

- Redrill.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

331

Company EQUITABLE GAS CO., W.VA. DIV.

Address CLARKSBURG, W.VA.

Farm ROBERT E. LEE et al

Tract _____ Acres 26 1/4 Lease # 25386

Well (Farm) No. 1 Serial No. 5432

Elevation (Spirit Level) 1109 VA.

Quadrangle LITTLETON SE 1st EC

County WETZEL District GRANT

Engineer JAMES D. JEFFRIES

Engineer's Registration No. 1084

File No. D19 - P90 Drawing No. _____

Date DEC. 13, 1960 Scale 1" = 300'

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

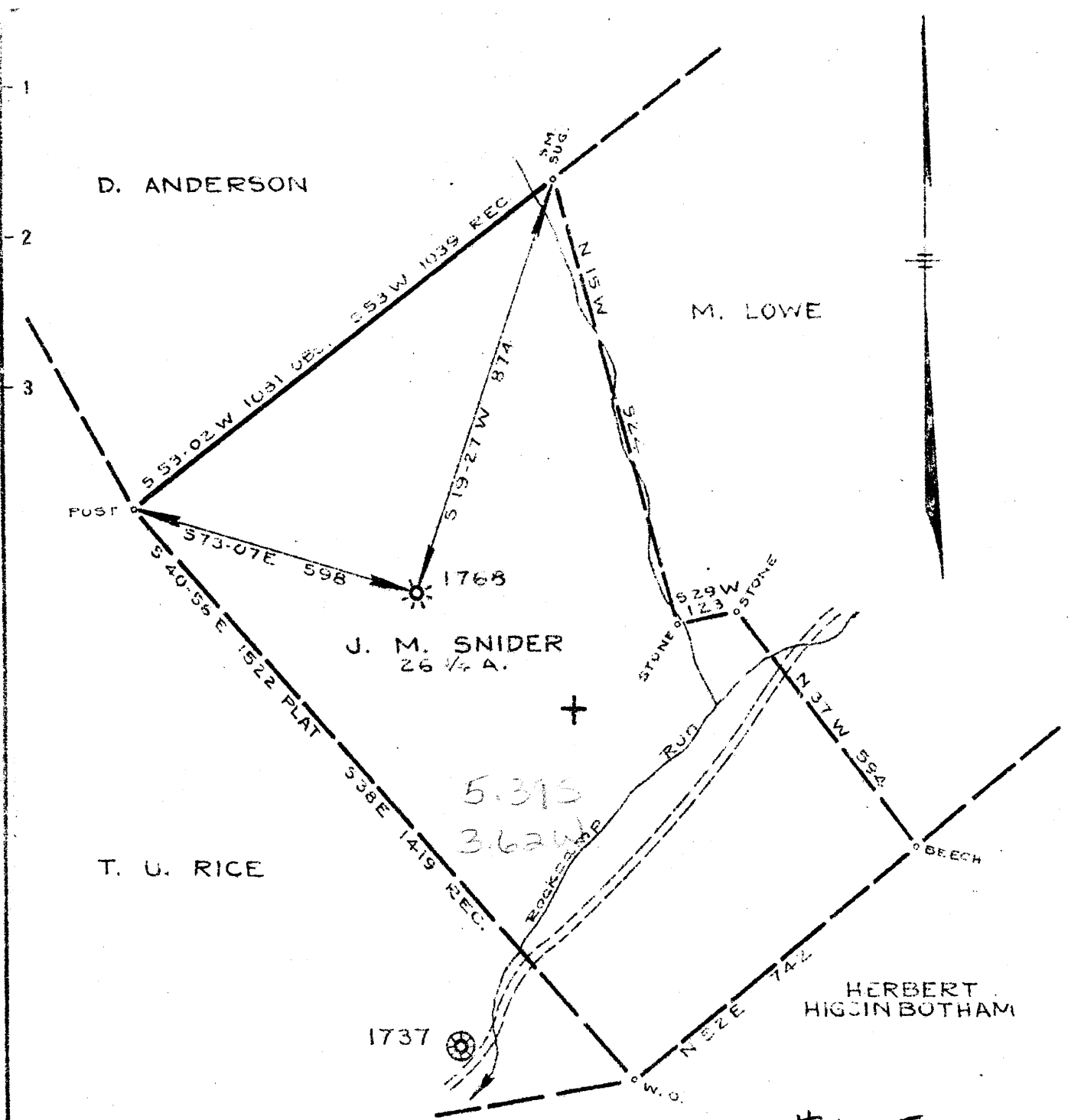
WELL LOCATION MAP

FILE NO. Wet-495-R

+ 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.

9-0 88 45



#495

add. Nov. 52

New Location
 Drill Deeper
 Abandonment

Company	PITTSBURGH & W. VA. GAS		
Address	CLARKSBURG, W. VA.		
Farm	J. M. SNIDER		
Tract	Acres	Lease No.	6209
Well (Farm) No.	ONE	Serial No.	1768
Elevation (Spirit Level)	1108.69' V.A.		
Quadrangle	LITTLETON S.E. 14		
County	WETZEL	District	GRANT
Engineer	<i>Kenneth B. Moore</i>		
Engineer's Registration No.			
File No.	D.19 - R.90	Drawing No.	
Date	9-27-1945	Scale	1" = 300'

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

WELL LOCATION MAP
 FILE NO. *Wet-331*

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HES



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton SE 1.4

Permit No. WET-495-R

WELL RECORD

Oil or Gas Well Gas Storage
(KIND)

REDRILL

Company Equitable Gas Company
Address 420 Blvd. of Allies, Pittsburgh 19, Pa.
Farm R. E. Lee Acres 27
Location (waters) Littleton SE 1.4
Well No. 5432 Elev. 1,109
District Grant County Wetzel
The surface of tract is owned in fee by H. R. Rice
New Cumberland Address West Virginia
Mineral rights are owned by R. E. Lee et al
Address Hundred, West Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	12	12	Kind of Packer Old Anchor
13			
10	18-New 1243-Old	1461	Size of
8 1/4	1246	1246	6-5/8" x 5-3/16"
6 3/4	1311	1311	Depth set 2050
5 3/16	2017-New 79-Old	2096	
3			Perf. top 2062
2			Perf. bottom 2074
Liners Used			Perf. top
			Perf. bottom

Redrilling commenced January 16, 1961
Redrilling completed March 15, 1963

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.

