



FILE NO. MB 1-9
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INT.
ELEV. 631'

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 MINES.

(SIGNED) William H. Moss
 R.P.E. _____ L.L.S. 551



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

FORM IV-6 (8-78)

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE 9 SEPTEMBER, 19 85
 OPERATOR'S WELL NO. 3
 API WELL NO. 47-095-1122
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 664' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT UNION 6 COUNTY TYLER
 QUADRANGLE BENS RUN-241 116 NE3 St. Marys

SURFACE OWNER GLADIS BONNER ESTATE ACREAGE 50
 OIL & GAS ROYALTY OWNER GLADIS BONNER ESTATE LEASE ACREAGE 50
 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 MARCELLUS ESTIMATED DEPTH 5990'
 WELL OPERATOR ROBERT J. LEMON DESIGNATED AGENT KAREN SAYER
 ADDRESS 469 N. ORANGE AVE. 528 ADDRESS 4 1/2 STREET
ORLANDO, FLORIDA 32801 WILLIAMSTOWN, W.VA. 26187

NOV 12 1985

STEPHENS BLUEPRINT

1011. Hi-west Patn. 6-6 Shiloh-Wick (86)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

None

✓ Completed Natural

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	35	
Sand			35	90	Fresh Water
Shale			90	110	
Lime			110	135	
Shale			135	180	
Slate			180	215	
Shale			215	300	
Lime			300	317	
Sand-Gray			317	355	Sulfur Water
Shale			355	375	
White Shale			375	420	
Lime			420	460	
Shale			460	510	
Red Shale			510	592	
White Shale			592	610	
Red Shale			610	685	
Sand			685	702	
Shale			702	800	
Lime			800	850	
Shale & Lime			850	906	7" Casing ran to 906'
Shale			906	968	
Shale & Lime			968	1032	
Sand			1032	1065	
Lime			1065	1076	
Shale			1076	1080	
Lime			1080	1105	
Sand & Lime			1105	1143	
Lime			1143	1186	
Shale & Lime			1186	1222	
Shale			1222	1270	
Lime			1270	1300	
Shale			1300	1355	
Shale & Lime			1355	1399	
Sand			1399	1444	
Lime			1444	1530	
Sand			1530	1560	Keener - Gas & Oil
Shale			1560	1578	

T.D.

(Attach separate sheets as necessary)

HI - WEST PETROLEUM EXPLORATION
Well Operator

By: [Signature]
Date: SEPT. 15, 1986

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



1) Date: October 3, 1985
 2) Operator's Well No. Bonner #3
 3) API Well No. 47 095 -1122
 State County Permit

RECEIVED
 OCT 22 1985

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

- 4) WELL TYPE: Oil XX / Gas XX
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 664' Watershed: Middle Island Creek
 District: Union County: Tyler Quadrangle: Bens Run
- 6) WELL OPERATOR Robert J. Lemon CODE: 27805 7) DESIGNATED AGENT Karen Sayer
 Address Hi-West Petro-Exploration Address 4 1/2 Street
469 N. Orange Avenue, Orlando, FL 32801 Williamstown, West Vir. 26187
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert A. Lother
 Address General Delivery
Middlebourne, West Virginia 26149
- 9) DRILLING CONTRACTOR: Name Gerald W. Lauderman
 Address 101 E. Madison Street
Paden City, West Virginia 26159
- 10) PROPOSED WELL WORK: Drill XX / Drill deeper _____ / Redrill _____ / Stimulate XX /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Ohio Shale 441
- 12) Estimated depth of completed well, 5990' feet
 13) Approximate trata depths: Fresh, 800' feet; salt, 600' feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No XX /
- 15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	10 3/4"					350'		CTS Kinds NEAT
Fresh water								
Coal								Sizes
Intermediate	7"					1500'		CTS
Production						5990'	5990'	450 sacks Depths set or as req. by rule 15.01
Tubing								Perforations: Top Bottom
Lin...								

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1122 Date October 31 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 31, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>ALD</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>2163</u> <u>2164</u>	WPCP: <u>MH</u>	S&E: <u>MH</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas
 File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.