



80
11.785
2.04W
2

Longitude 80° 45'

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

Source of Elevation W.M. P. ORR, ELV. 721' 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

Hope CO.
(was #1987) WAD: 30858

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. 2 Serial No. 5476
 Elevation (Spirit Level) 914'
 Quadrangle WEST UNION NE 4 2-1 EL
 County TYLER District M'ELROY
 Engineer R. 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. Supp-459-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.

Owwo 9-0 Wilbur (92)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle West Union NE 4.3-4
Permit No. TYL-453-Red

Company <u>Equitable Gas</u> 15219	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>420 Blvd. of the Allies, Pgh., Pa.</u>				
Farm <u>Kenneth C. Orr et al</u> Acres <u>70</u>				
Location (waters) <u>Pratts Run</u>	Size			
Well No. <u>5476</u> Elev. <u>914</u>	<u>20-16</u>			
District <u>McElroy</u> County <u>Tyler</u>	Cond.			
The surface of tract is owned in fee by _____	<u>XX 10"</u>	<u>326</u>	<u>326</u>	<u>165 sks. to sur</u>
<u>Roy D. Headley</u>	<u>9 5/8</u>			
Address <u>Middlebourne, W. Va. 26149</u>	<u>8 5/8</u>	<u>1049</u>	<u>1049</u>	<u>530 sks. to sur</u>
Mineral rights are owned by <u>James E. Orr</u>	<u>7</u>			
Address <u>Belpre, Ohio 45714</u>	<u>5 1/2</u>	<u>1847</u>	<u>1847</u>	<u>190 sks. to 847</u>
Re- Drilling Commenced <u>10-20-72</u>	<u>4 1/2</u>			<u>gel to surface</u>
Re- Drilling Completed <u>8-9-73</u>	<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.	<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.	Liners Used			
Well open _____ hrs. before test _____ RP.				
Well treatment details:				

Attach copy of cementing record.

Coal was encountered at 530-535 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet
Producing Sand Big Injun gas storage Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			530	535		Driller Est.
Gas Sand			1046	1096		
Salt Sand			1160	1596		
Maxton Sand			1655	1670		
Little Lime			1758	1788		
Big Lime			1790	1848		
<u>Big Injun Sand</u>			1852	2026		
Weir Sand			2180	2260		
Gantz Sand			2368	2386		
Gordon Sand			2592	2634		
<u>Redrilled to</u>				<u>2653</u>		
<u>Cement Plug Back to</u>				<u>1897</u>		
<u>Completed Total Depth</u>				<u>1897</u>		

Note: Gamma Ray Survey from surface to 2651.

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

202

West Union

Quadrangle

WELL RECORD

Permit No. 14-858-A → 453

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. 1987 Elev. 914'
District McElroy County Tyler
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 10-4-10
Drilling completed 11-2-10
Date Shot Not shot From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8 1/4	1791	1791	
6 5/8	1826	1826	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Exhausted Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil None bbls., 1st 24 hrs.
Fresh water None feet _____ feet
Salt water 1387 feet _____ feet

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No Cementing
COAL WAS ENCOUNTERED AT 76 FEET 48 INCHES
530 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Coal			76	80	Water	1385	
Coal			530	536			
Little Dunkard			935	950			
Big Dunkard			1047	1115			
Gas Sand			1150	1235			
First Salt			1375	1395			
Second Salt			1450	1494			
Maxon			1670	1715 1715			
Little Lime			1761	1776			
Pencil Cave			1776	1786			
Big Lime			1786	1858	Gas	1874	
Big Injun			1878	1878			
Total Depth				1950'			

JUN 1955
RECEIVED
WEST VIRGINIA
DEPT. OF MINES
AUG 12 1955

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

Date June 13, 1955, 19

APPROVED Hope Natural Gas Company, Owner

By _____ (Title)

Bailey



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 Pomeroy Pike, Belpre, Ohio 45714

Location (waters) Pratts Run

Coal Owner Unknown

Well No. 5476 Elevation 914

Address _____

District McElroy County Tyler

Coal Operator _____

Quadrangle West Union NE 4.3-4

Address _____

Matthew
Truel

Box 296 PH: 775-5611
Thundred
W. Va. 26575

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 F. 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 Apr. 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. Linger
(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

Dye-453 Red PERMIT NUMBER

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			
<u>XX</u> - 10	320	320	Cem. to surface
9 - 5/8			
8 - 5/8	1059	1059	Cem. to surface
7	1791	1791	Cem. to surface
5 1/2	1873	1873	Cem. to 1500
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER 1385 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