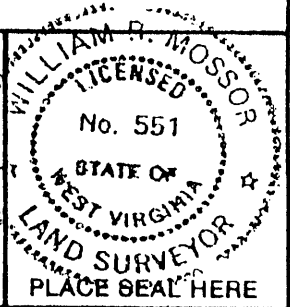


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE $1" = 500'$
 MINIMUM DEGREE OF ACCURACY $1:200$
 PROVEN SOURCE OF ELEVATION ROAD INTER.
ELEV. 772

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.
 (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-2
 API WELL NO. 47-095-01697

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

LOCATION: ELEVATION 095 WATER SHED BRUSH COUNTY TYLER
 DISTRICT MEADE

QUADRANGLE ELLENBORO

SURFACE OWNER DAVID HARTLEY ACREAGE 101 3/8
 OIL & GAS ROYALTY OWNER DAVID HARTLEY LEASE ACREAGE 101 3/8
 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) 6-6 86

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, WY 26101

COUNTY NAME TYLER
 PERMIT 1697

Reviewed MB

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

Well Operator's Report of Well Work

Farm name: David Hartley Operator Well No.: #2

LOCATION: Elevation: 895' Quadrangle: Ellenboro

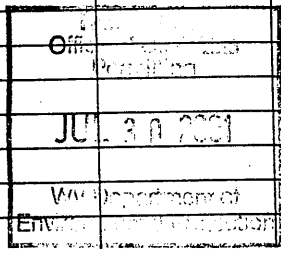
District: Meade County: Tyler

Latitude: 4500 Feet South of 39 Deg. 22 Min. 30 Sec.

Longitude 180 Feet West of 81 Deg. 00 Min. 0 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>179'</u>	<u>100 Sk.</u>
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>10-5-00</u>	<u>8-5/8"</u>		<u>1168'</u>	<u>275 Sk.</u>
Date Well Work Commenced: <u>12-26-00</u>				
Date Well Work Completed: <u>1-16-01</u>	<u>4-1/2"</u>		<u>5174'</u>	<u>275 Sk.</u>
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): <u>5235</u>				
Fresh Water Depth (ft.): <u>451</u>				
Salt Water Depth (ft.): <u>604</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) 4808-4814
 Gas: Initial open flow Show MCF/d Oil: Initial open flow 0.0 Bbl/d
 Final open flow 70 MCF/d Final open flow 0.0 Bbl/d After Frac
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 1250 psig (surface pressure) after 16 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. 31, 2001

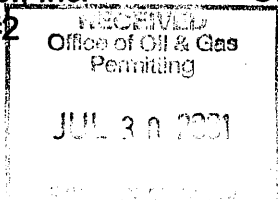
AUG 03 2001
AUG 03 2001

TYL 1697

Weir Sandstone	2256'	- 1351
Berea Sandstone	2501'	- 1596
Gantz Sandstone	2606'	- 1701
30' Sandstone	2680'	- 1775
Gordon Sandstone	2794'	- 1889
4 th Sandstone	2868'	- 1963
5 th Sandstone	2950'	- 2045
Warren Sandstone	3383'	- 2478
Speechley Sandstone	3736'	- 2831
Balltown Sandstone	3896'	- 2991
Bradford Sandstone	4250'	- 3345
Riley Sandstone	4623'	- 3718
Benson Sandstone	4804'	- 3899
Alexander Sandstone	5094'	- 4189

STRUCTURAL COMPARISON:

	Ohio L&M Co., Inc.		Ohio L&M Co., Inc.
	Hartley #2		Hartley #1
Benson Sandstone	- 3899		- 3880



GEOLOGY:

Sample analysis indicated very good sandstone development in the Benson, with fair development in the Weir, Gantz, Gordon and Bradford. A very good show of gas was encountered in the Benson. Small shows of gas were noted in the Big Injun (1920'), Gantz (2620'), Gordon (2799') and Bradford (4255'). A small show of oil and gas was reported in the Big Lime (1851'). Fair hydrocarbon fluorescence was noted in the Big Lime. Good hydrocarbon fluorescence was recorded in the Weir.

Based upon the open hole logs, the Benson Sandstone at 4808 to 4816' appears to be well developed with good gas saturations. The Big Injun, Gantz, Gordon and Warren showed fair development.

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

Respectfully submitted,

NATIONAL MINERALS CORPORATION
By: Douglas L. Core, President

January 9, 2001.

AUG 03 2001

TYL
1697

COPY

WELL: Ohio L & M Co., Inc.#2 Hartley.

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1697.

ELEVATION: 895' Ground 905' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 11 3/4" @ 179' 8 5/8" @ 1168'.

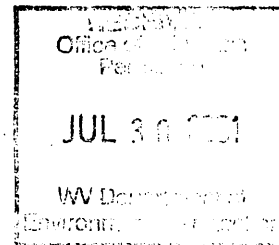
TOTAL DEPTH: 5244' Driller 5235' Logger.

CONTRACTOR: Nexus Drilling Co..

TOOLS: Rotary.

SPUD DATE: 12/26/2000.

COMPLETED DRILLING: 1/7/2001.



FORMATION AT TOTAL DEPTH: Devonian shale.

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

SHOWS: A very good show of gas was encountered in the Benson Sandstone (4812'). Small shows of gas were noted in the Big Injun (1920'), Gantz (2620'), Gordon (2799') and Bradford (4255'). A small show of oil and gas was reported in the Big Lime (1851'). Fair hydrocarbon fluorescence was noted in the Big Lime. Good hydrocarbon fluorescence was recorded in the Weir. 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	1197'	- 292
	Gas Sand	1362'	- 457
	1st Salt Sand	1406'	- 501
	2nd Salt Sand	1515'	- 610
	3rd Salt Sand	1616'	- 711
	Maxon Sandstone	Absent	
	Little Lime	1746'	- 841
	Big Lime (Greenbrier)	1772'	- 867
	Big Injun Sandstone	1874'	- 969
	Squaw Sandstone	1986'	- 1081

JUL 30 2001