

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

Source of Elevation ON BRIDGE, ELEV. 731' 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 EQUITABLE GAS CO. WVA. DIV.  
 Address PITTSBURGH, PA. 15219  
 Farm KENNETH C. ORR et al.  
 Tract \_\_\_\_\_ Acres 70 Lease No. 25811  
 Well (Farm) No. 1 Serial No. 5475  
 Elevation (Spirit Level) 932'  
 Quadrangle WEST UNION NE 4-2-3 EC  
 County TYLER District M'ELROY  
 Engineer A. J. McMillan  
 Engineer's Registration No. 105 L.L.S.  
 File No. 222/42 Drawing No. \_\_\_\_\_  
 Date 10-5-72 Scale 1" = 500'

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

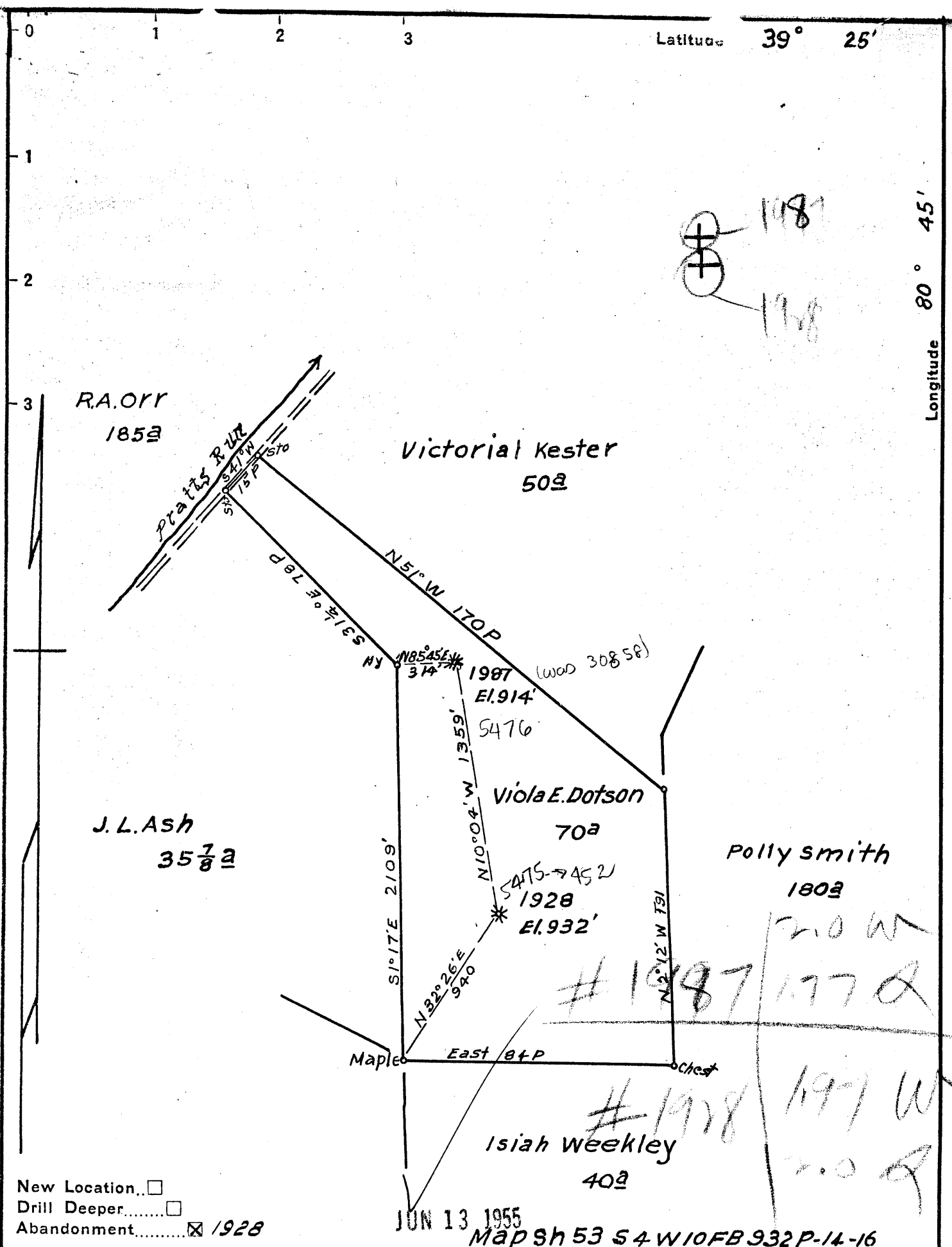
**WELL LOCATION MAP**  
 FILE NO. 192-452-Red  
*Transferred from 192-857-A.*  
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 — Denotes one inch spaces on border line of original tracing.

