

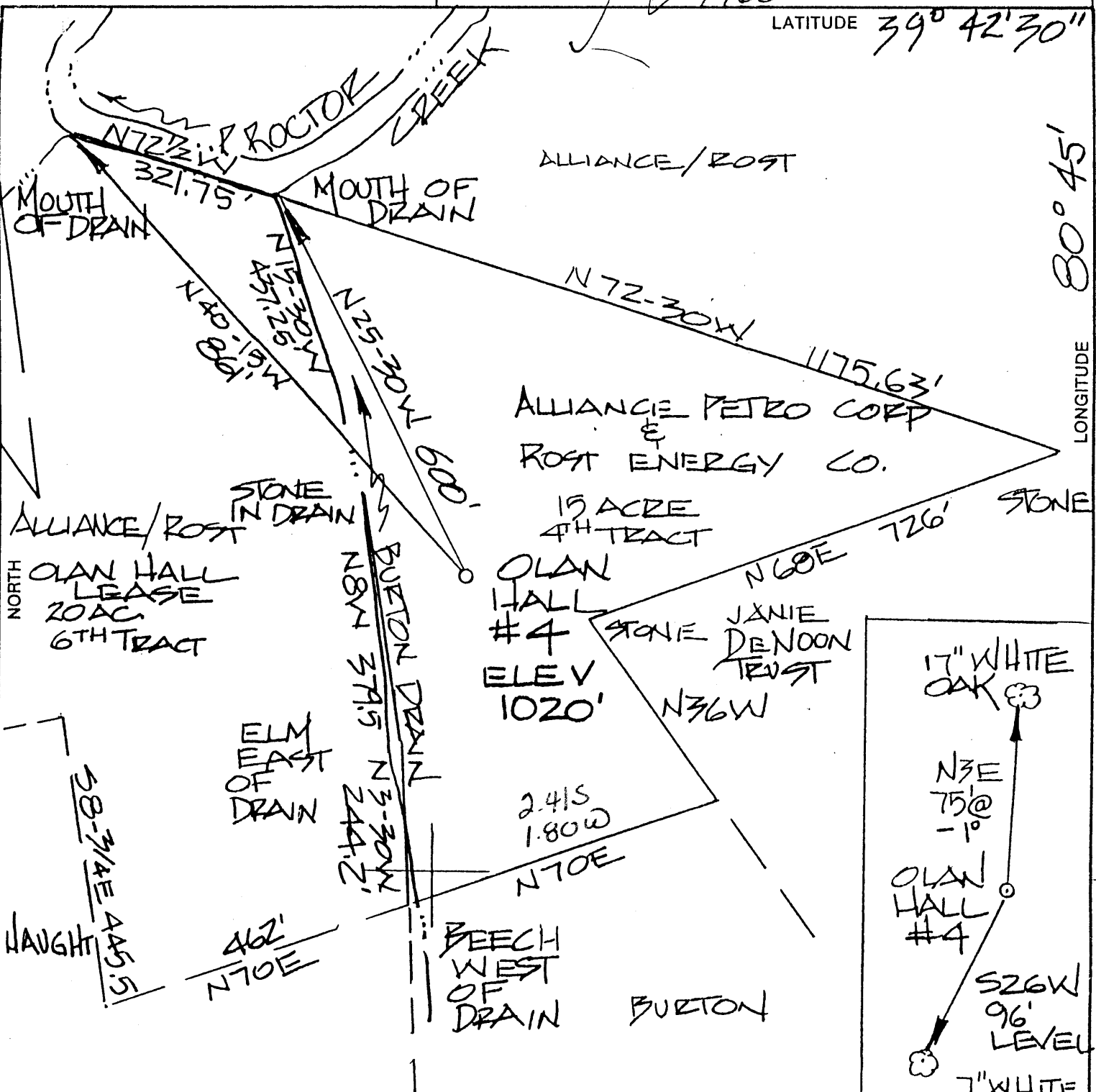
LATITUDE 39° 42' 30"

9460'

80° 45'

EQUIDISTANT

12720'

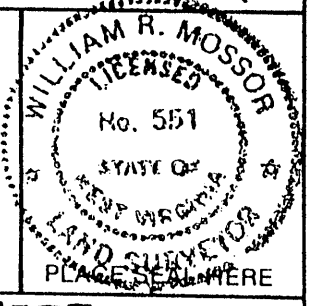


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 200'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION ROAD INTER. ELEV. 1320'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNATURE) *[Signature]*  
 R.P.E. \_\_\_\_\_ L.L.S. 551



STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 DIVISION OF OIL AND GAS



DATE 7 DECEMBER 19 99  
 OPERATOR'S WELL NO. OLAN HALL #4  
 API WELL NO. 47-103-01800  
 STATE COUNTY PERMIT

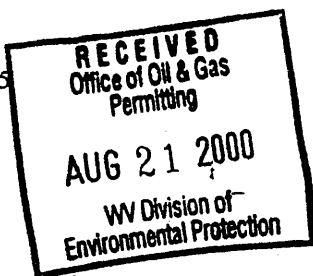
WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 1020' WATER SHED PROCTOR CREEK  
 DISTRICT PROCTOR COUNTY WETZEL  
 QUADRANGLE NEW MARTINSVILLE  
 SURFACE OWNER APC - ROST ENERGY CO ACREAGE 13 AC.  
 OIL & GAS ROYALTY OWNER APC - ROST ENERGY CO LEASE ACREAGE 5.75  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION GORDON ESTIMATED DEPTH 2900'  
 WELL OPERATOR OHIO LEM CO, INC DESIGNATED AGENT JEFF SAYGER  
 ADDRESS P.O. BOX 80 ADDRESS 16 FOX HILL TERRACE  
 RENO, OHIO 45773 PARKERSBURG, WV 26101

COUNTY NAME WETZEL

PERMIT 1800

6-6 23

WR-35



DATE: 8-16-00  
API#: 47-103-01800

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Reviewed \_\_\_\_\_

Farm name: Olan Hall Operator Well No.: #4

LOCATION: Elevation: 1020' Quadrangle: New Martinville

District: Proctor County: Wetzel

Latitude: 12,770 Feet South of 80 Deg. 45 Min.      Sec.

Longitude 9,460 Feet West of 39 Deg. 47 Min. 30 Sec.

Company: Ohio L&M Co., Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>4150 Belden Village Ave.</u>	<u>7"</u>	<u>675</u>	<u>675</u>	<u>110 sks</u>
<u>NW Suite 410 Canton, OH 44718</u>				
Agent: <u>Jeff Sayger</u>	<u>4-1/2"</u>	<u>2846</u>	<u>2846</u>	<u>75 sks.</u>
Inspector: <u>Randal Mick</u>				
Date Permit Issued: <u>12-28-99</u>				
Date Well Work Commenced: <u>1-10-00</u>				
Date Well Work Completed: <u>1-30-00</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): <u>2829'</u>				
Fresh Water Depth (ft.): <u>225'</u>				
Salt Water Depth (ft.): <u>1250'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>275 - 300'</u>				

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2746  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 5.0 MCF/d Final open flow 1.0 Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure 650 psig (surface pressure) after 72 Hours

\*Poor Well

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Martin L. Miller  
By: Martin L. Miller  
Date: Aug. 16, 2000

AUG 21 2000

WET 1800

**COPY**

WELL: Ohio L & M Co., Inc.#4 Olan Hall.

LOCATION: Proctor District, Wetzel County, West Virginia.

PERMIT NUMBER: Wetzel-

ELEVATION: 1020' Ground.

STATUS: Preparing to complete as a gas and oil producer.

TOTAL DEPTH: 2829' Logger.

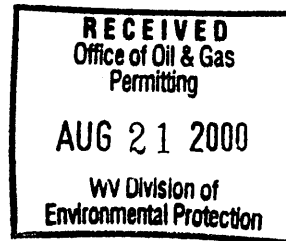
CONTRACTOR: Century Drilling Co..

TOOLS: Rotary.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Neutron- CCL by Timco, Inc..

SHOWS: Good to excellent hydrocarbon fluorescence was noted in the Gordon. A more detailed description of the above mentioned fluorescence can be found on the attached Formation Evaluation Log.



FORMATION TOPS:	Maxon Sandstone	1782'	- 762
	Big Lime (Greenbrier)	1820'	- 800
	Keener Sandstone	1904'	- 884
	Injun Sandstone	1990'	- 970
	Weir Sandstone	2244'	- 1224
	Berea Sandstone	2488'	- 1468
	Gordon Sandstone	2746'	- 1726

**STRUCTURAL COMPARISON:**

	Ohio L&M Co., Inc.	Ohio L&M Co., Inc.
	Olan Hall #4	Olan Hall #3
Big Lime	- 800	- 738
Berea Sandstone	- 1468	- 1453

**AUG 25 2000**

**COPY**

OLAN HALL #4

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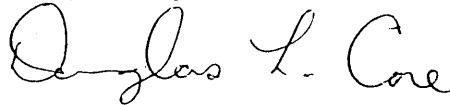
**GEOLOGY:**

Sample analysis indicated fair to good sandstone development in the Gordon, with fair development in the Berea. Good to excellent hydrocarbon fluorescence was noted in the Gordon, while fair fluorescence was noted in the Berea.

Because of poor bore hole conditions, no open hole logs could be run. A cased hole Gamma Ray-Neutron was run after casing was cemented. The Berea showed fair development, while the Gordon was thin but had high gas saturation.

The Berea and Gordon have the best chance for commercial production in this well and should be fair producers of gas with minor oil.

Respectfully submitted,



NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President

May 12, 2000.

