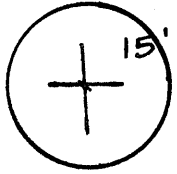
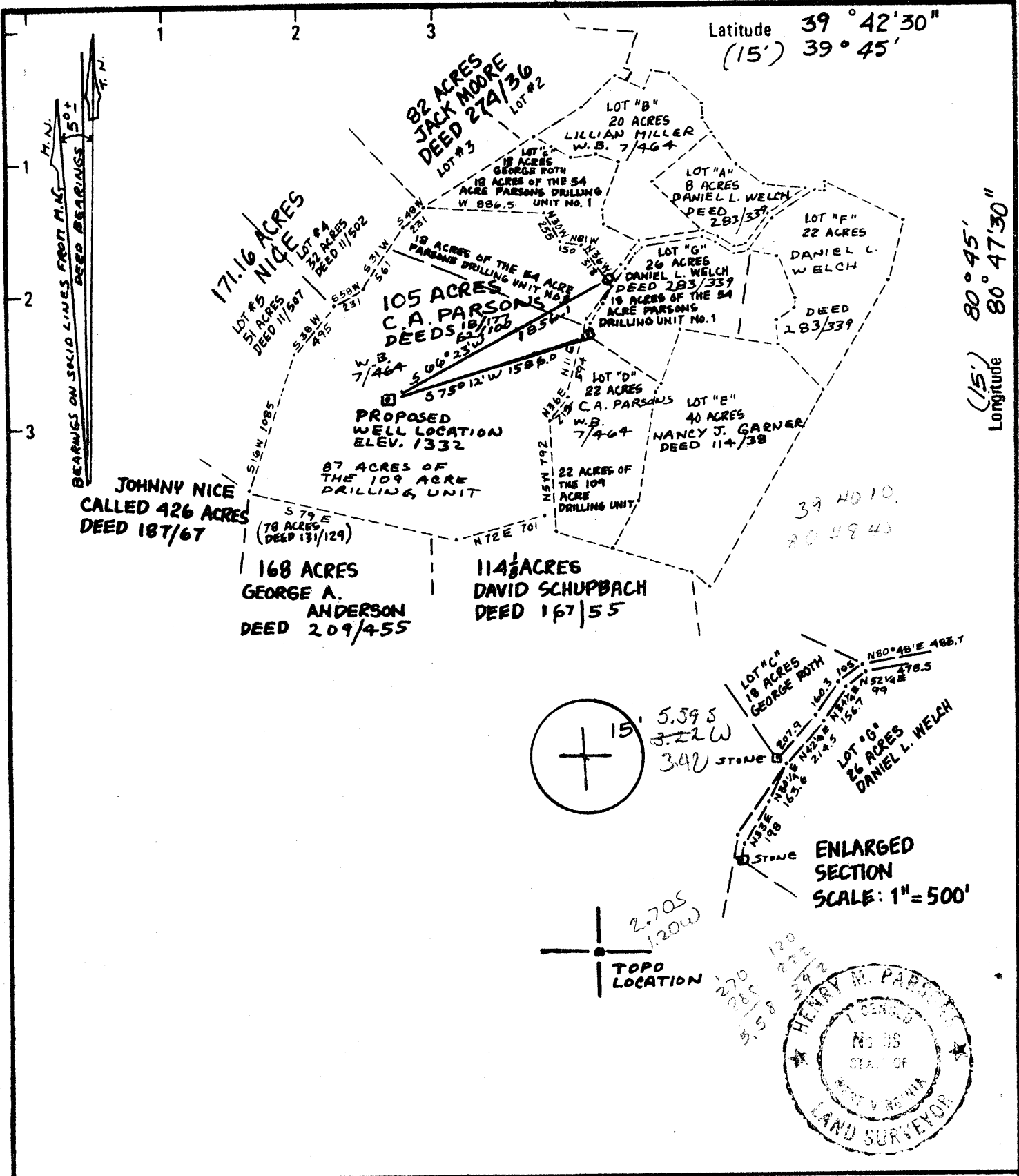


