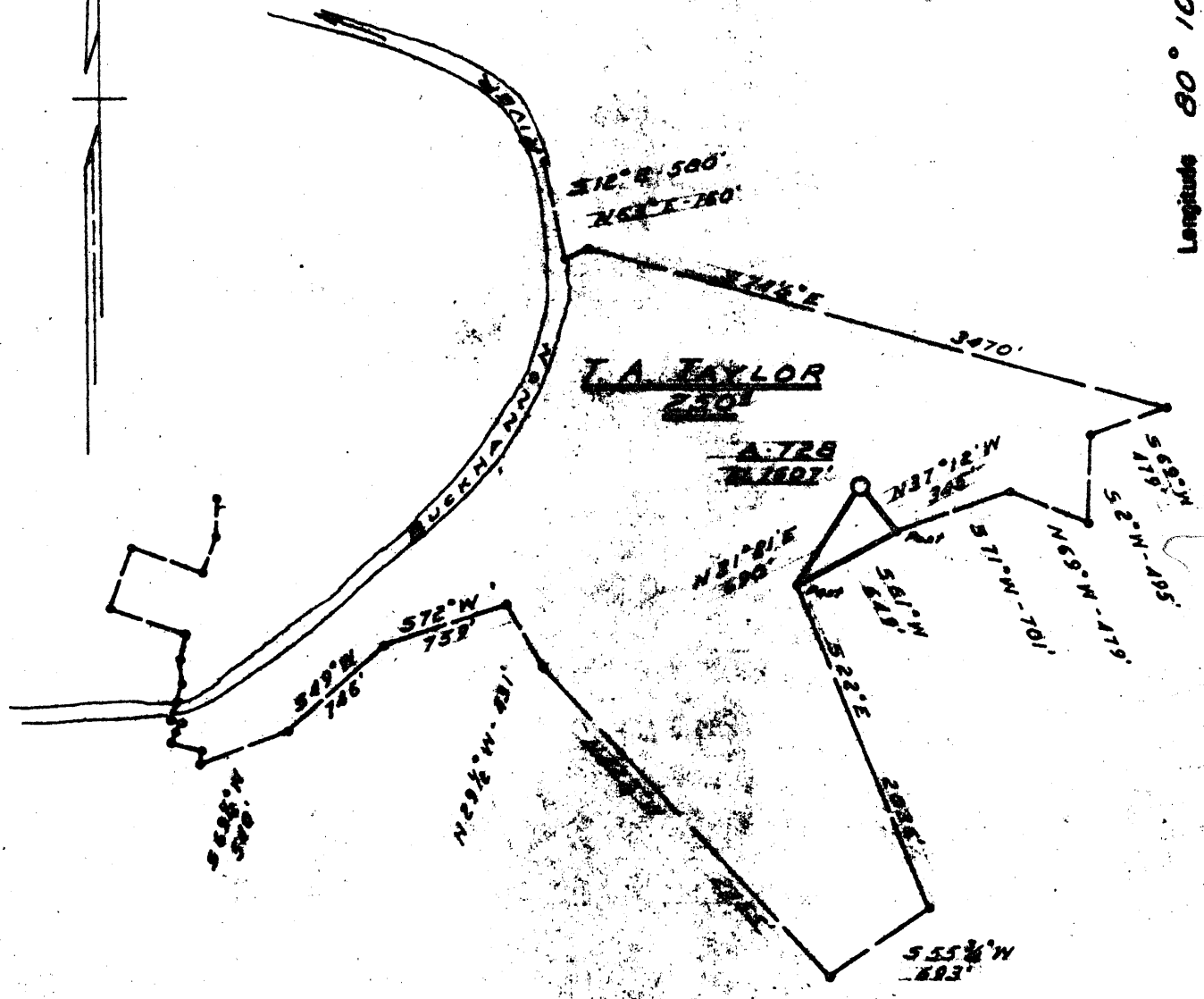




39° 00'
0.135
1.95W

38 55 55
80 12 10

Longitude 80° 10'



New Location
Drill Deeper
Abandonment

Minimum Error of Closure ONE PART IN 200
Source of Elevation WELL ENTERPRISES WELL NO 1 ELEV 1587'

"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."

