

MEL OKEON  
D.B.K. 628 Pg. 68

R.M. GATES  
D.B.K. 416 Pg. 178

0.00 S  
1.18 W

0.00 S  
1.18 W

S-0.000  
W-6.250'

913120

ROSEMAR MEADOWS  
SUBDIVISION

LINDSEY D. NORRIS  
Surface 29.52 Ac.

JAMES P WEIGLE  
D.B.K. 715 Pg. 393

Minimum Error of Closure 1' IN 200

Source of Elevation USGS

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

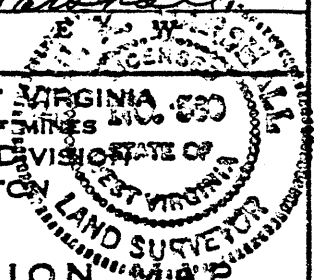
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *Paul K. Marshall*  
Squares: N S

Map No.

Company MUSTANG PETROLEUM INC.  
 Address 301 LANCASTER ST. MARIETTA OHIO  
 Farm LINDSEY D. NORRIS  
 Tract \_\_\_\_\_ Acres 29.52 Lease No. \_\_\_\_\_  
 Well (Farm) No. 1 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 701  
 Quadrangle PARKERSBURG 415 SE  
 County WOOD District WILLIAMS  
 SURVEYOR Paul K. Marshall  
 SURVEYOR'S Registration No. 580  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date FEB. 10, 1981 Scale 1" = 200'

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



WELL LOCATION MAP

FILE NO. 47-107-1145

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

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



**RECEIVED**  
MAY 29 1981

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

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Parkersburg

Permit No. 47-107-1145

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

Company MUSTANG PETROLEUM, INC.  
Address 301 Lancaster Street, Marietta, Ohio  
Farm Joseph P. Norris Acres 29.64  
Location (waters) \_\_\_\_\_  
Well No. 1 Elev. 701  
District Williams County Wood  
The surface of tract is owned in fee by \_\_\_\_\_  
Joseph P. Norris  
Address Vienna, WV  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_  
Drilling Commenced 2/25/81  
Drilling Completed 3/3/81  
Initial open flow show cu. ft. -- bbls.  
Final production 200M cu. ft. per day -- bbls.  
Well open 68 hrs. before test 600 RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. <del>13 10"</del> 11 3/4"	40'	40'	Surface
9 5/8			
8 5/8	753'	733'	Surface
7			
5 1/2			
4 1/2	2552'	2512'	240 Sks.
3			
2			
Liners Used			

Attach copy of cementing record.  
80 Ft. 200 BBL. 15,000# 80/100 45,000# 20/40 500 Gal. Acid 2286' - 2306'  
Berea 200 BBL. 15,000# 80/100 45,000# 20/40 500 Gal. Acid 1966' - 1992'

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 1" @ 520' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand 30 FT. - BEREA Depth 2286' - 1966'  
GORD

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	10		
Clay			10	35		
Sand			35	63		
Shale			63	84		
Sand, Shale			84	295		
Sand			295	440		
Shale			440	666		Fresh H <sub>2</sub> O 1" @ 520'
Sand, Shale			666	887		
Sand			887	1056		
Shale			1056	1288		
Sand, Shale			1288	1490		
Big Lime			1490	1610		
Sand, Shale			1610	1951		
Berea			1951	1990		Gas Show @ 1960'
Sand, Shale			1990	2282		
<u>30 FT. Sand</u> <u>GORD</u>			2282	2306		Gas Show @ 2290'
Sand, Shale			2306	2552 T.D.		

JUN 15 1981

Date: 2/12/81  
Farm  
Name: Joseph Norris

OIL AND GAS WELL PERMIT APPLICATION

API No. 47-107-1145  
State County Perm

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

ELEVATION: Elevation: 686 Watershed: \_\_\_\_\_

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

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

Address 301 Lancaster Street  
Marietta, OH 45750

Address 301 Lancaster Street  
Marietta, OH 45750

WELL & GAS  
PROPERTY OWNER Joseph P. Norris

Address Vienna, WV

COAL OPERATOR None

Address \_\_\_\_\_

Acreage 29.64

COAL OWNER(S) WITH DECLARATION ON RECORD:

INTEREST OWNER In Fee

Address \_\_\_\_\_

Name None

Address \_\_\_\_\_

Acreage 29.64

WELL SALE (IF MADE) TO:

Address \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

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FEB 20 1981

OIL & GAS DIVISION  
DEPT. OF MINES

COAL LESSEE WITH DECLARATION ON RECORD:

Name None

Address \_\_\_\_\_

WELL 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 1/29, 1981 to the

undersigned well operator from Mustang Petroleum, Inc.

(said deed, lease or other contract has been recorded:)

Recorded on 2/3, 1981, in the office of the Clerk of the County Commission of Wood County, West Virginia, in \_\_\_\_\_ Book \_\_\_\_\_, at page \_\_\_\_\_. 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

Drilled, 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 above named coal operator, coal owner(s), and coal lessees 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: **BLANKET BOND**

Mustang Petroleum, Inc.  
Well Operator

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

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 /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Cu. ft. Depths set, 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 10-28-81

[Signature] 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 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 \_\_\_\_\_