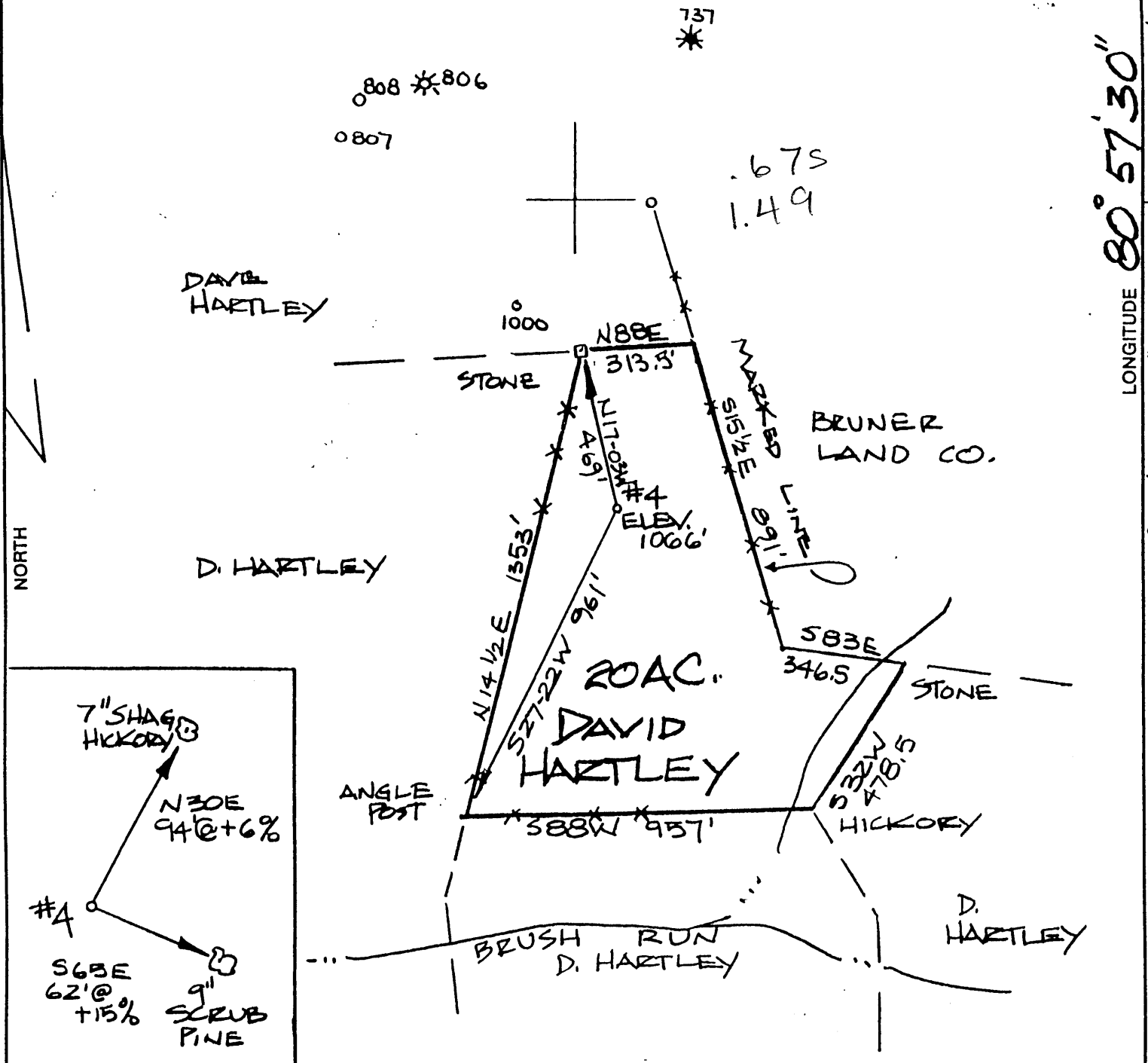


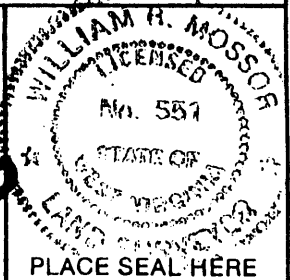
LONG. 80° 59' 09.78" 7840' LATITUDE 39° 22' 30"



(+) 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 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 REGULATIONS ISSUED AND ENFORCED BY THE DEPARTMENT OF ENERGY.
 (SIGNATURE) *[Signature]*
 R.P.E. _____ L.L.S. 501



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



DATE 5 DECEMBER # 2000
 OPERATOR'S WELL NO. HARTLEY #4
 API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1066' WATERSHED BRUSH RUN

DISTRICT MEADE COUNTY TYLER
 QUADRANGLE PENNSBORO
 SURFACE OWNER DAVID HARTLEY ACREAGE 20
 OIL & GAS ROYALTY OWNER DAVID HARTLEY LEASE ACREAGE 20
 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 5500'
 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

