



New Location  Drill Deeper  Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2,500  
 Source of Elevation U.S.G.S. TRIANGULATION STATION (Mc CRAY ECCENTRIC 1957)  
WITH AN ELEVATION OF 1344

"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." *Henry M. Parsons*

Company MOBAY CHEMICAL CORPORATION  
 Address NEW MARTINSVILLE, W.VA. 26155  
 Farm NICE, Glorice & Patty Potts  
 CALLED  
 Tract \_\_\_\_\_ Acres 171.16 Lease No. \_\_\_\_\_  
 Well (Farm) No. NICE-POTTS #2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1274.7 NE  
 Quadrangle NEW MARTINSVILLE (1:2400), 15  
 County WETZEL District PROCTOR  
 SURVEYOR  
 Engineer HENRY M. PARSONS  
 SURVEYOR  
 Engineer's Registration No. 98  
 File No. 74-81 Drawing No. \_\_\_\_\_  
 Date APRIL 16, 1977 Scale 1" = 1000'

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

WELL LOCATION MAP  
 FILE NO. WET-615

+ 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.

47-103 JUN 8 1977



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 34

RECEIVED  
AUG 14 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb.   
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Quadrangle New Martinsville

Permit No. Wet 615

Company <u>Mobay Chemical Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Penn Lincoln Pkwy West, Pittsburgh, PA</u>				
Farm <u>Patty Potts-Gloria Nice</u> Acres <u>171.16</u>	Size			
Location (waters) <u>Haynes Run</u>	20-16			
Well No. <u>2</u> Elev. <u>1274.7</u>	Cond. <u>20"</u>	<u>11</u>	<u>11</u>	
District <u>Proctor</u> County <u>Wetzel</u>	13-10" <u>11 3/4</u>	<u>385</u>	<u>385</u>	<u>125 sx RFC w/25# Kolite/sk.</u>
The surface of tract is owned in fee by <u>same</u>	9 5/8			
Address <u>P.O. Box 435, New Martinsville, WV</u>	8 5/8	<u>2353</u>	<u>2353</u>	<u>100 sx Neat + 4% CaCl, gel to surfa</u>
Mineral rights are owned by <u>same</u>	7			
Address <u>same</u>	5 1/2			
Drilling Commenced <u>11/19/77</u>	4 1/2	<u>3238</u>	<u>3238</u>	<u>210 sx Thixotropic</u>
Drilling Completed <u>11/30/77</u>	3			
Initial open flow <u>90M</u> cu. ft. _____ bbls.	2			
Final production <u>569M</u> cu. ft. per day <u>50</u> bbls.	Liners Used			
Well open <u>6</u> hrs. before test <u>750</u> RP.				

Well treatment details:

Attach copy of cementing record.

5th-(perf. 3110-16; 9 holes) BDP @ 1500#. Frac w/(thru 2 3/8" tbg.) 365 BW, 30,000# sand,  
106 MSCF N<sub>2</sub>. Gordon (frac notch; 2918) BDP @ 2,000#. Frac w/714 BW, 48,000# sand,  
82 MSCF N<sub>2</sub>. Berea (perf. 2667-80.25; 10 holes) BDP @ 1650#. Frac w/680 BW, 60,000# sand  
122.5 MSCF N<sub>2</sub>. Weir (perf. 2472-2527; 20 holes) BDP @ 1750#. Frac w/880 BW, 102,000# sand,  
50 MSCF N<sub>2</sub>.