Latitude 39° 42' 30"
(15') 39° 45'

Longitude 80° 45'
(15') 80° 47' 30"



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 (MCCRAY 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 C.A. PARSONS
 Tract 109 ACRES DRILLING UNIT Lease No. _____
 Well (Farm) No. PARSONS #2 Serial No. _____
 Elevation (Spirit Level) 1332
 Quadrangle NEW MARTINSVILLE 7 1/2' 15'
 County WETZEL District PROCTOR
 SURVEYOR HENRY M. PARSONS
 SURVEYOR'S 98
 Engineer's Registration No. _____
 File No. 74-81 Drawing No. _____
 Date JUNE 20, 1979 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-103-1159

+ 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.

JUL 24 1979

FORM IV-35
(Obverse)

Operator's
Well No. C.A. Parsons Heirs #

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 103 1153
State County Perm

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal /
(If "Gas", Production / Underground storage / Deep / Shallow /)

LOCATION: Elevation: 1332' Watershed: Haynes Run
District: Proctor County: Wetzel Quadrangle: New Martinsville

WELL OPERATOR Mobay Chemical Corp. DESIGNATED AGENT Mobay Chemical
Address Penn Lincoln Pkwy. West Address New Martinsville, W. VA
Pittsburgh, PA 15205 26155

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation / DEC - 3 1979
Other physical change in well (specify) _____

OIL & GAS DIVISION

DEPT. OF MINES

PERMIT ISSUED ON July 2, 1979

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING, VERBAL PERMISSION OBTAINED

Name Phillip Tracy
Address Middlebourn W. VA

_____, 19____

GEOLOGICAL TARGET FORMATION: Alexander Depth 5400 feet

Depth of completed well, 3820 feet Rotary / Cable Tools _____

Water strata depth: Fresh, NA feet; salt, 1785 feet.

Coal seam depths: NA Is coal being mined in the area? NO

Work was commenced July 29, 1979, and completed August 15, 1979

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11 3/4		42	X		215	215	Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8		24	X		1860	1860	75sx Slass A, 4% caci and 4% gel to surf.
Production	4 1/2		9.5	X		3798	3798	350 sx Thixotropic set
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Weir SS / Gordon SS Pay zone depth 2500-94/2983-96 feet

Gas: Initial open flow, NA Mcf/d Oil: Initial open flow, - Bbl/d
Weir Final open flow, 280 Mcf/d Final open flow, - Bbl/d
Gordon
Warren Time of open flow between initial and final tests, - hours

Static rock pressure, - psig (surface measurement) after - hours shut in

[If applicable due to multiple completion--]

Second producing formation Warren SS Pay zone depth 3668-3700 feet

Gas: Initial open flow, NA Mcf/d Oil: Initial open flow, - Bbl/d
Final open flow, NA Mcf/d Final open flow, - Bbl/d

Time of open flow between initial and final tests, - hours

Static rock pressure, NA psig (surface measurement) after - hours shut in

[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforations Warren: 3673-92.5, 20 holes Frac: 500 gal Mod 202, Breakdown Pressure 1800 psi total sand - 10,000 #80/100 mesh sand, 27,000 #20/40 mesh sand, 665 bbls gel

Perforations Gordon: 2982-93.5, 18 holes Frac: 500 gal Mod 202 Breakdown Pressure 3400 psi total sand-15,000 #80/100 mesh sand, 45,000 20/40 mesh sand, 995 bbls water, 5 ton Co₂

Perforations Weir: 2509.5-10.5, 3 holes 2538.5-61, 17 holes 2587-91.5, 10 holes
Frac: 500 hal Mod 202 Breakdown pressure-2500 psi total sand 20,000 #80/100 mesh sand 40,000 #20/40 mesh sand 1,000 bbls gel, 15 tons Co₂

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
LS	Tan	H	2114	2207	Greenbriar
SS	Wh-GY	H-S	2207	2367	Big Injun
SH	GY	S	2367	2499	
SS, SLST	Wh-LTGY	H	2499	2594	Weir
SH	GY	S	2594	2733	
SS	LBR-LGY	H	2733	2748	Berea
SH-SLST	BR-GY	S	2748	2981	
SS, SLST	WH-LTGY	H	2981	2996	Gordon Gas
SH, SS, SLST	GY-HGY	S-H	2996	3667	
SS, SLST	WH-LTGY	H	3667	3700	Warren
SH, SLST	GY	S	3700	3811	
TD			3811		
			CHEMUNG		

3811
2996
815 EXPL F7.

