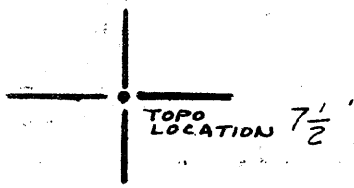
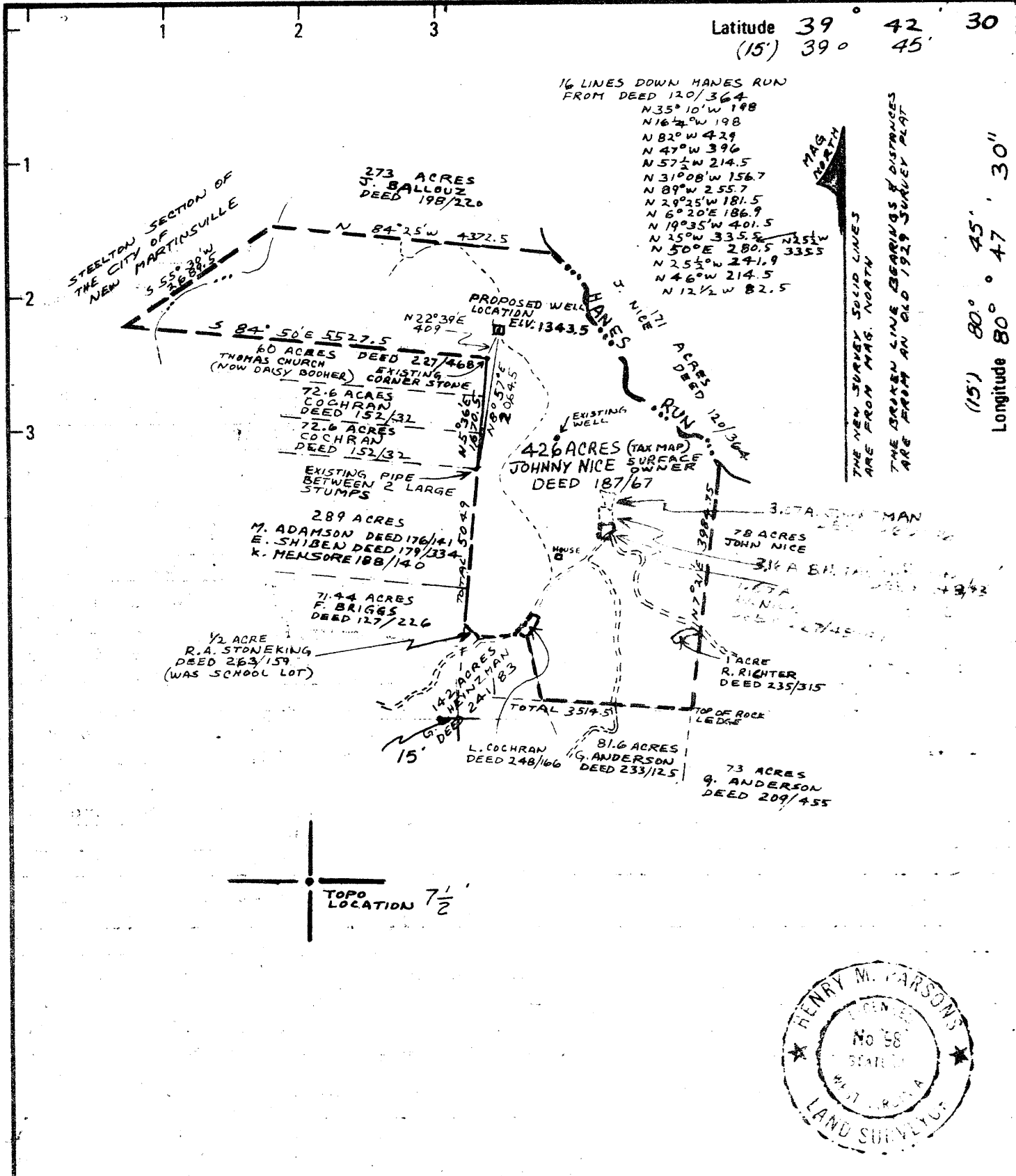


