



4.80 S
 1.29 W

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
 Minimum degree of accuracy is one part in 200

Signed William A. Prosser, L.L.S. # 116

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY AJAX PIPE LINE COMPANY
 ADDRESS P.O. BOX 6190 CHARLESTON, WEST VIRGINIA
 FARM W. H. LAWRENCE
 MAP _____ ACRES 88.25 LEASE NO. _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 931.4'
 QUADRANGLE CHARLESTON N.W.
 COUNTY KANAWHA DISTRICT UNION
 POINT OF PROVEN ELEVATION U.S.G.S. DATUM
INTERSECTION LINSTONE BRANCH ROAD WITH WOODWARD BRANCH ROAD - Elev. 695'
 FILE NO. _____ DRAWING NO. _____
 DATE NOVEMBER 14, 1975 SCALE 1" = 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **KAN-2727**
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 -- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

RECEIVED
JUN 15 1976

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Charleston, N.W.

Permit No. Kan. 2727

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Ajax Pipe Line Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 6190 Charleston, W.Va</u>				
Farm <u>W. H. Lawrence</u> Acres <u>88.25</u>	Size			
Location (waters) <u>Left Fork Kanawha Two Mile</u>	20-16			
Well No. <u>1</u> Elev. <u>931.4</u>	Cond.			
District <u>Union</u> County <u>Kanawha</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8 32#	234	234	Surface
<u>W. H. Lawrence</u>	8 5/8			
Address <u>Rt. 1 Box 126-B Charleston</u>	7 20#	2505	2505	200 Cu. ft.
Mineral rights are owned by <u>Same</u>	5 1/2			
Address _____	4 1/2			
Drilling Commenced <u>December 31, 1975</u>	3			
Drilling Completed <u>January 24, 1976</u>	2 4.60#	4290	4290	
Initial open flow <u>30,000 M</u> cu. ft. bbls.	Liners Used			
Final production <u>75,000</u> cu. ft. per day bbls.				
Well open _____ hrs. before test <u>450</u> RP.				

Well treatment details:

Attach copy of cementing record.

Shot 990' with 6600# 80% Gell

3250 - 4240

Coal was encountered at None Feet _____ Inches _____
Fresh water 110 Feet _____ Salt Water 1485 Feet _____
Producing Sand Brown Shale Depth 4240

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil			0	10		
Red Clay			10	90		
Soap Stone. Gray			90	200		
Red Rock			200	375		
Soap Stone. Gray			375	575		
Sand			575	600		
Red Rock			600	955		
Sand			955	1225		
Salt Sand			1225	1575		Show of Gas 1225
Sand, Slate			1575	1600		
Sand			1600	1840		
Big Lign.			1840	1960		
Big Injgn			1960	2010		
Sand, Slate			2010	2438		
Berea			2438	2451		
Chell			2451	2530		
Sand			2530	2800		
Gordon Sand			2800	2815	Gas	
Slate, Shale, Gray.			2815	3254		
<u>Brown Shale</u>			3254	4240	Gas	
Black Shale			4240	4245		
Shale			4245	4290	T.D.	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 20 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

Surface Owner W. H. LAWRENCE
Address RT 1 CHARLESTON W VA
Mineral Owner SAME
Address SAME
Coal Owner _____
Address _____
Coal Operator SOME
Address _____

DATE 11-19-75
Company AJAX PIPE LINE CORPORATION
Address P O BOX 6190 CHARLESTON W VA
Farm W. H. LAWRENCE Acres 88.23
Location (waters) LEFT FORK KANAWHA TWO MILE
Well No. 1 Elevation 931.4
District UNION County KANAWHA
Quadrangle CHARLESTON

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions 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 3-20-76

Robert L. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols
PH: 548-6993 ADDRESS Cleander
W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated JUNE 25 19 74 by W. H. LAWRENCE made to SEALE GAS CO. and recorded on the 12th day of JULY 19 74 in KANAWHA County, Book 191 Page 739

NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours, Ajax Pipeline Company
(Sign Name) by Ed H. [Signature], V.P.
Well Operator
P O BOX 6190
Street
CHARLESTON
City or Town
W VA
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

Kan-2727 PERMIT NUMBER
47-039

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME GERALD D. JONES DRILLING CO. NAME STEPHEN KELLY
 ADDRESS SPENCER W VA ADDRESS 225 CEDAR LAKE DR. RIFLEY W VA
 TELEPHONE 927-1330 TELEPHONE 372-3333
 ESTIMATED DEPTH OF COMPLETED WELL: 4250' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: BROWN SHALE
 TYPE OF WELL: OIL _____ GAS COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8 32" - H 40 R3	234	234	TO SURFACE
8 - 5/8			
7 30" - R33 R3	2488	2488	150 SACKS
5 1/2			
4 1/2			
3			Perf. Top
2	4200	4200	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 185 FEET SALT WATER 1150 FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title