

4.50 S
3.28 W

MINIMUM ERROR OF CLOSURE 1/500

SOURCE OF ELEVATION Well No 1, Smith & Zenkman - Elev. 910

New Location
 Drill Deeper
 Abandonment
 Issued 2-20-67

"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."

Company Charles E. Jenkinson, Jr.
 Address 106 Swissvale Ave., Pittsburgh, Pa
 Farm L.M. & E.B. Lee
 Tract 1 Acres 106 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 940
 Quadrangle West Union *NU*
 County Tyler District Meade
 Engineer Parker E. Peters
 Engineer's Registration No. 485
 File No. _____ Drawing No. _____
 Date Oct. 13, 1966 Scale 1" = 30 P.

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. Tyl-404-P

+ 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.

REVISED Well Record

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 10

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle West Union

Permit No. TYL-404

WELL RECORD

Oil or Gas Well (KIND)

Company Charles B. Johnston, Jr.
Address 106 E. Swissvale Avenue, Pittsburgh, Pa.
Farm L. M. & E. B. Lee Acres 1.06
Location (waters) Rush Fork
Well No. 2 Elev. 940'
District Meade County Tyler
The surface of tract is owned in fee by L. M. & E. B. Lee
Address Carnegie, Pa.
Mineral rights are owned by Raymond Lee
Address Carnegie, Pa.

Casing and Tubing Pa.	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	43'	43'	Size of
8 1/4	498'	Pulled	
2 3/4 7"	1308'	Pulled	Depth set
5 3/16	1597'	1597'	
4 1/2			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 12-20-66
Drilling completed 2-17-67
Date Shot 3-13 From 1730 To 1745
With 40 gr Nitro G 1/2
Open Flow 2 /10ths Water in 1 Inch
/10ths Merc. in Inch
Volume 26. M Cu. Ft.
Rock Pressure 145 lbs. 48 hrs.
Oil bbls., 1st 24 hrs.

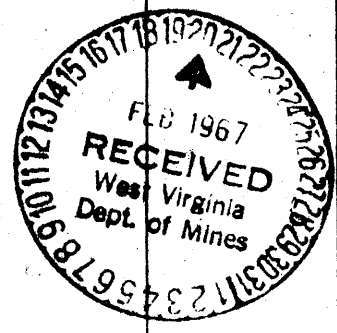
Attach copy of cementing record.
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co.
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL ACIDIZED (DETAILS)

WELL FRACTURED (DETAILS)

RESULT AFTER TREATMENT (Initial open Flow or bbls.) ^{shot} 4 1/2 in 1" water 23 MCF
ROCK PRESSURE AFTER TREATMENT ^{shot} 145 lbs. HOURS 48 hrs.
Fresh Water 1500 Feet Salt Water Feet
Producing Sand Maxon Depth 1725-1753

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay	Red	Soft	0	20			
Lime	White	Medium	20	70			
Shale	Red	Soft	70	200			
Shale	Gray	Soft	200	250			
Slate Shell	Gray	Medium	250	345			
Sand	White	Medium	345	365			
Shells	Gray	Medium	365	440			
Lime	Gray	Hard	440	510			
Slate & S.	Gray	Medium	510	580			
Lime	Gray	Hard	580	680			
Shale	Gray	Soft	680	715			
Lime shell	Gray	Medium	715	735			
Sand	Gray	Medium	735	760			
Slate	Gray	Soft	760	780			
Red Rock	Red	Soft	780	840			
Lime	Gray	Hard	840	850			
Shale	Gray	Medium	850	870			
Lime	Gray	Hard	870	895			
Sand	White	Hard	895	920			
Slate	Gray	Medium	920	935			
Sand	White	Medium	935	945			
Red Rock	Red	Soft	945	960			
Lime	Gray	Hard	960	995			
Slate	Gray	Medium	995	1040			
Lime	Gray	Hard	1040	1070			
Slate	Gray	Medium	1070	1140			
Lime	Gray	Hard	1140	1190			

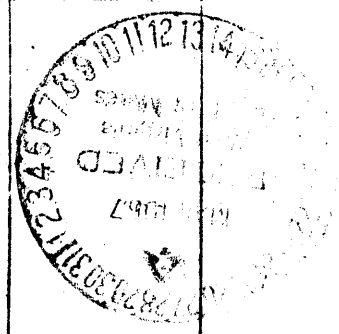


APR 10 1967

Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	White	Medium	1190	1315			
Slate	Gray	Medium	1315	1400			
Sand	White	Hard	1405	1450			
Shale	White	Hard	1450	1560	Water	1500'	
Shale	Pink	Medium	1560	1565			
Lime	Gray	Hard	1565	1572			
Shale	Black	Soft	1572	1593			
Lime	Black	Hard	1593	1600			
Sand	White	Hard	1600	1624			
Shale	Black	Soft	1624	1635			
Sand	White	Medium	1635	1645			
Slate	Black	Soft	1645	1670			
Sand	White	Hard	1670	1675			
Shale	Black	Medium	1675	1700			
Lime	White	Medium	1700	1705			
Slate	Black	Soft	1705	1725			
Lime (Maxton)	Black	Hard	1725	1733			
Sand	White	Hard	1733	1753			
Slate	Black	Medium	1753	1777			
Sand	White	Medium	1777	1782			
Big Lime	White	Hard	1782	1828			
Keener	White	Hard	1828	1856			
Sand, broken	Black	Medium	1856	1882			
Injun Sand	White	Medium	1882	1982			
Shale	Black	Medium	1982	1987			
Sand broken	White	Hard	1987	1989			
Lime, gritty							
broken	Black	Medium	1989	1992			
Sand	White	Hard	1992	2009			
Lime broken	Black	Medium	2009	2010			

total Depth 1750'
1782
940
842

Well Plugged Back in Compliance with the work order issued in
 See #2 well. Work Completed March 17, 1964.
 This well completed as a producing well in Maxton Sand.



Date _____, 19__

APPROVED _____, Owner
 By C. L. Hutter Supt.
 (Title)