



COAL OWNED BY Ewing B. Pollock, Manor Real Est. Co.,
Monongalia Improvement Co.

- NEW LOCATION
- 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 _____

Signed

Jake C. Snyder
P. 7842 E

COMPANY The Manufacturers Light & Heat Co.
ADDRESS 800 Union Trust Bldg., Pittsburgh, Pa. 15219
FARM John Crow
MAP O-25/10 ACRES 330 LEASE NO. L-2900
WELL (FARM) NO. _____ SERIAL NO. L-4850
ELEVATION (SPIRIT LEVEL) 1261.54'
QUADRANGLE Cameron, W. Va. - Pa. - O. NE
COUNTY Marshall DISTRICT Webster
POINT OF PROVEN ELEVATION BM A125 1951 Dist. SW
corner of yard of Mt. Hope Methodist Church
FILE NO. _____ DRAWING NO. Y-28-1152A
DATE 19 Oct. 1970 SCALE 1" = 800'

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

FILE NO. Draw 541

1 DENOTES LOCATION OF WELL ON MAPS BEING REFERRED TO
MAPS, SCALE 1 TO 62,500, LATITUDE AND LONGITUDE LINES
BEING REPRESENTED BY DOTTED LINES AS SHOWN.

1 DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

40-00
3-43



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

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well Gas (KIND)

Quadrangle Cameron

Permit No. MARS-541

WELL RECORD

Company The Manufacturers Light & Heat
Address 800 Union Trust Bldg., Pgh., Pa.
Farm John Crow Acres 330
Location (waters) _____
Well No. 4850 Elev. 1261.54
District Webster County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 1-4-71
Drilling completed 2-5-71
Date Shot --- From _____ To _____
With _____
Open Flow 10ths Water in _____ Inch
23" 10ths Merc. in 4 1/2" Pitot Tube _____ Inch
Volume 9,250,000 Cu. Ft.
Rock Pressure 460 lbs. 72 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			None
13 3/8"	96'	96'	Size of
10 3/4"	741'	741'	Depth set
8 5/8"	1358'	1358'	Perf. top
6 1/2"			Perf. bottom
5 3/16"			Perf. top
4 1/2"			Perf. bottom
3"			Perf. top
2"			Perf. bottom
Liners Used			

Attach copy of cementing record. 13" 96' 1-8-71
CASING CEMENTED 10" SIZE 741' No. Ft. 1-19-71 Date
Amount of cement used (bags) 100 sks-18"; 175 sks-10"
Name of Service Co. Halliburton Service
COAL WAS ENCOUNTERED AT 705 FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water 30' and 92' Feet _____ Salt Water _____ Feet _____
Producing Sand 1st Salt Sand _____ Depth 1467' - 1475'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	32	Water-30'		
Red Rock			32	37			
Slate			37	49			
Lime			49	55			
Slate			55	79			
Lime			79	99	Water-92'		
Slate			99	101			
Sand			101	111			
Slate			111	167			
Lime			167	186			
Red Rock			186	192			
Lime			192	206			
Slate			206	214			
Lime			214	230			
Slate			230	233			
Coal			233	235			
Lime & Slate			235	275			
Slate			275	310			
Lime			310	330			
Slate & Lime			330	360			
Coal			360	363			
Slate & Lime			363	395			
Black Slate			395	415			
Lime & Slate			415	430			
Mapletown Lime			430	585			
Slate & Lime			585	705			
Pittsburgh Coal			705	711			Show Gas
Slate & Shells			711	711			

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			741	784			
Red Rock			784	789			
Slate & Shells			789	850			
Lime			850	870			
Red Rock			870	880			
Slate & Shells			880	930			
Lime			930	946			
Red Rock			946	954			
Slate & Shells			954	987			
Lime			987	1000			
Slate & Shells			1000	1045			
Coal			1045	1048			
Lime			1048	1062			
Slate & Shells			1062	1075			
Lime			1075	1115			
Slate & Shells			1115	1120			
Lime			1120	1195			
Slate & Shells			1195	1235			
Lime			1235	1291			
Slate			1291	1313			
Gritty Lime			1313	1320			
Slate & Shells			1320	1329			
Sand			1329	1335			Show of Gas 1332
Slate & Shells			1335	1350			
Sand			1350	1410			
Slate & Shells			1410	1464			Hole reduced - 1450 to 63/8" Steel Line measurement 1465
1st Salt Sand			1464	1477			
TOTAL DEPTH				1477			Gas pay zone 1467 to 1475

Date March 1, 1971

APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner

By Walter A. ...
 Manager, Land, Leasing and Right of Way