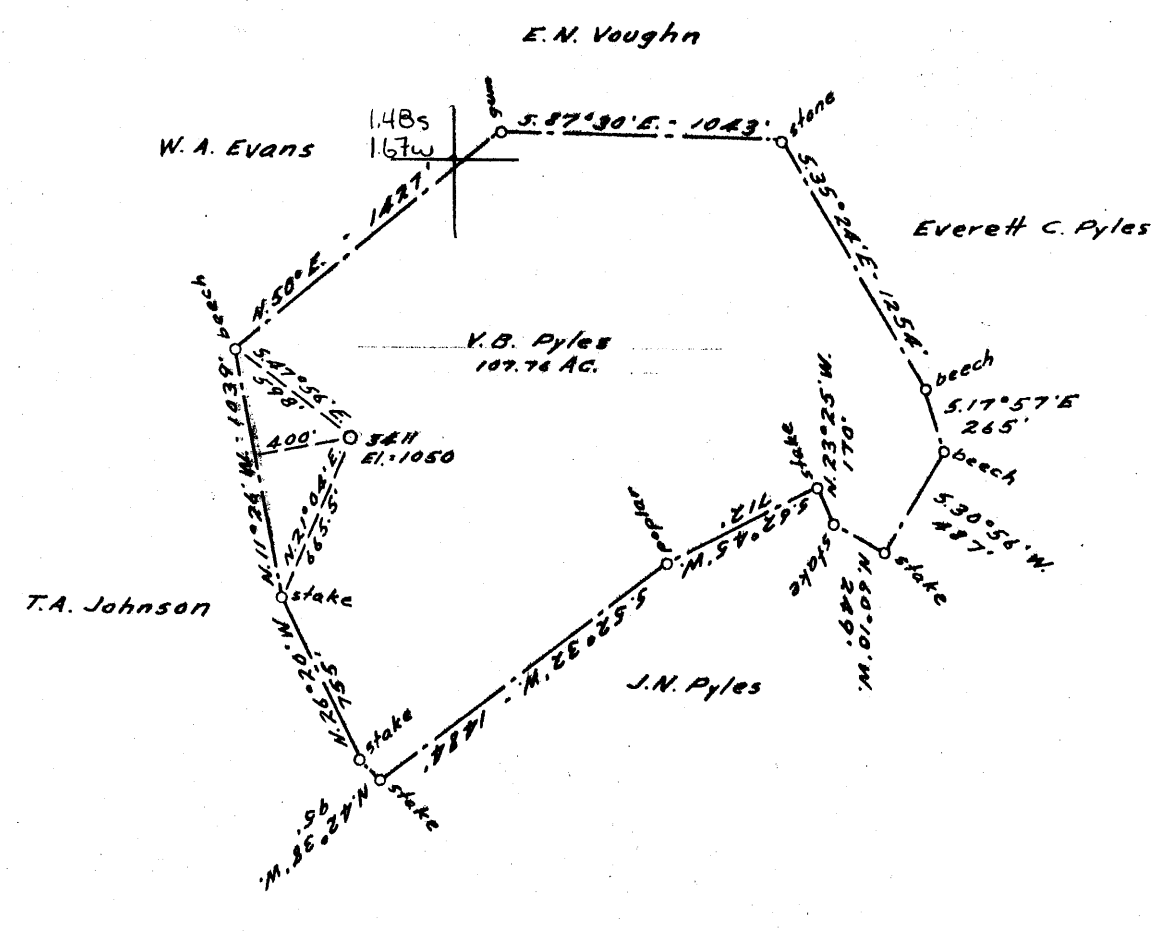


0 1 2 3 LATITUDE 39 ° 45' (both)

-1 1.62 S
1.74 W ✓
+

-2 LONGITUDE 80 ° 35' (both)

-3



COAL OWNED BY _____
Reconditioned

NEW LOCATION.....

DRILL DEEPER.....

ABANDONMENT.....

COMPANY The Manufacturers Light & Heat Co.

ADDRESS 800 Union Trust Bldg. Pgh. Pa.

FARM E. C. Pyles

TRACT _____ ACRES 108 LEASE NO. 26391

WELL (FARM) NO. 1 SERIAL NO. 3411

ELEVATION (SPIRIT LEVEL) 1050'

QUADRANGLE Littleton

COUNTY Marshall DISTRICT Liberty

ENGINEER Donald K. Bell - J.M.

