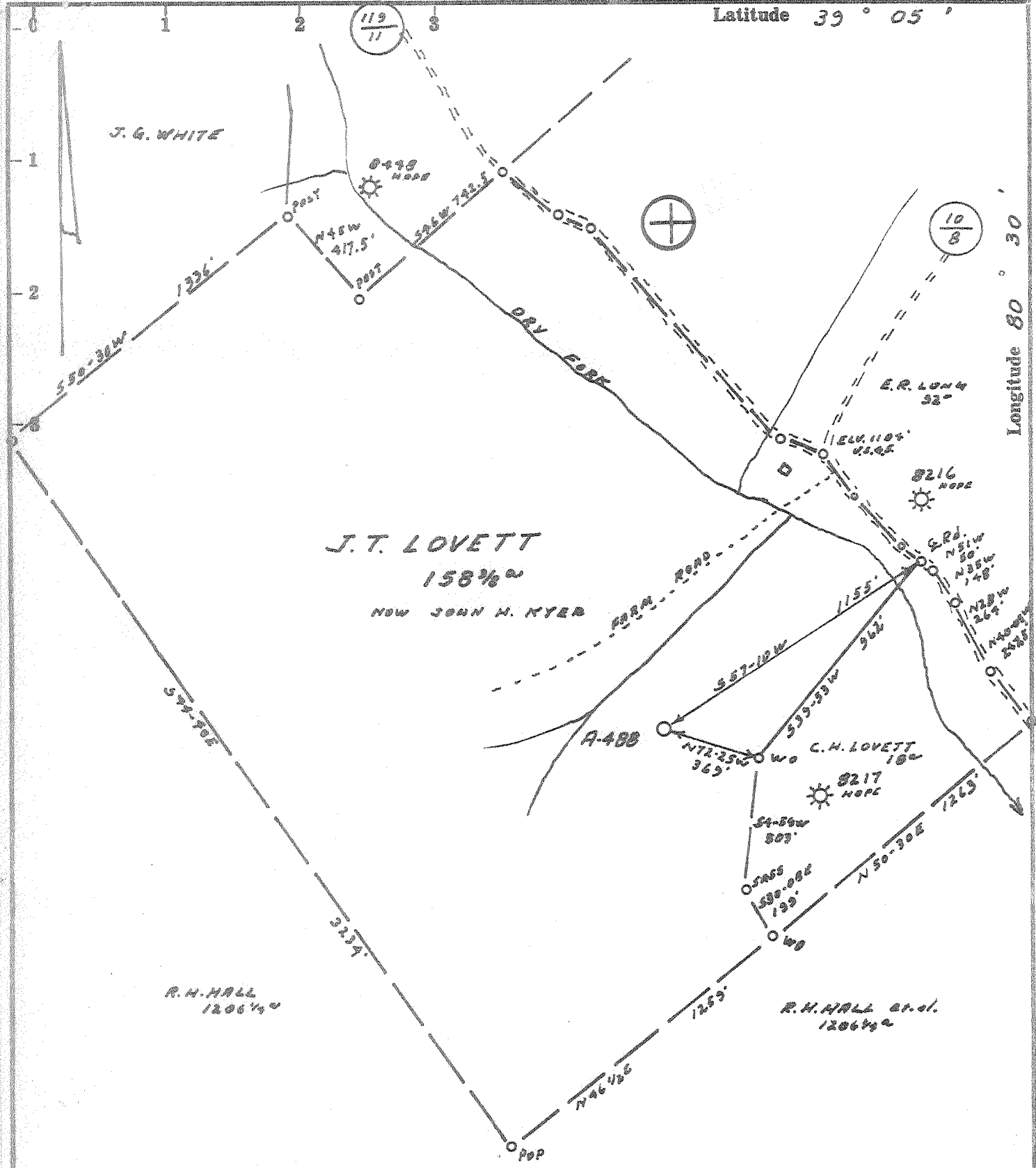


Latitude 39° 05'



- Fracture....
- Redrill.....
- ~~New Location~~
- Drill Deeper.....
- Abandonment.....  -10-29-74

Source of Elevation ROAD PIS, ELEV. 1109' USGS

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 accuracy, one part in 200

Company	ALLEGHENY LAND & MINERAL CO.	
Address	CLARKSBURG, W.V. 26301	
Farm	J.T. LOVETT	
Tract	Acres	Lease No.
	158 3/8	
Well (Farm) No.	Serial No. A-488	
Elevation (Spirit Level)	1231'	
Quadrangle	VADIS SEA-	
County	District	
LEWIS	FREEMANS CK.	
Engineer	R. J. McWilliams	
Engineer's Registration No.	105 L. L. S.	
File No.	Drawing No.	
221/144		
Date	Scale	
2-19-73	1" = 500'	

