

3.745
3.58W

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

Source of Elevation **BM 834 Bridge at Camp Mistake**
 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	<i>Equitable Gas Co.</i>		
Address	<i>Pittsburgh, Pa.</i>		
Farm	<i>Richard E. Moore</i>		
Tract	Acres <i>30</i>	Lease No.	<i>26217</i>
Well (Farm) No.	Serial No. <i>5495</i>		
Elevation (Spirit Level)	<i>933.23'</i>		
Quadrangle	<i>West Union 2² EC</i>		
County	<i>Tyler</i>	District	<i>McElroy</i>
Engineer	<i>R. J. McElroy</i>		
Engineer's Registration No.	<i>L. L. S. 105</i>		
File No.	<i>222/138</i>	Drawing No.	
Date	<i>10-2-73</i>	Scale	<i>1" = 500'</i>

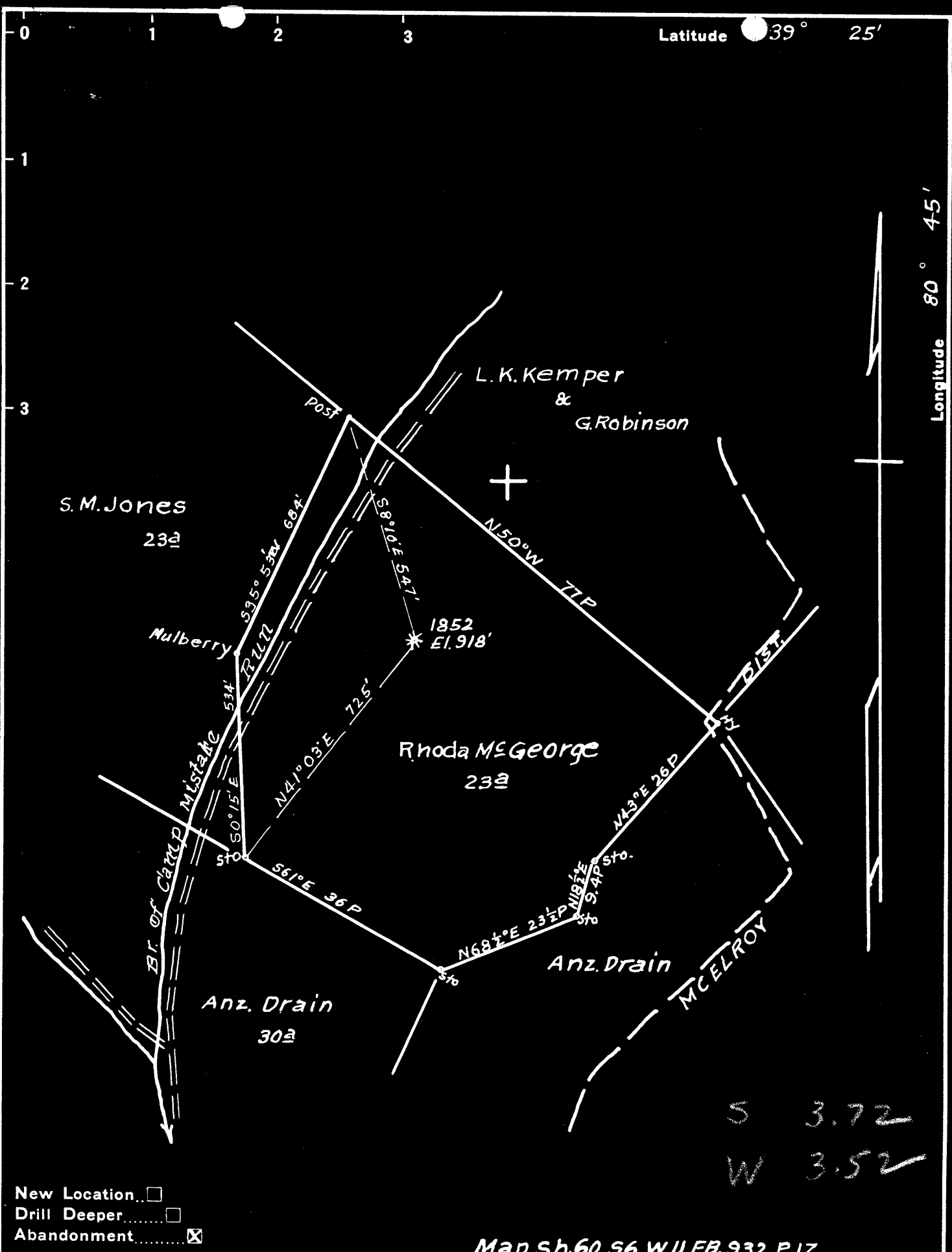
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. *Ty 1-471-Red.*
Trans. from Ty 1-638-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.

47-095



- New Location..
- Drill Deeper.....
- Abandonment.....

Map Sh. 60 S6 W 11 FB. 932 P 17.

Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Rhoda McGeorge
 Tract _____ Acres 23 Lease No. 4524
 Well (Farm) No. _____ Serial No. 1852
 Elevation (Spirit Level) 918'
 Quadrangle West Union
 County Tyler District Centerville
 Engineer WMB Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 4-17-50 Scale 1"=20P

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

WELL LOCATION MAP
 FILE NO. TYL 638

+ 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.

