

MINIMUM ERROR OF CLOSURE 1 in 2000  
 SOURCE OF ELEVATION USGS BM #E131, Elev. 654.309

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."

Company FMC CORPORATION  
 Address 633-3rd Ave., New York, N.Y.  
 Farm FMC CORPORATION  
 Tract \_\_\_\_\_ Acres 372.76 Lease No. \_\_\_\_\_  
 Well (Farm) No. 9 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 651.4  
 Quadrangle St. Marys  
 County Pleasants District Union  
 Engineer J. F. Johnston  
 Engineer's Registration No. 2492  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Mar. 20, 1968 Scale 1"=400'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. PLEAS-643

+ 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.

Deep Well

MAY 13 1968



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle St. Marys

WELL RECORD

Permit No. PLEAS-643

~~XXXXXXXXXX~~ Salt  
(KIND)

Company <u>FMC Corporation, Inorganic Chemicals Division</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 8127, South Charleston, W. Va.</u>	Size			
Farm <u>FMC Corporation</u> Acres <u>372.76</u>	<del>20"</del>	210'	210'	Kind of Packer
Location (waters) <u>Bens Run, W. Va.</u>	<del>13-3/8"</del>	1826'	1826'	Size of
Well No. <u>9</u> Elev. <u>651</u>	<del>9-5/8"</del>	6471'	6471'	Depth set
District <u>Union</u> County <u>Pleasants</u>	<del>6 5/16</del>			Perf. top
The surface of tract is owned in fee by <u>FMC Corporation</u> Address <u>So. Charleston, W. Va.</u>	<del>3</del>			Perf. bottom
Mineral rights are owned by <u>FMC Corporation</u> Address <u>So. Charleston, W. Va.</u>	<del>2</del>			Perf. top
Drilling commenced <u>July 16, 1968</u>	Liners Used			Perf. bottom
Drilling completed <u>September 3, 1968</u>				
Date Shot <u>Not applicable</u> From _____ To _____				
With _____				
Open Flow <u>/10ths Water in _____</u> Inch				
<u>/10ths Merc. in _____</u> Inch				
Volume _____ Cu. Ft.				
Rock Pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
WELL ACIDIZED <u>No applicable to salt well</u>				
WELL FRACTURED <u>N/A</u>				
RESULT AFTER TREATMENT <u>N/A</u>				
ROCK PRESSURE AFTER TREATMENT <u>8-31-68</u>				
Fresh Water <u>Not measured</u> Feet <u>--</u>				
Salt Water <u>Not measured</u> Feet <u>5715</u>				

\*See below.  
CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

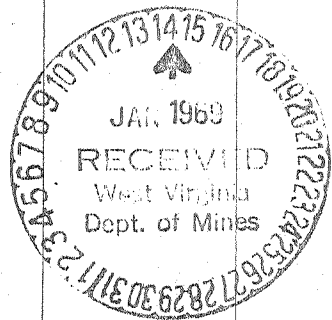
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

\*Casing Cemented \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

WELL FRACTURED	Date	Size	No. Ft. Cemented (Bags)	Service Co.
<u>N/A</u>	<u>7-17-68</u>	<u>20"</u>	<u>210</u>	<u>Dowell</u>
<u>N/A</u>	<u>7-29-68</u>	<u>13-3/8"</u>	<u>1826</u>	<u>Dowell</u>
<u>N/A</u>	<u>8-31-68</u>	<u>9-5/8"</u>	<u>2470</u>	<u>Dowell</u>

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
sand & gravel	gray	soft	surface	48			
sand & shale	red & gray	soft	48	1003			
Pottsville sand & shale	gray	hard	1003	1255			
Mauch chunk sand	gray	hard	1255	1344			
Greenbrier limestone	brown	hard	1344	1442			
Pocono sand & shale	gray	hard	1442	1590			
Devonian System sand & shale	gray	hard	1590	5435			
Marcellus shale	black	soft	5435	5507	gas pockets	throughout entire section	
Onondaga limestone	lt. gray	hard	5507	5698			
Oriskany sand	lt. gray	hard	5698	5752			
Silurian System			5752				
Helderburg limestone	brown	hard	5752	6162			
Salina			6162				
Polomite	gray	hard	6162	6372			
alt	white/gray	soft	6372	6429			interbedded with Anhydrite
Polomite	gray	hard	6429	6454			
alt	white/gray	soft	6454	6479			
Polomite	gray	hard	6479	6486 T.D.			



5507  
651  
5856

Note shows in Dev. shs. & Onondaga salt water

(over)

JAN 25 1969