

ACCURACY 1" IN 200'

New Location SOURCE ELEV. FORKS ROAD SOUTH 753.00
 Drill Deeper
 Redrill
 Abandonment 9-26-68

"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 SENECA OIL CO.
 Address OKLAHOMA CITY OKLA.
 Farm H. M. BOGGS ETAL
 Tract Acres 156 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 745.83
 Quadrangle SPENCER Period quod SW
 County ROANE District CURTIS
 Engineer G. J. Dye
 Engineer's Registration No. 804
 File No. _____ Drawing No. _____
 Date 2-17-64 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. ROA-1022-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.

Deep Well
(Helderberg)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Roane

WELL RECORD

Permit No. ROA 1022

Oil or Gas Well Oil
(KIND)

Company Seneca Oil Co.
Address Box 14837, Oklahoma City, Okla.
Farm H. M. Boggs Acres 156
Location (waters) _____
Well No. 1 Elev. 745
District Curtis County Roane
The surface of tract is owned in fee by H. M. Boggs
Address Spencer, W. Va.
Mineral rights are owned by H. M. Boggs
Address Spencer, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
14	600'	600'	Size of
10			
8 1/4			Depth set
7"	2435	2435	
5 3/16			Perf. top <u>2288</u>
3			Perf. bottom <u>2300</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

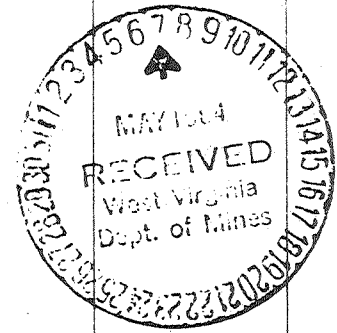
Drilling commenced 2/28/64
Drilling completed 4/2/64
Date Shot 4/23/64 From 2288 To 2300
With Lane Wells "E" Gun
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume No Natural Gas Cu. Ft.
Rock Pressure ----- lbs. _____ hrs.
Oil ----- bbls., 1st 24 hrs.
WELL ACIDIZED _____

CASING CEMENTED 7 SIZE 2435 No. Ft. _____ Date _____
cemented with 35 sx reg. cem.
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED 500 Gal Acid, 34000 Gal Fresh Water, 14000# Sand

RESULT AFTER TREATMENT 24 BOPD on Pump
ROCK PRESSURE AFTER TREATMENT 135# 36 hr
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	250	(Berea Lime --	1993'	1400 746 2115
Sand			250	1066	Weir	2281'	
Shale			1066	1154	Berea	2352'	
Sand			1154	1204	Corniferous	5436' ✓	
Shale			1204	1245	Oriskany	5541' ✓	
Sand			1245	1280	Helderburg	5620' ✓	
Shale & Sand			1280	1373	Well Plugged back to Weir and		
Sandy Shale			1373	1492	and producing from that zone.		
Shale			1492	1582			
Sand - Salt Sand			1582	1885			
Sand & Shale			1885	1880			
Limey Sand			1880	1900			
Shale =			1900	1910			
Sand - Maxton?			1910	1964			
Shale			1964	2225			
Sand - Berea?			2225	2300			
Shale			2300	5348			
Lime & Chert - Overman & Hill			5348	5545			
Sand - Oriskany			5545	5574			
Shaley Sand			5574	5604			
Lime			5604	5611			
Cherty Lime Helderburg			5611	5637			



5436 5541 5620
746 746 746
4690 4795 4874