



ACCURACY: 1 P / 200 P

Source of Elevation B.M. ON NUTTER FORK (975')

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

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

Company MURVIN OIL CO.
 Address OLNEY, ILL.
 Farm G.L. SWENTZEL
 Tract _____ Acres 103 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1260
 Quadrangle CENTER POINT SW
 County DODDRIDGE District WEST UNION
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 74003-518 Drawing No. _____
 Date 10/31/74 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. DOD-1776

+ 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.

47 017



SEP 16 1975

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

Rotary
Spudder
Cable Tools
Storage

Centerpoint

Permit No. DOD-1776

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Murvin Oil Corporation
Address P.O. Box 297, Olney, Illinois
Name G. L. Swentzel Acres 103
Location (waters) Nutter Fork
Well No. 1 Elev. 1260'
District West Union County Doddridge
The surface of tract is owned in fee by Sidney Underwood
Address Grantsville, WV.
Mineral rights are owned by G. L. Swentzel Hrs.
Address Grantsville, WV.
Drilling commenced 12/9/74
Drilling completed 1/4/75
Date Shot From To
With
Open Flow /10ths Water in no test Inch
/10ths Merc. in Inch
Volume no test Cu. Ft.
Block Pressure mp test lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) 1000 gal. water, 50M sand

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|--------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | Size of |
| 10 | | | |
| 8 8 5/8 | 292 | 292 | Depth set |
| 6 3/4 | | | |
| 5 3/16 | | | Perf. top |
| 4 1/2 | 2200 | 2200 | Perf. bottom |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | |

Attach copy of cementing record.
CASING CEMENTED 8 5/8 SIZE 292 No. Ft. 12/10/74 Date
Amount of cement used (bags) 100 sks
Name of Service Co. Jawson/2200'-4 1/2"-100 sks.
COAL WAS ENCOUNTERED AT none FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 500 MCF
ROCK PRESSURE AFTER TREATMENT 225# HOURS 24
Fresh Water 80 F Feet. Salt Water none Feet.
Producing Sand Big Injun Depth 2048 - 2086

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|--------------|-------|--------------|---------|--------|-------------------|-------|---------|
| Clay & Shale | | | surface | 1510 | | | |
| Sand | | | 1510 | 1600 | | | |
| Shale | | | 1600 | 1620 | | | |
| Sand | | | 1620 | 1630 | | | |
| Shale | | | 1630 | 1670 | | | |
| Sand | | | 1670 | 1710 | | | |
| Shale | | | 1710 | 1724 | | | |
| Salt Sand | | | 1724 | 1760 | | | |
| Shale & Sand | | | 1760 | 1950 | | | |
| Big Lime | | | 1950 | 2030 | | | |
| Big Injun | | | 2030 | 2194 | show gas | | |
| Shale | | | 2194 | 2250 | | | |
| TD | | | 2250 | | | | |

(over)

SEP 30 1975



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 11, 1974

Surface Owner Sidney Underwood

Company Murvin Oil Corp.

Address Grantsville, WV

Address P.O. Box 297, Olney, Illinois

Mineral Owner G. L. Swentzel Heirs

Farm G. L. Swentzel Acres 103

Address Grantsville, WV

Location (waters) Nutter Fork

Coal Owner none

Well No. 1 Elevation 1260'

Address _____

District West Union County Doddridge

Coal Operator none

Quadrangle Center Point

Address _____

THE PERMIT IS VALID FOR THE WELL AND

in accordance with Chapter 22,
Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 3-12-75

Robert L. Dodd
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Richard Morris
Grantsville, W.Va. PH: 354-7259

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 April 10, 1906 by G. L. Swentzel et ux made to West Union Gas Co. and recorded on the 17th day of April 1906, in Doddridge County, Book 23 Page 482

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,
Walter H. Blowers Agent
(Sign Name)

Murvin Oil Corporation
P. O. Box 297
Street
Olney,
City or Town
Illinois 62450
State

Address
of
Well Operator

PLEASE SUBMIT COPIES OF ALL
ECONOMICAL LOSS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

*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 BOND

DOD-1776 PERMIT NUMBER

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Glenn L. Haught & Sons NAME Dennis D. Blausen, Agent
 ADDRESS Smithville, WV 26178 ADDRESS P.O. Box 216, Glenville, WV 26359
 TELEPHONE 477 2222 TELEPHONE 462 8122
 ESTIMATED DEPTH OF COMPLETED WELL: 2200' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL _____ GAS X COMB. _____ 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 | | 200' | to surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2200' | 100 sacks |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS none _____
 IS COAL BEING MINED IN THE AREA? no 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 REDRILL:

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