

Minimum Error of Closure 1' IN 200'

Source of Elevation U.S.G.S.

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.

Signed: Paul K. Marshall

- Fracture
- New Location
- Drill Deeper
- Abandonment

Map No.

Squares: N S E W

MUSTANG PETROLEUM INC.

301 LANCASTER ST. MARIETTA OHIO

MICHAEL E. HEITZ

Acres 7.64 Lease No. \_\_\_\_\_

Well No. 1 Serial No. \_\_\_\_\_

Spirit Level 686

PARKERSBURG

WOOD District WILLIAMS

SURVEYOR Paul K. Marshall

SURVEYOR'S Registration No. 580

Drawing No. \_\_\_\_\_

DATE FEB 9, 1981 Scale 1" = 200'

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

**WELL LOCATION MAP**

FILE NO. 47-107-1144

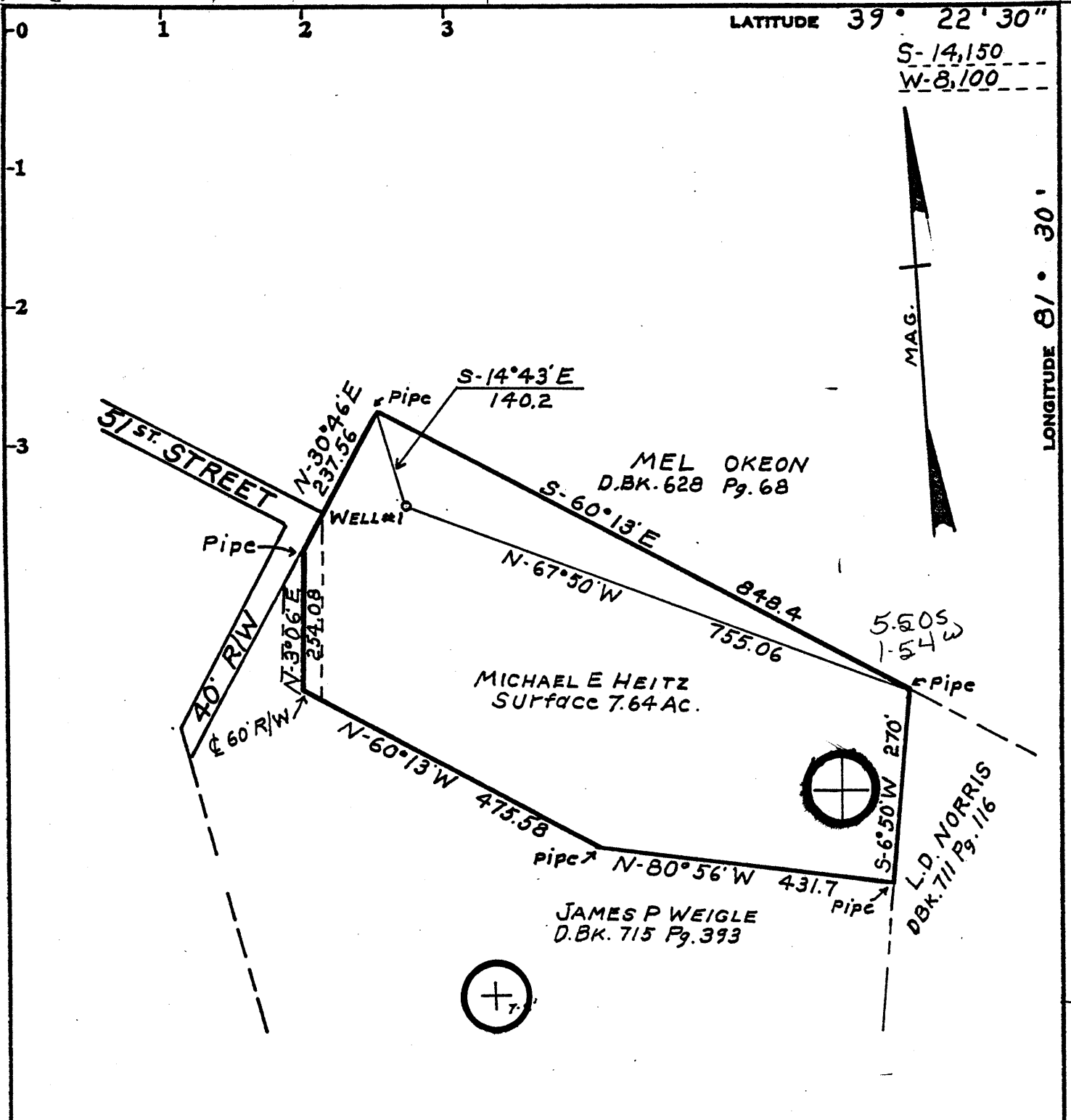
Cancelled

+ Denotes location of well on United States Topographic Maps, scale 1 to 24000, latitude and longitude lines being represented by border lines as shown.

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

MAY 16 1983

WOOD 1144 CAN.



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Map No.

Company MUSTANG PETROLEUM INC.  
 Address 301 LANCASTER ST. MARIETTA OHIO  
 Farm MICHAEL E. HEITZ  
 Tract \_\_\_\_\_ Acres 7.64 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 686  
 Quadrangle PARKERSBURG + 15 EC  
 County WOOD District WILLIAMS  
 SURVEYOR Paul K. Marshall  
 SURVEYOR'S Registration No. 580  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date FEB 9, 1981 Scale 1" = 200'

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

WELL LOCATION MAP  
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OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  / Gas   
(If "Gas", Production \_\_\_ / Underground storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_)

LOCATION: Elevation: 686 Watershed: \_\_\_\_\_

District: Williams County: Wood Quadrangle: \_\_\_\_\_

WELL OPERATOR Mustang Petroleum, Inc. DESIGNATED AGENT Mustang Petroleum, Inc.

Address 301 Lancaster Street Address 301 Lancaster Street  
Marietta, OH 45750 Marietta, OH 45750

OIL & GAS  
PROPERTY OWNER Micheal Heitz

Address Vienna, WV

Acreage 7.64

FACE OWNER In Fee

Address \_\_\_\_\_

Acreage 7.64

LAND SALE (IF MADE) TO:

Name \_\_\_\_\_