(Attach separate sheets to complete as necessary)

Mobay Chemical Corp.
Well Operator
By Michael Cochran Geologist
Its Agent, Haddad and Brooks, Inc.

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. #2 C. A. Parsons Hrs

API Well No. 47 - 103 - 1159
State County Permit

WELL TYPE: Oil / Gas X /

(If "Gas", Production X / Underground storage / Deep / Shallow X /)

LOCATION: Elevation: 1332' Watershed: Haynes Run

District: Proctor County: Wetzel Quadrangle: New Martinsville

WELL OPERATOR Mobay Chemical Corporation

DESIGNATED AGENT Mobay Chemical Corporation

Address Penn Lincoln Parkway West
Pittsburgh, PA 15205

Address New Martinsville, WV 26155

OIL & GAS ROYALTY OWNER (Consolidation) C. A. Parsons Hrs. c/o Mary Buzzard
64 N. Ave., Cameron, WV 26033
Address 506 Clinton St., New Martinsville WV
Dan Welch
Huff Ridge, New Martinsville, WV

COAL OPERATOR None JUL - 2 1979

Address OIL & GAS DIVISION
DEPT. OF MINES

Acreage 109

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER C. A. Parsons Hrs., c/o Mary Buzzard

Name C. A. Parsons Hrs. c/o Mary Buzzard

Address 64 North Avenue
Cameron, WV 26033

Address 64 North Avenue
Cameron, WV 26033

Acreage 109

Name

FIELD SALE (IF MADE) TO:

Address

Name Mobay Chemical Corporation

Address New Martinsville, WV 26155

COAL LESSEE WITH DECLARATION ON RECORD:

Name Consolidation Coal Company

OIL & GAS INSPECTOR TO BE NOTIFIED

Address 1800 N. Washington Road

Name Phillip Tracy

Pittsburgh, PA 15241

Address Middlebourne, WV 26149

304-458-4573

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated 10/21/, 19 75, to the undersigned well operator from C. A. Parsons Heirs; George Roth; J. Kenneth Goddard

If said deed, lease, or other contract has been recorded:]

Recorded on 10/21/75 19/14/77, 6/21/, 19 75, in the office of the Clerk of the County Commission of Wetzel County, West Virginia, in Oil & Gas Book 56A, 57A, 56A page 293, 367, 1. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill deeper / Redrill / Fracture or stimulate X /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-2 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
105 WASHINGTON STREET EAST
CHARLESTON, WV 25301

BLANKET BOND

MOBAY CHEMICAL CORPORATION

Well Operator

By J. L. Scott

For HADDAD AND BROOKS, INC agent for

Mobay Chemical Corporation

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling Company
Address 43 S. Ninth Street
Indiana, PA 15701

GEOLOGICAL TARGET FORMATION, Alexander Formation

Estimated depth of completed well, 5400 feet Rotary / Cable tools _____
Approximate water strata depths: Fresh, 75 feet; salt, 1800 feet.
Approximate coal seam depths: 1050 IS coal being mined in the area: Yes _____ / No

CASING AND TUBING PROGRAM

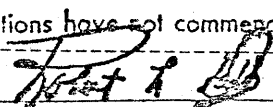
CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	1 3/4		42#	X		200'	200'	cement to surface	
Coal									Sizes
Intermediate	8 5/8	K55	24#	X		2000'	2000'	cement w/ 15 sx & gel to surface	
Production	4 1/2	K55	10.5#	X		as needed		cemented as needed	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

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 3-5-80.


Deputy Director - Oil & Gas Division

to be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____

Its _____