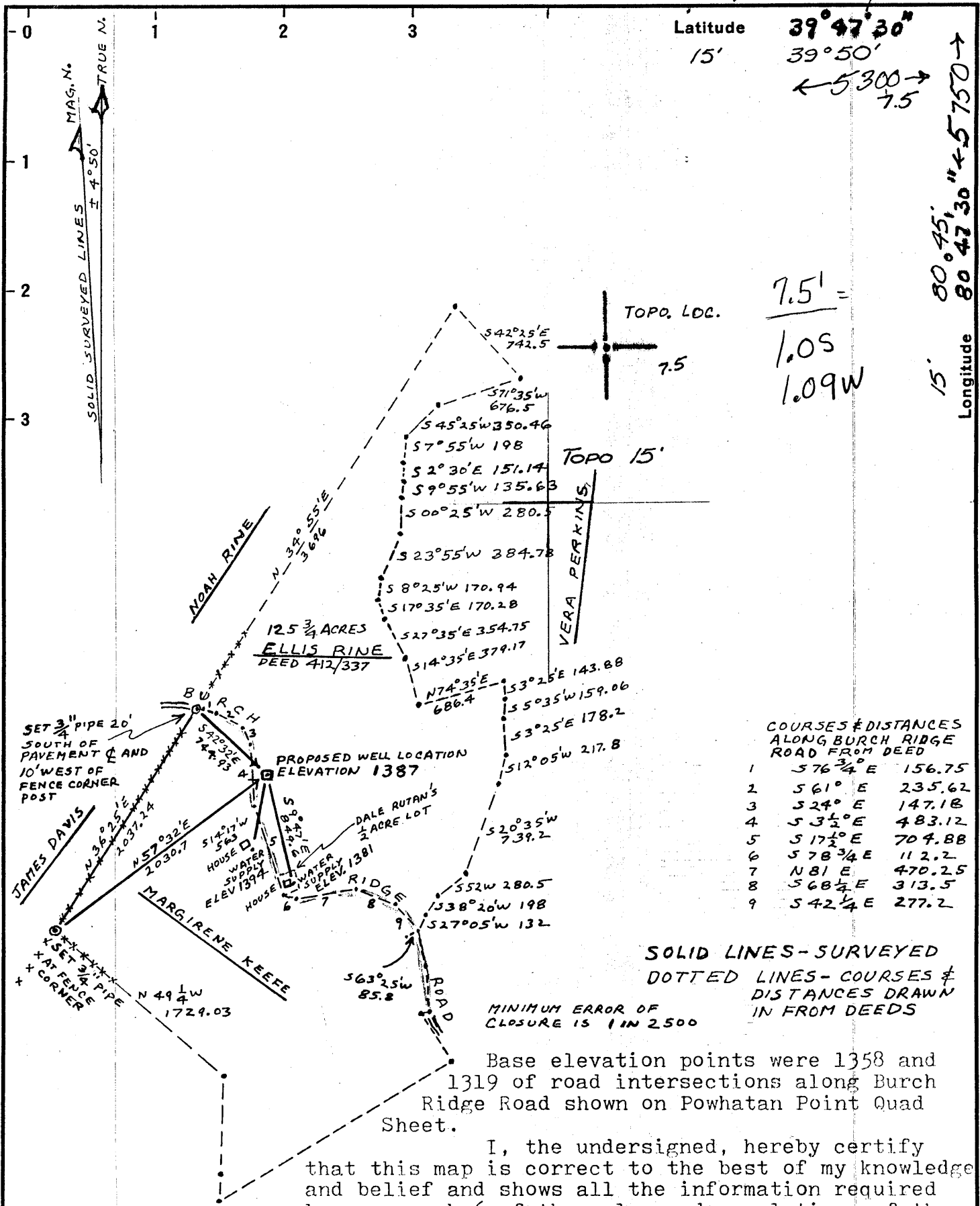


3,375 E



7.5' =
1.05
1.09W

COURSES & DISTANCES ALONG BURCH RIDGE ROAD FROM DEED

1	S 76 3/4° E	156.75
2	S 61° E	235.62
3	S 24° E	147.18
4	S 3 1/2° E	483.12
5	S 17 1/2° E	704.88
6	S 78 3/4° E	112.2
7	N 81° E	470.25
8	S 68 1/4° E	313.5
9	S 42 1/4° E	277.2

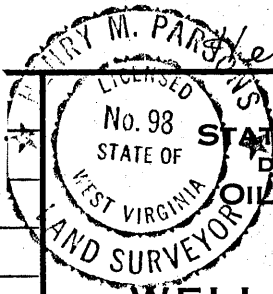
SOLID LINES - SURVEYED
 DOTTED LINES - COURSES & DISTANCES DRAWN IN FROM DEEDS

MINIMUM ERROR OF CLOSURE IS 1 IN 2500

Base elevation points were 1358 and 1319 of road intersections along Burch Ridge Road shown on Powhatan Point Quad Sheet.