OWWO 9-0 Wilbur (92)

OCT 23 1972

Latitude 39° 25'

Longitude 80° 45'



New Location...   
 Drill Deeper...   
 Abandonment...  1928

JUN 13 1955  
 Map Sh 53 54 W 10 FB 932 P-14-16

Company	Hope Natural Gas Co
Address	Clarksburg W.Va.
Farm	Viola E. Dotson
Tract	Acres 70 Lease No. 5361
Well (Farm) No.	1928 Serial No. As Shown
Elevation (Spirit Level)	As Shown
Quadrangle	West Union
County	Tyler District McElroy
Engineer	W. M. Brown
Engineer's Registration No.	900
File No.	Drawing No.
Date	5-12-55 Scale Scale 1" = 40P

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

WELL LOCATION MAP  
 FILE NO. JYL-857-A-#1928  
 how 452

+ 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.

VIOLA E. DOTSON No. 1928 HOPE N, G, Co. TYL-857-A



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED  
AUG 13 1973  
OIL & GAS DIV.  
DEPT. OF MINES

Quadrangle West Union NE 4.3-4

Permit No. TYL-452-Red

Rotary XX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage XX \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind)

Company Equitable Gas Pa. 15219  
Address 420 Blvd. of the Allies, Pgh.  
Farm Kenneth C. Orr et al Acres 70  
Location (waters) Pratts Run  
Well No. 5475 Elev. 932  
District McElory County Tyler  
The surface of tract is owned in fee by Roy D. Headley  
Address Middlebourne, W. Va. 26149  
Mineral rights are owned by James E. Orr et al  
Address Belpre, Ohio 45714

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	35	35	25 sks. to surface
9 5/8			
8 5/8 *			
7 **	1127	1788	1127 to surface
5 1/2	1850	1850	Gel to surface
4 1/2			H.W.Pkr. set @ 1850
3			
2			
Liners Used			

Re- Drilling Commenced 7-2-73  
Re- Drilling Completed 7-26-73  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Well treatment details:

Attach copy of cementing record.

\* Old 8" in well from 448 to 1028  
\*\* Ran 1127' of new 7" and set on old 7" in hole from 1127 to 1788. 300 sks. cement 1127 to surface.

Coal was encountered at 570-572 Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun storage Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			570	572		Driller Est.  1808 932 -876
Little Dunkard Sd.			946	952		
Big Dunkard Sd.			984	1022		
Gas Sd.			1070	1115		
Salt Sd.			1176	1603		
Maxton Sd.			1664	1692		
Little Lime			1752	1782		
Blue Monday Sd.			1794	1804		
Big Lime			1808	1858		
Big Injun Sd.			1864	2033		
Weir Sd.			2186	2220		
Redrilled to				2557		
Cement Plug Back to				1895		
Completed Total Depth				1895		

Note: Gamma Ray Survey from surface to 2557.

\* Indicates Electric Log tops in the remarks section.

