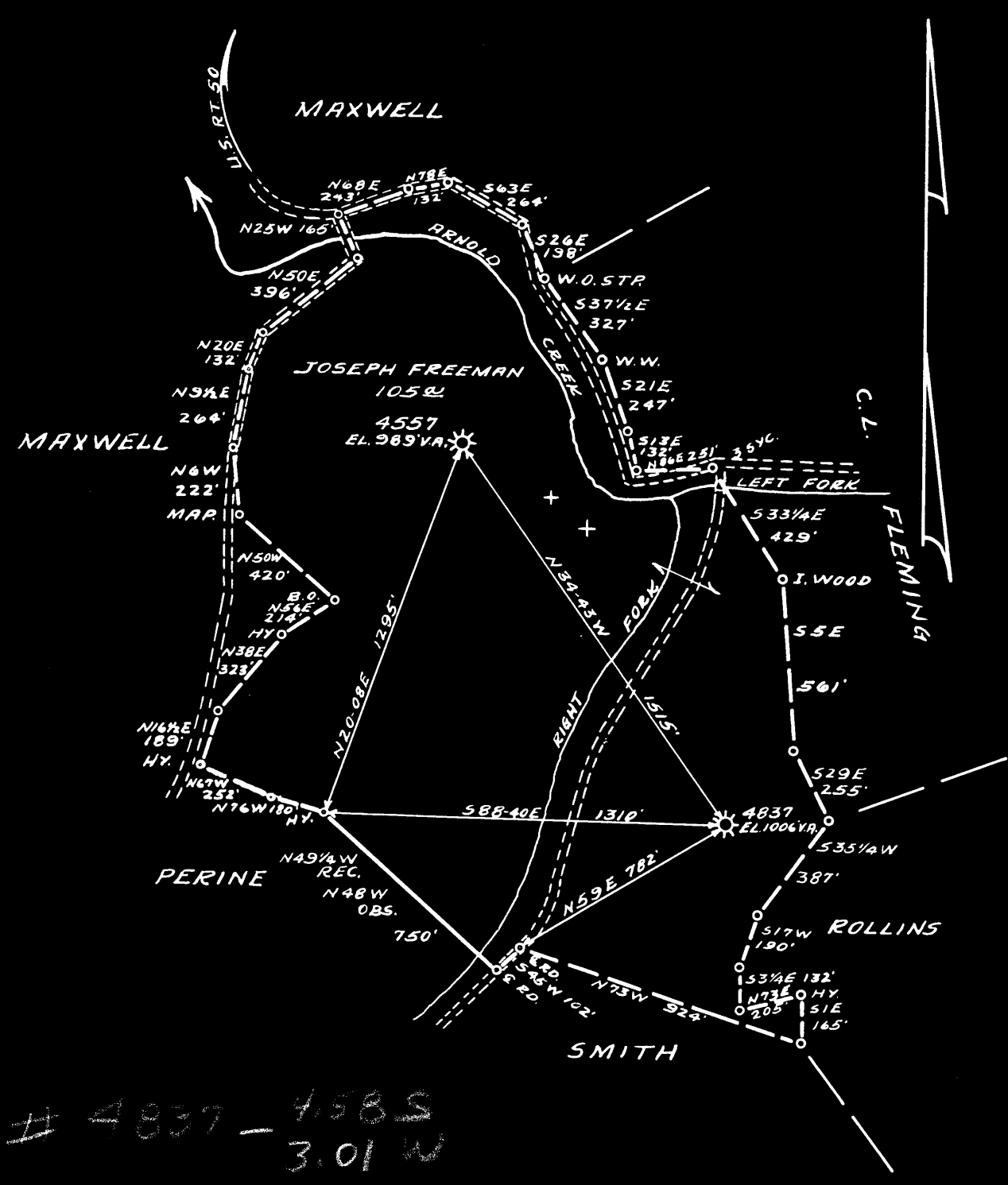


Latitude 39° 20' Longitude 80° 45'



4837 - 4585
3.01 W

New Location # 4837 436 S
 Drill Deeper
 Abandonment 4837 3.25 W

Company PITTSBURGH & W.VA. GAS CO.
 Address CLARKSBURG, W.VA.
 Farm JOSEPH FREEMAN
 Tract _____ Acres 95 Lease No. 7496
 Well (Farm) No. 162 Serial No. 4557
 Elevation (Spirit Level) AS SHOWN
 Quadrangle WEST UNION S.E. 43
 County DODDRIDGE District WEST UNION
 Engineer Kenneth B. Moore
 Approved By [Signature]
 Engineer's Registration No. 764
 File No. V.160 P.59 Drawing No. _____
 Date OCT. 12, 1948 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-720-A-#4837