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.

New Location
 Drill Deeper
 Abandonment



Henry M. Parsons

Compan: Haddad & Brooks, Inc.
 Address: 905 Washington Rd, Washington, Pa
 Surface: Joseph D. Pariott
 Farm: Ellis Rine
 Tract: 1 Acres: 125 3/4 Lease No.:
 Well (Farm) No.: 1 Serial No.:
 Elevation (Spirit Level): 1387
 Quadrangle: Powhatan Point (1:24000)
 County: Marshall District: Franklin
 Surveyor: Henry M. Parsons
 Engineer's Registration No.: 98
 File No.: Drawing No.:
 Date: Feb 27, 1975 Scale: 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. MARS-561-P

+ 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.

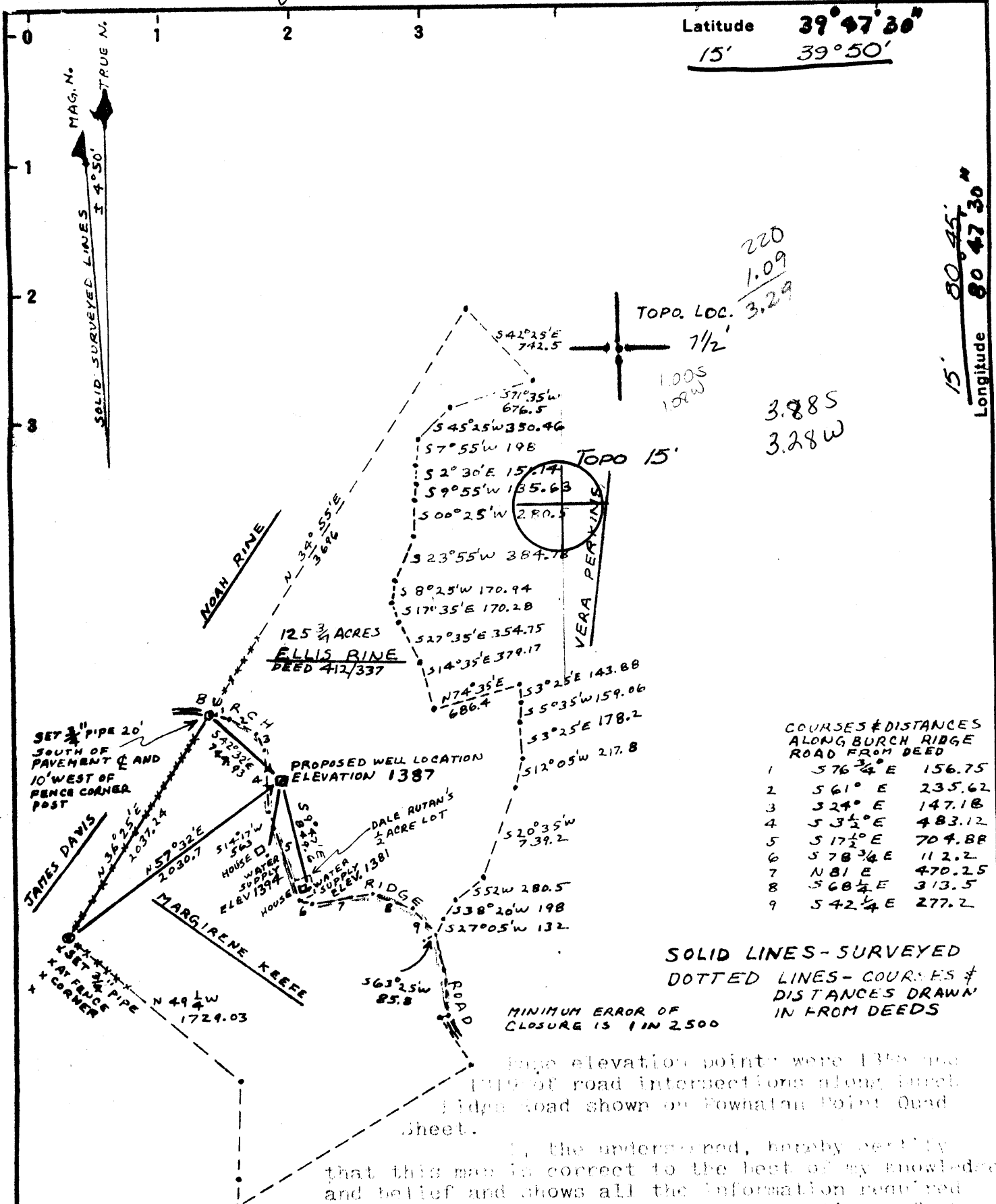
FEB 9 1987

47-051

2300' Big Iron

3,375 E

Latitude **39° 47' 30"**
15' 39° 50'



220
1.09
3.29

3.885
3.28W

COURSES & DISTANCES ALONG BURCH RIDGE ROAD FROM DEED

1	S 76 3/4° E	156.75
2	S 61° E	235.62
3	S 24° E	147.18
4	S 3 1/2° E	483.12
5	S 17 1/2° E	704.88
6	S 78 3/4° E	112.2
7	N 81° E	470.25
8	S 68 1/2° E	313.5
9	S 42 1/4° E	277.2

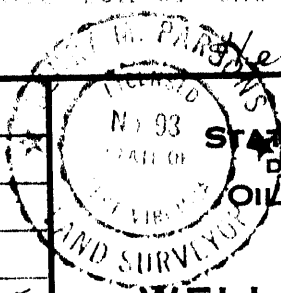
SOLID LINES - SURVEYED
 DOTTED LINES - COURSES & DISTANCES DRAWN IN FROM DEEDS

MINIMUM ERROR OF CLOSURE IS 1 IN 2500

Elevation points were 1387 and 1119 of road intersections along Inverlidge Road shown on Fountain Point Quad Sheet.

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.

New Location
 Drill Deeper
 Abandonment



Henry M. Parsons

Company Robay Chemical Corporation
 Address New Martinsville, West Va.
 Farm Ellis Rine
 Tract 1 Acres 125 3/4 Lease No. _____
 Well (Farm) No. 1 Serial No. SE
 Elevation (Spirit Level) 1387 Clarrington 15'
 Quadrangle 7/4 Rowhat a Point (1:24,000)
 County Marshall District Franklin
 Surveyor Henry M. Parsons
 Engineer's Registration No. 1
 File No. _____ Drawing No. _____
 Date Feb. 27, 1975 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. MARS-561

+ 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.

47-051

