc.

<u>Lease Name &amp; Number</u>	<u>Location</u>	<u>County</u>	<u>Permit Number</u>
Merrion Farms #1	Sec.10,T65N,R7W	Clark	20008

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

PLUGGING RECORD

Owner <b>Tylex, Inc.</b>		Address <b>1001 ESE Loop 323, Ste. 410 Tyler, TX75703</b>			
Name of Lease <b>Merrion Farms</b>		Well No. <b>1</b>	Permit Number (OGC-3 or OGC-3I number) <b>2008</b>		
Location of Well <b>Sec 10, T65N, R7W</b>		Sec-Twp-Rng or Block & Survey		County <b>Clark</b>	
Application to drill this well was filed in name of <b>Tylex, Inc.</b>		Has this well ever produced oil or gas? <b>No</b>	Character of well at completion (initial production) Oil (bbls/day) <b>0</b> Gas (MCF/day) <b>0</b>		Dry? <b>Yes</b>
Date Abandoned <b>Nov. 1983</b>	Total depth <b>995'</b>	Amount well producing prior to abandonment Oil (bbls/day) <b>0</b> Gas (MCF/day) <b>0</b>		Water (bbls/day) <b>0</b>	
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	
<b>No Shows</b>				<b>Well cemented TD to surface w/200SX</b>	
<b>Geological Report Attached</b>					
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
<b>8 5/8"</b>	<b>150'</b>	<b>0</b>	<b>150'</b>		<b>None</b>
Was well filled with mud-laden fluid? <b>No</b>		Indicate deepest formation containing fresh water. <b>Saint Petersburg</b>			
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name <b>Andrew Mikulich</b>		Address <b>unknown</b>		Direction from this well: <b>2,540' East</b>	
<b>Elva Manes</b>		<b>unknown</b>		<b>2,540' Northeast</b>	
<b>RECEIVED</b>					
Method of disposal of mud pit contents: <b>No mud used</b>			<b>JUN 18 1985</b>		
Use reverse side for additional detail. File this form in duplicate with			<b>MO. OIL &amp; GAS COUNCIL</b>		
CERTIFICATE: I, the undersigned, state that I am the <u>Vice-President</u> of the <u>Tylex, Inc.</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 <i>William J. Coleman</i>					

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

One will be returned.

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description (See * below)
			<p>Geological Report Attached</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.



# BUCKHORN OIL COMPANY

P.O. BOX 52

MT. STERLING, ILLINOIS 62353

217-773-2461

WLL REPORT. MARION FARMS NO#1  
CLARK COUNTY MISSOURI. DRILLED BY  
TYLEX INC,

## DEPTH

- 0-5- Black earth.
- 10-50- Limey iron rich clays.
- 50-70- Sandy limestone.
- 70- Shaley limestone.
- 90- Black shales.
- 125- Gritty black clays and shales.
- 140- Limey hard shales.
- 145- Top of the limestones.
- 155- Shaley limestone.
- 165- Cherty limestone and black shales.
- 170- Glauconitic limestone shales.
- 180- Cherty shales.
- 200- Hard shales.
- 205- Limestone and shales.
- 210- Cherty shales.
- 220- Cherty limestone.
- 240- Chert and limestone interbedded with some porosity filled with water, slight gas fluorescence.
- 245- Oolitic limestone, cherts with slight fluorescence(FL,).
- 250- Cherty limestone oolitic ,porous with alot of water.
- 260- Cherty limestone, alot of clays, very porous,.
- 270- Cherty limestone, water.
- 295- White cherty limestone, alot of water.
- 305- Shaley limestone.

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- 320- Siltstone and shale.
- 330- Clays and shale.
- 350- Hard black shale.
- 380- Cherty shales, green.
- 400- Clays.
- 430- Gumbo shales.
- 445- Hard black shale and limestones,.
- 480- Clays and shales, .10% FI, in the shale but swells with water.
- 495- Soft black oil shales, swells with water.
- 500- Black shales and clays.
- 515- Clays,.
- 600- Gritty green shales, alot of clays.
- 610- Hard black gritty shales,.
- 635- Limestone and black shale.
- 640- Shaley limestone.
- 645- Cherty limestone.
- 650- Gritty green shales,.
- 660- Sandy limestone and shales.
- 670- Cherty limestones, shales.
- 690- Shales clays and siltstones.
- 700- Siltstone with alot of water. Water is from the formation.
- 705- Siltstone and sandstone.
- 715- Fossiliferous reef formation. Limestones with alot of Rugose coral and crinoid  
FI, Poor reaction with acid.
- 725- Fossiliferous reef material, dolomite, slight FI,.
- 730- Reef rugose corals.
- 735- Porous, shaley siltstone.
- 740- Cherty siltstone.
- 755- Soft sandy limestone,.
- 775- Hard cherty siltstone.

- 780- Sandy siltstone.
- 785- Shaley siltstone.
- 800- Hard iron rich siltstone.
- 805- Siltstone with alot of iron rich cherts.
- 820- Sandy siltstone.
- 850- Sandy siltstone with alot of iron.
- 870- Cherty sandstone.
- 880- Iron rich sands.
- 890- Sandy siltstone.
- 895- Cherty siltstone.
- 900- Cherty sandstone.
- 910- Siltstone.
- 930- Sandy siltstone, Orange fluorescence in the samples from "dead oil"  
also alot of iron +.
- 950- St Peter sandstone, pure clean silica sand. Formation water
- 965- White sandstone.
- 995- T.D., white sandstone white sandstone with water.

The top of the formation consisted of iron rich sands and shales.

At 90' encountered a shale that was Abbott shale.

At 145' was a limestone that sems to be like St Inis.

At 170- This shale seems to be Warsaw.

At 220' The stratigraphis sequeence is like the sections in western Illinois.

This limestone layer at 220' is the Burlington and the oolitic and cherty limestone in this sequeence and depths sis like that in the area.

This also contained alot of water that is the main wàter zone.

The Kinderhook was at 305-635', At this point entered the Silurian section that was dry and had no porosity, Had green shale at the bottom of this that was Maquoketa shale, This was a thin section less than 50' thick and entered the Trenton series . In this most of the sections matched exactly with those in

northwestern Illinois. At 715'- 730' There was evidence of a large reef structure that had a slight fluorescence and should be explored further for the possibility for hydrocarbons, This is also found in some sections of the Trenton in Illinois.

All samples were tested for oil and Fluorescence, with the exception of some sections of oil shales there was no fluorescence in any of the samples. The oil shales were Devonian in age and contained too much clays and bentonite to be treated for the production of oil.

Also the water can be treated and if further exploration proves economical this will have to be shut off in the zone before the pay section is drilled into.

Randy M Pochel  
AAPG # 43544-9  
Ph, (217) 773-2461