



New Storage Well

COAL OWNED BY M A Hanna Coal Co.

NEW LOCATION
 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."
Robert M. Heill 361-E (JE)

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.
 ADDRESS 800 UNION TRUST BLDG, PGH. PA.
 FARM JOE WHIPKEY
 MAP 0-25-28 ACRES 131 LEASE NO. 2283
 WELL (FARM) No. 5 SERIAL No. L-4778
 ELEVATION (SPIRIT LEVEL) 1334.07
 QUADRANGLE CAMERON W.VA, PA. 7 1/2 1"=2000'
 COUNTY MARSHALL DISTRICT LIBERTY
 POINT OF PROVEN ELEVATION U.S.G.S. B.M. D-127
On Fish Creek
 FILE No. _____ DRAWING No. Y-25-691
 DATE 5 MARCH 63 SCALE 1"=400'

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

WELL LOCATION MAP

FILE No. MARS-486

+ 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 25



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

storage

WELL RECORD

Oil or Gas Well GAS
(MMS)

Quadrangle Cameron

Permit No. MARS-486

Company The Mfrs. Lt. and Ht. Co.
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm Joe Whipkey Acres 131

Location (waters) _____
Well No. 4778 Elev. 1334.07'
District Liberty County Marshall

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced April 20, 1963

Drilling completed May 13, 1963

Date Shot 5/13/63 From Maxton To Big Injun

With Pitot Tube

Open Flow 10ths Water in _____ Inch

4 PSIG ~~XXXX~~ Merc. in 4 1/2 Inch

Volume 5,500,000 Cu. Ft.

Rock Pressure 360 lbs. 24 hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18 <u>3/8"</u>	30'	29'	
10			Size of
8" <u>5/8"</u>	1036'	1036'	
6" <u>5 1/2"</u>	2295'	2295'	Depth set
5 3/16			
2			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT 992 FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	THICKNESS THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
✓ Pittsburgh Coal		5	992	997			
✓ Murphy Sand		37	1096	1133			
✓ Big Dunkard		86	1464	1550			
✓ 2nd Salt Sand <u>SI</u>		28	1745	1773			
✓ 3rd Salt Sand <u>2nd</u>		22	1890	1912			
✓ Maxton Sand		18	2018	2036	Perforated	2018 to 2036'	
✓ Lower Maxton		3	2070	2073			
✓ Big Lime		36	2076	2112			
✓ Big Injun			2114		Perforated	2126' to 2134'	
					Perforated	2216 to 2236'	
Total Depth				2259			
5 1/2" Float Shoe set at				2295	2076	2112	
5 2" Insert Float Ch. Valve				2279	1334	1334	
					742	778	