WELL ACIDIZED --

WELL FRACTURED --

CASING CEMENTED SIZE No. Ft. Date
(See below)

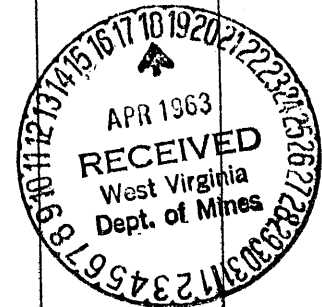
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT --

ROCK PRESSURE AFTER TREATMENT --

Fresh Water -- Feet Salt Water -- Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
✓Pittsburgh Coal			810	817			
✓Murphy Sand			920	997			
✓Big Dunkard Sand			1263	1297			
✓Gas Sand			1422	1502			
✓Salt Sand			1558	1575			
✓Salt Sand			1602	1630			
✓Salt Sand			1652	1664			
✓Salt Sand			1675	1766			
✓Salt Sand			1785	1804	2014		
✓Salt Sand			1807	1820	1107		
✓Salt Sand			1827	1838	905		
✓Maxton Sand			1962	1990			
✓Big Lime			2014	2054			
✓Big Injun Sand			2061	2091			
✓Big Injun Sand			2097	2109			
✓Big Injun Sand			2112	2119			
✓Big Injun Sand			2153	2276	2178		(Temperature)
Redrilled to				2288			
Cemented back			2120	2288			
Completed total depth				2120			



NOTE: Formerly Equitable plugged well No. 1768.
Located in Mopley Gas Storage Pool Area.
Log shown from Gamma Ray Survey, except where noted.
Aquagel around 10" from 18' to surface.
Aquagel around 8-1/4" from 1246' to surface.
Aquagel around 6-5/8" from 1311' to surface.
Cement around 5-3/16" from 2017' to 1200' with aquagel from 1200' to surface.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. ~~Wet 331~~ now wet 495

Gas Well
CASING & TUBING

Littleton Quad,	
Company	Pittsburgh & W.Va. Gas Company
Address	Clarksburg, W.Va.
Farm	J.M. Snider Acres 26 $\frac{1}{2}$
Location	Littleton S/E 1-4
Well No.	1768 Elev. 1108.69 VA
District	Grant Wetzel County
Surface	Herman R. Rice, Big Run, W.Va.
Mineral	Robert E. Lee, Hundred, W.Va.
Commenced	June 26, 1946
Completed	July 19, 1946
Open flow	28/10ths W in 3/4"
Volume	21,600 C.F.
Rock Pressure	48 lbs. 46 hrs.

Began drilling deeper at 2100'					
Big Injun Sand	Wh	Close-H	2060	2278	Gas 2169-2174' 60/10 W 3/4" Opng
Slate Shells	Dk	S	2278	2285	Gas 2215-2217' 3/4" Opng.

TOTAL DEPTH 2285

2060
1109

951

Record of Well No. 1768 Located on J. M. Snyder Farm May 1903
 Grant District Wetzel County W. Va. State
 Division D District No. 12 Drilled under well O 289
 Rigs built by John Craig Began May 18 1903 Completed Aug. 13 1903
 Well drilled by J. P. Fishell Began Sept. 28 1903 Completed Nov. 17 1903
 Depth of Well 2100 feet Size of Hole 6 5/8. Producing Gas.
 Elev: 1109

CASED WITH

REMARKS

AMOUNT	SIZE	KIND	REMARKS
16'	13 1/2"	Wood	
460'	10"	380 old 80 new	
13 1/2'	8 1/4"	New	
1858'	6 9/8"	"	
2107'	5 7/8"	"	1-6 9/8 X 5 7/8 Anchor Packer 386 44ft. anchor,

COAL VEINS Pgs 810 817

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Quartzite	1312	1330				
Sps. sand	1400	1476				
Salt	1550	1720				
"	1800	1920		1065		
Big Dipper	2060	2070		2070		

PRESSURE TEST IN 678 CASING

REMARKS

30 Sec.	25	lbs.	35 in 5 7/8 casg.
1 Min.	45	"	54
2 "	60	"	60
5 "	74	"	70
10 "	77	"	72
15 "	82	"	74
30 "		"	

June 1918 "H W 4" 378,400 ^{41-48 hrs.}

Rock Pressure 120-24 hrs in

Taken Jan. 30-1913 19

By

WELL TUBED AND PACKED 19

VIZ:-

FIRST PRESSURE TEST IN TUBING

REMARKS

30 Sec.	lbs.	
1 Min.	"	
2 "	"	
5 "	"	
10 "	"	
15 "	"	
30 "	"	
Rock Pressure	" in	
Taken		19
By		

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Timbers from Wm. Hofer.
 Lumber from Leroy Taylor.
 Irons " Phlg. Rig & Reel Co.
 Casings " South Chester Tube Works.
 Rebuilding Rig Jan. 1-1913
 5060 ft. Lumber 1600 Per M. 80.96 Dell Morris
 Old rig from Well 1610
 Lifting irons " "
 Aug wheel, con't & mails stock Littleton