



Don Wagner
 2.55 S
 2.58 S
 0.18 W

2 EC (F-7)

Minimum Error of Closure $\frac{1}{200}$
 Source of Elevation USGS BM E1311 on Bens Run bridge near
 F.M.C. Bens Run Plant

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: *[Signature]*

Map No. _____

- Fracture
- New Location
- Drill Deeper
- Abandonment

Company F M C CORPORATION
 Address 633 3RD AVE., N.Y. 17, N.Y.
 Farm F.M.C. Corporation
 Tract _____ Acres 87.42 Lease No. _____
 Well (Farm) No. 6 Serial No. _____
 Elevation (Spirit Level) 682.8
 Quadrangle St. Marys NC
 County Tyler District Union
 Engineer [Signature]
 Engineer's Registration No. 2492
 File No. _____ Drawing No. _____
 Date Feb. 4, 1964 Scale 1" = 400

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

WELL LOCATION MAP

FILE NO. 746-384

+ 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

Rotary
Spudder
Cable Tools
Storage

Quadrangle St. Marys

Permit No. TYL-384

WELL RECORD

~~Oil or Gas~~ Well Salt

Company FMC CORPORATION
Address 633 Third Avenue, New York, New York
Farm FMC (L. Martin) Acres 87.42
Location (waters) Bens Run, W. Va.
Well No. 6 Elev. 682.80
District Union County Tyler
The surface of tract is owned in fee by FMC Corporation
Address New York, N.Y.
Mineral rights are owned by FMC Corporation
Address New York, N.Y.
Drilling commenced March 11, 1964
Drilling completed May 5, 1964
Date Shot Not Applicable 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 Not Applicable to salt well

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
26"	15'	15'	Kind of Packer _____
20"	98'	86'	
13-3/8"	1830'	1817'	Size of _____
9-5/8"	6480'	6467'	Depth set _____
6"			
3 1/2"			Perf. top _____
2"			Perf. bottom _____
1 1/2"			Perf. top _____
1"			Perf. bottom _____

CASING CEMENTED 20" SIZE 86' No. Ft. 3-16-64 Date
13-3/8" - 1200' on 4-5-64 & 9-5/8" - 4500' on 5-2-64
COAL WAS ENCOUNTERED AT 860 FEET 24 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

WELL FRACTURED Not Applicable

RESULT AFTER TREATMENT Not Applicable

ROCK PRESSURE AFTER TREATMENT Not Applicable

Fresh Water Flow not measured Feet 60 Salt Water None Recorded Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
All			Surface	5448	Not differentiated or logged		
✓ Marcellus (Shales)	Black	Soft	5448	5516	Gas	Gas found throughout entire interval	Pocket of gas that blew out in short period of time
✓ Onondaga Group (Limestone)	White to brown	Hard	5516	5704			Cherty
✓ Oriskany (Sand)	White to brown	Very hard	5704	5820			Some oil stains
✓ Helderberg (Limestone)	Brown	Hard	5820	6152			
✓ Salina (Dolomite)	Dark gray brown and black	Hard	6152	6370			With Anhydrite
✓ Salina (Salt)	Gray to white	Soft	6370	6472			Salt with Dolomite and Anhydrite

5516 5704 5820
683 683 683

4833 5021 5137

519

