

30132

C.O.P.I.

COAL OWNED BY M. A. Hanna Coal Company

- NEW LOCATION
- RECONDITION ~~of~~ Redrilled
- 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 200
 Signed Robert M. Heill 361-E (JF)

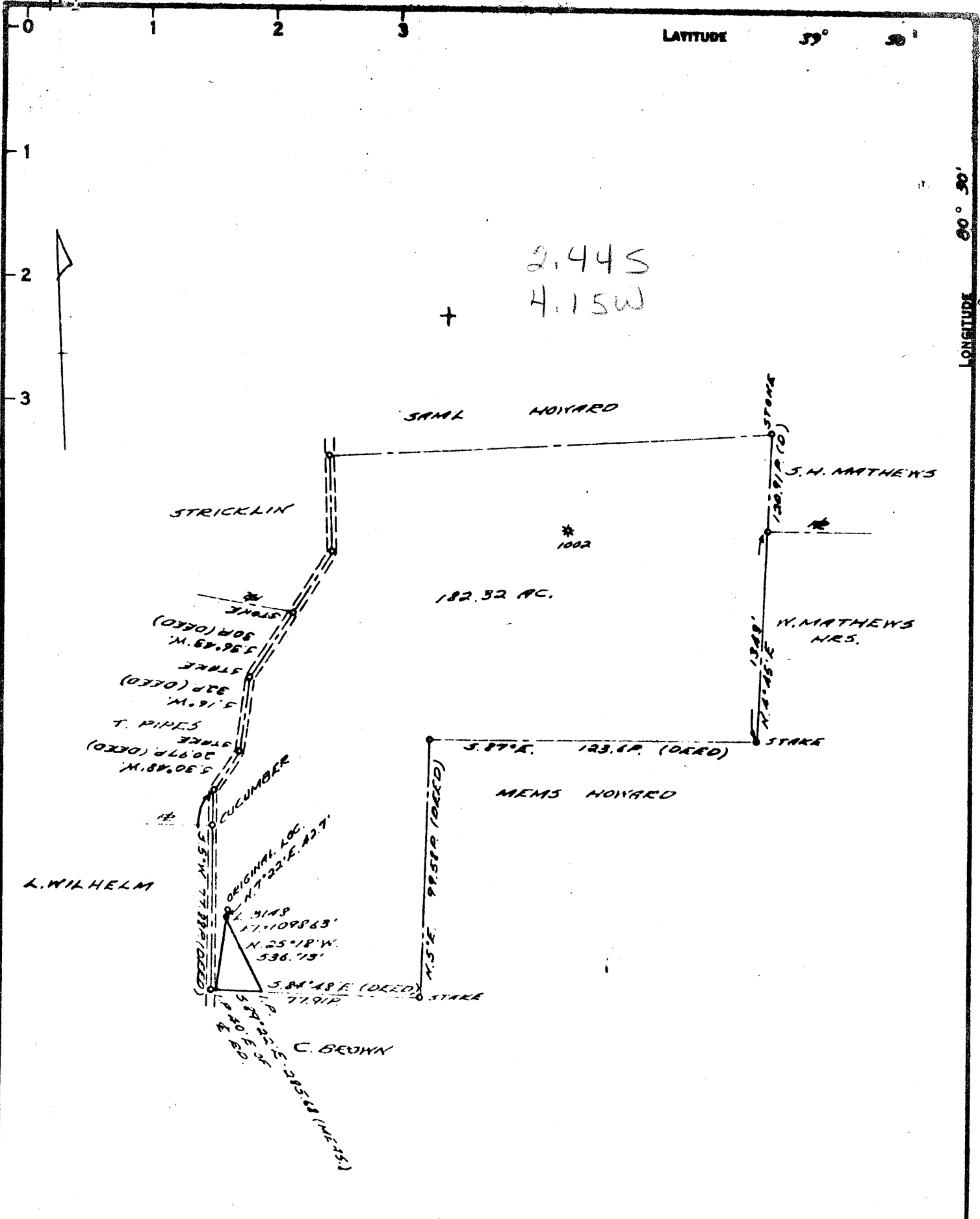
issued 3/24/72

| | | | |
|---------------------------|--|-------------|----------------------|
| COMPANY | <u>The Manufacturers Light And Heat Company now: Columbia Gas Transmission Corp.</u> | | |
| ADDRESS | <u>800 Union Trust Bldg. Pittsburgh, Penna.</u> | | |
| FARM | <u>L. H. & E. M. McCormick.</u> | | |
| MAP | <u>0-25/24</u> | ACRES | <u>177</u> |
| WELL (FARM) NO. | <u>3</u> | SERIAL NO. | <u>2870</u> |
| ELEVATION (SPIRIT LEVEL) | <u>1098.63'</u> | | |
| QUADRANGLE | <u>Cameron 15' SE</u> | | |
| COUNTY | <u>Marshall</u> | DISTRICT | <u>Liberty MEALS</u> |
| POINT OF PROVEN ELEVATION | <u>U.S.G.S. B.M. D-127</u> | | |
| FILE NO. | <u>June 13, 1963</u> | DRAWING NO. | <u>V-25-316</u> |
| DATE | | SCALE | <u>1" = 800'</u> |

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

