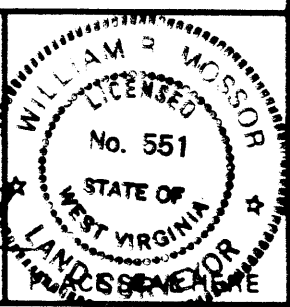


FILE NO. MB-4-5
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH PT. 1075' 3600' SW OF LOC.

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 R. Moessor
 R.P.E. _____ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1080' WATER SHED SUGAR CREEK
 DISTRICT LAFAYETTE 3 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 7 1/2' 241 116 EC6
 SURFACE OWNER WESTVACO ACREAGE 63
 OIL & GAS ROYALTY OWNER C.B. TICE LEASE ACREAGE 125
 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 BIG INJUN ESTIMATED DEPTH 2200'
 WELL OPERATOR AMERICAN PIPELINE DESIGNATED AGENT BERNARD TICE
 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, W.V. 26170 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, W.V. 26170



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 15 NOVEMBER, 19 85
 OPERATOR'S WELL NO. CAMPBELL #1
 API WELL NO. _____
47 - 073 - 1990
 STATE COUNTY PERMIT

DEC 23 1985

RECEIVED
MAY - 5 1986



WR-35

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 28, 1986
Operator's
Well No. Campbell #1
Farm Campbell
API No. 47 - 073 - 1990

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil XX / Gas XX / Liquid Injection / Waste Disposal /
(If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 1080' Watershed Sugar Creek
District: Lafayette County Pleasants Quadrangle Bens Run 7 1/2'

COMPANY American Pipeline & Exploration Company

ADDRESS 210 2nd St., St. Marys, WV 26170

DESIGNATED AGENT Bernard Tice

ADDRESS 210 2nd St., St. Marys, WV 26170

SURFACE OWNER Westvaco Corp.

ADDRESS Parkersburg, WV 26101

MINERAL RIGHTS OWNER Bernard Tice & Campbell Heirs

ADDRESS St. Marys, WV 26170

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED 12-13-85

DRILLING COMMENCED 12-15-85

DRILLING COMPLETED 12-17-85

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
CN

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	290	290	50 sks
5 1/2			
4 1/2	2215	2215	50 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 2245 feet

Depth of completed well 2240 feet Rotary XX / Cable Tools

Water strata depth: Fresh 65 feet; Salt N/A feet

Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2128 - 2142 feet

Gas: Initial open flow 0 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 0 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 48 hours

Static rock pressure 150 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

MAY 12 1986

(Continue on reverse side)

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

15 Perfs 2128' - 2142'

Fraced with 830 bbls. H2O, 20,000 lbs. 20/40 Sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale & Sandstone			0	200	freshwater
Red & Brown Shale			200	630	
Shale			630	1044	
Cow Run			1044	1046	
Lime			1892	1944	
Injun Sand Grk + #00			1944	2145	oil & gas
Shale			2145	<u>2240 TD</u>	

(Attach separate sheets as necessary)

American Pipeline & Exploration Company

Well Operator

By:

Bernard Jew

Date: April 28, 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."

RECEIVED
DEC - 5 1985



1) Date: Nov. 27, 19 85
 2) Operator's Well No. Campbell #1
 3) API Well No. 47-073-1990
 State County Permit

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XX / Gas XX /
 B (If "Gas", Production XX / Underground storage _____ / Deep _____ / Shallow XX /)
- 5) LOCATION: Elevation: 1080' Watershed: Sugar Creek
 District: Lafayette 442 County: Pleasants Quadrangle: Bens Run 7 1/2'
- 6) WELL OPERATOR American Pipeline CODE: 1775 7) DESIGNATED AGENT Bernard Tice
 Address & Exploration Company Address 210 2nd Street
210 2nd ST., St. Marys, WV 26170 St. Marys, WV 26170
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Robert Lowther Name Unknown
 Address Middlebourne, WV 26149 Address _____
- 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, Big Injun 371
 12) Estimated depth of completed well, 2500 feet
 13) Approximate trata depths: Fresh, 2230' 60 feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /
- 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	Left in well		
Conductor									
Fresh water	7"		17	X		300'	300'	to surface	Kinds <u>by rule 15.05</u>
Coal									Sizes
Intermediate									
Production	4 1/2"		9.5	X		2500'	2500'	1000' fill	Depths set
Tubing									
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1990 Date December 13 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 December 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>LB</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>425-</u>	WPCP: <u>MW</u>	S&E: <u>MW</u>	Other: <u>MW</u>
----------------	------------------	-----------------	-------------------	------------------	-----------------	----------------	------------------

NOTE: Keep one copy of this permit posted at the drilling location.

 Director, Division of Oil and Gas
 File

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