+ 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

652

WELL RECORD

Permit No. 700 H

Oil or Gas Well **"GAS"**
(KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.
Farm Joseph Freeman Acres 95
Location (waters) West Union S/E. 4-3
Well No. 4437 Elev. 1006' VA
District West Union County Doddridge
The surface of tract is owned in fee by Howard Maxwell
P.O. Box 97 Address West Union, W. Va.
Mineral rights are owned by J.P. Summers-Administrator
Joe. Freeman, deceased Address West Union, West Va.
Drilling commenced October 16, 1922
Drilling completed December 6, 1922
Date Shot _____ From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10	664'	664'	Size of
8 1/4	1108'	1108'	
6 3/8	1268'	Pulled.	Depth set
5 3/16	1331'	1331'	
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 65 FEET 24 INCHES
280 FEET 60 INCHES 1445 FEET 60 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	Yellow	Soft	0	20			
Lime	White	Hard	20	65			
Coal			65	67			
Lime	White	Hard	69	100			
Slate	Red	Soft	100	150			
Lime	White	Hard	150	200			
Red Rock	Red	Soft	200	250			
Slate	White	"	250	280			
Coal			280	285			
Lime	White	Hard	285	300			
Slate	"	Soft	300	350			
"	Red	"	350	405			
Sand	White	Medium	405	500			
Slate&Lime	"	Hard	500	664			
Lime	"	"	664	680			
Slate	Red	Soft	680	740			
Slate&Lime	White	Medium	740	830			
Lime	"	Hard	830	870			
Slate	Red	Soft	870	1000			
Lime	White	Hard	1000	1020			
Slate	"	Soft	1020	1035			
Sand	"	Hard	1035	1050			
Slate	"	Soft	1050	1090			
Lime	"	Hard	1090	1130			
Slate	"	Soft	1130	1145			
Gas Sand	"	Medium	1145	1285			
Slate	"	Soft	1285	1310			
1st. Salt Sand	"	Medium	1310	1425			
Slate	"	Soft	1425	1445			
Coal	Black	Soft	1445	1450			
Slate&Lime	Dark	Medium	1450	1595			
2nd. Salt Sand	White	Hard	1595	1632			
Slate&Lime	Dark	Medium	1632	1673			
Sand	White	Hard	1673	1693			
Slate	Dark	Soft	1693	1720			
Mixed Sand	White	Hard	1720	1763	Water	1745'	
Slate&Lime	Dark	"	1763	1833			
Little Lime	White	"	1833	1861			
Pencil Cove	Dark	Soft	1861	1869			

(Over)

SEP 27 1949

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Linn	White	Hard	1869	1946			
Big Linn Sand	"	"	1946	2018	Gas	1961-1964'	
Slate	Dark	Soft	2018	2060	Gas	2007-2011'	
Total depth.....				2060			

Date **January 21, 1946**, 19

PITTSBURGH & WEST VA GAS COMPANY.

APPROVED _____, Owner

By *W. G. Masten*
(Title)

West Union District, Doddridge County, W. Va.
 By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.
 Abandoned under permit Dod-----A7
 On 95 acres; West Union S/E 4-3.
 Elevation, 1005' V. A.
 Surface owned by Howard Maxwell, Box 97, West Union, W. Va., and
 minerals by J. P. Summers, Administrator, Joseph Freeman, Deceased,
 West Union, W. Va.
 Drilling commenced Oct. 16, 1922; completed Dec. 6, 1922.
 10" casing, 664'; 8 1/4", 1108'; 6 1/2", 1848' (pulled); 5 1/2", 1881'.
 Coal was encountered at 65-67, 280-285, and 1445-1450'.
 Gas well. Record to Dept. of Mines dated January 21, 1946. Stamped,
 Jan. 13, 1949.
 Record to RCT from Mrs. Griffith September 27, 1949. Old File No. 652.

	Top.	Bottom.
Mud, yellow, soft	0	20
Lime, white, hard	20	65
Coal	65	67
Lime, white, hard	67	100
Slate, red, soft	100	150
Lime, white, hard	150	200
Red rock, soft	200	250
Slate, white, soft	250	280
Coal	280	285
Lime, white, hard	285	300
Slate, white, soft	300	350
Slate, red, soft	350	405
Sand, white, medium	405	500
Slate and lime, white, hard	500	664
Lime, white, hard	664	680
Slate, red, soft	680	740
Slate and lime, white, medium	740	830
Lime, white, hard	830	870
Slate, red, soft	870	1000
Lime, white, hard	1000	1020
Slate, white, soft	1020	1035
Sand, white, hard	1035	1050
Slate, white, soft	1050	1090
Lime, white, hard	1090	1130
Slate, white, soft	1130	1145
Gas Sand, white, medium	1145	1285
Slate, white, soft	1285	1310
1st Salt Sand, white, medium	1310	1425
Slate, white, soft	1425	1445
Coal, black, soft	1445	1450
Slate and lime, dark, medium	1450	1595
2nd Salt Sand, white, hard	1595	1632
Slate and lime, dark, medium	1632	1673
Sand, white, hard	1673	1693
Slate, dark, soft	1693	1720
Marion Sand, white, hard (water, 1745')	1720	1763
Slate and lime, dark, hard	1763	1833
Little Lime, white, hard	1833	1861
Pencil Cave, dark, soft	1861	1869
Big Lime, white, hard	1869	1946
Big Injun Sand, white, hard (gas, 1961-1964' and 2007-2011')	1946	2018
Slate, dark, soft	2018	2060
Total depth		2060