FILE NO. MARS-412-R-P
HOLE No. 2

+ 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.



COAL OWNED BY M. A. Hanna Coal Company

- NEW LOCATION
- RECONDITION & Redrilled
- 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 200

Signed Robert R. Hill 361-E (JF)

| | | | |
|---------------------------|---|-----------------|------------------|
| COMPANY | <u>The Manufacturers Light And Heat Company</u> | | |
| ADDRESS | <u>800 Union Trust Bldg. Pittsburgh, Penna.</u> | | |
| FARM | <u>L. H. & E. M. McCormick</u> | | |
| MAP | <u>0-25/24</u> | ACRES | <u>177</u> |
| | | LEASE NO. | <u>2870</u> |
| WELL (FARM) NO. | <u>3</u> | SERIAL NO. | <u>L-3148</u> |
| ELEVATION (SPIRIT LEVEL) | <u>1098.63'</u> | | |
| QUADRANGLE | <u>Cameron</u> | <u>15' SE</u> | <u>LIBERTY</u> |
| COUNTY | <u>Marshall</u> | DISTRICT | <u>Liberty</u> |
| POINT OF PROVEN ELEVATION | <u>U.S.G.S. B.M. D-127</u> | | |
| FILE NO. | DRAWING NO. | <u>Y-25-316</u> | |
| DATE | <u>June 13, 1963</u> | SCALE | <u>1" = 800'</u> |

