

S 0.72  
W 4.20

LATITUDE 39° 15'

LONGITUDE 80° 35'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and that the information required by paragraph A of this rule and regulations of the oil and gas location of the well is correct.

*W. P. Burbridge*  
A. P. S. No. 1227

- New Location
- Drill Deeper
- Abandonment

Etto Davis

Elev. - U.S.G.S. B.M. at mouth of Brushy Fork - 850'

Error in Closure :- Less than 1' in 200'

Company	<u>PETROLEUM RESOURCES</u>
Address	<u>38442 Jonathan Dr. Mt Clemens, Mich.</u>
Farm	<u>A. M. Greathouse Heirs</u>
Tract	<u>Acres 118.039</u> Lease No. _____
Well (Farm) No.	<u>One</u> Serial No. _____
Elevation (Spirit Level)	<u>1140</u>
Quadrangle	<u>Yadis - NC</u>
County	<u>Doddridge</u> District <u>New Milton</u>
Engineer	<u>W. P. Burbridge</u>
Engineer's Registration No.	<u>1227</u>
File No.	_____ Drawing No. _____
Date	<u>Aug. 30, 1964</u> Scale <u>1" = 660'</u>

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

**WELL LOCATION MAP**  
FILE NO. Dod - 1180

+ 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 9

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Vadla

Permit No. DOD-1180

WELL RECORD

Oil or Gas Well Oil & Gas

Company Petroleum Resources Inc.  
Address 38442 Jonathan Dr. Mt. Clemens, Mich.  
Farm A.M. Greathouse Acres 118.039  
Location (waters) Red Lick  
Well No. One Elev. 1140'  
District New Milton County Doddridge  
The surface of tract is owned in fee by Thomas Boyce  
New Milton Address West Virginia  
Mineral rights are owned by A.M. Greathouse Hrs.  
C/O B.F. Greathouse Address Clarksburg, W. Va.  
Drilling commenced Sept. 26, 1964  
Drilling completed Nov. 5, 1964  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	22'	22'	
13			
10	823'	<del>823'</del>	Size of
8 3/4	1310'	1310'	
6 3/4			Depth set
<del>4 1/2</del> 4 1/2	2321'	2321'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4 1/2" SIZE 300' No. Ft. 11/6/64 Date

COAL WAS ENCOUNTERED AT 810' FEET 96" INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

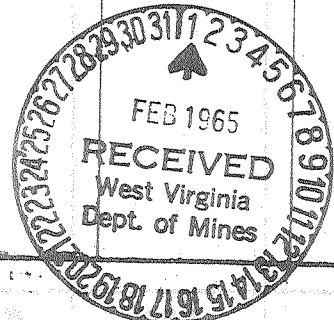
WELL FRACTURED By Halliburton 11/11/64 Perforations, 2260' and 2266' to 2280'  
20,000 cu. ft. gas and show of oil before treatment.

RESULT AFTER TREATMENT 50 bbl. Oil and 500,000 cu. ft. gas

ROCK PRESSURE AFTER TREATMENT 400 lbs. with hole full of fluid

Fresh Water 125' Feet Salt Water 1820' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0'	30'			
red rock	red	soft	30'	60'			
Shale	blue	soft	60'	110'			
sand	gray	hard	110'	125'			
red rock	red	soft	125'	180'			small amt. water at 125'
slate	blue	soft	180'	220'			
red rock	red	soft	220'	240'			
slate	gray	soft	240'	285'			
lime	gray	hard	285'	305'			
shale	gray	soft	305'	410'			
sand	gray	hard	410'	430'			
slate	gray	soft	430'	510'			
lime	gray	hard	510'	520'			
red rock	red	soft	520'	565'			
shale	gray	soft	565'	580'			
red rock	red	soft	580'	595'			
lime	gray	hard	595'	615'			
red rock	red	soft	615'	630'			
sand	gray	hard	630'	660'			
lime	gray	hard	660'	670'			
slate	gray	soft	670'	700'			
shale	gray	soft	700'	810'			
Coal	black	soft	810'	818'			
shale	gray	soft	818'	822'			
lime	gray	hard	822'	826'			
shale	gray	soft	826'	1020'			
lime	gray	hard	1020'	1030'			
shale	blue	soft	1030'	1040'			
shale	gray	soft	1040'	1125'			



Formation	Color	Hard or Soft	Top <sup>9</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
red rock	red	soft	1125'	1170'			
slt. shls.	gray	med. hrd.	1170'	1210'			
red rock	red	soft	1210'	1225'			
shale	gray	soft	1225'	1260'			
slate	black	soft	1260'	1305'			
sand	gray	hard	1305'	1325'			
shale	gray	soft	1325'	1510'			
slate	black	soft	1510'	1550'			
1st. salt	lt. gry.	hard	1550'	1595'			
slate	black	soft	1595'	1610'			
slate	gray	soft	1610'	1670'			
lime	gray	hard	1670'	1690'			
2nd. salt	gray	hard	1690'	1745'			
slate	gray	soft	1745'	1800'			
slate	black	soft	1800'	1815'			
3rd. salt	gray	hard	1815'	1905'			
lime	gray	hard	1905'	1930'			
slate	black	soft	1930'	1990'			
Maxton	gray	hard	1990'	2005'			
shale	gray	soft	2005'	2020'			
sand	gray	hard	2020'	2035'			
red rock	red	soft	2035'	2055'			
lime	gray	hard	2055'	2095'			
red rock	red	soft	2095'	2125'			
pencil	gray	soft	2125'	2140'			
big lime	brown	hard	2140'	2204'			
keener	gray	hard	2204'	2240'			
injun	gray	med. hrd.	2240'	2286'			
shale	gray	soft	2286'	2321'			
TOTAL DEPTH 2321'							

gas at 2270' oil show at 2275'

Date January 29, 1965

APPROVED Petroleum Resources Inc., Owner

By Grady F. Pitzer  
(Title) Supt.