ENGINEER'S REGISTRATION NO. _____

FILE NO. _____ DRAWING NO. Y-15-125

DATE 28 Oct 54 SCALE 1" = 800'

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

WELL LOCATION MAP

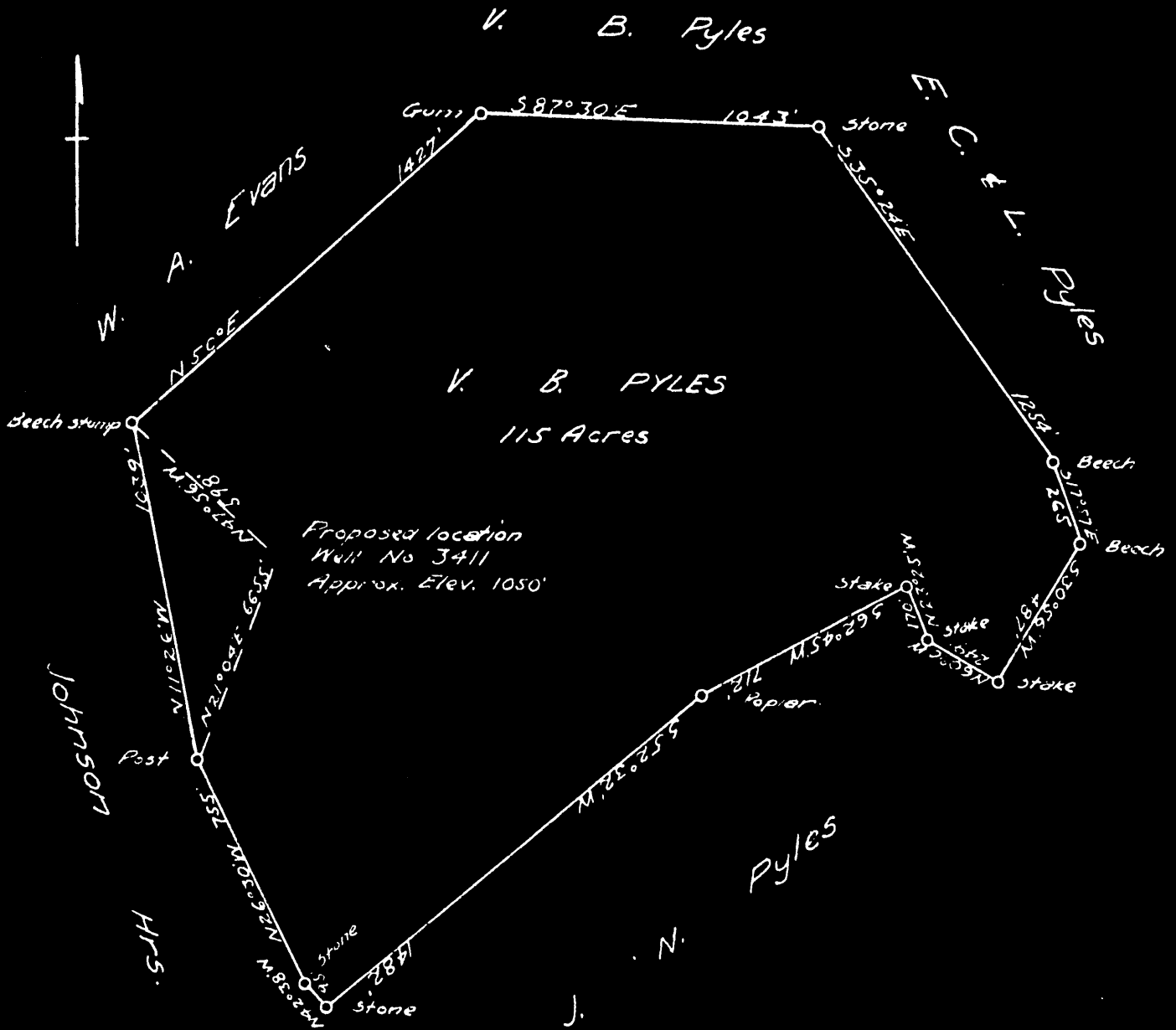
FILE NO. MARS-267-Redrill

+ 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.

PLAT OF THE PROPOSED LOCATION OF WELL NO. 3411 OF THE MANUFACTURERS LIGHT & HEAT CO. OF PITTSBURGH, PA. ON THE V. B. PYLES FARM CONSISTING OF 115 ACRES LOCATED IN LIBERTY DISTRICT, MARSHALL COUNTY, W. VA.

Bertha Coal & Coke Co, owns coal
Coal not operated



ENGINEERS CERTIFICATE

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS ALL THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF REQUIRED BY THE OIL AND GAS SECTION OF THE MINING LAWS OF WEST VIRGINIA

Donald K. Pyle
ENGINEER

ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC *[Signature]* OF AND FOR ALLEGANY COUNTY, STATE OF PENNSYLVANIA THIS 17 DAY OF Dec 1929

Marshall-18



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Sutton

WELL RECORD

Permit No. MARS-267-R

Oil or Gas Well Stor. _____
(KIND)

Company THE MANUFACTURERS LIGHT AND HEAT COMPANY

Address 800 Union Trust Bldg., Pgh., Penna.