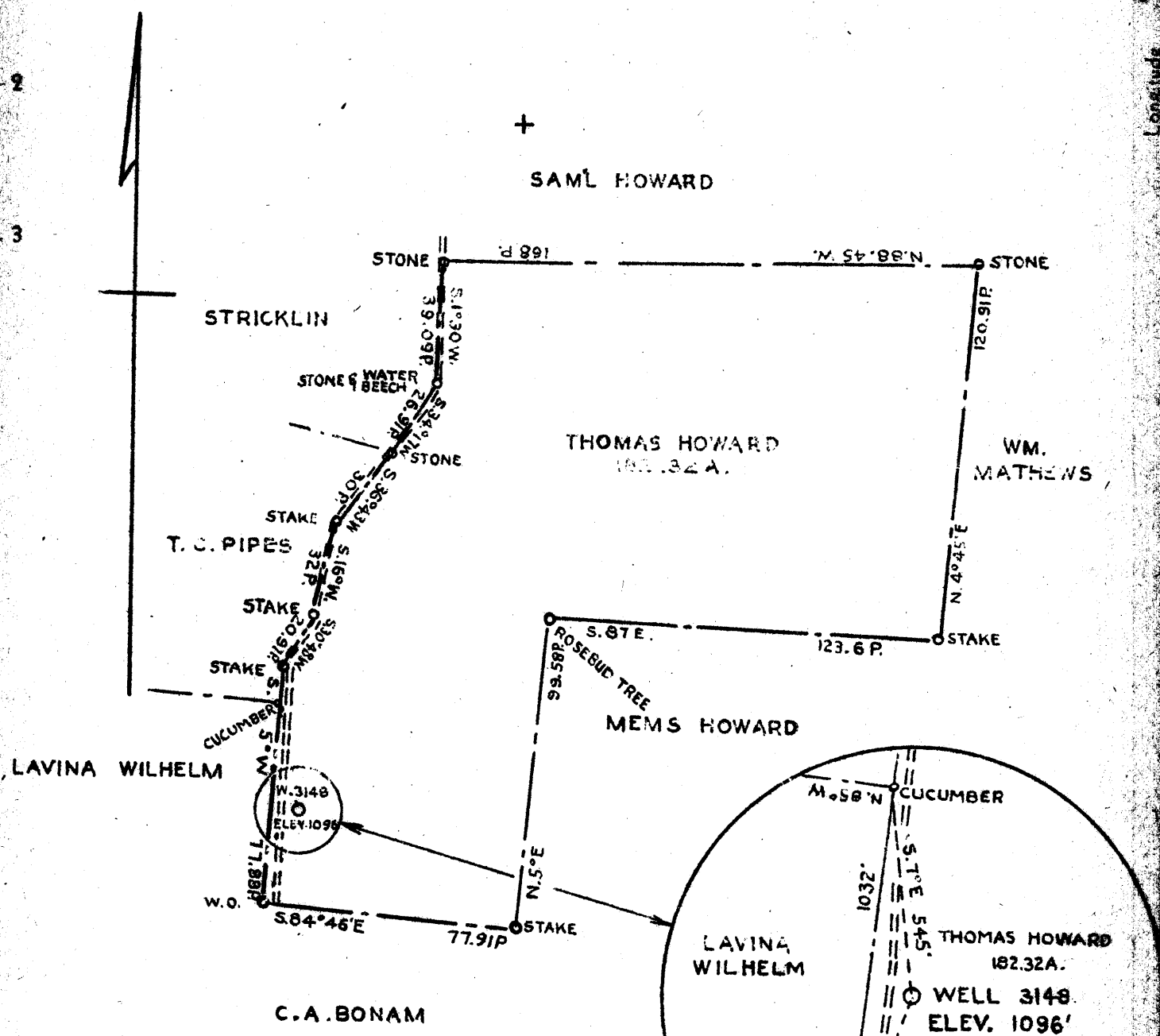
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP

FILE NO. MARS-412-R
HOLE No. 2

+ 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.

Longitude 80° 35'



COAL OWNED BY STATE OF WEST VIRGINIA

New Location
 Drill Deeper
 Abandonment

2.40S
 4.13W ✓
 4.21W
 2.41S
 SEP - 1940

Company THE MANUFACTURERS LIGHT & HEAT CO.
 Address 600 UNION TRUST BLDG. PITTSBURGH PA.
 Farm THOMAS HOWARD
 Tract Acres 182.32 Lease No. 2870
 Well (Farm) No. 3 Serial No. 3148
 Elevation (Spirit Level) 1096'
 Quadrangle CAMERON S.E.
 County MARSHALL District LIBERTY
 Engineer J. H. Mercer
 Engineer's Registration No.
 File No. Drawing No. Y-8-852
 Date AUGUST 20 1940 Scale 1"=400'

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

WELL LOCATION MAP
 File No. MARS-132A →

+ 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.

4/2 acw

(Handwritten initials)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 16

Quadrangle Cameron

Permit No. MARS-412-R

WELL RECORD

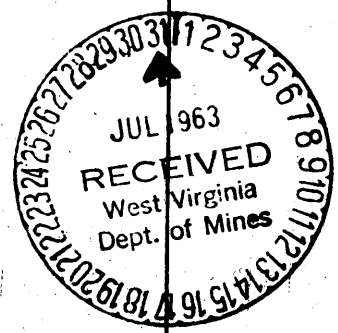
Storage
Oil or Gas Well GAS
(KIND)