Coal was encountered at 978-84, 1574, 1602, 1634, 1658 Feet \_\_\_\_\_ Inches  
 Fresh water 71, 303 Feet \_\_\_\_\_ Salt Water 1802, 2078 Feet \_\_\_\_\_  
 Producing Sand 5th, Gordon, Berea, Weir Depth (3107-19)(2895-2941)(2665-82)(2434-2549)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
KB— GL			0	10		
Topsoil			10	30		
SH & RR	gy-red	S	30	290		
SD & SH	gy	S	290	385		
Sdy SH	gy	S	385	430		
SD	lt. gy	H	430	455		
Sdy SH	med. gy	S	455	470		
SD	lt. gy	H	470	530		
Sdy SH	gy	S	530	625		
SD	lt. gy	H	625	755		
Sdy SH	gy	S-H	755	890		
SD	lt. gy	H	890	915		
Sdy SH	gy	S	915	1030		
Coal	blk.	S	978	984		
SD	gy-wh	H	1030	1110		
SH	gy	S	1110	1285		
SD	gy	H	1285	1300		
Sdy SH	gy & maroon	S	1300	1340		
SD	gy	H	1340	1380		
Sdy SH	H-M gy	S	1380	1525		
SD, Shy SD	gy	S-H	1525	1605		
Coal shows	blk.	S	1574, 1602 1634, 1658			
Sdy SH	gy	S-H	1610	1710		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet 34	Bottom Feet	Oil, Gas or Water	* Remarks
SD	gy	H	1710	1775		
Sdy SH	gy	S	1775	1810		
SD	gy	H	1810	1900		
SH, Sdy SH	lt-m gy	S	1900	1955		2029
SD	lt. gy	H	1955	1980		1275
SH, Sdy SH	lt-m gy	S	1980	2025		- 754
LS	tan	H	2029	2097	Greenbriar*	
SS	wh-gy	S-H	2097	2299	Big Injun*	
SH	gy	S	2299	2434		
SS, SLST	wh-gy	H	2434	2549	Weir*	SG
SH, SLST	gy	S	2549	2665		
SS	reddish brn	H	2665	2682	Berea*	
	gy					
SH	reddish-brn, S gy, brn		2682	2895		
SS, SLST	wh-gy	H	2895	2941	Gordon*	Gas 90M
SH, SLST	gy	S-H	2941	3107		
SS, SLST	gy-wh	H	3107	3119	5th*	SSG
SLST, SH	gy	S-H	3119	3253		
		TD	3253			

Date August 8, 19 78

APPROVED Mobay Chemical Corporation, Owner

By Michael F. Yarusso, Geologist  
(Title)

Haddad and Brooks, Inc.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE 4/28/77

Surface Owner Gloria Nice - Patty Potts  
P. O. Box 435  
Address New Martinsville, WV 26155  
Mineral Owner J. Nice Heirs  
Address same  
Coal Owner Consolidation Coal Co.  
Address Library, PA  
Coal Operator same

Company Mobay Chemical Corporation  
Address Penn Lincoln Parkway West  
Pittsburgh, PA 15205  
Farm Nice - Potts Acres 171.16  
Location (waters) Haynes Run  
Well No. 2 Elevation 1274.7  
District Proctor County Wetzel  
Quadrangle New Martinsville

Address \_\_\_\_\_  
THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,  
of the W. Va. Code, the location is hereby approved  
for drilling. This permit shall expire if  
operations have not commenced by 9-20-77.

[Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phil Tracy  
PH: 758-4573 ADDRESS Middlebourn, W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 22 1976 by Gloria Nice & Patty Potts made to Mobay Chemical Corporation and recorded on the 29th day of October 1976, in Wetzel County, Book 57 Page 261

NEW WELL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  
 OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address on the same day ~~as~~ as ~~before, as on the~~ ~~mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.~~

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey  
P. O. Box 879  
Morgantown, W. Va. 26505

Very truly yours, Mobay Chemical Corporation

(Sign Name) [Signature]  
Well Operator  
by Haddad and Brooks, Inc.  
Penn Lincoln Parkway West  
Street  
Pittsburgh  
City or Town  
Pennsylvania 15205  
State

Address  
of  
Well Operator

BLANKET BOND

\*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

WET-615 PERMIT NUMBER

**THIS IS AN ESTIMATE ONLY**  
**ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO  DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME S. W. Jack Drilling Co. \_\_\_\_\_ NAME Mobay Chemical Corporation \_\_\_\_\_  
 ADDRESS Indiana, PA 15701 \_\_\_\_\_ ADDRESS New Martinsville, WV 26155 \_\_\_\_\_  
 TELEPHONE (412) 463-9191 \_\_\_\_\_ TELEPHONE (304) 455-4400 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 3200 \_\_\_\_\_ ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Gordon \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB.  STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

**TENTATIVE CASING PROGRAM:**

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10      11 3/4"	375'	375'	cement to surface
9 - 5/8			
8 - 5/8	2375'	2375'	cement w/75 sks & gel surface
7			
5 1/2			
4 1/2      Production	as needed		cement as needed
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

1125'

APPROXIMATE FRESH WATER DEPTHS 70' FEET 1825' SALT WATER 2225' FEET  
 APPROXIMATE COAL DEPTHS 1075' (Pgh. Coal)  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

**TO DRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

**TO DRILL DEEPER OR REDRILL:**

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

**TO FRACTURE - STIMULATE:**

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

\_\_\_\_\_  
 For Coal Company  
 \_\_\_\_\_  
 Official Title