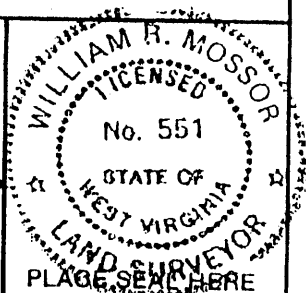


NOTE:
 SOME OF THE INFORMATION
 SHOWN ON THIS PLAT WAS
 TAKEN FROM 47-095-1690
 PLAT.

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 600'
 MINIMUM DEGREE OF
 ACCURACY 1:2500
 PROVEN SOURCE OF
 ELEVATION GPS SURVEY

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF ENERGY.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. 551



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

DATE 7 SEPTEMBER 2000
 OPERATOR'S WELL NO. HARTLEY-1
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 918 WATER SHED BRUSH RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE PENNSBORO

SURFACE OWNER DAVID HARTLEY ACREAGE 100
 OIL & GAS ROYALTY OWNER DAVID HARTLEY LEASE ACREAGE 100
 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 ALEXANDER ESTIMATED DEPTH 5700'
 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

OCT 06 2000

6-6 86

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

Reviewed:

Well Operator's Report of Well Work

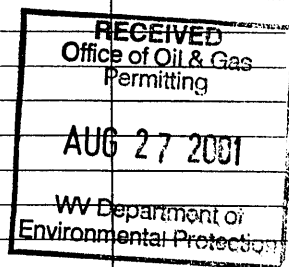
Farm name: Hartley Operator Well No.: #1

LOCATION: Elevation: 918' Quadrangle: Pennsboro

District: Meade County: Tyler
Latitude: 8650 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 7125 Feet West of 80 Deg. 57 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>16"</u>	<u>40'</u>	<u>0</u>	<u>N/A</u>
<u>NW Suite 410 Canton, OH 47718</u>				
Agent: <u>Jeff Sayger</u>	<u>11-3/4</u>		<u>168'</u>	<u>100 Sks.</u>
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>10-5-2000</u>	<u>8-5/8</u>		<u>1182</u>	<u>225 Sks.</u>
Date Well Work Commenced: <u>11-15-00</u>				
Date Well Work Completed: <u>12-15-00</u>	<u>4-1/2</u>		<u>5151</u>	<u>272 Sks.</u>
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): <u>5214</u>				
Fresh Water Depth (ft.): <u>107' Damp</u>				
Salt Water Depth (ft.): <u>1378'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				



OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4814-4820
Gas: Initial open flow Show MCF/d Oil: Initial open flow 0.0 Bbl/d
Final open flow 40 MCF/d Final open flow 0.0 Bbl/d After Frac
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 850 psig (surface pressure) after 48 Hours

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: Jan. 26, 2001

AUG 31 2001

TYL 1696

Completion:

Perforated Benson Sand With 24 Shots From 4814- 4820

Treat Well With 500 Gals. 15% HCl Acid, 760 Ebl. Slick Water
50,000# 20/40 Sand - N2 Assist

Aveg. Rate - 31 BPM - Aveg. Treat Pressure 3040

ISIP - 1637 5 Min - 1129

30' Sandstone	2682'	- 1754
Gordon Sandstone	2798'	- 1870
4 th Sandstone	2874'	- 1946
5 th Sandstone	2956'	- 2028
Warren Sandstone	3370'	- 2442
Speechley Sandstone	3748'	- 2820
Balltown Sandstone	3907'	- 2979
Bradford Sandstone	4390'	- 3462
Riley Sandstone	4638'	- 3710
Benson Sandstone	4808'	- 3880
Alexander Sandstone	5090'	- 4162

STRUCTURAL COMPARISON:

	Ohio L&M Co., Inc.	Consolidated Gas
	Hartley #1	Ayers #1
Benson Sandstone	- 3880	- 3859

GEOLOGY:

Sample analysis indicated very good sandstone development in the Benson, with fair development in the Weir, Gordon and Warren. A good show of gas was encountered in the Benson. Fair hydrocarbon fluorescence was noted in the Gas Sand and Benson Sandstone.

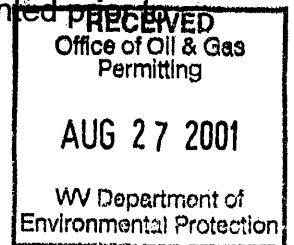
Based upon the open hole logs, the Benson Sandstone at 4810 to 4820' appears to be well developed with good gas saturations. The Gordon and Warren showed fair development.

The Benson Sandstone should be very good producer of gas in this well. A completion attempt on the Gordon and Warren would also be warranted prior to abandonment.

Respectfully submitted,



NATIONAL MINERALS CORPORATION
By: Douglas L. Core, President



December 4, 2000.

COPY

WELL: Ohio L & M Co., Inc.#1 Hartley.

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1696.

ELEVATION: 918' Ground 928' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 16" @ 38' 11" @ 168' 8 5/8" @ 1182'.

TOTAL DEPTH: 5214' Driller 5228' Logger.

CONTRACTOR: Nexus Drilling Co..

TOOLS: Rotary.

SPUD DATE: 11/16/2000.

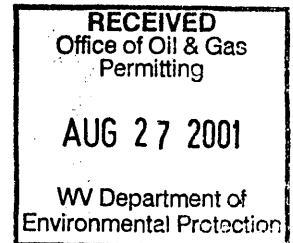
COMPLETED DRILLING: 12/2/2000.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Neutron- Compensated Density- Caliper- Induction- by Allegheny Wireline Services, Inc..

SHOWS: A good show of gas was encountered in the Benson Sandstone. Fair hydrocarbon fluorescence was noted in the Gas Sand and Benson Sandstone. A more detailed description of the above mentioned fluorescence can be found on the attached Formation Evaluation Log.

FORMATION TOPS:	2 nd Cow Run Sandstone	1208'	- 280
	Gas Sand	1350'	- 422
	1st Salt Sand	1405'	- 477
	2nd Salt Sand	1526'	- 598
	3rd Salt Sand	1620'	- 692
	Maxon Sandstone	Absent	
	Little Lime	1761'	- 833
	Big Lime (Greenbrier)	1786'	- 858
	Big Injun Sandstone	1876'	- 948
	Squaw Sandstone	1977'	- 1049
	Weir Sandstone	2246'	- 1318
	Berea Sandstone	2510'	- 1582
	Gantz Sandstone	2600'	- 1672



AUG 31 2001