Address \_\_\_\_\_

PERSON AND GAS INSPECTOR TO BE NOTIFIED:

Name K. Paul Goodnight # 477-3660

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 1/2, 1981, to the undersigned well operator from Mustang Petroleum, Inc. (said deed, lease or other contract has been recorded:)

Recorded on 1/2, 1981, in the office of the Clerk of the County Commission of Wood County, West Virginia, in Deed Book 749, at page 151. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /

Other physical change in well (specify) After drilling, well will be fractured, if productive.

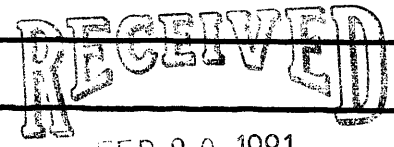
--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any action they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by 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 abovenamed 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 PHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS

NET BOND

Mark Becker, Pres.  
Well Operator



FEB 20 1981

OIL & GAS DIVISION

DEPT. OF MINES

PROPOSED WORK ORDER

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

BILLING CONTRACTOR (IF KNOWN) R. H. Whipkey  
Address Rosemar Road and Hazel Streets  
Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION, Devonian Shale (Middle)

Estimated depth of completed well, 4400' feet Rotary X / Cable tools      /  
Approximate water strata depths: Fresh, 200 feet; salt, 1200 feet.  
Approximate coal seam depths: None Is coal being mined in the area? Yes      / No X /

HOUSING AND TUBING PROGRAM

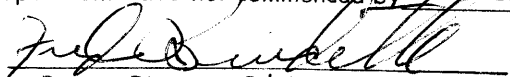
HOUSING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	10"				X	20'	20'	None	Kinds:
Fresh water	8 5/8"	K-55	24#	X		600'	600'	To Surface	
Coal									Sizes
Intermediate									
Production	4 1/2"	K-55	10.50#	X			4400'	Aprx. 400 cu. ft.	Depths set
Tubing	2 3/8"	K-55	4.0#	X			4350'	None	
Packers									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 dwelling 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 10-23-81.

  
Deputy Director - Oil & Gas Division

The following waiver must 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 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