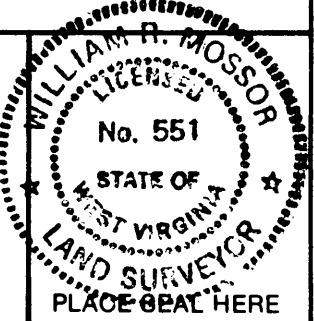


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 300'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD ELEV. 1144' 1600' S.E. OF LOCATION

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) William R. Mossor
 R.P.E. _____ L.L.S. 551



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

DATE MAY 31ST, 19 95
 OPERATOR'S WELL NO. BARRETT
 API WELL NO. LAUGHLIN #1
47 - 103 - 0/680
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1093' WATERSHED MILLER RUN
 DISTRICT CENTER COUNTY WETZEL
 QUADRANGLE LITTLETON 815

SURFACE OWNER BRET ROWLAND & TRINA ROWLAND ACREAGE 93.48
 OIL & GAS ROYALTY OWNER BARRETT/LAUGHLIN LEASE ACREAGE 96.51
 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) London - London Shaly - 4th - 5th.

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BENSON ESTIMATED DEPTH 5500' 3500' AUG 9 1995
 WELL OPERATOR OHIO LEM CO, INC DESIGNATED AGENT JACK LUTZ
 ADDRESS 4150 BELDEN VILLAGE AVE NW ADDRESS P.O. BOX 3233
CANTON, OHIO 44718 626 SUITE 410 6-6 43 HARLESTON, WV 25332

COUNTY NAME _____
 PERMIT _____

RECEIVED
WV Division of
Environmental Protection

AUG 18 1995

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: ROWLAND, BRETT & TRINIA Operator Well No.: BARET/LAUGLIN#1

LOCATION: Elevation: 1,093.00 Quadrangle: LITTLETON

District: CENTER County: WETZEL
Latitude: 5600 Feet South of 39 Deg. 40Min. 0 Sec.
Longitude 2100 Feet West of 80 Deg. 35 Min. 0 Sec.

Company: OHIO L & M COMPANY, INC.
4150 BELDEN VILLAGE AV. STE410
CANTON, OH 44718-0000

Agent: PEGGY COFFMAN

Inspector: RANDAL MICK
Permit Issued: 06/07/95
Well work Commenced: 06/28/95
Well work Completed: 08/10/95

Verbal Plugging
Permission granted on: _____

Rotary Cable _____ Rig

Total Depth (feet) 3110'

Fresh water depths (ft) 0 - 37'

Salt water depths (ft) 1716 - 1746

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 393-399 839-841
Pittsburgh 926-941

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	20'		N/A
11 3/4"	303.35'	303.35'	177'
8 5/8"	1410.0'	1410.0'	346'
4 1/2"	3075.40'	3075.40'	293.6'
1 1/2"	3049'	3049'	

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2972-3033
Gas: Initial open flow 15.0 MCF/d Oil: Initial open flow 0.0 Bbl/d
Final open flow 15.0 MCF/d Final open flow 0.0 Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 675 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.

For: OHIO L & M COMPANY, INC.
By: Martin L. Miller, Vice President of
Date: 8-14-95 Operations

1. Perforated Intervals: 2989-3032' K.B. 26 shots
 Reperforated 3027-3031' K.B. 8 shots
 N₂ Foam Frac 31,500 lbs. of sand - refraced with 21,000 gallons,
 20 lbs. gel, 25,000 lbs. sand, N₂ assist

2. Well Log	<u>Tops</u>
Pittsburg coal- - - - -	- 932'
Dundard Sandstone - - - - -	-1406'
Gas Sand- - - - -	-1550'
1st Salt Sand - - - - -	-1679'
2nd Salt Sand - - - - -	-1749'
3rd Salt Sand - - - - -	-1908'
Little Lime - - - - -	-2080'
Big Lime- - - - -	-2120'
Injun Sandstone - - - - -	-2196'
Berea Sandstone - - - - -	-2534'
Gantz Sandstone - - - - -	-2740'
30' Sandstone - - - - -	-2896'
Gordon Stray Sandstone- - - - -	-2973'
Gordon Sandstone- - - - -	-3000'

JUN 01 1995

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

103 1686

Permitting WELL WORK PERMIT APPLICATION

Office of Oil & Gas

Well Operator: ²²⁰ Ohio L&M Co., Inc. 35425 (1) 438

20646

Operator's Well Number: Barrett/Laughlin #1 3) Elevation:

Well type: (a) Oil x/ or Gas x/

Issued 08/02/95

(b) If Gas: Production / Undergound Storage
Deep / Shallow

Expires 08/02/97

422

Proposed Target Formation(s): Gordon-Gordon Stray - 4th - 5th

6) Proposed Total Depth: 3500 feet

7) Approximate fresh water strata depths: 300'

8) Approximate salt water depths: 1620'-2480'

9) Approximate coal seam depths: 900'-1000'

10) Does land contain coal seams tributary to active mine? Yes / No x/

11) Proposed Well Work: Drill New Well - Stimulate

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11"			40'		N/A
Fresh Water	8 5/8"	J-55	23.0#		1150'	CTS
Coal						
Intermediate						
Production	4 1/2"	J-55	10.5#		3450'	By Rule 38 CSR 18-11
Tubing	1 1/2"	J-55	2.75#		3400'	N/A
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

4547
29

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-28 Bond Agent

Blanket Surety
Bond # 16-0130-11120-015-14

RECEIVED
WV Division of
Environmental Protection

Page 1 of _____
Form WW2-A
(09/87)

0 1 1995
Permitting
Office of Oil & Gas

1) Date: May 19, 1995
2) Operator's well number
Barrett/Laughlin #1
3) API Well No: 47 - 103 - 1686
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Brett & Trinia Rowland
Address 4304 Crestgate Avenue
Midland, Texas 79707
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Randall Mick
Address _____
Telephone (304)- 986-3324

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
 Personal Service (Affidavit attached)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

INSTRUCTIONS TO SURFACE OWNERS NAMED ABOVE
(Continued on Reverse)

The well operator named below is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B of the West Virginia Code. Well work permits are valid for 24 months.

Well Operator Ohio L & M Co., Inc.
By: John W. Miller
Its: John W. Miller, President
Address 4150 Belden Village Avenue NW Ste 410
Canton, Ohio 44718-2553
Telephone 216-493-0440

Subscribed and sworn before me this 19th day of May, 1995
Dora K. Silvio Notary Public
My commission expires October 17, 1995