Latitude 39° 42' 30"  
(15') 39° 45'

Longitude 80° 47' 30"  
(15') 80° 45'



New Location  Drill Deeper  3/5/70 Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500  
Source of Elevation U.S.G.S. TRIANGULATION STATION (MC CRAY ECCENTRIC 1955) 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."

Company MOBAY CHEMICAL CORPORATION  
Address NEW MARTINSVILLE, W. VA.  
Farm JOHNNY NICE  
Tract Acres 426 Lease No. \_\_\_\_\_  
Well (Farm) No. NICE #2 Serial No. \_\_\_\_\_  
Elevation (Spirit Level) 1343.5  
Quadrangle NEW MARTINSVILLE (1:2400)  
County WETZEL District MAGNOLIA  
Surveyor HENRY M. PARSONS  
Engineer's Registration No. 98  
File No. 74-81 Drawing No. \_\_\_\_\_  
Date SEPT 15, 1976 Scale 1" = 2000'

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

WELL LOCATION MAP  
FILE NO. WET-610-DD  
DEEPENING CANCELLED

+ 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

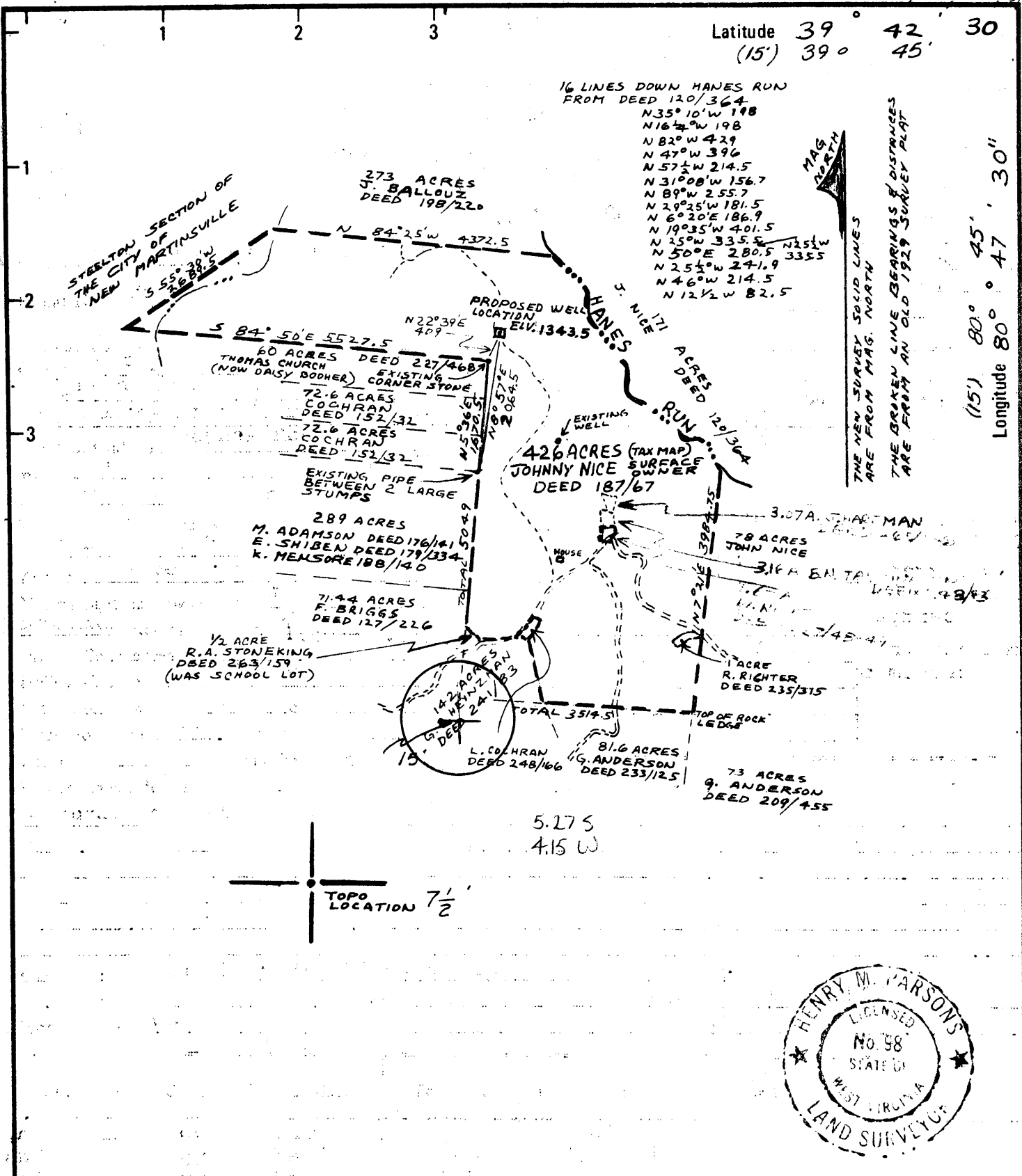
5200' ...