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

WELL LOCATION MAP  
FILE NO. Pew-1914-P

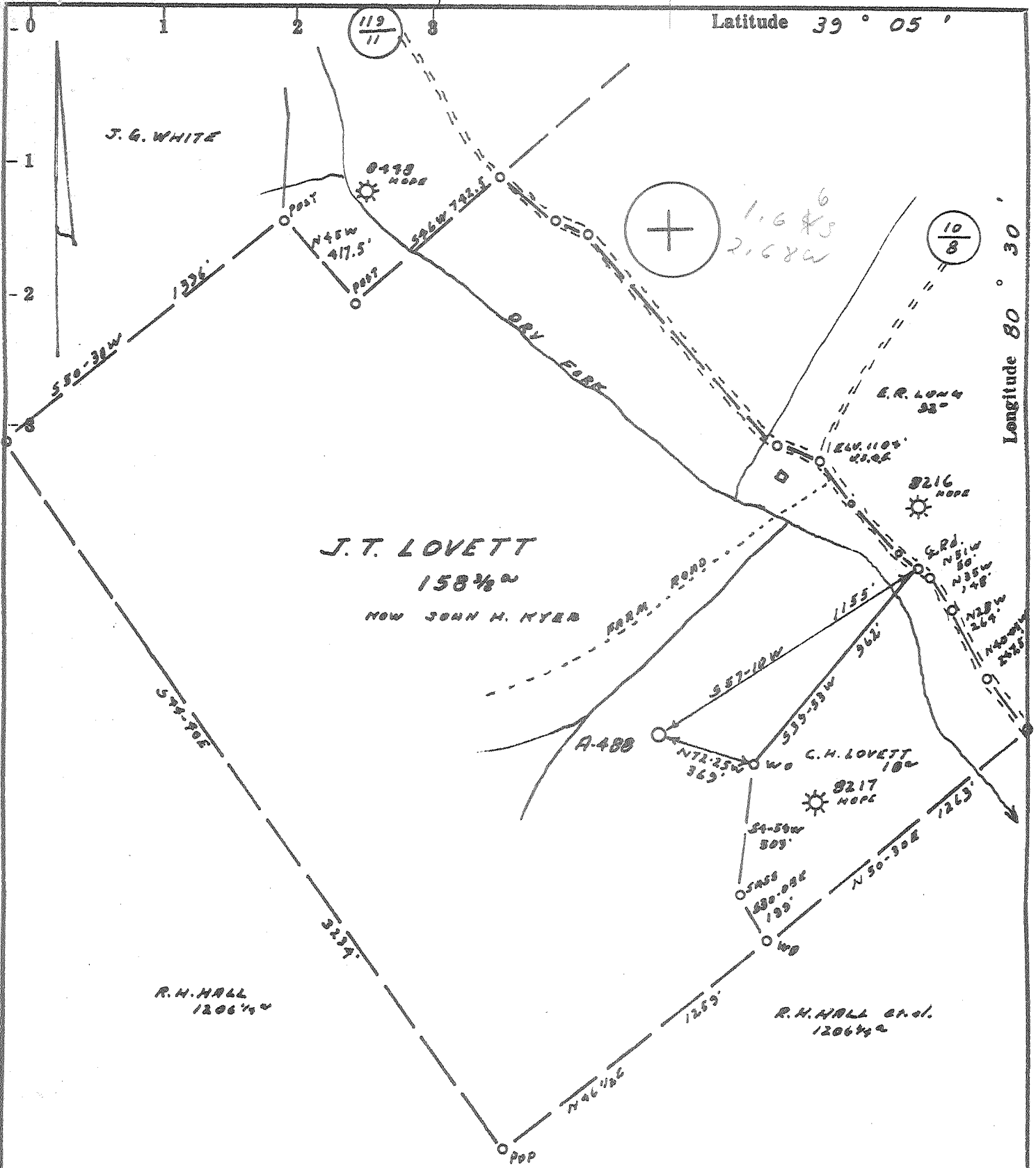
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-041

Deep well

NOV 6 1974



Source of Elevation ROAD PKE, ELEV. 1109' USGS

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 accuracy, one part in 200

- Fracture...
- Redrill...
- New Location
- Drill Deeper...
- Abandonment...

Company ALLEGHENY LAND & MINERAL CO.  
 Address CLARKSBURG, W.VA. 26301  
 Farm J. T. LOVETT  
 Tract \_\_\_\_\_ Acres 158 1/4 Lease No. \_\_\_\_\_  
 Well (Farm) No. \_\_\_\_\_ Serial No. A-488  
 Elevation (Spirit Level) 1231'  
 Quadrangle VADIS SEA-  
 County LEWIS District FREEMANS CK.  
 Engineer R. J. McMillham  
 Engineer's Registration No. 105 L. L. S.  
 File No. 221/144 Drawing No. \_\_\_\_\_  
 Date 2-19-73 Scale 1" = 500'

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

**WELL LOCATION MAP**  
 FILE NO. Pew-1914

+ 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.