2300' Big Injon

Unnamed (22)

MAR 10 1975



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

RECEIVED

JUL 2 1975

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Powhatan Point

Permit No. Mars - 561

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

Company Mobay Chemical Company
Address Penn Lincoln Pkwy West, Pittsburgh, PA
Farm Ellis Rine Acres 126
Location (waters) Long Run
Well No. 1 Elev. 1387
District Franklin County Marshall
The surface of tract is owned in fee by Ellis Rine
Address New Matarmoras, Ohio
Mineral rights are owned by Noah C. and Manda M. Rine Address Moundsville, W.Va.
Drilling Commenced March 13, 1975
Drilling Completed May 27, 1975
Initial open flow 55,400 cu. ft. - bbls.
Final production 49,600 cu. ft. per day - bbls.
Well open 12 hrs. before test 375# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	408'	408'	150 sks - to surface
9 5/8			
8 5/8	1460'	347'	
7	1331'	1331'	64 sks - to 900' and gel to surface on packer set @ 1938'
5 1/2			
4 1/2	1941'	1941'	
3			
2			
Liners Used			

Well treatment details:

None

Attach copy of cementing record.

50 MCF

Coal was encountered at 455-57' 573-75', 645-46' 889-91', 969-74'
Fresh water 155', 380' Feet Salt Water 1512' Feet
Producing Sand Maxton Depth 1960-1971'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil & slate	gray	S	0	70		Driller's log
Sand	gray	H	70	104		
Slate	gray	S	104	108		
Redrock		S	108	115		
Slate	gray	S	115	160	FW 155'	2 bailers/hr.
Sand	gray	H	160	195		
Redrock		S	195	205		
Slate lime & redrock		S	205	335		
Sand	gray	H	335	375		
Slate & lime	gray	S	375	431	FW 380'	3 bailers/hr.
Redrock		S	431	435		
Slate & lime	gray	S	435	455		
Coal	black	S	455	457		
Slate & lime	gray	S	457	573		
Coal	black	S	573	575		
Slate & lime	gray	S	575	645		
Coal	black	S	645	646		
Slate & lime	gray	S	646	697		
Sand	gray	S	697	705		
Slate & lime	gray	S	705	735		
Redrock		S	735	755		

(over)

* Indicates Electric Log tops in the remarks section.