NOV 6 1980

11/30/76

Latitude 39° 42' 30" (15') 39° 45'

Longitude 80° 47' 30" (15') 80° 45'



New Location <input checked="" type="checkbox"/> Drill Deeper <input checked="" type="checkbox"/> 3/5/79 Abandonment <input type="checkbox"/>	Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500 Source of Elevation U.S. G.S. TRIANGULATION STATION (MC CRAY 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."
---	---

Company	MOBAY CHEMICAL CORPORATION
Address	NEW MARTINSVILLE, W. VA.
Farm	JOHNNY NICE
Tract	Acres CALLED 426 Lease No.
Well (Farm) No.	NICE #2 Serial No.
Elevation (Spirit Level)	1343.5 NE
Quadrangle	NEW MARTINSVILLE (1:2400)
County	WETZEL District MAGNOLIA
Engineer	HENRY M. PARSONS
Engineer's Registration No.	98
File No.	74-81 Drawing No.
Date	SEPT 15, 1976 Scale 1" = 2000'

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

WELL LOCATION MAP  
 FILE NO. WET-610-DD

+ 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.

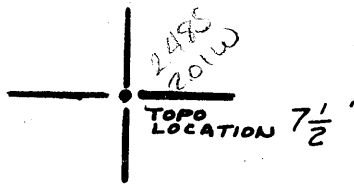
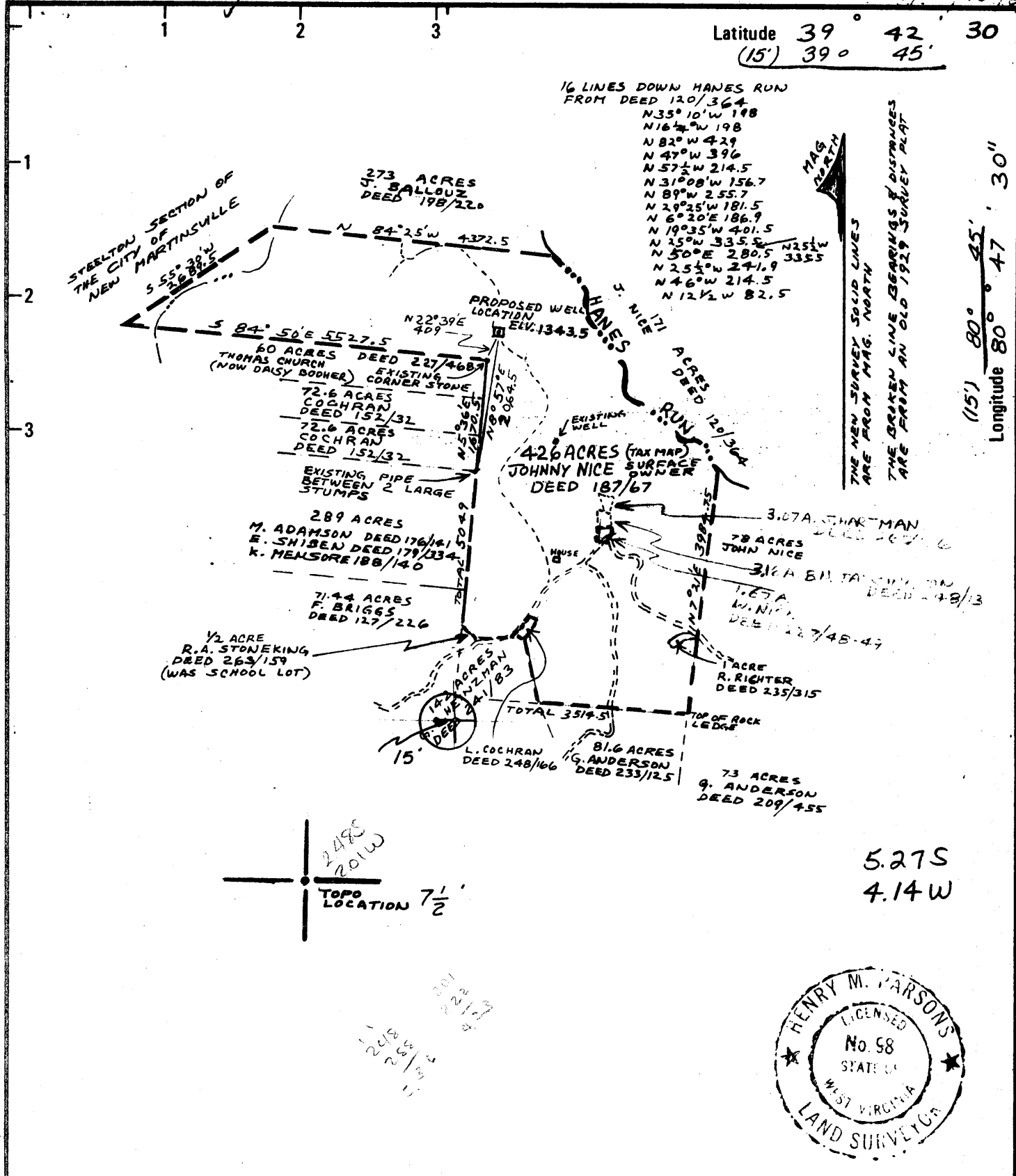
- Denotes one inch spaces on border line of original tracing.

47-103 MAR 21 1979

11/30/70 JS

Latitude  $39^{\circ} 42' 30''$   
 (15')  $39^{\circ} 45'$

Longitude  $80^{\circ} 47' 30''$   
 (15')  $80^{\circ} 45'$



5.27 S  
4.14 W



New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure METHODS USED SHOULD PRODUCE 1 IN 2500  
 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.  
 Farm JOHNNY NICE  
 Tract 426 Acres 426 Lease No. \_\_\_\_\_  
 Well (Farm) No. NICE #2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 1343.5 15' NE  
 Quadrangle NEW MARTINSVILLE (1:2400)  
 County WETZEL District MAGNOLIA  
 Surveyor HENRY M. PARSONS  
 Engineer's Registration No. 98  
 File No. 74-81 Drawing No. \_\_\_\_\_  
 Date SEPT 15, 1976 Scale 1" = 2000'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. WET-610  
 + 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**



