

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

Source of Elevation Rd. Fhs. to South, Elev 822' 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	<u>Equitable Gas Co. W.Va. Div.</u>
Address	<u>Pittsburgh, Pa. 15219</u>
Farm	<u>Jacob A. Cumberledge</u>
Tract	Acres <u>1</u> Lease No. <u>G/R Dead 37</u>
Well (Farm) No.	<u>1</u> Serial No. <u>5498</u>
Elevation (Spirit Level)	<u>795.71</u>
Quadrangle	<u>West Union N242 EC</u>
County	<u>Tyler</u> District <u>McElroy</u>
Engineer	<u>A. J. McElroy</u>
Engineer's Registration No.	<u>105 L.L.S.</u>
File No.	<u>222/14</u> Drawing No.
Date	<u>6-27-74</u> Scale <u>1" = 500'</u>

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

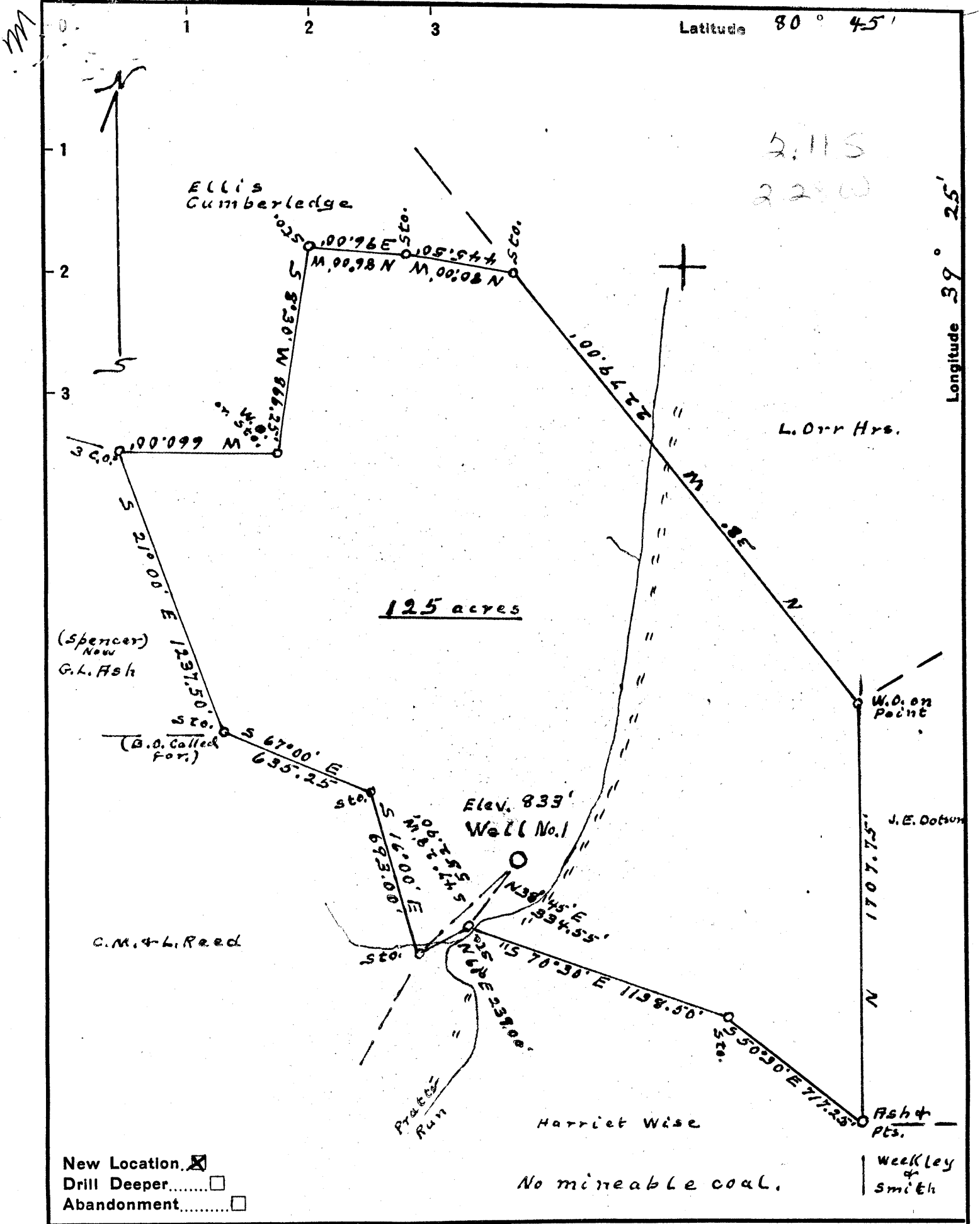
WELL LOCATION MAP
 FILE NO. Tyl-249-Red.

