



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 (McCRAY ECCENTRIC 195)
 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, Glorio & Patty Potts
 Tract _____ Acres 171.16 Lease No. _____
 Well (Farm) No. NICE-POTTS #3 Serial No. _____
 Elevation (Spirit Level) 1288.1 6' NE
 Quadrangle NEW MARTINSVILLE (1:2400)
 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-616

+ 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



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SEP 1 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle New Martinsville

Permit No. Wet. 616

Company Mobay Chemical Corporation
Address Penn Lincoln Pkw. W, Pittsburgh, PA
Farm Patty Potts-Gloria Nice Acres 171.16
Location (waters) Haynes Run
Well No. 3 Elev. 1288
District Proctor County Wetzel
The surface of tract is owned in fee by Patty Potts-Gloria Nice
Address P.O. Box 435, New Martinsville, WV
Mineral rights are owned by same
Address same
Drilling Commenced 12/4/77
Drilling Completed 12/14/77
Initial open flow 70M cu. ft. -- bbls.
Final production 765M cu. ft. per day 50 bbls.
Well open 3 hrs. before test 610# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	384	384	175 sx RFC
9 5/8			
8 5/8	2333	2333	75 sx Neat + 4% Ca gel to surface
7			
5 1/2			
4 1/2	3220	3220	195 sx RFC + Koli
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Frac 5th Sand (perfs 3043-3139; 21 holes) 800 BW, 85,000# sand, 10.5 Tons CO₂, ATP 2100# @ 27 BPM
Frac Gordon (perfs 2909-16, 14 holes) 670 BW, 90,000# sand, 17 Tons CO₂, ATP 2100# @ 26 BPM
Frac Berea (perfs. 2660-72; 11 holes) 745 BW, 90,000# sand, 19 Tons CO₂, ATP 1800# @ 23 BPM
Frac Weir (perfs. 2470-2518; 24 holes) 965 BW, 115,000# sand, 18 Tons CO₂, ATP 2600# @ 26 BPM

Coal was encountered at 980-86 (Pgh. Coal) Feet _____ Inches _____
Fresh water 83 Feet _____ Salt Water 2210 Feet _____
Producing Sand 5th, Gordon, Berea, Weir Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
KB — GL			0	12		
Top Soil	brn	S	12	25		
SH & RR	gy-red	S	25	255		
SD & SH	gy	S	255	350		
Sdy. SH	gy	S	350	420		
SD	lt. gy	H	420	460		
Sdy. SH	m-gy	S	450	475		
SD	lt. gy	H	475	500		
Sdy. SH	gy	S	500	605		
SD	lt. gy	H	605	730		
Sdy SH	gy	S-H	730	900		
SD	lt. gy	H	900	920		
Sdy. SH	gy	S	920	1025		
Coal	blk.	S	980	986		
SD	gy-wh	H	1025	1120		
SH	gy	S	1120	1305		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
SD	gy	H	1305	1345		
Sdy Sh	gy & maroon	S	1345	1400		
SD	gy	H	1400	1420		
Sdy SH	lt-m gy	S	1420	1520		
SD	gy	H	1520	1570		
SD, Shy SD	lt. gy	H	1570	1635		
Coal Shows			1608, 1636, 1715, 1728	1665, 1680		
Sdy SH	gy	S	1635	1680		
SD, Shy SD	gy	H	1680	1770		
Sdy SH	gy	S	1770	1800		
SD	gy	H	1800	1880		
SH, Sdy SH	lt-m gy	S	1880	1940		
SD	lt gy	H	1940	2040		
LS	tan	H	2040	2112	Greenbriar*	
SS	wh	S	2112	2290	Big Injun*	SSG @ 2200'
SH, SLST	gy	H	2290	2428		
Sltly SS	gy	H	2428	2541	Weir*	Odor of gas
SH, SLST	gy, gy-brn	S	2541	2652		
SS	gy-red	H	2652	2680	Berea*	Odor of gas
SH, SLST	maroon-brn	S	2680	2886		
SS, SLST	gy	H	2886	2954	Gordon*	70 MCF
SH, SLST	gy	S	2954	2990		
Sltly SS	gy	H	2990	3003		
SH, SLST	gy	H	3003	3032		
SS, SLST	gy	H	3032	3120	5th sand*	Odor of gas
SH, SLST	gy	H	3120	3232		

2040
1288
-752

Date September 11, , 19 78

APPROVED Mohay Chemical Corporation, Owner

By Michael F. Yarnalis Geologist
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

MAY 8 1977

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 135 386 Great Road No. 7
Address New Martinsville, WV Action, MA 01720
26155
Mineral Owner J. Nice Heirs
Address same
Coal Owner Consolidation Coal Co.
Address Library, PA
Coal Operator same
Address _____

Company Mobay Chemical Corporation
Address Penn Lincoln Parkway West
Pittsburgh, PA 15205
Farm Nice - Potts Acres 171.16
Location (waters) Haynes Run
Well No. 3 Elevation 1288.1
District Proctor County Wetzel
Quadrangle New Martinsville

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.

Robert T. [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 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

Address
of
Well Operator

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

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-616 PERMIT NUMBER

