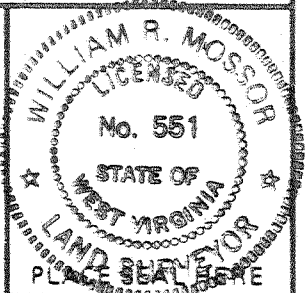


FILE NO. MBS-1
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HIGH PT. 1058' 1150' SE OF LOC.

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



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



DATE 19 NOVEMBER 19 85
 OPERATOR'S WELL NO. C.B. TICE #9
 API WELL NO. 47 - 073 - 1982
 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 978' WATER SHED SUGAR CREEK
 DISTRICT UNION 5 COUNTY PLEASANTS
 QUADRANGLE BENS RUN 7 1/2' 24 116 EC6
 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 DEC 2 1985
 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, WV 26170 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, WV 26170

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

14 Perfs 2026' - 2042'

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
Gray Shale			90	420	
Red & Gray Shale			420	615	
Gray Shale			615	820	
Red Shale			820	930	
Cow Run			930	952	
Maxon			1700	1738	oil & gas
Big Lime			1750	1836	
Big Injun			1890	2040	oil & gas
Shale			2040	<u>2100 TD</u>	

(Attach separate sheets as necessary)

American Pipeline & Exploration Company
Well Operator

By: Bernard L. Lee
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 ... encountered in the drilling of a well."

7/85



1) Date: Nov. 21, 1985
 2) Operator's Well No. C.B. Tice #9
 3) API Well No. 47-073-1982
 State _____ County _____ Permit _____

RECEIVED
 NOV 22 1985

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: 978' Watershed: Sugar Creek
 District: Union 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 Second Street
St. Marys, WV 26170
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther 9) DRILLING CONTRACTOR:
 Address Middlebourne, WV 26149 Name Unknown
 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 Injion 37'
 12) Estimated depth of completed well, 2500 feet
 13) Approximate strata depths: Fresh, 60 feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A 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	Left in well		
Conductor									
Fresh water	7"		17	X		300'	300'	to surface	Kind: <u>by rule 15.01</u>
Coal									Size _____
Intermediate									
Production	4 1/2"		9.5	X		2500'	2500'	1000' fill up	as required <u>by rule 15.01</u>
Tubing									Perforations: _____
Lin...									Top _____ Bottom _____

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-073-1982

November 22 1985
 Date

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 22, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>CB</u>	Plat: <u>MN/MN</u>	Casing	Fee: <u>332</u>	WPCP: <u>MN</u>	S&E: <u>MN</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.