

Minimum Error of Closure 1/2,000

Source of Elevation R.R. XING 1/2 MILE ± WEST OF LOCATION

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

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Paul G. Dean

Map No.

Squares: N S E W

Company MICOA INC.  
 Address 211 WATER STREET, WESTON, W.VA.  
 Farm FLESHER HEIRS SURF. & 1/2 O. & G. DOTSON 1/2 O. & G.  
 Tract 1 Acres 27± Lease No. \_\_\_\_\_  
 Well (Farm) No. ONE Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1120  
 Quadrangle WEST UNION 5C  
 County DODDRIIDGE District CENTRAL  
 Engineer Paul G. Dean  
 Engineer's Registration No. 1256  
 File No. 136-9-24 Drawing No. 67-10  
 Date FEB. 15, 1967 Scale 1" = 300'

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

WELL LOCATION MAP

FILE NO. DOD: 1445

† 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.

6-6-89



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 3

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle West Union  
Permit No. DOD 1445

**WELL RECORD**

Oil or Gas Well Oil & Gas  
(KIND)

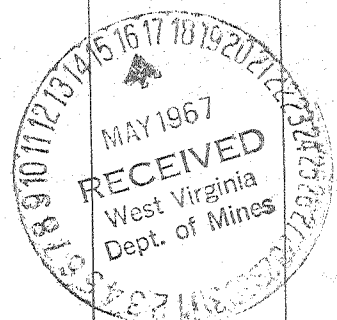
Company Micoa, Inc.  
Address Box 105, Weston, W. Va.  
Farm Flesher Heirs Acres 27  
Location (waters) Wilhelm Run  
Well No. # 1 Elev. 1120'  
District Central County Doddridge  
The surface of tract is owned in fee by Flesher Heirs  
Address West Union, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced March 21, 1967  
Drilling completed April 16, 1967  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 40,000 Cu. Ft.  
Rock Pressure No test lbs. \_\_\_\_\_ hrs.  
Oil Good Show bbls., 1st 24 hrs.  
WELL ACIDIZED (DETAILS) \_\_\_\_\_  
WELL FRACTURED (DETAILS) \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	18'	18'	
10	272'	Pulled	Size of
8 1/4	1848'	Pulled	
6 5/8	1848'	Pulled	Depth set
5 3/16			
4 1/2	2281'	Cemented	
3			Perf. top
2	2220'		Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.  
CASING CEMENTED 4 1/2" SIZE 2281 No. Ft. 4/16/67 Date  
Amount of cement used (bags) 60 sks. Regular 10sks. G  
Name of Service Co. Lawson Oil & Gas Cementing Co  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 240,000 Cu. Ft. & 30 bbls. Oil  
ROCK PRESSURE AFTER TREATMENT 715 HOURS 72 hrs.  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1668' Feet \_\_\_\_\_  
Producing Sand Injun Depth 2240' to 2180'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red Rock			0	36			
Sand			36	47			
Shale & Red Rock			47	163			
Shale & Shells			163	173			
Sand			173	197			
Red Rock			197	242			
Sand			242	275			
Shale & Red Rock			275	303			
Lime			303	308			
Red Rock			308	315			
Lime			315	335			
Red Rock & Shale			335	354			
Lime			354	360			
Shale			360	397			
Sand			397	418			
Red Rock			418	484			
Lime Sandy			484	508			
Red Rock			508	545			
Lime Sandy			545	561			
Shale & Red Rock			561	575			
Sand			575	604			
Shale & Red Rock			604	619			
Lime			619	626			
Red Rock			626	650			
Shale & Shells			650	700			
Lime Sandy			700	707			
Sand			707	778			
Lime & Shale			778	885			
Shale & Shells			885	916			



(over)

MAY 29 1967

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime			916	928			
Slate & Shells			928	938			
Red Rock & Shale			938	952			
Red Rock			952	1080			
Lime Sandy			1080	1145			
Slate & Shells			1145	1174			
Red Rock			1174	1201			
Lime Sandy			1201	1233			
Red Rock & Lime			1233	1239			
Red Rock & Shale			1239	1273			
Sand			1273	1279			
Slate & Shells			1279	1354			
Sand			1354	1375			
Sand & Lime			1375	1390			
Slate & Shells			1390	1414			
Lime Sandy			1414	1450			
Slate Sandy			1450	1495			
Slate & Shells			1495	1555			
Sand			1555	1574			
Slate & Shells			1574	1643			
Sand			1643	1745	Water	1668	
Slate & Shells			1745	1825			
Sand			1825	1843			
Lime Sandy			1843	1860			
Slate			1860	1891			
Sand			1891	1931			
Slate			1931	1934			
Sand & Slate			1934	2042			
Red Rock & Shale			2042	2054			
Red Rock & Lime			2054	2064			
Lime (Little)			2064	2103			
Sand			2103	2106			
Slate			2106	2115			
Lime (Big)			2115	2144	Oil	2123	
Sandy Lime			2144	2185			
Sand & Lime			2185	2203			
Sand -			2203	2230			
Slate			2230	2234			
Sand			2234	2244	Gas	2239	
Shale			2244	2285			
			TD	2285			

*Big Limestone*

4/16/67  
Well was logged by Allegheny Nuclear Surveys.  
Gamma-Neutron-Density-Temperature-Caliper.

4/16/67  
4 1/2" casing was run to 2281' and cemented with 60sk. cement, 10sk. Gel  
by Lawson Oil & Gas Well Cementing Co.

4/21/67  
Well was perforated by Allegheny Nuclear Surveys.

- 2188-2190 8 holes
- 2225-2226 4 holes
- 2237-2238 3 holes

well was fractured by Dowell.  
693bbls. Treated water.  
20,000# 20-40 Sand  
5,000# 10-30 Sand  
1,000 gals. Acid 15%  
Max. Pressure 2650  
Average Treating Pressure 2500  
Average Injection Rate 32.7 bbls.

Date May 11, 1967  
APPROVED [Signature], Owner  
By [Signature] (Title)