(over)

AUG 27 1973



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

257

WELL RECORD

Quadrangle West Union  
Permit No. 41-857

Oil or Gas Well Gas  
(KIND)

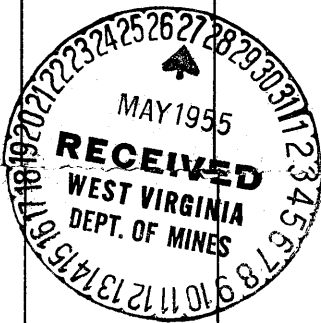
Company Hope Natural Gas Company  
Address 445 West Main St., Clarksburg, W. Va.  
Farm Viola E. Dotson Acres 70  
Location (waters) \_\_\_\_\_  
Well No. 1928 Elev. 932  
District McElroy County Tyler  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced 8-19-10  
Drilling completed 9-13-10  
Date Shot 7-20-43 From 1878 To 1892  
With 40 Qts

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<u>285'</u>		Size of
8 3/4	<u>1040</u>	<u>1040</u>	
6 5/8	<u>1788</u>	<u>1788</u>	Depth set
5 3/16	<u>1842</u>	<u>1842</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil None bbls., 1st 24 hrs.  
Fresh water None feet \_\_\_\_\_ feet  
Salt water 1368 feet 1412 feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
No Cementing  
COAL WAS ENCOUNTERED AT 308 FEET 36 INCHES  
570 FEET 24 INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	308			
Native Coal			308	311			
Pgh Coal			570	572			
Little Dunkard			900	910			
Big Dunkard			1040	1120			
Gas Sand			1178	1215			
First Salt			1348	1412	Water	1368 - 1412	
2nd Salt			1440	1474			
MAXON			None				
Little Line			1766	1775			
Pencil Cave			1775	1782			
BIG LIME			1782	1872			
BIG INJUN			1872	2030	Gas	1881	
Thirty Foot			2452	2495			
Gordon			2609	2617	Gas	2611	
Total Depth			<u>1892</u>	2645'			



AUG 12 1955

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date May 12, \_\_\_\_\_, 19 55

APPROVED Hope Natural Gas Company, Owner

By \_\_\_\_\_ (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

OCT 13 1972

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 Oct. 10, 1972

Surface Owner Roy D. Headley

Company Equitable Gas

Address Middlebourne, W. Va. 26149

Address Pittsburgh, Pa. 15219

Mineral Owner James E. Orr et al

Farm Kenneth C. Orr et al Acres 70

Address 803 Pomery Pike, Belpre, Ohio 45714

Location (waters) Pratts Run

Coal Owner Unknown

Well No. 5475 Elevation 932

Address \_\_\_\_\_

District McElroy County Tyler

Coal Operator \_\_\_\_\_

Quadrangle West Union NE 4.3-4

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Mr Arthur  
Neel  
Box 296 PH: 775-5611  
Thurmond  
W. Va. 24575

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 Redrilling. This permit shall expire if  
operations have not commenced by 2-13-73.

Robert L. Hill  
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 July 7, 1965 by Kenneth C. Orr et al made to Equitable Gas Co. and recorded on the 27th day of April 1966, in Tyler County, Book 172 Page 17

\_\_\_\_\_ NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ XX 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, S. M. Singer  
(Sign Name) Equitable Gas Co.  
Well Operator

Address  
of  
Well Operator

420 Blvd. of the Allies  
Street  
Pittsburgh  
City or Town  
Pa., 15219  
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

Transferred from 5475-Red PERMIT NUMBER  
5475-Red  
Transferred from 5475-A.

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

PROPOSED WORK ORDER TO X RE DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME H. E. Gardner, Div. Supt.  
 ADDRESS \_\_\_\_\_ ADDRESS Box 1550, Clarksburg, W. Va. 26301  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 624-6576  
 ESTIMATED DEPTH OF COMPLETED WELL: 1890 ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Big Injun  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. \_\_\_\_\_ STORAGE XX 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			
<del>X3</del> - 10	285	285	Cem. to surface
9 - 5/8			
8 - 5/8	1040	1040	Cem. to surface
7	1788	1788	Cem. to surface
5 1/2	1880	1880	C em. to 1500
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

1368

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER 1412 FEET  
 APPROXIMATE COAL DEPTHS No mineable coal  
 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