

Company Robert L. Wolff

Address 405 National Bank of Commerce Bldg.

Farm H.C. Hamilton New Orleans, 12, La.

Tract _____ Acres 316 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 931

Quadrangle West Union C

County Tyler District Centerville

Engineer W. S. [Signature]

Engineer's Registration No. 1227

File No. _____ Drawing No. _____

Date Dec. 1960 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. TYL-303

+ 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 15

Quadrangle West Union

Permit No. TYL-303

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Robert L. Wolff
Address 405 N. B. C. Bldg., New Orleans, La.
Farm H. C. Hamilton Acres 316
Location (waters) Big Sancho Creek
Well No. 1 Elev. 931
District Centerville County Tyler
The surface of tract is owned in fee by H. C. Hamilton
Address Middle Bourne, W. Va.
Mineral rights are owned by H. C. Hamilton
Address Middle Bourne, W. Va.
Drilling commenced 11/10/60
Drilling completed 1/23/61
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 18 bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16			
13			Size of _____
10			Depth set _____
8 1/2	990	None	
6 3/4	1256	None	
5 1/2	1996	None	
4 1/2	2183	2183	Perf. top <u>2077</u>
2			Perf. bottom <u>2096</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 2183 No. Ft. 1/17/60 Date
1 1/2 sks. Cement - 4 sks. Aquagel - Lawson Cement Co.

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

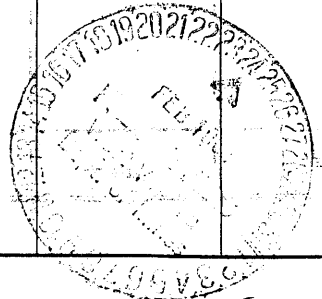
WELL FRACTURED 1/23/61 - Water Frac - 100 gallons 15% acid, 12,000 gallons water & 120 sacks Frac Sand

RESULT AFTER TREATMENT 75 Bbl Fluid per day

ROCK PRESSURE AFTER TREATMENT 200 lbs 24 Hours

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red rock			0	80			
Sand			80	100			
Red rock			100	125			
Sand			125	150			
Red rock			150	250			
Lime			250	290			
Red rock			290	300			
Blue lime			300	316			
Blue slate			316	345			
Gritty lime			345	390			
Red rock			390	465			
Sand			465	500	water	490	
Slate			500	510			
Lime			510	525			
Slate			525	532			
Red rock			532	545			
Lime			545	570			
Red rock			570	585			
Lime			585	595			
Red rock			595	609			
Lime		coarse	609	685			
Lime		broken	685	700			
Lime			700	712			
Slate			712	715			
Lime		gritty	715	730			
Sand			730	750			



Formation	Color	Hard or Soft	Top 15'	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			750	775			
Slate shell			775	820			
Red rock			820	825			
Lime			825	845			
Red Rock			845	855			
Lime Shells			855	865			
Red rock			865	886			
Lime			886	925			
Red rock			925	987			
Lime			987	997			
Red rock			997	1000			
Blue slate			1000	1057			
Red rock			1057	1110			
Slate & shells			1110	1200			
Gritty lime			1200	1229			
✓ Cow Rain Sand			1229	1265			
Slate			1265	1280			
Lime			1280	1300			
Slate			1300	1335			
Lime			1335	1350			
✓ Salt Sand			1350	1380			
Slate Shells			1380	1396			
Sand			1396	1550			
Slate Shells	1550		1550	1570			
✓ Salt Shells			1570	1652			
Slate Shells			1652	1670			
Lime			1670	1719			
Slate			1719	1725			
Gray lime			1725	1735			
Blue lime			1735	1757			
slate		broken	1757	1765			
Lime			1765	1780			
Slate shells			1780	1797			
Sand			1797	1800			
Lime			1800	1827			
Sand			1827	1856			
Lime			1856	1879			
Slate			1879	1898			
✓ Little lime			1898	1935			
✓ Big Lime			1935	1996			
✓ Kenner sand			1996	2021			
✓ Injun Sand			2021	2055			
Slate			2055	2065			
Sand			2065	2165			
Slate			2165	2183			
Total Depth				2183			

Date Feb 22 1961
 APPROVED Robert W. Wolf Owner
 By _____ (Title)