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

**RECEIVED**  
JUL - 7 1977  
OIL & GAS DIVISION  
**DEPT. OF MINES**

**WELL RECORDS**

Quadrangle New Martinsville  
Permit No. Wet 610

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

Company Mobay Chemical Corporation  
Address Penn Lincoln Pkwy. W., Pittsburgh, Pa. 15205  
Farm Johnny Nice Heirs Acres 426  
Location (waters) Haynes Run  
Well No. 2 Elev. 1344  
District Magnolia County Wetzel

The surface of tract is owned in fee by Johnny Nice Heirs  
Address same

Mineral rights are owned by same; also Ralph C. McCormick  
Address same; also 250 Clark St. New Martinsville, WV

Drilling Commenced 12-9-76  
Drilling Completed 12-18-76  
Initial open flow 575,000 cu. ft. --- bbls.  
Final production same cu. ft. per day --- bbls.  
Well open --- hrs. before test --- RP.

Well treatment details:  
Natural completion

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4"	441	441	cemented to surface (200 sx)
9 5/8			
8 5/8	2402	2402	cemented w/200 s and gelled to surface
7			
5 1/2			
4 1/2	3097	3097	run, but not cemented
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at 1025-30, 1810-15 Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1055, 1175, 1800 Feet \_\_\_\_\_  
Producing Sand Gordon Depth 2958 - 2942

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandy shale	gy	hard	0	240		
Sand	gy	hard	240	275		
Sandy shale	gy	hard	275	490		
Sand	gy	hard	490	520		
Sandy shale	gy	hard	520	1025		
Coal	blk.	soft	1025	1030		
Shale	gy	soft	1030	1055		
Sand	gy	hard	1055	1105	water	1055
Shale	gy	soft	1105	1115		
Sand	gy	hard	1115	1135		
Sandy shale	gy	hard	1135	1165		
Sand	gy	hard	1165	1200	water	1175
Sandy shale	gy	soft	1200	1465		
Shale and Redrock		soft	1465	1560		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand	gy	hard	1560	1595		
Sandy shale	gy	soft	1595	1690		
Sand	gy	hard	1690	1725		show of gas 1700'
Sandy shale	gy	soft	1725	1795		
Sand	gy	hard	1795	1810		show water 1800'
coal	blk.	soft	1810	1815		
Sandy shale	gy	soft	1815	1890		
Sand	gy	hard	1890	1910		
Shale	gy	soft	1910	1950		
Sandy Shale	gy	soft	1950	1995		
Sand	gy	hard	1995	2040		
Sandy shale	gy		2040	2120		
lime	gy-wh, tan	hard	2120	2177		Greenbriar*
Sand	gy-wh	hard	2177	2343		Big Injun*
Shale & siltstone	gy	hard	2343	2476		
Silty SS	gy-wh	hard	2476	2590		Weir*
Shale & Siltstone	gy	soft	2590	2706		
Sand	gy-wh	soft-hard	2706	2720		Berea*
Shale	gy-maroon		2720	2958		
Silty sand	gy-wh	soft	2958	2982		Gordon* show of gas
Siltstone	gy-grn	soft	2982	3110		L.T.D. 3110

Date July 5, 19 77

By Haddad and Brooks, Inc., Agents for  
 APPROVED Mobay Chemical Corporation Owner

By Michael F. Yarusi, Geologist  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
NOV 8 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Johnny Mearl Nice Heirs,  
Nancy Nice, Agent  
Address Box 100, Rt. #1, Proctor, WV 26055  
Mineral Owner Same: also Ralph C. McCormick  
Address Same: also 250 Clark St. New Martinsville  
West Virginia  
Coal Owner Atlantic Richfield Co.  
Address 1500 Security Life Bldg., Denver, CO  
80202  
Coal Operator Same  
Address \_\_\_\_\_

