

COAL OWNED BY STATE OF WEST VIRGINIA

NEW LOCATION.....
 DRILL DEEPER.....
 ABANDONMENT.....

S 3.58
W 0.07

COMPANY THE MANUFACTURERS LIGHT AND HEAT CO.
 ADDRESS 800 UNION TRUST BUILDING PITTSBURGH-30-PA.
 FARM JAS. C. CLOUSTON NOW CALVERT
 TRACT _____ ACRES 84.84 LEASE No. 2278
 WELL (FARM) No. 1 SERIAL No. 2536
 ELEVATION (SPIRIT LEVEL) 1290'
 QUADRANGLE CAMERON S.E. 1/4
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Yesterman .30.
 ENGINEER'S REGISTRATION No. _____
 FILE No. _____ DRAWING No. Y-13-354
 DATE 1-25-1950 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. MARS-306-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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Cameron

Permit No. MARS-374-R

WELL RECORD

Tracye
Oil or Gas Well GAS
(KIND)

Company The Manufacturers Light and Heat Company
Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
Farm Sarah E. Carson Acres 100
Location (waters) _____
Well No. L-2536 Elev. 1290'
District Liberty County Marshall
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced January 4, 1960
Drilling completed May 24, 1960
Date Shot 5/31/60 From 2024' To 2280'
With Orifice Well Tester
Open Flow 2/10ths Water in 1/4 Inch
_____ /10ths Merc. in _____ Inch
Volume 789,000 Cu. Ft.
Rock Pressure 10 lbs. 48 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
13			
10 <u>3/4"</u>	<u>39'</u>	<u>249'</u>	Size of
<u>8 1/4" 5/8"</u>	<u>1269'</u>	<u>1269'</u>	
<u>6 5/8" 7"</u>	<u>2006'</u>	<u>2024'</u>	Depth set
<u>5 3/16</u>			
<u>3</u>			Perf. top
<u>2</u>			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 888 FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Feet THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pittsburgh	Coal	6	888	894			
Big Dunkard	Sand	95	1373	1468			
Maxton	Sand	40	1876	1916			
Big Lime			2020				
Big Injun	Sand			2308			
Old 7" Casing		18	2006	2024			
Set 7" Shoe				2006			
Plug Back to				2280			
<p>Run 39' of new 10-3/4" Casing and screwed on to 210' of old, Left in the Hole. 2006' of new 7" set on top of 18' of old 7" left in the Hole. 8" Cement Job on 5-2-60 filled up to 740', Second 8" Cement Job on 5-5-60 did not come to Surface but the Hydrotan did surface.</p>							



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

350

WELL RECORD

Permit No. Mars-304-A

Oil or Gas Well X
(KIND)

Company The Manufacturers Light & Heat Company
Address 800 Union Trust Building, Pittsburgh, Pa.
Farm Jas. C. Clouston Acres 100
Location (waters) _____
Well No. 1-2536 Elev. _____
District Liberty County Marshall
The surface of tract is owned in fee by Sarah E. Carson, Agt.
40 S. Lincoln St. Address Washington, Pa.
Mineral rights are owned by The Mfrs. Light & Heat Co.
800 Union Trust Bldg. Address Pittsburgh, Pa.
Drilling commenced June 14, 1920
Drilling completed December 31, 1920
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			
10	251		Size of
8 1/4	1275	1275	
6 1/2	2028	2028	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

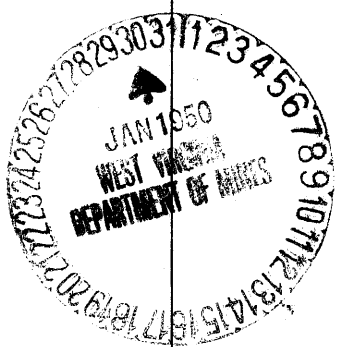
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

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

COAL WAS ENCOUNTERED AT 890 FEET 60 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		890	895			
Lime			895	990			
Sand			990	1005			
Red Rock			1005	1035			
Big Dunkard			1370	1420			
Gas Sand			1525	1580			
1st. Salt Sand			1760	1820			
2nd. Salt Sand			1870	1915			
Maxon Sand			1935	1975			
Pencil Cave			2012	2020			
Big Lime			2020	2056			
Big Injun			2056	2315			
Sand			2650	2665			
Shells			2780	2790			
Gordon Stray			2850	2860			
Gordon			2900	2925			
Shells			2950	2960			
Fifth Sand			2965	2970			
TOTAL DEPTH			2999				

Well connected up in
6-5/8" casing.
1st. Min. 3-6-9-12-15-
Rock Pressure 230.



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

Date JANUARY 26, 1950

APPROVED THE MANUFACTURERS LIGHT & HEAT CO., Owner

By *Paul Cooper* LAND AGENT.
(Title)

JAS. C. CLOUSTON NO. 1 (2536) WELL.

now 374

Liberty District, Marshall County, W. Va.

By The Manufacturers Light & Heat Co., 800 Union Trust Bldg., Pittsburgh, Pa.

Abandoned under permit Mars-----A?

On 100 acres.

Elevation, ' L.

Surface owned by Sarah E. Carson, Agent, 40 S. Lincoln St., Washington, Pa.,

and minerals by The Manufacturers Light & Heat Co., 800 Union Trust

Bldg., Pittsburgh, Pa.

Drilling commenced June 14, 1920; completed Dec. 31, 1920.

10" casing, 251' (pulled); 8 $\frac{1}{2}$ " 1275'; 6 $\frac{5}{8}$ " 2028'.

Well connected up in 6 $\frac{5}{8}$ " casing.

1st Min. 3-6-9-12-15; Rock pressure, 230 lbs.

Coal was encountered at 890-895'.

Casement wall. Record to Dept. of Mines dated Jan. 26, 1950.

Record to RCT from Mrs. Griffith March 6, 1950. Old File No. 350.

	Top.	Bottom.
Pittsburgh Coal	890	- 895
Line	895	- 990
Sand	990	- 1005
Red rock	1005	- 1035
Big Dunkard Sand	1370	- 1420
Gas Sand	1525	- 1580
1st Salt Sand	1760	- 1820
2nd Salt Sand	1870	- 1915
Maxton Sand	1935	- 1975
Pencil Cove	2012	- 2020
Big line	2020	- 2056
Big Injun Sand	2056	- 2315
Sand	2650	- 2665
Shells	2780	- 2790
Garden Stray Sand	2850	- 2860
Garden Sand	2900	- 2925
Shells	2950	- 2960
Fifth Sand	2965	- 2970
Total depth		2999