



COAL OWNED BY Everett F. Moore
Moundsville W. Va.

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

15'
 S. 277
 W 2.16

COMPANY The Manufacturers Light & Heat Co.
 ADDRESS 800 Union Trust Bldg. Pittsburgh Pa.
 FARM Nora Harsh
 TRACT _____ ACRES 300 LEASE NO. 19936
 WELL (FARM) NO. 3 SERIAL NO. 4051
 ELEVATION (SPIRIT LEVEL) 1037'
 QUADRANGLE Cameron
 COUNTY Marshall DISTRICT Sandhill & Webster
 ENGINEER A. C. Stewart
 ENGINEER'S REGISTRATION NO. _____
 FILE NO. _____ DRAWING NO. Y13-299
 DATE Sept 13 1949 SCALE 1" = 600'

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

WELL LOCATION MAP

FILE NO. MARS-210

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1" = 2,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.
 — DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Gas Well
CASING & TUBING

Permit No. Mars 210

Cameron Quad.

Company

The Manf. Light & Heat Co.

Address

Farm

Nora Harsh Acres 300

Cond. 16

16'

Well No.

4051 Elev.

10

525

525

District

Sand Hill Marshall County

8 1/2

1132

1132

Commenced

Sept. 12, 1949

4

1286

Completed

Sept. 29, 1949

Packer

Volume

8,500,000 C.F. 9-29-49

Gas Sand

Rock Pressure

515# 48 hrs.

Anchor Packer
Size 8 1/2 x 4
Depth 1265'

Clay	0	16
Shale	16	30
Lime	30	50
Slate	50	70
Lime	70	90
Coal	90	93
Lime	93	180
Slate	180	192
Coal	192	195
Slate	195	217
Lime	217	380
Slate	380	391
Lime	391	445
Slate & Lime	445	489
Pitts. Coal	489	495
Lime	495	610
Red Rock	610	619
Slate & Shells	619	760
Red Rock	760	770
Lime	770	795
Slate	795	814
Gritty Lime	814	840
Slate & Shells	840	860
Red Rock	860	867
Lime	867	875
Slate & Shells	875	895
Lime	895	922
Slate & Shells	922	1015
Sand	1015	1055
Slate & Shells	1055	1100
Black Slate	1100	1109
Sand	1109	1184
Slate & Shells	1184	1261
Sand <i>Gas Sand</i>	1261	
Gas	1266	1271
Total depth		1272

gas
257

Steel line run at 495'; 1 1/2 blrs. W in coal per hr.

Steel line run at 1121'

Steel line run at 1266'

4" tubing record

Perforation 6" 0"

8 1/2 x 4" Anchor Packer

21 jts. tubing 1267' 6"

1273' 6"

Add for threads 12' 10"

Total 1286' 4"

PRESSURE IN MINUTES

1	5	10	30	60	24 hr	48 hrs.
370	405	414	425	436	504	515