47-041 Deep Well



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

Rotary   
Spudder   
Cable Tools   
Storage

WELL RECORD 7

Oil or Gas Well Gas  
(KIND)

39-15  
9-9-23  
Vadis  
Permit No. Lew-1914

Company Allegheny Land & Mineral Co.  
Address P.O. Box 1479 Clarksburg, W. Va.  
Name J.T. Lovett Acres 158  
Location (waters) Dry Fork of Polk Creek  
Well No. A-488 Elev. 1231  
District Freemans Creek County Lewis  
The surface of tract is owned in fee by John H. Kyer  
733 W. 2nd Street Address Weston, Wv  
Mineral rights are owned by William W. Lovett et al  
108 State Route 75 Address Shoals, WV  
Drilling commenced May 30, 1973  
Drilling completed June 14, 1973  
Date Shot From To

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	<del>22</del>		- Not cemented
13	22'	22'	Size of
10	9-5/8" 1449'	1449'	Depth set
8 1/4"	(Cemented to surface)		
6 5/8"			
5 3/16"			
4 1/2"	7227'	7227'	Perf. top
3"			Perf. bottom
2"			Perf. top
Liners Used			Perf. bottom

Open Flow /10ths Water in Inch  
/10ths Merc. in Inch  
Volume Cu. Ft.  
Rock Pressure lbs. hrs.  
Oil bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS)  
WELL FRACTURED (DETAILS) June 28, 1973

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 1687 No. Ft. 6-25-73 Date  
Amount of cement used (bags) ~~328~~ 700 bags  
Name of Service Co. Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 185 Mcf  
ROCK PRESSURE AFTER TREATMENT 1875# HOURS 72  
Fresh Water Feet Salt Water Feet  
Producing Sand Huntersville Chert 6879-7009 Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	36			
Red Rock			36	109			
Sand			109	158			
Sand & shale			158 <del>178</del>	215			
Sand			215	230			
Red Rock & shale	shale		230	281			
Sand	White		281	347			
Red Rock & shale	shale		347	460			
Sand	Gray		460	484			
Shale			484	500			
Sand	Gray	Hard	500	530			
Sand & shale			530	804			
Sand	White	hard	804	844			
Sand & shale			844	1025			
Sand	Gray	Med	1025	1187			
Shale			1187	1221			
Sand	White	hard	1221	1320			
Lime			1320	1360			
Red Rock & shale	shale		1360	1427			
Pencil cave			1427	1447			
Big Lime			1447	1527			
Big Injun			1527	1666			
Shale			1666	2030			
Sand			2030	2045			
Shale			2045	2100			
Sand			2100	2180			
Shale			2180	2315			
Sand			2315	2342			

4 1/2" Casing perforated:  
6879 to 6896)  
6935 to 6956) - 20 holes  
6977 to 7009)  
Huntersville  
7073 to 7077)  
7110 to 7121) - 15 holes  
7137 to 7145)  
Oriskany

RECEIVED  
AUG 17 1973  
DEPT. OF MINES  
OIL & GAS

Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
shale			2342	4070			
enson Stringers			4070	4190			
andy shale			4190	4250			
enson stringers			4250	4340			
andy shale			4340	4445			
lime			4445	4516			
andy shale			4516	6524			
ulley Lime			6524	6565			
shale			6565	6800			
and	Huntersville chert Oriskany ss.		6800	7052			
chert			7052	7152			
shale			7152	7243			
Total depth in Helderberg				7243			

Date August 9, 19 73

APPROVED Allegheny Land & Mineral Co., Owner

By Claron Dawson, Supt.  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

MAY 7 1973

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE May 4th., 1973

Surface Owner John H. Kyer Company Allegheny Land and Mineral Company

Address 733 W. Second St., Weston, WV 26452 Address Clarksburg, WV - 26301

Mineral Owner William W. Lovett, et al. Farm J. T. LOVETT Acres 158 3/8

Address 3408 State Route 75, Shoals, WV 25562 Location (waters) Dry Fork of Polk Creek

Coal Owner John H. Kyer Well No. A - 488 Elevation 1231'

Address 733 W. Second St., Weston, WV 26452 District Freemans Creek County Lewis

Coal Operator none Quadrangle VADIS SE

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Mr. Paul Thomas  
By 12 PH: 472-6418  
Buckhannon  
W.Va. 26201

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 9/7/73.

Robert T. Todd  
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 see attached sheet 19    by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19   , in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

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.

Very truly yours, Allegheny Land and Mineral Co.  
(Sign Name) By: James H. Rouchery  
Well Operator  
Its Secretary  
P. O. Box 1740  
Street  
Clarksburg  
City or Town  
West Virginia  
State

Address  
of  
Well Operator

\*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

Lew-1914 PERMIT NUMBER  
47-041-1914

*[Handwritten signature]*

**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 Union Drilling, Inc. NAME Allegheny Land and Mineral Co.  
 ADDRESS Buckhannon, WV 26201 ADDRESS Clarksburg, WV 26301  
 TELEPHONE \_\_\_\_\_ TELEPHONE 624-7659  
 ESTIMATED DEPTH OF COMPLETED WELL: 7140' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 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	1400'	1400'	cement to surface
8 - 5/8			
7			
5 1/2			
4 1/2	7140'	7140'	cement to 300' above Chert formation
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

100' and 600' possibly from old well records

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET

APPROXIMATE COAL DEPTHS 285' \_\_\_\_\_

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