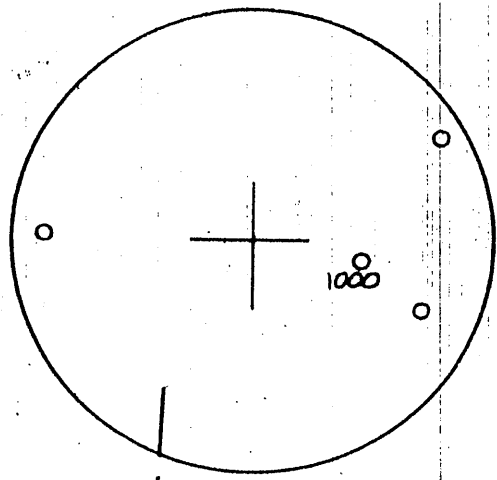


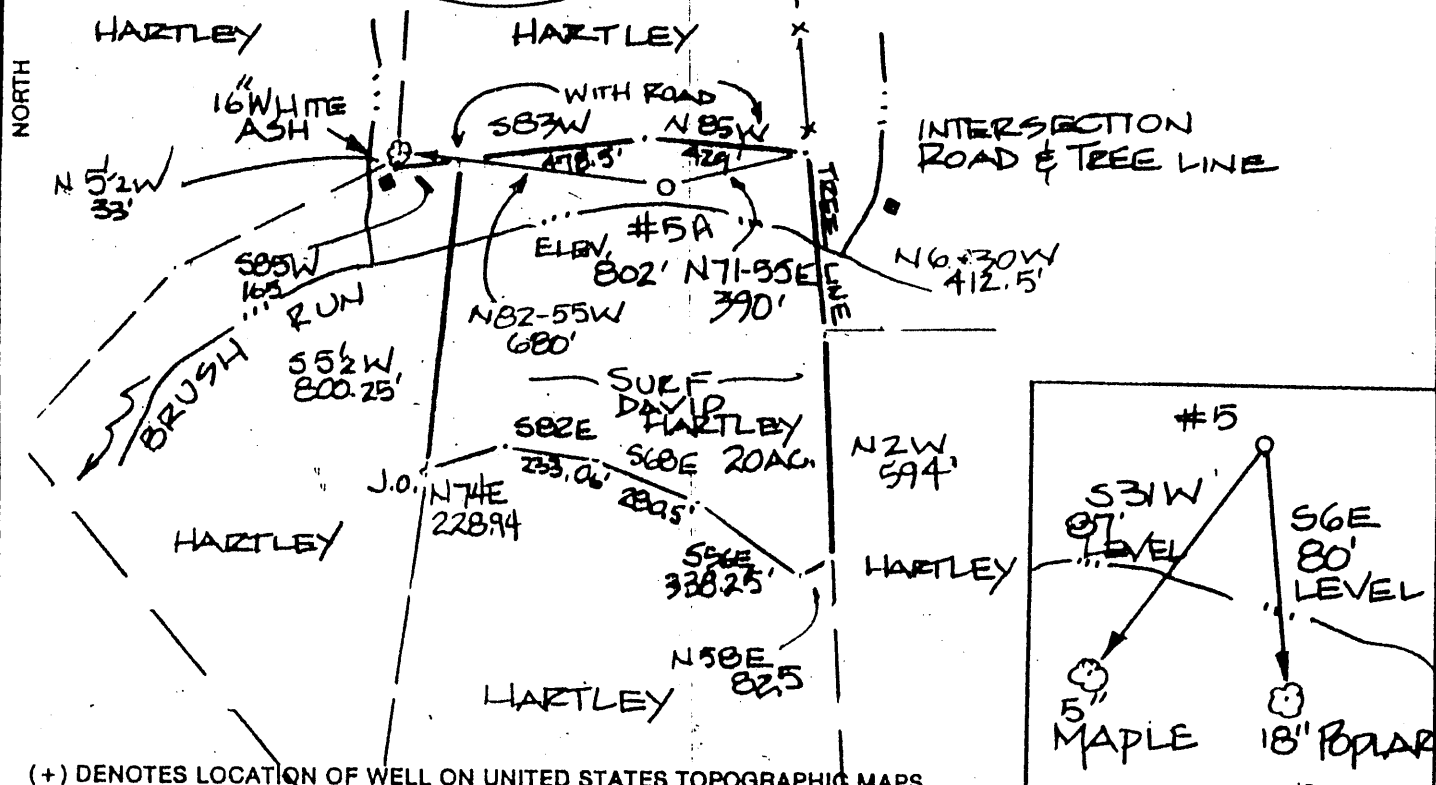
9780'

LATITUDE 39°22'30"

LONGITUDE 80°57'30"
4640'



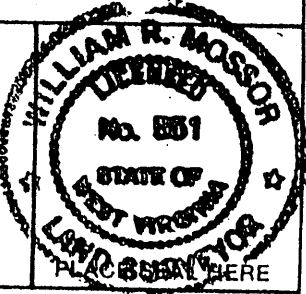
DAVID HARTLEY
20 ACRE
LEASE



(+) 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 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 DESCRIBED BY THE DEPARTMENT OF ENERGY AND NATURAL RESOURCES (SIGNATURE) _____ P.S. 551