Company The Mfrs. Lt. and Ht. Co.
 Address 800 Union Trust Bldg., Pittsburgh 19, Pa.
 Farm L.H. & E. M. McCormick Acres 177
 Location (waters) _____
 Well No. 3148 (Hole No. 2) Elev. 1098.63'
 District Liberty County Marshall
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced November 2, 1962
 Drilling completed December 18, 1962
 Date Shot 12/18/62 From Big Dunkard
 With Orifice Gas Well Tester
 Open Flow 3.0/10ths Water in _____ 1/2 Inch
 _____ /10ths Merc. in _____ Inch
 Volume 10,419 Cu. Ft.
 Rock Pressure 240 lbs. 72 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 | | | Kind of Packer |
| 16 | | | |
| 18 <u>3/8"</u> | 126' | 126' | |
| 10 | | | Size of |
| 8 1/2" <u>5 1/2"</u> | 788' | 788' | |
| 8 1/2" <u>5 1/2"</u> | 1673' | 1673' | Depth set |
| 5 3/16 | | | |
| 8 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 732 FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

| Formation | Color | THICKNESS | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---------------------------------|-------|-----------|------|--------|-------------------|-------------|---------|
| Pittsburgh Coal | | | 732 | 738 | | | |
| Murphy Sand | | | 847 | 868 | | | |
| Big Dunkard Sand | | | 1225 | 1305 | | | |
| First Salt Sand | | | 1430 | 1456 | | | |
| Second Salt Sand | | | 1526 | 1538 | | | |
| Total Depth | | | | 1673 | | | |
| 5 1/2" Casing Shoe Set @ | | | | 1673 | | | |
| 5 1/2" x 8" Anchor Packer Set @ | | | | 1415 | | | |



This hole was drilled as hole No. 2 for Well No. 3148 since Hole No. 1 Well No. 3148 could not be cleaned out to Total Depth. To be used as an observation Well. If the Salt Sands or the Big Dunkard Sand would become charged with Storage Gas, it will be due to leakage in hole No. 1, Well No. 3148, and Hole No. 1 Well No. 3148 will have to be reconditioned.

Drilled 17 1/4" Hole to 126'. Run 126' of 13 3/8" Casing, Sm. Gr. H48# and Cemented it with 200 Bags of Cement 14.5 PFG. Good return of Cement at the Surface.

Drilled 12 1/4" Hole with Air to 808'. Run 794' of 8 5/8" Casing, Sm. Gr. J 24# on a float shoe set at 788'. Cemented with 450 Bags of Cement 14.5 PFG. Good Return of Cement at the Surface.

Drilled 7 7/8" Hole with Air to 1382'. Changed to Gas and Drilled to Total Depth of 1673'. Run 1651' of 5 1/2" Casing, Sm. Gr. J 17# set on Bottom

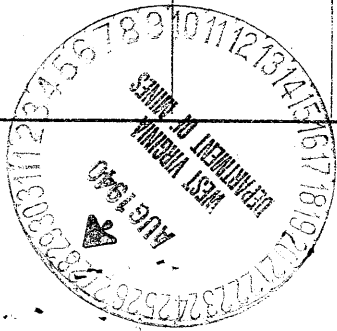
| Formation | Color | Hard or Soft | Top <i>16</i> | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------|-------|--------------|---------------|--------|-------------------|-------------|--|
| | | | | | | | at 1673'. 5 1/2" x 8" Parmco Anchor Packer Set at 1415'. 5 1/2" Casing Not Cemented. |

Date July 29, 1963

APPROVED The Mfgs. Lt. and Ht. Co., Owner

By Walter A. ...
 Land Agent (Title)

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



Date August 27th, 1940

APPROVED THE MANUFACTURERS LIGHT & HEAT CO. Owner

By HARRY H. FOWLER *H.H.F.*
Land Dept. (Title) Office Manager.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

185

132A → 412 →
1071

WELL RECORD

Permit No. Drilled in 1926

Oil or Gas Well Gas
(Kind)

