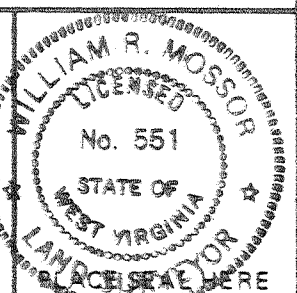
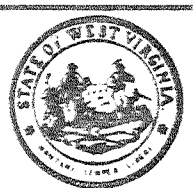


FILE NO. MB 2-3
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH PT. 1058' 900' NE OF LOC.

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE 2 NOVEMBER 19 85
 OPERATOR'S WELL NO. C.B. TICE #4
 API WELL NO. _____
47 - 073 - 1979
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS.") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1036' WATER SHED SUGAR CREEK
 DISTRICT LAFAYETTE 3 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 7 1/2 241 116 EC
 SURFACE OWNER C.B. TICE ACREAGE 129.1
 OIL & GAS ROYALTY OWNER C.B. TICE LEASE ACREAGE 148 1/2
 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 2500'
 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

NOV 25 1985

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

14 Perfs 2070' - 2088'

Fraced with 830 bbls. H2O, 19,950 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			0	90	fresh water
Red & Gray Shale			90	260	
Gray Shale			260	410	
Red Shale			410	550	
Gray & Red Shale			550	820	
Red Shale			820	1018	
Cow Run			1018	1052	
Big Injun			1824	1870	gas
Big Injun			1936	2088 TD	oil & gas

} GER. & PO

(Attach separate sheets as necessary)

American Pipeline & Exploration Company
Well Operator

By: 
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."

7/85

RECEIVED
NOV 14 1985



1) Date: Nov. 13, 1985
2) Operator's Well No. C.B. Tice #4
3) API Well No. 47 -073-1979
State _____ County _____ Permit _____

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

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 1036' Watershed: Sugar Creek
District: Lafayette 442 County: Pleasants Quadrangle: Bens Run 7 1/2'
- 6) WELL OPERATOR American Pipeline & Exploration Company CODE: 1775 7) DESIGNATED AGENT Bernard Tice
Address 210 2nd St., St. Marys, WV 26170 Address 210 2nd Street
St. Marys, WV 26170
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther 9) DRILLING CONTRACTOR: Name Unknown
Address Middlebourne, WV 26149 Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate /
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, 240' 60 feet; salt, N/A feet.
14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No

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 <i>by rule 15-05</i>
Coal									Sizes
Intermediate									
Production Tubing	4 1/2"		9.5	X		2500'	2500'	1000' fill	Identified <i>as required by rule 15-01</i>
Lin...									Perforations: Top _____ Bottom _____

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1979 Date November 14 1985

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 November 14, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>MW</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>266</u>	WPCP: <u>MW</u>	S&E: <u>MW</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