



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 8

Quadrangle West Union

Permit No. Dod-309

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company A. M. Carlson D/B/A Tower Service Company
Address 510-511 Union Trust Bldg. Parkersburg, W. Va.
Farm Lillie Weekley Acres 10

Location (waters) _____
Well No. 1 Elev. 822'

District Town of West Union County Doddridge
The surface of tract is owned in fee by Lillie Weekley
Address West Union, W. Va.

Mineral rights are owned by Same as above
Address _____

Drilling commenced Mar. 17, 1960
Drilling completed Apr. 3, 1960
Date Shot Apr. 1, 1960 From 1849-1864, 1798-1803 To _____

With Lane Wells Vibra-frac
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume 500,000 Cu. Ft.
Rock Pressure 450 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED 4,000 lbs. sand 400 bbls. water

RESULT AFTER TREATMENT Same as above

ROCK PRESSURE AFTER TREATMENT Same as above

Fresh Water None Feet _____ Salt Water None Feet _____

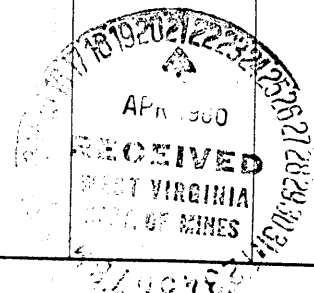
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	25	25	Size of
8 3/4	800		
6 5/8	1200		Depth set
5 3/16	1779	1779	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 3/4 SIZE 1779 No. Ft. 3/24/60 Date
30 sacks cement - Halliburton

COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	63			
Sand			63	102			
Slate			102	180			
Lime		H	180	200			
Red Rock			200	206			
Sand			206	230			
Red Rock			230	250			
Lime			250	270			
Shale			270	290			
Red Shells			290	363			
Shale	B		363	378			
Lime			378	425			
Shale			425	575			
Red Rock			575	596			
Shell			596	604			
Red Rock			604	665			
Lime & Shale			665	675			
Red Rock			675	745			
Blue Shale			745	785			
Red Rock			785	830			
Red Rock			830	840			
Shell		H	840	863			
Shale			863	934			
Sand			934	970			
Shale			970	1000			
Lime			1000	1015			
Shale			1015	1034			
Sand			1034	1054			
Shale			1054	1084			
Sand			1084	1134			

(over)



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	D		1134	1238			
Salt Sand			1238	1306			
Lime			1306	1330			
Sand			1330	1375			
Shale	D		1375	1427			
Sand			1427	1526			
Shale			1526	1610			
Lime			1610	1653			
Slate, Line Shell			1653	1674			
Little Lime			1674	1693			
Pencil Cave			1693	1705			
Lime			1705	1714			
Shale			1714	1726			
Injun Sand			1798	1799			
Sand			1799	1803	Gas		
Sand, lime			1803	1850			
Lime			1850	1853	Gas		
Lime			1853	1880			
Slate			1880	1920			
			Total Depth	1920			

Date April 20, 1911

APPROVED A. M. Carlson, Owner

By A. M. Carlson
(Title)