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



DATE 8 JUNE 20 21
OPERATOR'S WELL NO. 5-A
API WELL NO. 47 095 01731

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 802 WATER SHED BRUSH RUN
DISTRICT MEADE COUNTY TYLER
QUADRANGLE PENNSBORO
SURFACE OWNER DAVID HARTLEY ACREAGE 20
OIL & GAS ROYALTY OWNER DAVID HARTLEY LEASE ACREAGE 20
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

COUNTY NAME TYLER
PERMIT 1731

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BENSON ESTIMATED DEPTH 5900
WELL OPERATOR OHIO LEM CO., INC. DESIGNATED AGENT JEFF SAYGER
ADDRESS P.O. BOX 80 RENO, OHIO 45773 ADDRESS 16 FOX HILL TERRACE PARKERSBURG, WV 26101

FORM WW-8

SEP 06 2002

(SHILOH-WICK AREA FIELD)

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

AP

Well Operator's Report of Well Work

Farm name: Hartley Operator Well No.: 5A

LOCATION: Elevation: 802 Quadrangle: Pennsboro

District: Meade County: Tyler
Latitude: 4640' Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 9780' 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>177'</u>	<u>80 Sk. Class</u>
Inspector: <u>Mike Underwood</u>				
Date Permit Issued: <u>9-4-02</u>	<u>8-5/8"</u>		<u>968.30</u>	<u>250 Sk.</u>
Date Well Work Commenced: <u>11-2-02</u>				
Date Well Work Completed:	<u>4-1/2"</u>		<u>4775.54</u>	<u>655 Cuft.</u>
Verbal Plugging:				
Date Permission granted on:	<u>1-1/2"</u>		<u>4720'</u>	<u>N/A</u>
Rotary X Cable Rig				
Total Depth (feet): <u>4856</u>				
Fresh Water Depth (ft.): <u>None</u>				
<u>Dusted</u>				
Salt Water Depth (ft.): <u>1793</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None Found</u>				

RECEIVED
Office of Oil & Gas
Permitting
MAR 13 2003
WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4720-4730'
 Gas: Initial open flow NA MCF/d Oil: Initial open flow NA Bbl/d
 *After Frac Final open flow 70 MCF/d Final open flow 0.0 Bbl/d
 Time of open flow between initial and final tests N/A Hours
 Static rock Pressure 1200 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: 2-25-03

MAR 21 2003

712 1731

Stimulation/Completion

24 Shots Benson Sand From 4720 - 4730'

Frac Well With 760 BBL. Slick Water/ 600 Sacks 20/40 Sand

COPY

WELL: Ohio L & M Co., Inc.#5-A Hartley.

LOCATION: Meade District, Tyler County, West Virginia.

PERMIT NUMBER: Tyler-1731.

ELEVATION: 802' Ground 812' KB.

STATUS: Preparing to complete as a gas producer.

CASING: 8 5/8" @ 968'.

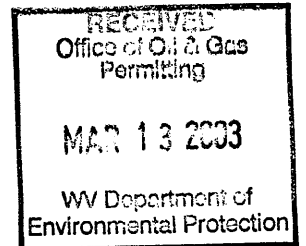
TOTAL DEPTH: 4856' Driller 4825' Logger.

CONTRACTOR: Nexus Drilling, Inc..

TOOLS: Rotary.

COMPLETED DRILLING: 11/2/2002.

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:		depth (from KB)	depth below sea level (from KB)
	2 nd Cow Run Sandstone	1095'	- 283
	Gas Sand	1162'	- 350
	1st Salt Sand	1332'	- 520
	2nd Salt Sand	1436'	- 624
	3rd Salt Sand	1536'	- 724
	Maxon Sandstone	1632'	- 820
	Big Lime (Greenbrier)	1690'	- 878
	Big Injun Sandstone	1783'	- 971
	Squaw Sandstone	1940'	- 1128
	Weir Sandstone	2181'	- 1369
	Berea Sandstone	2414'	- 1602
	Gantz Sandstone	2505'	- 1693

Tops
only

TYL
1731

HARTLEY #5-A

Page 2

30' Sandstone	2587'	- 1775
Gordon Sandstone	2703'	- 1891
4 th Sandstone	2766'	- 1954
5 th Sandstone	2858'	- 2046
Warren Sandstone	3286'	- 2474
Speechley Sandstone	3680'	- 2868
Balltown Sandstone	3762'	- 2950
Bradford Sandstone	4340'	- 3528
Riley Sandstone	4534'	- 3722
Benson Sandstone	4718'	- 3906

STRUCTURAL COMPARISON:

	Ohio L&M Co., Inc.	Ohio L&M Co., Inc.
	Hartley #5-A	Hartley #4
Benson Sandstone	- 3906	- 3892

GEOLOGY:

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

Based upon the open hole logs, the Benson Sandstone at 4718 to 4730' appears to be well developed with good gas saturations. The Gordon and Weir showed fair development.

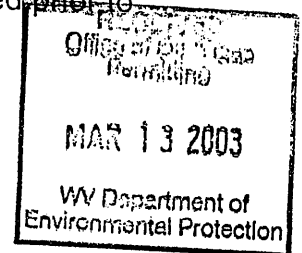
The Benson Sandstone should be very good producer of gas in this well. A completion attempt on the Gordon and Weir would also be warranted prior to abandonment.

Respectfully submitted,

Douglas L. Core

NATIONAL MINERALS CORPORATION

By: Douglas L. Core, President



December 6, 2002