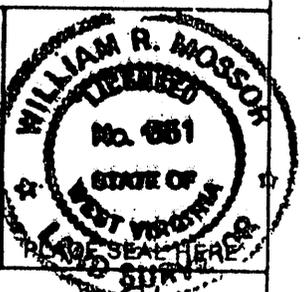


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION G.P.S. 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 REGULATIONS ISSUED AND PROMULGATED BY THE DEPARTMENT OF ENERGY AND NATURAL RESOURCES.  
 (SIGNATURE) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ P.S. 551



<b>STATE OF WEST VIRGINIA</b> DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS		DATE <u>6 JUNE</u> OPERATOR'S WELL NO. <u>7</u> API WELL NO. <u>47-095-01714</u>	
WELL TYPE: OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION _____ WASTE DISPOSAL _____ (IF "GAS," ) PRODUCTION <input checked="" type="checkbox"/> STORAGE _____ DEEP _____ SHALLOW <input checked="" type="checkbox"/>		STATE _____ COUNTY _____ PERMIT _____	
LOCATION: ELEVATION <u>1122'</u> WATERSHED <u>BRUSH RUN</u> DISTRICT <u>MEADE</u> COUNTY <u>TYLER</u> QUADRANGLE <u>PENNSBORO</u>		SURFACE OWNER <u>DAVID HARTLEY</u> ACREAGE <u>42.56</u> OIL & GAS ROYALTY OWNER <u>DAVID HARTLEY</u> LEASE ACREAGE <u>42.56</u>	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> 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 <u>BENSON</u> WELL OPERATOR <u>OHIO FEM CO, INC</u> ESTIMATED DEPTH <u>5900'</u> ADDRESS <u>P.O. BOX 180</u> DESIGNATED AGENT <u>JEFF SAYGER</u> <u>KENQ, OHIO 45773</u> ADDRESS <u>16 FOX HILL TERRACE</u> <u>PARKERSBURG, WV</u>		COUNTY NAME <u>TYLER</u> PERMIT <u>1714</u>	

6-6 86

SEP 28 2001

FORM WV-8

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

Reviewed AEF

Well Operator's Report of Well Work

Farm name: Hartley Operator Well No.: #7

LOCATION: Elevation: 1122' Quadrangle: Pennsboro

District: Meade County: Tyler

Latitude: 4220' Feet South of 39 Deg. 22 Min. 30 Sec.

Longitude 5620' Feet West of 80 Deg. 57 Min. 30 Sec.

Company:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Ohio L&M Co. Inc.				
Address: 4150 Belden Village AV. NW Suite 410 Canton, OH 44713	16"	40'	40'	N/A
Agent: Jeff Sayger				
Inspector: Mike Underwood	11-3/4"		177'	80 Sks. Class
Date Permit Issued: 9/24/01				
Date Well Work Commenced: 12/15/01	8-5/8"		1289.25	297 Sks
Date Well Work Completed: 12/22/01				
Verbal Plugging:	4-1/2"		5114	312 CF
Date Permission granted on:				
Rotary X Cable Rig	1-1/2"		5019.30'	N/A
Total Depth (feet): 5172'				
Fresh Water Depth (ft.): 30-145'				
Salt Water Depth (ft.): 1237'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): N/A				

**RECEIVED**  
 Office of Oil & Gas  
 Permitting  
  
**JUN 07 2002**  
  
 WV Department of  
 Environmental Protection

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5012-5020  
 Gas: Initial open flow 100.0 MCF/d Oil: Initial open flow 0.0 Bbl/d  
 Final open flow 70.0 MCF/d Final open flow 0.0 Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure 950 psig (surface pressure) after 24 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: \_\_\_\_\_  
By: Martin L. Miller  
Date: March 6, 2002

JUN 14 2002

**COPY**

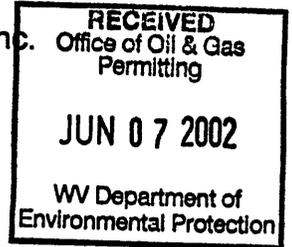
HARTLEY #7

Page 2

30' Sandstone	2880'	- 1748
Gordon Sandstone	2996'	- 1864
4 <sup>th</sup> Sandstone	3072'	- 1940
5 <sup>th</sup> Sandstone	3150'	- 2018
Warren Sandstone	3565'	- 2433
Speechley Sandstone	3958'	- 2826
Balltown Sandstone	4046'	- 2914
Bradford Sandstone	4640'	- 3508
Riley Sandstone	4819'	- 3687
Benson Sandstone	5012'	- 3880

**STRUCTURAL COMPARISON:**

	Ohio L&M Co., Inc. Hartley #7	Ohio L&M Co., Inc. Hartley #4
Benson Sandstone	- 3880	- 3892



**GEOLOGY:**

Sample analysis indicated very good sandstone development in the Benson, with fair development in the Riley, Gordon and Weir. A good show of gas and fair hydrocarbon fluorescence were encountered in the Benson.

Based upon the open hole logs, the Benson Sandstone at 5012 to 5021' appears to be well developed with good gas saturations. The Riley, Gordon and Weir showed fair development.

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

Respectfully submitted,

*Douglas L. Core*

NATIONAL MINERALS CORPORATION  
By: Douglas L. Core, President

December 29, 2001.

JUN 14 2002

**COPY**

WELL: Ohio L & M Co., Inc.#7 Hartley.

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1714.

ELEVATION: 1122' Ground 1132' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 11 3/4" @ 177' with 80 sacks 8 5/8" @ 1289' with 297 sacks.

TOTAL DEPTH: 5165' Driller 5172' Logger.

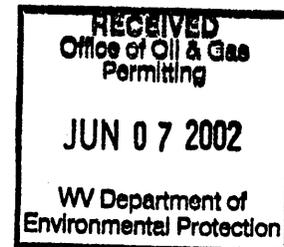
CONTRACTOR: Nexus Drilling, Inc..

TOOLS: Rotary.

SPUD DATE: 12/15/2001.

COMPLETED DRILLING: 12/22/2001.

FORMATION AT TOTAL DEPTH: Devonian shale.



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

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

FORMATION TOPS:	2 <sup>nd</sup> Cow Run Sandstone	1358'	- 226
	Gas Sand	1522'	- 390
	1st Salt Sand	1614'	- 482
	2nd Salt Sand	1672'	- 540
	3rd Salt Sand	1810'	- 678
	Maxon Sandstone	1910'	- 778
	Big Lime (Greenbrier)	1984'	- 852
	Big Injun Sandstone	2076'	- 944
	Squaw Sandstone	2202'	- 1070
	Weir Sandstone	2438'	- 1306
	Berea Sandstone	2708'	- 1576
	Gantz Sandstone	2797'	- 1665

JUN 14 2002