Company The Manufacturers Light & Heat Co.
Address 800 Union Trust Bldg., Pittsburgh, Pa.
Farm Thomas Howard Acres 177
Location (waters) _____
Well No. 3 - 3148 Elev. _____
District Liberty County Marshall
The surface of tract is owned in fee by L. H. McCormick
RD 2 - Box 10 Address Cameron, W. Va.
Mineral rights are owned by The M. L. & H. Co.
800 Union Trust Bldg. Address Pittsburgh, Pa.
Drilling commenced 12/6/26
Drilling completed 1/18-27
Date shot _____ Depth of shot _____
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 and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | |
| 16 | | | Kind of Packer |
| 13 | | | |
| 10 | 180 | | Size of |
| 8 1/4 | 1235 | 1235 | |
| 6 5/8 | 1855 | 1855 | Depth set |
| 5 3/16 | | | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
COAL WAS ENCOUNTERED AT 435 FEET 60 INCHES
630 FEET 60 INCHES 730 FEET 60 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil Gas or Water | Depth Found | Remarks |
|------------------|-------|--------------|------|--------|---------------------|-------------|---------|
| Clay, Slate, etc | | | 0 | 435 | | | |
| Waynesburg Coal | | | 435 | 440 | | | |
| Mapletown Coal | | | 630 | 635 | | | |
| Pittsburgh Coal | | | 730 | 735 | | | |
| Murphy Sand | | | 925 | 940 | | | |
| Red Rock | | | 1085 | 1130 | | | |
| Little Dunkard | | | 1130 | 1170 | | | |
| Big Dunkard | | | 1230 | 1260 | | | |
| Salt Sand Shells | | | 1500 | 1578 | | | |
| Maxon Sand | | | 1700 | 1765 | | | |
| Little Lime | | | 1810 | 1820 | | | |
| Pencil Cave | | | 1820 | 1835 | | | |
| Big Lime | | | 1835 | 1885 | | | |
| Big Injun | | | 1885 | 2130 | | | |
| 30-Foot Shells | | | 2168 | 2540 | | | |
| Pink Rock | | | 2570 | 2630 | | | |
| 50-Foot | | | 2682 | 2700 | | | |
| Gordon Sand | | | 2730 | 2760 | | | |
| Total depth | | | | 2840 | | | |
| | | | | | Show of gas at 1755 | | |
| | | | | | Measured at 2733 | Steel line | |

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

RECEIVED

SEP 22 1972

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

| | |
|---|--|
| Consolidation Coal Company COAL OPERATOR OR OWNER Hanna Coal Company Division Cadiz, Ohio 43907 ADDRESS | Columbia Gas Transmission Corp. 800 Union Trust Bld. Pittsburgh, Pa. 15230 COMPLETE ADDRESS |
| COAL OPERATOR OR OWNER ADDRESS | August, 29, 1972 WELL AND LOCATION Liberty District Marshall County |
| LEASE OR PROPERTY OWNER ADDRESS | Well No. L-3148 (Hole # 2) L.H. & E. M. McCormick Farm |

STATE INSPECTOR SUPERVISING PLUGGING... Arthur Hull, Box 296, Hundred, W. Va. 26575

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Marshall } ss:

Phillip D. Whipkey and William A. Marling
being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Columbia Gas Transmission Corp., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of July, 1972, and that the well was plugged and filled in the following manner:

| SAND OR ZONE RECORD FORMATION | FILLING MATERIAL | PIPS USED SIZE & KIND | CASING | |
|--|------------------|--|------------|-------------|
| | | | CSG PULLED | CSG LEFT IN |
| 1673' | Total Depth | 13 3/8" | 0 | 0- 126' |
| 1005' | Bridge | 8 5/8" | 0 | 0- 788' |
| 1005' - 437' | Cement | 5" | 1685 | 0' |
| 437' - Surface | Aquagel | | | |
| COAL SEAMS (NAME) <u>Pittsburgh</u> | 732' - 738' | DESCRIPTION OF MONUMENT 8 5/8" casing was reduced to 2" with swage nipple and 5' of 2" was used as vent with 2" oil & 2" street oil on Plate bearing Co. name & well # was permanently affixed to vent. | | |
| (NAME) | | | | |
| (NAME) | | | | |
| (NAME) | | | | |

and that the work of plugging and filling said well was completed on the 22 day of August, 1972.

And further deponents saith not.

Sworn to and subscribed before me this 30th day of August, 1972.

My commission expires:
MY COMMISSION EXPIRES JULY 7, 1980

Phillip D. Whipkey
Arthur H. Marling
Arthur H. Marling

Notary Public.
Permit No. MARS-112-P C. MULL

now 1071