





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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle West Union

WELL RECORD

Oil or Gas Well Oil & Gas  
(KIND)

Permit No. 800-1005

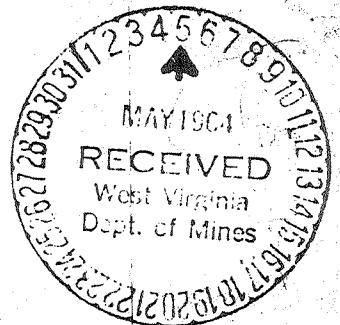
Company National Producers Inc  
Address Pennsboro Box 218 W.Va.  
Farm H. H. Knight Acres 120  
Location (waters) Knights Fork  
Well No. 49 Elev. 857  
District Grant County Doddridge  
The surface of tract is owned in fee by Wilber Knight  
Address Parkersburg  
Mineral rights are owned by Wilber Knight  
Address Parkersburg  
Drilling commenced Nov 1964  
Drilling completed April 16 1964  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 40 Thousand Cu. Ft.  
Rock Pressure 2800 lbs. \_\_\_\_\_ hrs.  
Oil Show \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	20'	20'	Kind of Packer _____
13			
10	200'	200'	Size of _____
8 1/4	1087	0	Depth set _____
6 3/8			
5 3/16	2018	2018	Perf. top <u>1910-16</u>
3			Perf. bottom <u>1970-74</u>
2			Perf. top _____
Liners Used _____			Perf. bottom _____

CASING CEMENTED 5 1/2 SIZE \_\_\_\_\_ No. Ft. 2018 Date April 17 1964  
100 sks. cement  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED April 25 1964 Dwell tested with 1000 B of water 60,000 lb of sand  
170,000 SCF Nitrogen  
RESULT AFTER TREATMENT 50 Barrel per day 500,000 of Gas  
ROCK PRESSURE AFTER TREATMENT 400 lbs  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
0 - 20'	Sand						
20 - 65	shale						
65 - 78	Sand				Water @ 70'		
78 - 445	Shale						
445 - 475	Sand						
475 - 532	Shale						
532 - 564	Sand						
564 - 600	Shale						
600 - 637	Sand						
636 - 805	Shale						
805 - 850	Sand						
850 - 977	Shale						
977 - 1010	Sand						
1010 - 1110	Shale						
1110 - 1140	Sand						
1140 - 1302	Shale						
1302 - 1321	Sand				Water @ 1310		
1321 - 1344	Shale						
1344 - 1474	Sand						
1474 - 1551	Shale						
1551 - 1603	Sand						
1603 - 1617	Shale						
1617 - 1645	Sand						
1645 - 1670	Shale						
1670 - 1736	Sand						
1736 - 1750	Shale						
1750 - 1770	Limestone						
1770 - 1777	Shale						
1777 - 1795	Limestone						



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
1795-1801	Shale						
1801-1809	Limestone						
1809-1819	Big Lime						
1819-1822	Shale						
1822-1876	Bib Lime						
1876-1878	Shale						
1878-1902	Sandy Limestone (Kecmer)						
1902-1904	Sand (BIB INJUN)				<del>REMARKS</del>		
1904-1942	Sand (Bib Injun)				Show of Oil		
1942-1945	Shale						
1945-1963	Sand						
1963-1965	Shale						
1965-1978	Sand				Show of Oil & Gas @ 1970 to 78		
1978-1981	Shale						
1981-2018	Sand						
2018 T.D.	All depths correlated to GHI-Density Log.						

Date May 4 1964, 19

APPROVED National Producers Inc, Owner

By [Signature]  
(Title) Pres