LONGITUDE 80° 57' 30" 3510'
 LAT. 39° 21' 55.44" 1704

6-6 86

Reviewed *MJ*

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

Well Operator's Report of Well Work

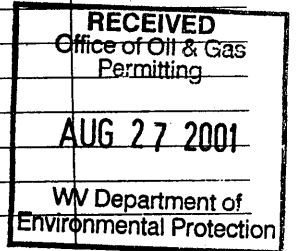
Farm name: Hartley Operator Well No.: #4

LOCATION: Elevation: 1066 Quadrangle: Pennsboro

District: Meade County: Tyler
Latitude: 3510 Feet South of 39 Deg. 21 Min. 55.44 Sec.
Longitude 7840 Feet West of 80 Deg. 59' Min. 09.78 Sec.

Company: Ohio L&M Company Inc.

4150 Belden Village Ave. NW Suite 410 Address: Canton, OH	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
	16"	20'	0'	N/A
Agent: <u>Jeff Sayger</u>	11"		172'	118 Cuft. Class A
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>1-2-01</u>	8-5/8"		1203'	455 Cuft.
Date Well Work Commenced: <u>1-16-01</u>				
Date Well Work Completed: <u>1-24-01</u>	4-1/2"		5080'	649 Cuft.
Verbal Plugging:				
Date Permission granted on:	1-1/2"		4951'	N/A
Rotary X Cable Rig				
Total Depth (feet): <u>5141'</u>				
Fresh Water Depth (ft.): <u>135'</u>				
Salt Water Depth (ft.): <u>1798'</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) 4970-4978
 Gas: Initial open flow Show MCF/d Oil: Initial open flow -- Bbl/d
 Final open flow 100 MCF/d Final open flow -- Bbl/d *After Frac
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 1450 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: *Martin L. Miller*
By: Martin L. Miller
Date: _____

AUG 31 2001

TYL 1704

Completion:

Perforated Benson Sand From 4970'-4973' with 32 Shots

Spot 500 Gals. 15% HCL Acid- Break 1439#

Treat Well With 760 Bbls. Slick Water - N2 Assist - 59,800#
20/40 Sand

Rate - 31 BPM - Avg. Treat Pressure - 2671#
ISIP - 1597 5 Min - 1028

COPY

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

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1704.

ELEVATION: 1066' Ground 1076' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 16" @ 20' 11" @ 172' 8 5/8" @ 1203'.

TOTAL DEPTH: 5141' Driller 5120' Logger.

CONTRACTOR: Nexus Drilling Co..

TOOLS: Rotary.

SPUD DATE: 1/16/2001.

COMPLETED DRILLING: 1/24/2001.

FORMATION AT TOTAL DEPTH: Devonian shale.

ELECTRICAL SURVEYS: Gamma Ray- Neutron- Compensated Density- Caliper- Induction- Noise- 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 nd Cow Run Sandstone	1318'	- 242
	Gas Sand	1475'	- 399
	1st Salt Sand	1572'	- 496
	2nd Salt Sand	1625'	- 549
	3rd Salt Sand	1754'	- 678
	Maxon Sandstone	1860'	- 784
	Little Lime	1908'	- 832
	Big Lime (Greenbrier)	1934'	- 858
	Big Injun Sandstone	2028'	- 952
	Squaw Sandstone	2196'	- 1120
	Weir Sandstone	2402'	- 1326
	Berea Sandstone	2665'	- 1589
	Gantz Sandstone	2752'	- 1676

<p>RECEIVED Office of Oil & Gas Permitting</p> <p>AUG 27 2001</p> <p>WV Department of Environmental Protection</p>
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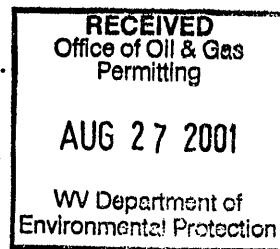
AUG 31 2001

TYL 1704

30' Sandstone	2837'	- 1761
Gordon Sandstone	2952'	- 1876
4 th Sandstone	3028'	- 1952
5 th Sandstone	3108'	- 2032
Warren Sandstone	3530'	- 2454
Speechley Sandstone	3890'	- 2814
Balltown Sandstone	4000'	- 2924
Bradford Sandstone	4594'	- 3518
Riley Sandstone	4782'	- 3706
Benson Sandstone	4968'	- 3892

STRUCTURAL COMPARISON:

	Ohio L&M Co., Inc.	Ohio L&M Co., Inc.
	Hartley #4	Hartley #1
Benson Sandstone	- 3892	- 3880



GEOLOGY:

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

Based upon the open hole logs, the Benson Sandstone at 4968 to 4978' appears to be well developed with good gas saturations. The Gordon and Weir showed fair development.

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

Respectfully submitted,

NATIONAL MINERALS CORPORATION
By: Douglas L. Core, President

February 12, 2001.