"IMPERIAL" TRACING CLOTH
K & E CO., N. Y.



RECEIVED

SEP 11 - 1975

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 SE 2.2

Permit No. TYL-471-Red

Company Equitable Gas
Address Pittsburgh
Farm Richard E. Moore Acres 30
Location (waters) Camp Mistake Run
Well No. 5495 Elev. 933.23
District McElory County Tyler
The surface of tract is owned in fee by _____
A. A. Pursley
Address Leroy, W. Va. 25252
Mineral rights are owned by Same as surface
Address _____
Re- Drilling Commenced 8-12-74
Re- Drilling Completed 8-26-75
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8 *	650	650	260 sks. to surf.
7 **			
5 1/2			
4 1/2			
3-1/2	1825	1825	H.W. Packer, gel to surface
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.
* Old 8" in hole from 674 to 1058
** Old 7" in hole from 1201 to 1786

Coal was encountered at _____ 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 (Driller Est.)			525	531		
Gas Sand			1048	1058		
Salt Sand			1168	1557		
Maxton Sand			1598	1682		
Little Lime			1732	1752		
Big Lime			1770	1832		
Big Injun			1834	1968		
Weir Sand			2120	2223		
50' Sand			2320	2326		
Gordon Sand			2536			
				2576		
				1851		
				1851		

1770
933
837

Note: Gamma Log from surface to 2542.

(over)

* Indicates Electric Log tops in the remarks section.

McElroy District, Tyler County, W. Va.
Hope Natural Gas Co.
Elevation, 918'.
Gas well.
On Camp Mistake Run.
Shown on 7-E, West Union Quadrangle.





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

507

WELL RECORD

Permit No. TYL-638-A

Gas Well
(KIND)

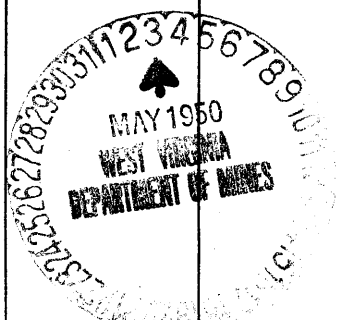
Company Hope Natural Gas Company
Address 445 West Main St. Clarksburg, W. Va.
Farm Rhoda McGeorge Acres 23
Location (waters) _____
Well No. 1852 Elev. 918
District Centerville County Tyler
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced June 29, 1910
Drilling completed July 30, 1910
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water none recorded feet _____ feet
Salt water none recorded feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<u>265</u>	<u>Pulled</u>	Size of
8 1/4	<u>1056</u>	<u>1056</u>	
6 3/4	<u>1780</u>	<u>1780</u>	Depth set
5 3/16	<u>1828</u>	<u>1828</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

NOT
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 525 FEET 72 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh Coal			525	531			
Little Dunkard			970	980			
Big Dunkard			1050	1060			
Gas sand			1175	1225			
First Salt			1270	1300			
Second Salt			1350	1410			
Maxon			1700	1725			
Little Lime			1740	1865			
Pencil cave			1765	1772			
Big Lime			1772	1855			
Big Injun Squaw			1855	1925	gas	1865 1920	
			1975	1990			
Gantz			2132	2232			
Fifty foot			2264	2296			
Thirty foot			2370	2400			
Gordon			2528	2542			
Total depth				3026			
Filled back to				1930			



(Over) **SEP - 9 1950**

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

Date May 2, 1950, 19

APPROVED Hope Natural Gas Company., Owner

By _____

(Title)





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUN 12 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.

Surface Owner A. A. Pursley
Address Leroy, W. Va. 25252
Mineral Owner Same as Surface
Address _____
Coal Owner Same as Surface
Address _____
Coal Operator _____
Address _____

DATE June 7, 1974
Company Equitable Gas Co.
Address Pittsburgh, Pa. 15219
Farm Richard E. Moore Acres 30 middle Island Creek
Location (waters) Camp Mistake Run
Well No. 5495 Elevation 933.23
District McElroy County Tyler
Quadrangle West Union SE 2.2

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 10-13-74.

[Signature]
Deputy Director - Oil & Gas Division

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

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 March 15 19 73 by Richard E. Moore made to Equitable Gas Co. and recorded on the 23rd day of August 19 73, in Tyler County, Book 198 Page 405

_____ 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.

PLEASE SUBMIT COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Martinsburg, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours, S.M. Singer
(Sign Name) Equitable Gas Co.
Well Operator
420 Blvd. of the Allies
Street
Pittsburgh
City or Town
Pennsylvania 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.

Trans. from Dept-638-A

Dept-471-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. Supt.
 ADDRESS _____ ADDRESS Box 1550, Clarksburg, W. Va.
 TELEPHONE _____ TELEPHONE (304) 624-6576
 ESTIMATED DEPTH OF COMPLETED WELL: 1880 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			
7	1797	1797	Cem. to surface
5 1/2	1855	1855	
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER _____ 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