

Elev. taken from Well No 1 = 993'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
*Michael J. ...*  
 R. P. No. 1227

- New Location ..
- Drill Deeper ..
- Abandonment ..

Error in Closure: - Less than 1/300

Company Olin B. Wetzel  
 Address PO Box 94, West Union, W. Va.  
 Farm George Lowther  
 Tract \_\_\_\_\_ Acres 71.75 Lease No. \_\_\_\_\_  
 Well (Farm) No. Two Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1083.2'  
 Quadrangle Halbrook EC  
 County Doddridge District Conn  
 Engineer Michael J. ...  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date June 25, 1963 Scale 1" = 200' = 495'

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

WELL LOCATION MAP  
 FILE NO. Pod-1026

+ 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

Quadrangle Holbrook

Permit No. 1026

WELL RECORD

Oil or Gas Well Both  
(KIND)

Company Olin B. Metzler  
Address West Union, W. Va.  
Farm G. W. Lowther Heirs Acres 72  
Location (waters) Rush Run  
Well No. 2 Elev. 1083.2  
District Cove County Doddridge  
The surface of tract is owned in fee by G. W. Lowther Mrs.  
Auburn Rt. 1 Address W. Va.  
Mineral rights are owned by G. W. Lowther Mrs. et al  
Auburn Rt. 1 Address W. Va.  
Drilling commenced August 6, 1963  
Drilling completed September 7, 1963  
Date Shot From To  
With  
Open Flow 4/10ths Water in 2 Inch  
10ths Merc. in 10,000 Inch  
Volume 10,000 Cu. Ft.  
Rock Pressure 650 lbs. 24 hrs.  
Oil Yes bbls., 1st 24 hrs.  
WELL ACIDIZED

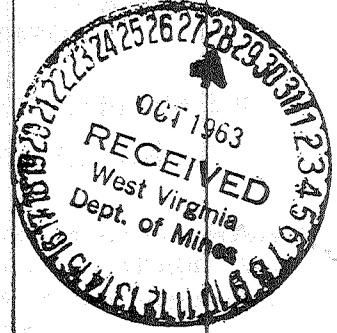
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16 Conductor	12 ft.	12 ft.	
13			Size of
8 1/2	126 ft.		
8 1/4	987 ft.		Depth set
5 3/16	2216 ft.	2216 ft.	
3			Perf. top
2	2019 ft.	2019 ft.	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED Yes SIZE 5 1/2 No. Ft. 9/8/63 Date  
100 bags cement - 6 aquagel-Gannaton  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

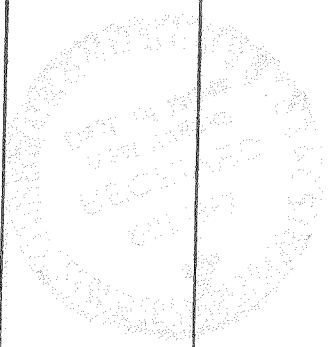
WELL FRACTURED 9/13/63

RESULT AFTER TREATMENT First: 6 1/10 Mer: thru 2 in: open 7 hours 381,000  
Second: 5.2 Mer: thru 2 in: open 1 1/4 hr. 995,000  
ROCK PRESSURE AFTER TREATMENT 650 24 hours.  
Fresh Water Yes Feet 65 Salt Water No Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top			0	10			
Sand			10	40			
Red Rock			40	75			
Lime			75	105			
Red Rock			105	140			
Sand			140	165			
Slate			165	175			
Red Rock			175	210			
Lime			210	240			
Red Rock			240	275			
Red Lime			275	304			
Slate Shells			304	358			
Lime			358	370			
Red Rock			370	390			
Lime			390	430			
Red Rock			430	475			
Lime			475	515			
Sand			515	555			
Slate			555	574			
Lime			574	655			
Slate Shells			655	745			
Sand			745	760			
Slate			760	790			
Red Rock			790	800			
Lime			800	816			
Red Rock			816	901			



Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			901	910			
Red Rock			910	950			
Slate & Shells			950	981			
Lime			981	1025			
Pink Lime			1025	1034			
Grey Lime			1034	1140			
Sand			1140	1165			
Black Lime			1165	1215			
Sand			1215	1345			
Slate & Shells			1345	1454			
Sand			1454	1470			
Slate & Shells			1470	1500			
Sand			1500	1555			
Slate			1555	1567			
Sand			1567	1585			
Black Lime Broken			1585	1680			
Grey Lime Hard			1680	1695			
Slate & Shells			1695	1753			
Black Lime			1753	1778			
Slate			1778	1830			
Sand			1830	1884			
Slate & Shells			1884	1915			
Lime			1915	1935			
Slate & Shells			1935	1990			
Sand			1990	2005			
Slate			2005	2009			Small Show Oil at 1995
Lime			2009	2023			
Slate			2023	2026			
Lime			2026	2035			
Slate			2035	2048			
Lime			2048	2112			
Sand			2112	2195			Gas at 2120 - 2125 Small
Slate			2195	2217			Gas at 2157 Gas at 2184 - 2191 Show Oil



Date Oct 24, 1963

APPROVED Oliver B. Witzel, Owner

By Agent (Title)