Company ALLEGHENY LAND MINERAL CO.
Address CLARKSBURG, W.V. 26301
Farm T.A. TAYLOR, I.S. WARD
Tract _____ Acres 250 Lease No. _____
Well (Farm) No. _____ Serial No. A-728
Elevation (Spirit Level) 1607
Quadrangle SAGO NW
County UPSHUR District BUCKHANNON
Engineer Donald L. Whelan
Engineer's Registration No. 530 L.L.S.
File No. 190 Drawing No. _____
Date 2-20-78 Scale 1" = 1000'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. UPS-1804

+ 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.

47-097 MAR 29 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle SAGO
Permit No. UPS-1804

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

Company <u>Allegheny Land & Mineral Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1740, Clarksburg, WV 26301</u>	Size			
Farm <u>T. A. Taylor</u> Acres <u>250</u>	20-16			
Location (waters) <u>Buckhannon River</u>	Cond.			
Well No. <u>A-728</u> Elev. <u>1607'</u>	13-10"			
District <u>Buckhannon</u> County <u>Upshur</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8	812'	812'	Cement to surf.
Address <u>Route #1, Volga, WV</u>	7			
Mineral rights are owned by <u>same</u>	5 1/2			
Address _____	4 1/2	4277'	4277'	" " 3677'
Drilling Commenced <u>March 29, 1978</u>	3			
Drilling Completed <u>April 4, 1978</u>	2			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details: Attach copy of cementing record.
Well was fractured by Dowell - April 19, 1978
Final test: Open Flow - 348 MCF
Rock Pressure - 880# - 14 days

Coal was encountered at 330-334' Feet _____ Inches
Fresh water @ 76' & 339' Feet _____ Salt Water _____ Feet _____
Producing Sand Benson Depth 4166-4190'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	18		
Sand & Shale			18	330	Water - 1/4" Stream @ 76'	
Coal *****			330	334	Coal *****	
Sand & Shale			334	1568	Water - 1" @ 339'	
Big Lime			1568	1690		
Injun Sand			1690	1760		
Sand & Shale			1760	2302		
Gordon Sand			2302	2346		
Sand & Shale			2346	2906		
Sand			2906	2930		
Sand & Shale			2930	2988		
Sand			2988	2996		
Sand & Shale			2996	3798		
Riley Sand			3798	3816	4168 1/2 - 4175' - 6 holes	
Sand & Shale			3816	3886	4182 1/2 - 4187' - 6 "	
Sand			3886	3900		
Sand & Shale			3900	4166		
Benson Sand			4166	4190		
Sand & Shale			4190	4350		
			total depth	4350	(Driller)	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR - 6 1978

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner I. S. Ward
Address Route 1, Volga, WV
Mineral Owner I. S. Ward
Address Route 1, Volga, WV
Coal Owner James J. LaRosa
Address 309 Clark, Clarksburg, WV
Coal Operator _____
Address _____

DATE March 1, 1978
Company Allegheny Land & Mineral Co.
Address P. O. Drawer 1740, Clarksburg, WV
Farm T. A. Taylor Acres 250
Location (waters) Buckhannon River
Well No. A-728 Elevation 1607'
District Buckhannon County Upshur
Quadrangle SAGO

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 7-21-78.

INSPECTOR TO BE NOTIFIED Robert Stewart
ADDRESS Jane Lew, W. Va.
PHONE 884-7782

Robert Stewart
Deputy Director - Oil & Gas Division

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 January 30, 1975 by I. S. Ward made to Allegheny Land & Mineral and recorded on the 1st day of Feb. 19 75 in Upshur County, Book 57 Page 689
XX 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, WEST VIRGINIA 26505
AC-304 - 292-6331

Address of Well Operator

Very truly yours, Allegheny Land & Mineral Co.
(Sign Name) Robert Stewart Manager
Well Operator
Land, Lease and Right of Way
P. O. Drawer 1740
Street
Clarksburg
City or Town
West Virginia
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.

UPS-1804 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-097

Signed by _____

DIANET DAID

Stewart

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Allegheny Land & Mineral Company
 ADDRESS _____ ADDRESS P. O. Drawer 1740, Clarksburg,
 TELEPHONE _____ TELEPHONE (304) 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX 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	20'	20'	cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	600'	600'	cement to surface
7			
5 1/2			cement to 300' above
4 1/2	4600'	4600'	producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 300 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 157' _____
 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