



Thomas E. Graham
Stern Bros.

COAL OWNED BY M. A. Hanna Coal Company

- NEW LOCATION Storage
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

"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 degree of accuracy is one part in 2500

Signed Robert M. Neill (J.P.)

COMPANY	<u>The Manufacturers Light And Heat Company</u>		
ADDRESS	<u>800 Union Trust Bldg Pittsburgh, Penna.</u>		
FARM	<u>W. O. Kincaid</u>		
MAP	<u>P-27/7</u>	ACRES	<u>97.25</u>
		LEASE NO.	<u>L-14803</u>
WELL (FARM) NO.	<u>3</u>	SERIAL NO.	<u>L-4790</u>
ELEVATION (SPIRIT LEVEL)	<u>1390'</u>		
QUADRANGLE	<u>Littleton 15' NC</u>		
COUNTY	<u>Wetzel</u>	DISTRICT	<u>Proctor</u>
POINT OF PROVEN ELEVATION	<u>U.S.G.S. B.M. P-126</u>		
FILE NO.	<u>July 12, 1943</u>	DRAWING NO.	<u>Y-25-789</u>
DATE		SCALE	<u>1"=400'</u>

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON
WELL LOCATION MAP

FILE No. Wet-549

★ 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.

9-0 36



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton

WELL RECORD

Storage

Permit No. WET-549

Oil or Gas Well GAS
(HIND)

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm W. O. Kincaid Acres 97.25
Location (waters) _____
Well No. 4790 Elev. 1390.00'
District Proctor County Wetzel
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced August 15, 1963
Drilling completed August 23, 1963
Date Shot 8/23/63 From Maxton To
With Pitot Tube
Open Flow 22PSIG /10ths Water in _____ Inch
13,170,000 /10ths Merc. in 4 1/2 Inch
Volume _____ Cu. Ft.
Rock Pressure 635 lbs. 72 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18 3/8"	35'	35'	
10			Size of
8 5/8"	1226'	1226'	Depth set
6"			
5 1/2"			
5 1/2"	2279'	2279'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 1165 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal			1165	1177			
✓ Murphy Sand			1240	1260			
✓ Little Dunkard Sand			1515	1536			
✓ Big Dunkard Sand			1670	1727			
✓ First Salt Sand			1890	1900			
✓ Second Salt Sand			1970	2000			
✓ Maxton Sand			2166	2195			
Total Depth				2269			Perforated 2170' to 2195'
5 1/2" Float Shoe set @				2279			
5 1/2" Insert Float Check Valve Set @				2269			

1390
1165
225