JUL 21 1975

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate & lime	gray	S	755	889		
Coal	black	S	889	891		
Sand & lime	gray	S	891	969		
Coal	black	S	969	974		
Slate	gray	S	974	985		
Sand	gray	H	985	994		
Slate & lime	gray	S	994	1020		
Slate, lime & redrock		S	1020	1071		
Sand	gray	H	1071	1100		
Slate, lime & redrock		S	1100	1189		
Sand	gray	H	1189	1208		
Slate & lime	gray	S	1208	1240		
Slate, lime & redrock		S	1240	1275		
Slate	gray	S	1275	1345		
Slate & shells	gray	S	1345	1372		
Slate	gray	S	1372	1460		
Sand	gray	H	1460	1477		Show coal 1402
Slate & shells	gray	S	1477	1612	little SW 1512'	
Sand	gray	H	1612	1640		
Slate & shells	gray	H	1640	1676		
Sand	gray	H	1676	1682		
Slate & shells	gray	H	1682	1716		Show coal 1699 + 1714' (?)
Sand	gray	H	1716	1844		
Slate	gray	S	1844	1910		
Sand	gray	H	1910	1928		
Slate & shells	gray	H	1928	1960		
Sand	gray	S	1960	1971	gas ✓	* Maxton
Slate	gray	S	1971	2000		
Lime	gray	H	2000	2017 TD		* Big Lime

2000
1387

613

Date June 23, 19 75

APPROVED Mobay Chemical Co. Owner

By S. L. Burk
(Title)

Haddad and Brooks, Inc.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
MAR 3 1975
OIL & GAS
DEPT. OF

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 20, 1975
Company Mobay Chemical Company
Address Penn Lincoln Parkway West
Pittsburgh, Pa. 15205
Farm Ellis Rine Acres 126
Location (waters) Long Run
Well No. 1 Elevation _____
District Franklin County Marshall
Quadrangle Powhatan Point (1:24000)

Surface Owner Ellis Rine
Address R.D. 1, Box 55 New Matamoras, Ohio
Mineral Owner Noah C. Rine
Address 320 Poplar Ave., Moundsville, WVa.
Coal Owner Ohio Edison Company
Address 47 N. Main St. Akron, Ohio
Coal Operator _____
Address _____

THIS PERMIT IS ISSUED IN ACCORDANCE WITH CHAPTER 20, SECTION 3 OF THE CODE OF WEST VIRGINIA. THE LOCATION IS HEREBY APPROVED FOR DRILLING. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 7-3-75.

Richard Morris
Inspector

INSPECTOR TO BE NOTIFIED Richard Morris
Grantsville, W.Va. PH: 354-7259

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 July 16 1974 by Noah C. Rine & Manda M. Rine made to Mobay Chemical Company and recorded on the 20th day of August 1975 in Marshall County, Book 446 Page 83

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.

Very truly yours, Mobay Chemical Company
(Sign Name) by JL Brooks
Well Operator
Haddad and Brooks, Inc.
Penn Lincoln Parkway West
Street
Pittsburgh
City or Town
Pennsylvania 15205
State

DEPARTMENT OF MINES AND GEOLOGICAL AND ECONOMIC SURVEY
1000 MAIN ST., P. VA. 25305
AS 304-250-4161

Address
of
Well Operator

*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.

MAFS-561

PERMIT NUMBER

47-051

BOND DEAD

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 Union Drilling Company NAME Mobay Chemical Company
 ADDRESS Buckhannon, W. Va. ADDRESS New Martinsville, W. Va.
 TELEPHONE (304) 472-4610 TELEPHONE (304) 455-4400
 ESTIMATED DEPTH OF COMPLETED WELL: 2300' ROTARY _____ CABLE TOOLS X
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS X 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	375'	375'	Cement to surface
9 - 5/8			
8 - 5/8	1,375'	1,375'	
7			
5 1/2			
4 1/2	2,300'	2,300'	200 sx.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 220, 350 FEET SALT WATER 1075, 1325 FEET 1750
 APPROXIMATE COAL DEPTHS 540, 600, 940
 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 Ohio Edison ~~XXX~~ Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Ohio Edison ~~XXX~~ 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.


Portland Company
General Supervisor of Real Estate
 Official Title

