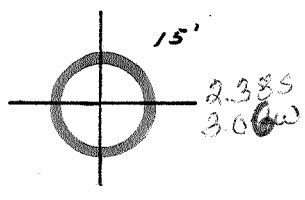


Plot Card CSO

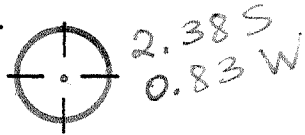
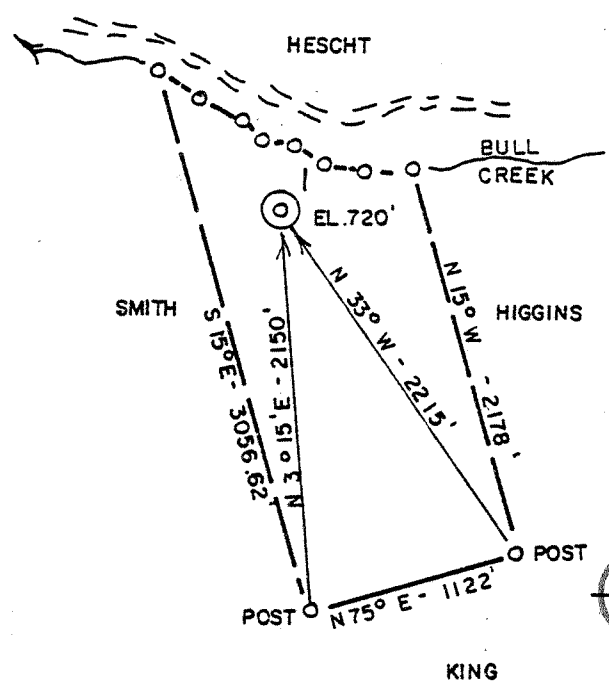
Latitude 39° 20' 00"

12,920' SOUTH
4,480' WEST

Longitude 81° 17' 30" 81° 15'



39 17 55
81 18 25



ACCURACY: 1'/200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

Formation SHALE Oil
 Est. Depth 4000' Gas
 Other

Source of Elevation BULL CREEK RD. (661')
 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.

Chet Waterman

Company	MUSTANG PETROLEUM CORP.
Address	PARKERSBURG, WV
Surface Owner	CLYDE REYNOLDS
Mineral Owner	" "
Well No.	1
Acres	68
Elevation	720' SE <i>Maletta 15'</i>
Quadrangle	WILLOW ISLAND Series 7.5'
County	WOOD District WALKER
Date	12/17/80 Scale 1" = 1000'

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

WELL LOCATION MAP
47 - 107 - 1121
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-757

3-3 HORSENECK (075) JAN 26 1981 75

RECORDED



JUL 29 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL & GAS DIVISION
DEPT. OF MINES and Gas Division

WELL RECORD

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

Quadrangle Willow Island

Permit No. 47-107-1121

Company MUSTANG PETROLEUM, INC.
Address 301 Lancaster St., Marietta, O.
Farm Clyde A. & Betty J. Reynolds 88.5
Location (waters) Bull Run
Well No. 1 Elev. 720'
District Walker County Wood
The surface of tract is owned in fee by Same as above
Clyde A. & Betty J. Reynolds
Address Rt. 1, Waverly, WV
Mineral rights are owned by Same as above
Address _____
Drilling Commenced 1/30/81
Drilling Completed 2/7/81
Initial open flow Show cu. ft. _____ bbls.
Final production 200M cu. ft. per day -- bbls.
Well open 48 hrs. before test 600 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. XXXX 11 1/4	20'	20'	Surface
9 5/8			
8 5/8	755'	735'	Surface
7			
5 1/2			
4 1/2	4368'	4358'	630 Sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Benson & Riley 240 BBL. 15,000 #80/100 45,000 #20/40 500 Gal. Acid
3890' - 4342'

Shale 245 BBL. 15,000 #80/100 45,000 #20/40 1000 Gal. Acid
3330' - 3819'

Shale, Gordon & 30' 240 BBL. 15,000 #80/100 45,000 #20/40 1200 Gal. Acid
1923' - 3255'

Coal was encountered at _____ Feet _____ Inches

Fresh water 1" @ 196' Feet _____ Salt Water 1/2" @ 375' Feet _____

Producing Sand Benson & Riley - Shale, Gordon & 30' Depth 3890', 3330', 1923'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	32		
Shale			32	68		
Sand, Shale			68	180		
Sand			180	245		Fresh H ₂ O 1" @ 196'
Shale			245	453		Salt H ₂ O 1/2" @ 375'
Sand, Shale			453	870		
Sand			870	1244		
Shale			1244	1610		
Sand, Shale			1610	1918		
Weir			1918	1926		
Sand, Shale			1926	2036		
Berea			2036	2053		
Sand, Shale			2053	2171		
Gantz			2171	2187		
Sand, Shale			2187	2328		
30' Sand			2328	2349		
Sand, Shale			2349	2724		
Gordon Stray			2724	2741		
Sand, Shale			2741	2816		
Gordon			2816	2860		Gas Show @ 2835'
Sand, Shale			2860	4003		

(over)

AUG 11 1981

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Riley			4003	4171		
Sand, Shale			4171	4354		
Benson			4354	4361		
Sand, Shale			4361	4368 T.D.	Gas Show @ T.D.	

4368
3700
 668 EXPLF

3350
 720
4070

Date 5-10 1981

APPROVED W. M. Denny, Owner

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas ___ /
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 720' Watershed: _____

District: Walker County: Wood Quadrangle: Willow Island

WELL OPERATOR Mustag Petroleum, Inc.
Address 900 Core Road
Parkersburg, WV 26101

DESIGNATED AGENT John H Adair
Address 2930 Fairview Avenue
Parkersburg, Wv 26101

OIL & GAS
PROPERTY OWNER Clyde A. & Betty J. Reynolds
Address Route # 1
Waverly, WV

COAL OPERATOR None
Address _____

Acreage 88.5

COAL OWNER(S) WITH DECLARATION ON RECORD:

FACE OWNER In Fee
Address _____

Name None

Acreage 88.5

Address _____

LAND SALE (IF MADE) TO:
Name _____
Address _____
Address _____

Name _____
Address _____
Name **RECEIVED**
DEC 29 1980

OIL & GAS DIVISION
DEPT. OF MINES
COAL LESSEE WITH DECLARATION ON RECORD:

AND GAS INSPECTOR TO BE NOTIFIED:
Name _____
Address _____

Name None
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease ___ / other contract ___ / dated Oct. 15, 1980, to the undersigned well operator from Clyde Alvin & Betty Jean Reynolds (said deed, lease or other contract has been recorded.)
Recorded on Oct. 21, 1980, in the office of the Clerk of the County Commission of Pleasant County, West Virginia, in Deed Book 158, at page 567. A permit is requested as follows:

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

--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 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: **BLANKET BOND**
OFFICE OF OIL AND GAS

John Adair - Director
Well Operator

PROPOSED WORK ORDER

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

DRIILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 4200 feet Rotary / Cable tools _____ /

Approximate water strata depths: Fresh, 300 feet; salt, _____ feet.

Approximate coal seam depths: None 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		
Conductor	10"				X	20'	20'	Kinds
Fresh water	8 5/8"	k-55	24#	X		500'	500'	To Surface
Coal								Sizes
Intermediate								
Production	4 1/2"	k-55	10.50	X		4200'	4200'	420 SKS 200 cu ft Depths set
Casing								or as reqd
Packers								by rule 15.6 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-3 shall not be required for fracturing or stimulating a well when 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 8-31-81.

J. E. Murray
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 _____