+ 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.

47-095

O.W.W. 9-0 Wilbur (92) Big. Inj.



Company Pratts Run Gas
J.M.L. Smith, Agent

Address West Union, W. Va.

Farm Geo. L. Ash

Tract 1 Acres 125 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 833'

Quadrangle West Union

County Tyler District M^{rs} Elroy

Engineer J.W. Cochran

Engineer's Registration No. Co. Surveyor

File No. 046 Drawing No. _____

Date 2-24-'56 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. JYL-249

+ 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

Quadrangle West Union NE 4.3

Permit No. TYL-249-Red

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

Company Equitable Gas
Address Pittsburgh, Pa. 15219
Farm Jacob A. Cumberledge Acres 1
Location (waters) Pratts Run
Well No. 5498 Elev. 795.71
District McElroy County Tyler
The surface of tract is owned in fee by _____
Jacob A. Cumberledge
Address Alma, W. Va. 26320
Mineral rights are owned by Equitable Gas
Address Pgh., Pa. 15219
Re- Drilling Commenced 8-28-74
Re- Drilling Completed 10-1-74
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 12-10"			
9 5/8	11	11	
8 5/8			
7	1040	1040	350 sks. to surf
5 1/2			
4 1/2	1730	1730	180 sks. to 840, gel to surface
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal (Est.)			425	429		
Gas Sand			930	980		
Salt Sand			1,050	1,345		
Maxton Sand			1,605	1,611		
Little Lime			1,634	1,652		
Big Lime			1,674	1,725		
Big Injun Sand			1,728	1,896		
Weir Sand			2,046	2,134		
Gordon Sand			2,465	2,475		
Redrilled to				2,553		
Cement Plug Back to				1,750		
Completed Total Depth				1,750		

Note: Gamma Log from surface to 2523.

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OCT 11 1974
OIL & GAS
DEPT. OF MINES

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 12

Quadrangle West Union.

WELL RECORD

Permit No. Tyler-249

Oil or Gas Well Gas
(KIND)

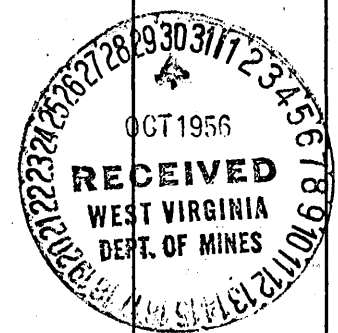
Company Pratts Run Gas Co
Address West Union, W.Va
Farm George H. Ash Acres 135
Location (waters) Pratts Run of McElroy Creek
Well No. 1 Elev. 833
District McElroy County Tyler
The surface of tract is owned in fee by George H. Ash
Address West Union, W.Va
Mineral rights are owned by George H. Ash
Address West Union, W.Va

Drilling commenced April-11-1956
Drilling completed May 22-1956
Date Shot May 29 From 17247.1932 To 20983 glycerine
With Ed Gordon Sand 24507, 2461-1095
Open Flow 80/10ths Water in one inch Inch
10ths Merc. in Inch
Volume 106 thousand Cu. Ft.
Rock Pressure Twenty lbs. Twelve hrs.
Oil three barrels in - 12 hours - bbls., 1st 24 hrs.
Fresh water 25 feet, 125 ft feet and 1297 feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			<u>5 1/2" OD Std - 16d</u> <u>14-17 # X 7 1/2 in</u> <u>00-17-20 # X 1 1/2 in</u> <u>Ruber Oil Well 13.75 in</u> Kind of Packer <u>hole packer</u>
16			
13			<u>5</u>
10	<u>240</u>		Size of
8 1/4	<u>1024</u>		
6 1/2			Depth set <u>1685</u>
5 3/16	<u>1685</u>	<u>1685</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 425 FEET 4 INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	<u>Red</u>	<u>Soft</u>	<u>0</u>	<u>45</u>	<u>water</u>	<u>25 ft</u>	
Slate			<u>45</u>	<u>80</u>			
Red Rock			<u>80</u>	<u>95</u>			
Slate			<u>95</u>	<u>120</u>	<u>water</u>	<u>125 ft</u>	<u>Hole full</u>
Red Rock			<u>120</u>	<u>140</u>			
Slate			<u>140</u>	<u>165</u>			
Red Rock			<u>165</u>	<u>170</u>			
Slime			<u>170</u>	<u>185</u>			
Slate			<u>185</u>	<u>198</u>			
Slime	<u>Hard</u>	<u>Hard</u>	<u>198</u>	<u>207</u>			
Slate			<u>207</u>	<u>215</u>			
Red Rock			<u>215</u>	<u>220</u>			
Slate			<u>220</u>	<u>230</u>			
Red Rock			<u>230</u>	<u>236</u>			
Slime			<u>236</u>	<u>244</u>			
Red Rock			<u>244</u>	<u>249</u>			
Slate			<u>249</u>	<u>253</u>			
Red Rock			<u>253</u>	<u>260</u>			
Slate & Shell			<u>260</u>	<u>270</u>			
Slime			<u>270</u>	<u>300</u>			
Slate			<u>300</u>	<u>333</u>			
Sand			<u>333</u>	<u>355</u>			
Slate			<u>355</u>	<u>425</u>			



