



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

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 McDUFF, INC.

Address NASHVILLE, TENN.

Farm J.F. CARPENTER

Tract Acres 120 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 681'

Quadrangle ST. MARYS WC

County PLEASANTS District WASHINGTON

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 73003-519 Drawing No. _____

Date 10/31/73 Scale 1" = 40p

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

WELL LOCATION MAP

FILE NO. Pleas-681

+ 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.

47 073

66 Belmont (76) (77) St Marys



OIL & GAS DIVISION
DEPT OF MINES

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

Quadrangle St Marys
Permit No. 681

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

Company <u>Ma Duff Inc</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P.O. Box 12521 Nashville TN 37212</u>	Size			
Farm <u>J. F. Carpenter</u> Acres <u>120</u>	20-16			
Location (waters) <u>French Creek / Ohio River</u>	Cond.			
Well No. _____ Elev. <u>681</u>	13-10"			
District <u>Washington</u> County <u>Measades</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8			
Address <u>J. Franklin Carpenter</u>	7	1463	1463	250'
Mineral rights are owned by _____ W.Va	5 1/2			
Address <u>Same</u>	4 1/2	2413	2413	928'
Drilling Commenced <u>12-20-73</u>	3			
Drilling Completed <u>12-27-73</u>	2	2250	2250	- - -
Initial open flow _____ cu. ft. <u>7</u> bbls.	Liners Used			
Final production _____ cu. ft. per day <u>7</u> bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:
 Attach copy of cementing record. - Halliburton
1600 lbs water, 3000 lbs 20/40 sand
RDP 1600 PSI, AIR 18BPM, ATP 3100 PSI
LSIP 1600, 1300 PSI 10 min - Halliburton

Coal was encountered at _____ Feet _____ Inches
 Fresh water _____ Feet _____ Salt Water _____ Feet
 Producing Sand Carbon shale = Devonian Shale Depth 2254 - 2354

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sandstone			0	224		
Shale			224	456		
Sandstone			456	488		
Shale			488	652		
Sandstone			652	689		
Shale			689	746		
Sandstone			746	802		
Shale			802	892		
Sandstone			892	1235		
Devonian Shale / Sandstone			1235	2418		T.D.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 7 1973

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 26, 1973

Surface Owner J. Franklin Carpenter, et ux
Address 400 Morgan Ave, St. Marys, W. Va.
Mineral Owner J. Franklin Carpenter, et ux
Address same
Coal Owner J. Franklin Carpenter, et ux
Address same
Coal Operator _____
Address _____

Company McDuff, Inc.
Address P.O. Box 12551, Nashville, Tn.
Farm Carpenter, J. F. Acres 204
Location (waters) French Creek
Well No. 1 Elevation 681
District Washington County Pleasants
Quadrangle Marietta

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 3-28-74

Robert R. Hoad
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garnett
Paden City, W. Va. PH: 337-9386

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 23 1973 by F. D. Duncan made to McDuff, Inc. and recorded on the 30 day of July 1973, in Pleasants County, Book 135 Page 583

XX 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, McDuff, Inc.
(Sign Name) J. F. Carpenter Well Operator
P.O. Box 12551
Street
Nashville,
City or Town
Tennessee 37212
State

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.

BLANKET BAND

Pleas-681 PERMIT NUMBER

Survey

117 073

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO xx DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME G. L. Haught & Sons NAME Harold W. Wilson
 ADDRESS Smithville, W. Va. 26178 ADDRESS Parkersburg, W. Va.
 TELEPHONE 304-477-2222 TELEPHONE 304-422-6591
 ESTIMATED DEPTH OF COMPLETED WELL: 3500' ROTARY xx CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Ohio Shale
 TYPE OF WELL: OIL _____ GAS _____ COMBxx _____ 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			
9 - 5/8			
8 - 5/8	300'	300'	circulate
7			
5 1/2			
4 1/2	3500'	3500'	50 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS unknown FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS unknown _____
 IS COAL BEING MINED IN THE AREA? unknown 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 RE-DRILL:

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 _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal 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.

For Coal Company

Official Title