



Don Wagner
 2.42-S
~~2.445~~
 0.13 W
 REC (K7)

Minimum Error of Closure 1 in 200
 Source of Elevation USGS BM E 131 on Bens Run bridge near
 F.M.C. Corp. 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: *H. F. Johnston*

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

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. 7 Serial No. _____
 Elevation (Spirit Level) 690.03
 Quadrangle St. Marys NC
 County Tyler District Union
 Engineer H. F. Johnston
 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. TYL-385

+ 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.

No Samplers

9-0-0 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle St. Marys
Permit No. TYL-385

WELL RECORD

XXXXXXX Well Salt
(KIND)

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. 7 Elev. 690.03'
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 May 22, 1964
Drilling completed June 26, 1964
Date Shot NOT From Applicable To Applicable
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 for salt well

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
26"	15'	15'	
20"	55'	42'	
13-3/8"	1834'	1821'	Size of
9-5/8"	6477'	6464'	Depth set
XXXXXX			Perf. top
XXXXXX			Perf. bottom
XXXXXX			Perf. top
XXXXXX			Perf. bottom

CASING CEMENTED 20" SIZE 42' No. Ft. 5-23-64 Date
13-3/8" - 1500' on 6-3-64 & 9-5/8" - 4500' on 6-2
COAL WAS ENCOUNTERED AT _____ FEET _____ 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	5454	Not differentiated or logged		
✓ Marcellus (Shales)	Black	Soft	5454	5520	Gas	Found throughout entire interval	Pocket of gas that blew out in short period of time
✓ Onondaga Group (Limestone)	White to brown	Hard	5520	5707			Cherty
✓ Oriskany (Sand)	White to brown	Hard	5707	5826			Minor oil stains
✓ Helderberg (Limestone)	Brown	Hard	5826	6155			
✓ Salina (Dolomite)	Dark gray brown & black	Hard	6155	6370			With Anhydrite
Salina (Salt)	White to Gray	Soft	6370	6484			Salt with Dolomite and Anhydrite
	5520 690 49630	5707 690 5017	5826 690 5136	(519)			