Formation	Color	Hard or Soft	Top 12	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal	Pittsburgh	(Hard)	4.25	4.29			
Thin bed		Hard	4.28	4.42			
Slate & Shells			4.42	5.20			
Lime		Hard	5.20	5.30			
Slate			5.30	5.47			
Red Rock			5.47	5.82			
Lime			5.82	5.98			
Red Rock			5.98	6.18			
Slate			6.18	6.35			
Lime			6.35	6.49			
Red Rock		6.49	6.70				
Slate		6.70	7.07				
Sand		7.07	7.17				
Slate		7.17	7.52				
Red Rock		7.52	8.07				
Slate		8.07	8.52				
Lime		8.52	8.90				
Slate	Black		8.90	9.30			
Sand			9.20	9.40	Gas Sand to 980		
Slate			9.40	9.60			
Sand			9.60	9.75			
Sand			9.75	10.34			
Slate shells			10.34	10.84	Sand 1050 to 1345		
Sand			10.84	12.37			
Slate & Shells			12.37	12.73	water	12.37	
Sand		Hard	12.73	13.10			
Lime shells			13.10	13.22			
Slate		13.22	13.44				
Sand		13.44	13.92				
Slate		13.92	14.30				
Lime		14.30	14.70				
Slate & Shells		14.70	15.10				
Lime		15.10	15.21				
Slate - B	Black		15.21	15.40			
Sand			15.40	15.60			
Slate			15.60	15.74			
Lime			15.74	15.96			
Red Rock			15.96	16.22	Mudstone		
Sand		Hard	16.02	16.22			
Slate & Shells		Hard	16.22	16.37			
Lime			16.37	16.55	little lime		
Slate & Shells			16.55	16.61			
Lime			16.61	16.65			
Pure Lime		16.65	17.21				
Sand	Hard	17.21	18.39				
Sand	Hard	18.39	18.40				
Sand		18.40	18.90				
Slate & Shells		18.90	20.35				
Lime		20.35	21.35				
Slate & Shells		21.35	24.48				
Sand		24.48	24.60				
Lime		24.60	24.68				
Slate		24.68	25.00				
Lime		24.80	25.35				
Slate		25.00	25.35				

Date Oct 26 1956

APPROVED Tratta Run Inc Co Owner

By J. M. Smith agt (Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 22 1974

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 July 18, 1974
Company Equitable Gas
Address Pittsburgh
Farm Jacob A. Cumberledge Acres 1
Location (waters) Pratts Run
Well No. 1-5-5498 Elevation 795.71
District McElroy County Tyler
Quadrangle West Union N. E. 4³

Surface Owner Jacob A. Cumberledge
Address Alma, West Virginia 26320
Mineral Owner Equitable Gas Company
Address Pittsburgh, Pennsylvania 15219
Coal Owner Same as mineral owner
Address _____
Coal Operator _____
Address _____

INSPECTOR TO BE NOTIFIED Paul Goodnight
Smithville PH: 477-2455
W.Va.

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 11-22-74

Robert L. Hood
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 April 29, 1974 by Jacob A. Cumberledge made to Equitable Gas Company and recorded on the 29th day of April 19 74 in Tyler County, Book 202 Page 250

_____ 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. Lingen
(Sign Name) Equitable Gas Company
Well Operator

420 Boulevard of the Allies
Street
Pittsburgh
City or Town
Pennsylvania 15219
State

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 979
Morgantown, W. Va. 26505
AC 304-296-4461

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

TYL-249-Red PERMIT NUMBER
47-095

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

PROPOSED WORK ORDER TO RE DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME H. E. Gardner, Div., Superintende
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W.Va.
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 1760 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			
13 - 10			
9 - 5/8			
8 - 5/8	1024	1024	Cem. to surface
7			
5 1/2	1730	1730	Cem. to 800
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 25 & 125 FEET SALT WATER 1237 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