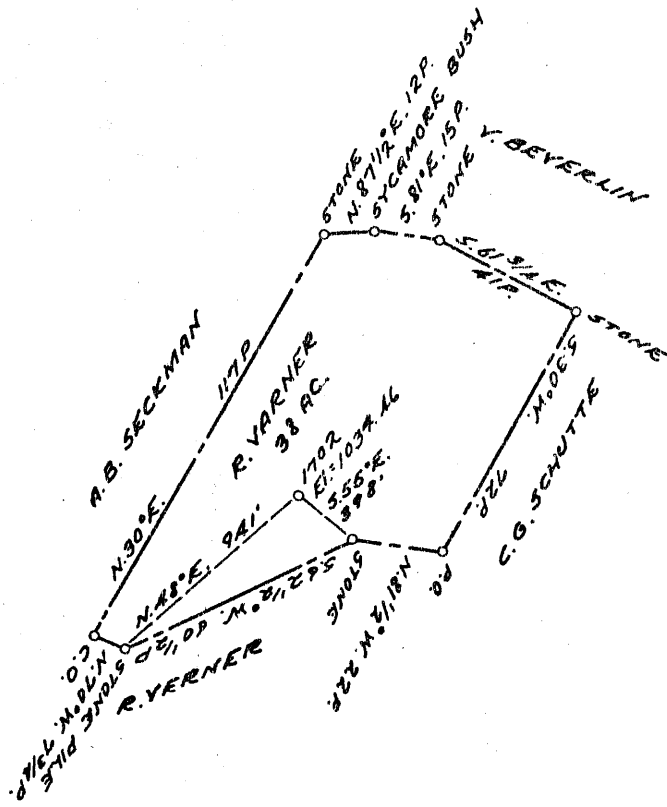


0
-1
-2
-3



COAL OWNED BY _____

NEW LOCATION

DRILL DEEPER

ABANDONMENT

COMPANY THE MANUFACTURERS LIGHT & HEAT

ADDRESS 800 UNION TRUST BLDG. PENN. PD.

FARM RAYMOND VARNER

TRACT _____ ACRES 38 LEASE No. 4680

WELL (FARM) No. 1 SERIAL No. 1702

ELEVATION (SPIRIT LEVEL) 1034.76

QUADRANGLE CENTERPOINT

COUNTY OODRIDGE DISTRICT MCCLELLAN

ENGINEER Robert McNeill (G.E.A.)

ENGINEER'S REGISTRATION No. 361-E

FILE No. _____ DRAWING No. Y-15-548

DATE 17 JUNE 1957 SCALE 1" = 800'

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

WELL LOCATION MAP

FILE No. DOD-1073-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

11022

WELL RECORD

Quadrangle Centerpoint
Permit No. 1073-A

Oil or Gas Well Gas

(KIND)

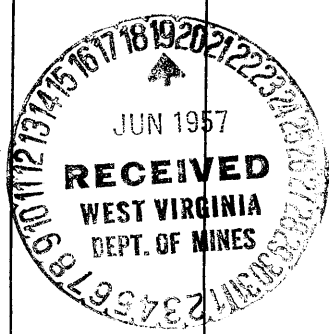
Company THE MANUFACTURERS LIGHT AND HEAT CO.
Address 800 UNION TRUST BUILDING, PGH., PA.
Farm Raymond Varner Acres 38
Location (waters) _____
Well No. 1702 Elev. 1034.76
District McClellan County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced February 16, 1914
Drilling completed April 22, 1914
Date Shot _____ From _____ To _____
With _____
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			Kind of Packer
16			
13			
10	380'		Size of
8 1/4	1201'3"	1201'3"	
6 5/8	1964'4"	1964'4"	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 _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water THICKNESS	Depth Found	Remarks
Pgh. Coal			650	660	10		
Little Dunkard			1070	1080	10		
Big Dundard			None				
Gas Sand			1214	1255	41		
1st Salt Sand			1340	1380	50		
2nd Salt Sand			1525	1610	85		
3rd Salt Sand			1700	1780	80		
Maxon			1820	1840	20		
Little Lime			1910	1930	20		
Pencil Cave			1930	1945	15		
Big Lime			1945	2030	85		
Big Injun			2030	2112	82		
Squaw			2115	2160	45		Gas 2035 Gas 2055
Berea			2200	2303	103		
Gantz			2303	2430	127		
Fifty Foot			2505	2530	25		
Thirty Foot			2535	2665	130		Water 2660
Gordon Stray			2720	2730	10		
Gordon			2730	2742	12		
Fourth			2762	2767	5		
Fifth			2885	2890	5		Total Depth 2906'
Slate	White	Soft	0	50	50		
Lime	White	Hard	50	75	25		
Slate	Black	Soft	75	125	50		
Lime	White	Hard	125	200	75		
Red Rock	Red	Soft	200	210	10		
Lime	White	Hard	210	300	90		
Slate	Black	Soft	300	320	20		
Sand	Brown	Hard	320	365	45		
Slate	Black	Soft	365	385	20		
Lime	White	Hard	385	440	55		
Slate	White	Soft	440	460	20		
Lime	White	Hard	460	500	40		
Red Rock	Red	Soft	500	510	10		
Lime	White	Hard	510	550	40		
Slate	White	Soft	550	620	70		
Lime	White	Hard	620	650	30		



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<i>Putnam</i> Slate	Black	Soft	657 660	660 680			
Sand	White	Hard	690	740	60		
Slate	Black	Soft	740	780	40		
Lime	White	Hard	780	820	40		
Slate	White	Soft	820	830	10		
Lime	White	Hard	830	845	15		
Slate	Black	Soft	845	900	55		
Lime	White	Hard	900	955	55		
Red Rock	Red	Soft	955	970	15		
Slate	White	Soft	970	1005	35		
Lime	White	Hard	1005	1050	45		
Sand	White	Hard	1050	1065	10		
Slate	Black	Soft	1065	1100	35		
Slate & Shell		Soft	1100	1180	80		
Lime Shells & Slate			1180	1220	40		
Lime Shells & Slate			1220	1240	20		
Gas Sand	1240	1255	15				
Slate & Lime Shells		Hard	1255	1280	25		
Lime	White	Hard	1280	1340	60		
Slate	White	Hard	1390	1410	20		
Slate	Black	Soft	1410	1430	20		
Slate	White	Soft	1430	1445	15		
Lime	White	Hard	1445	1460	15		
Black Slate	Black	Soft	1460	1470	10		
Slate	Black	Soft	1470	1500	30		
Slate	White	Hard	1500	1510	10		
Lime	White	Hard	1510	1525	15		
Slate	Black	Soft	1610	1615	5		
Lime	Black	Hard	1615	1675	60		
Slate	Black	Soft	1675	1679	4		
Lime	Black	Hard	1679	1700	21		
Slate	White	Soft	1780	1820	20		
Slate	White	Soft	1840	1855	15		
Slate	Red	Soft	1855	1910	55		
Slate	Black	Soft	2112	2115	3		
Slate	Black	Soft	2160	2200	40		
Slate	Black Soft	2430	2505	75			
Slate	Black	Soft	2530	2535	5		
Slate	White	Soft	2665	2685	20		
Sand	White	Hard	2685	2700	15		
Slate	White	Soft	2700	2720	20		
Slate	White	Soft	2742	2762	20		
Slate & Shells			2767	2885	118		
5 Sand			2885	2890	5		
TOTAL DEPTH			2906				

Date June 18, 19 57

APPROVED THE MANUFACTURERS LIGHT AND HEAT CO. Owner

By Walter A. Martin
(Title) Land Agent