Farm C. E. Pyles Acres 108

Location (waters) _____

Well No. 3411 Elev. 1050'

District Liberty County Marshall

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

Mineral rights are owned by _____
Address _____

Drilling commenced December 10, 1954

Drilling completed July 20, 1955

Date Shot _____ From _____ To _____

With _____

Open Flow _____ /10ths Water in _____ Inch

_____ /10ths Merc. in _____ Inch

Volume Not sufficient gas to test 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 _____
18			
10	359		Size of _____
8 1/4	1357		
7	1847		Depth set _____
5 3/16	2083		
8			Perf. top _____
2			Perf. bottom _____
Liners Used _____			Perf. top _____
			Perf. bottom _____

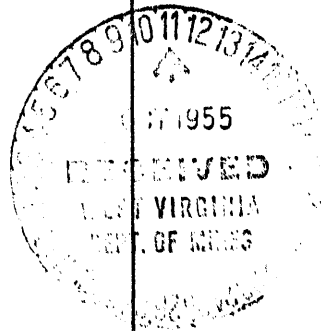
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 585 FEET INCHES

800 FEET INCHES 893 FEET INCHES

_____ FEET INCHES _____ FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Waynesburg Coal			585	590			Run 246' of 10 3/4" casing SM. GR. H.
Mapletown Coal			800	806			32.75 and connected it to 113' of
Pittsburgh Coal			893	900			original pipe with a steel die nipple.
2nd Salt Sand			1790	1826			Run 352' of 8-5/8" casing, SM. J55 24#
Maxon Sand			1938	1982			on an 8-5/8" x 8" Steel casing shoe and
Big Injun Sand			2052	2295			set on top of 1005' of original casing.
Total Depth			2290				Run 1847' of 7" casing, SM. J55. 20# on
				(375)			a steel shoe set at 1833'
							Cemented all three strings of pipe at
							one time with 400 bags cement and 8
							bags Aquagel. No return at surface.
							Ripped the 7" casing at 1050' and
							pumped 300 bags cement and 6 bags Aqua-
							gel. Good return of cement at surface.
							Run 2083' of 5 1/2" casing SM. J55 17# on
							a steel shoe set at 2065'. Cemented
							with 175 bags cement and 2 bags aquagel
							Good return of cement at surface.



Liberty District, Marshall County, W. Va.
 Manufacturers Light & Heat Co., 800 Union Tr. Bldg., Pittsburgh, Pa.
 On 115 acres, surface owned by V. B. Pyles, Bellton, W. Va., and
 mineral rights by ML&H Co., Pittsburgh, Pa.

Drilled under permit issued Jan. 7, 1931.

Elevation, 1050'.

5-3/16" casing, 2765'.

No packer. Casing not perforated.

No coal encountered. No liners used.

Completion reported to Dept. of Mines March 2, 1931. (DEEPENING)

Well was not shot.

Salt water at 2096'.

Originally gas well. (B.I.?)

Dry hole with deeper drilling.

	Top.	Bottom.
Big Injun Sand, white, hard (gas and water)	2056	- 2306
Slate, light, medium	2306	- 2320
Lime, white, hard	2320	- 2327
Slate, light, medium	2327	- 2425
Lime, white, gritty	2425	- 2435
Slate, dark, soft	2435	- 2500
Lime shells, white, hard	2500	- 2540
Slate, dark, soft	2540	- 2650
Shells, light, hard	2650	- 2680
Slate, dark, soft	2680	- 2725
Lime shells, white, hard	2725	- 2755
Slate, dark, soft	2755	- 2760
Lime, white, hard	2760	- 2770
Pink rock, hard	2770	- 2830
Slate, white, soft	2830	- 2900
Gordon Sand, white, hard (show of oil)	2900	- 2915
Slate, dark, soft	2928	- 2953
4th Sand, white, hard	2953	- 2961
Slate, light, soft	2961	- 2982
5th Sand, white, hard	2982	- 2988
Slate, dark, soft, to bottom	2988	- 3135

Liberty *Marshall*
Center District, Wetzel County, W. Va.

Marshall 18

By The Manufacturers Light & Heat Co., Pittsburgh, Pa.

Well was not shot.

Fresh water at 240'; salt water at 1823 and 2068'.

Gas well.

Preliminary data sheet missing. ?

	Top.	Bottom.	Thickness.
Sand, light, hard	70	- 100	30
Slate, light, hard (water)	240	- 340	100
Bluff Sand, light, hard	530	- 585	50
Waynesburg Coal, dark, soft	585	- 590	5
Lime, light, hard	590	- 800	210
Mapletown (Sewickley) Coal, dark, soft	800	- 806	6
Lime, light, hard	806	- 906	100
Pittsburgh Coal, dark, soft	906	- 915	9
Sand, light, hard	915	- 970	55
Murphy Sand, light, hard	1100	- 1125	25
Sand, light, hard	1350	- 1390	40
Big Dunkard Sand, light, hard	1450	- 1475	25
Freeport Coal, dark, soft	1475	- 1480	5
Gas Sand, light, hard	1560	- 1625	65
Salt Sand, light, hard (water at 1823')	1792	- 1835	43
Maxton Sand, dark, hard	1947	- 1995	48
Pencil Cave, dark, soft	1995	- 2002	7
Big Lime, light, hard	2002	- 2056	54
Big Injun Sand, light, hard (water at 2068'; gas at 2080')	2056		
Total depth		2096	