DATE September 7, 1976  
Company Mobay Chemical Corporation  
Address Penn Lincoln Pkway W., Pgh, PA 15205  
Farm Johnny Nice Acres 426  
Location (waters) Haynes Run  
Well No. 2 Elevation 1344  
District Magnolia 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 3-30-77.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Wm. Blosser  
Fairmont  
PH: 363-9105 ADDRESS Colfax, 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 June 11 1976 by Beulah Nice Talkington et al made to Mobay Chemical Corporation and recorded on the 18th day of June 1976, in Wetzel County, Book 57A Page 35

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 \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with 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]  
by Haddad and Brooks, Inc. Well Operator  
Penn Lincoln Parkway West Street  
\_\_\_\_\_ of \_\_\_\_\_  
Well Operator Pittsburgh City or Town  
Pennsylvania 15205 State

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 recording 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-610 PERMIT NUMBER

47-103

BLANKET BOND

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

PROPOSED WORK ORDER TO X DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME S. W. Jack Drilling Company \_\_\_\_\_ NAME Mobay Chemical Corporation \_\_\_\_\_  
 ADDRESS Indiana, PA 15701 \_\_\_\_\_ ADDRESS New Martinsville, WV \_\_\_\_\_  
 TELEPHONE (412) 463-9191 \_\_\_\_\_ TELEPHONE (304) 455-4400 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 7000' \_\_\_\_\_ ROTARY X \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS \_\_\_\_\_ COMB. X \_\_\_\_\_ 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	2400'	2400'	cement w/ 75 sacks & gel to surface
7			
5 1/2			
4 1/2 production casing	as needed		cemented as needed
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER 2250 FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS Pgh. Coal 1000' \_\_\_\_\_  
 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.

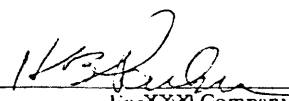
OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

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 Atlantic Richfield ~~COA~~ Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Atlantic Richfield ~~COA~~ 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.

  
 \_\_\_\_\_  
 Land Manager  
 Official Title



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

MAR - 5 1979

OIL & GAS DIVISION  
Oil and Gas Division DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.  
Johnny Mearl Nice Heirs,

Surface Owner Nancy Nice, Agent

Address Box 100, Rt. #1, Proctor, WV 26055

Mineral Owner Same; also Ralph C. McCormick

Address Same; also 250 Clark St. New Martinsville WV

Coal Owner Atlantic Richfield Co.

Address 1500 Security Life Bldg., Denver, CO 80202

Coal Operator Same

Address \_\_\_\_\_

DATE March 1, 1979

Company Mobay Chemical Corporation

Address Penn Lincoln Pkway W., Pgh, PA 15205

Farm Johnny Nice Acres 426

Location (waters) Haynes Run

Well No. 2 Elevation 1344

District Magnolia 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 deepening. This permit shall expire if operations have ~~not~~ commenced by 11-6-79.

John T. [Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Phil Tracy

ADDRESS Middlebourn, W. Va.

PHONE 758-4573

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 June 11 1976 by Beulah Nice Talkington et al made to Mobay Chemical Corporation and recorded on the 18th day of June 1976, in Wetzel County, Book 57A Page 35

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 May before, ~~on the same day with~~ 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, WEST VIRGINIA 26505  
AC-304 - 292-6331

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

\*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.

47-103-0610

~~WVXXXX~~ PERMIT NUMBER

47-103

BLANKET BOND



**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 Company NAME Mobay Chemical Corporation  
 ADDRESS Indiana, PA 15701 ADDRESS New Martinsville, WV  
 TELEPHONE (412) 463-9191 TELEPHONE (304) 455-4400  
 ESTIMATED DEPTH OF COMPLETED WELL: 5200' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Alexander  
 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	2400'	2400'	cement <del>to surface</del> to surface
7			
5 1/2			
4 1/2 production casing	as needed		cement as needed
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER 2250 FEET

APPROXIMATE COAL DEPTHS Pgh. Coal 1000'

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