



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION HG. PT. 1165'

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 F. Moss
 R.P.E. _____ L.L.S. 551



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



DATE 18 NOVEMBER, 1981
 OPERATOR'S WELL NO H-1299
 API WELL NO. _____
47 - 073 - 1390
 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 1086' WATER SHED LEFT FORK-FRENCH CREEK
 DISTRICT McKIM COUNTY PLEASANTS
 QUADRANGLE SCHULTZ 7 1/2 QUAD. St. Marys 15' C
 SURFACE OWNER VESTA MORGAN ACREAGE 34
 OIL & GAS ROYALTY OWNER MARY JANE EDDY, ET AL. LEASE ACREAGE 34
 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 SHALE ESTIMATED DEPTH 5400'
 WELL OPERATOR HAUGHT, INC. DESIGNATED AGENT WARREN HAUGHT
 ADDRESS SMITHVILLE, W.VA. 26178 ADDRESS SMITHVILLE, W.VA. 26178
66 St. Marys (77)

JAN - 8 1982



WR-35

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date Jan. 15, 1987
Operator's
Well No. Eddy 1299
Farm Eddy
API No. 47 - 073 - 1390

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: 1086' Watershed Left Fork of French Creek
District: McKim County Pleasants Quadrangle Schultz

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 Vesta Morgan

ADDRESS Rt. 2, St. Marys, WV 26170

MINERAL RIGHTS OWNER Mary Eddy, et al

ADDRESS Rt. 2, St. Marys, WV 26170

WELL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Middlebourne, WV 26149

PERMIT ISSUED 2-16-82

DRILLING COMMENCED 2-19-82

DRILLING COMPLETED 2-22-82

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

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	1200'	1200'	to surface
7			
5 1/2			
4 1/2	1504	1504	packer
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Squaw Depth 1900 feet

Depth of completed well 1804 feet Rotary XX / Cable Tools

Water strata depth: Fresh 60 feet; Salt N/A feet

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

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1816 - 1840 feet

Gas: Initial open flow 60 Mcf/d Oil: Initial open flow 12 Bbl/d

Final open flow 40 Mcf/d Final open flow 12 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 600 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

(Continue on reverse side)

JAN 26 1987

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

Natural - shot with 10 qrts. judamite

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fres and salt water, coal, oil and ga
Gray Shale			0	50	
Red Shale			50	130	water
Sandstone			130	170	
Red Shale			170	260	
Gray Shale			260	410	
Sand & Shale			410	570	
Gray Shale			570	701	
Sand & Shale			701	940	
Gray Shale			940	1020	
Red Rock			1020	1100	
Gray Shale			1100	1390	
Big Lime			1390	1470	
Sandstone			1470	1620	
Big Injun			1620	1840 TD ✓	

(Attach separate sheets as necessary)

American Pipeline & Exploration Company

Well Operator

By: Edward J. [Signature]

Date: Jan. 15, 1987

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."



STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1086' Watershed: Left Fork-French Creek
District: McKim County: Pleasants Quadrangle: Schultz, WV

WELL OPERATOR Haught, Inc.
Address Rt. 3 Box 14
Smithville, WV 26178

DESIGNATED AGENT Warren R. Haught
Address Smithville, WV 26178

OIL AND GAS
ROYALTY OWNER Mary Jane Eddy etals
Address Rt. 2 Box 88
St. Marys, WV 26170
Acreage 34

COAL OPERATOR None
Address _____

SURFACE OWNER Vesta Morgan
Address Rt. 2
St. Marys, WV 26170
Acreage 34

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME Columbia Gas Transmission Coro.
Address P. O. Box 1273
Charleston, WV 25325

NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Phillip L. Tracy
Address Rt. 23
Alma, WV 26320
Telephone 758-4573

RECEIVED

DEC 14 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Dec. 23 1980, to the undersigned well operator from Mary G. Eddy.

(If said deed, lease, or other contract has been recorded:)

Recorded on Feb. 6, 1981, in the office of the Clerk of County Commission of Pleasants County, West Virginia, in Deed Book 161 at page 230. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that an objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Department of Mines. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Haught, Inc.
Well Operator

By: Warren R. Haught

Its: President

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Haught, Inc.

Address Rt. 3 Box 14

Smithville, WV 26178

GEOLOGICAL TARGET FORMATION Devonian Shale (Hamilton)

Estimated depth of completed well 5005 feet. Rotary X / Cable tools /

Approximate water strata depths: Fresh, feet; salt, feet.

Approximate coal seam depths: None

Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh water	8 5/8	K-55	20#	X		1000	1000	Cement to	Surface
Coal									Sizes
Intermed.									
Production	4 1/2	J-55	10.5	X			5400 5000	500 450 Sacks	Depths set
Tubing								or as needed by	
Liners								rule 15.01	Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All conditions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling

This permit shall expire if operations have not commenced by 8-16-82

J. H. Huggins
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19 .

By:

Its: