

- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION USGS 644

Company CITIES SERVICE OIL COMPANY  
 Address Box 873, Charleston, W. Va.  
 Farm P.B. BEARNE  
 Tract PT. of 213.35<sup>±</sup> Acres 91.5 Lease No. WU-227  
 Well (Farm) No. A-1 Serial No. GW 1625  
 Elevation (Spirit Level) 1011.85  
 Quadrangle ST. ALBANS, W. VA. FC  
 County KANAWHA District UNION  
 Engineer Wendell S Moore  
 Engineer's Registration No. 2113  
 File No. \_\_\_\_\_ Drawing No. W-4-67  
 Date 6 APRIL 67 Scale 1" = 660'

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

WELL LOCATION MAP  
 FILE NO. KAN-2117

+ 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 4

Rotary   
Spudder   
Cable Tools   
Storage   
Oil or Gas Well  **Dry hole**  
(KIND)

Quadrangle St. Albans  
Permit No. KAN-2117

**WELL RECORD**

Company Cities Service Oil Company  
Address Box 873, Charleston, W. Va.  
Farm P. B. Beane Acres 213.35  
Location (waters) Rocky Branch  
Well No. "A" #1 Elev. 1011.85'  
District Union County Kanawha  
The surface of tract is owned in fee by P. B. Beane, etal  
Box 54 Address Sissonville, W. Va.  
Mineral rights are owned by same  
(for further add. contact C. S. O. Co)  
Address \_\_\_\_\_

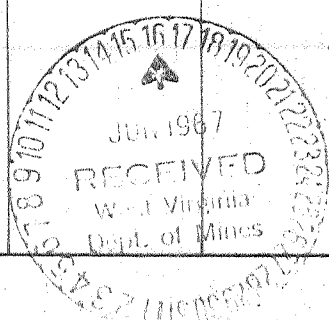
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			none
13 3/8" 48#	72'	72'	Size of
9-5/8" 32#	2270'	2270'	Depth set
8 1/4"			Perf. top
5 3/16"	5608'	5608'	Perf. bottom
4 1/2"			Perf. top
3"			Perf. bottom
2"			
Liners Used			

Drilling commenced 5-30-67  
Drilling completed 6-13-67  
Date Shot not shot From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume dry Cu. Ft. \_\_\_\_\_  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) not acidized  
WELL FRACTURED (DETAILS) not fractured

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

RESULT AFTER TREATMENT (Initial open Flow or bbls.) dry hole  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS \_\_\_\_\_  
Fresh Water 58' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	20			
Sand and Shale			20	620	F. W.	58'	
Sandy Lime and Shale			620	1072			
Sand and Lime			1072	1115			
Shale			1115	1220			5684
Broken Sand			1220	1265			993
Sand and Shale			1265	1320			4691
Sand			1320	1806			
Lime <u>Big Injun</u>			1806	1993			
Shale			1993	2011	water	2011-2015'	increased
Big Injun			2011	2224			
Shale			2224	3610			
Lime and Shale			3610	4725			
Shale			4725	4880			
Onondaga Lime			4880	4983			
Oriskany			4983	5045			
Helderberg Lime			5045	5171			
Lime			5171	5684	sour gas	5535-5542'	
Newburg Sand			5684	5707	(per electric logs)		
Total depth				5770'			



Formation	Color	Hard or Soft	Top <i>y</i>	Bottom	Oil, Gas or Water	Depth Found	Remarks
<b>CASING RECORD</b>							
5-30-67							Set and cemented 13-3/8" 48# H-40 new casing at 72' with 50 sacks regular cement with 4% Calcium Chloride.
6-3-67							Set and cemented 9-5/8" 32.3# H-40 new casing at 2270' with 352 sacks of 100 mix with 100 sacks of regular cement on bottom. Cement circulated to surface. Centralizers 2245', 2149', 2051', and 1956'
6-7-67							Set and cemented 7" 23# J-55 B-Grade casing at 5608' with 115 sacks of regular cement with 260 bbls. of gel with lost circulation material ahead of cement. Good circulation of gel. Centralizers 5575', 5474', 5374', 5276', 5175' and 5075' R/L nipple at 4294'. Insert at 5575'.
Cut Core #1			5670' to 5704-1/2'	Recovered 33-1/2'			
Cut Core #2			5704-1/2' to 5711'	Recovered 5'			
cut Core #3			5711' to 5714'	Recovered 2'			
6-14-67							Ran Schlumberger Logs: Gamma Ray, Caliper, Temperature, Compensated Formation Density, Sidewall Neutron Porosity and Induction Logs.

Date June 15, 19 67

APPROVED Cities Service Oil Company, Owner

By L. D. Todd, District Sup't  
(Title)

