



0.515
0.18W

39 09 30
80 50 16

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

Source of Elevation USGS AT RD. FORKS AT SUMMERS ELV. 825'

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.

Minimum accuracy, one part in 200

| | |
|---|---------------------------|
| Company C & P OIL AND GAS CO. | |
| Address 2202 PRIDE AV., C-BURG, W.VA. | |
| Farm M. S. GASTON | |
| Tract _____ | Acres 102 |
| Lease No. 18256 | |
| Well (Farm) No. 1 | Serial No. _____ |
| Elevation (Spirit Level) 1038' | |
| Quadrangle HOLBROOK NE 32 C | |
| County DODDRIDGE | District SOUTHWEST |
| Engineer R. J. McMillan | |
| Engineer's Registration No. L.L.S. NO. 105 | |
| File No. 231/52 | Drawing No. _____ |
| Date 11/18/77 | Scale 1" = 500' |

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

WELL LOCATION MAP
FILE NO. **DODD-1883**

+ 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.

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

47-017



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

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OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Holbrook
Permit No. DODD-1883

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

Company C & P Oil & Gas Co.
Address Clarksburg, WV 26301
Farm M. S. Gaston Acres 102
Location (waters) _____
Well No. 1 Elev. 1038
District Southwest County Doddridge
The surface of tract is owned in fee by Willard McCloy, and others
Address Parkersburg, WV 26101
Mineral rights are owned by Lawrence McCloy, Atty in fact for McCloy heirs
Address Harrisville, WV 26362
Drilling Commenced 3/2/78
Drilling Completed 3/24/78
Initial open flow 20 cu. ft. _____ bbls.
Final production 275,000 cu. ft. per day 8 bbls.
Well open 10 hrs. before test 625 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|-------------------|------------------|--------------|-------------------------------|
| Size | | | |
| 20-16 | | | |
| Cond. | | | |
| 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 250 | 250 | Cemented with 80 sks. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 2240 | Cemented with 175 sks. R.E.C. |
| 3 | | | |
| 2 | | 2052 | |
| Liners Used | | | |

Well treatment details: Attach copy of cementing record.
Wier treated with 44000 lbs. sand, 60 gals. L-42, 900 bbls. of water, 500 gals. of acid. Big Injun treated with 28000 lbs. sand, 500 gals. acid - 28%, 500 bbls. of water

Coal was encountered at None Feet None Inches
Fresh water 60 Feet 1600 Salt Water Feet
Producing Sand Big Injun and Wier Depth 1860-1930 - 2070 - 2166

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|----------------------|-------|--------------|----------|-------------|-------------------|-----------|
| Clay | | | 0 | 50 | | |
| Slate, Shells & Sand | | | 50 | 880 | Water at 60 | |
| Sand | | | 880 | 995 | | |
| Slate & Shells | | | 995 | 1636 | Water at 1600 | |
| Maxon | | | 1636 | 1660 | | |
| Slate | | | 1660 | 1676 | | |
| Big Lime | | | - 1776 | 1850 | | |
| Big Injun | | | 1850 | 1906 | Gas at 1880-1900 | |
| Shale | | | 1906 | 2060 | | |
| Wier | | | 2060 | 2180 | Gas at 2080 | |
| Shale | | | 2180 | 2270 | | |
| Total Depth | | | | 2270 | | |

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner See attached sheet
Address _____
Mineral Owner See attached sheet
Address _____
Coal Owner None
Address _____
Coal Operator None
Address _____

DATE December 6, 1977
Company C. & P. Oil and Gas Co.
Address 2202 Pride Ave Clarksburg WV26301
Farm M. S. Gaston Acres 102
Location (waters) _____
Well No. 1 Elevation 1038
District Southwest County Doddridge
Quadrangle Holbrook NE

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 TO BE NOTIFIED Paul W. Garrett
operations have not commenced by 4-19-78

Robert H. Bell
Deputy Director - Oil & Gas Division

INSPECTOR
ADDRESS 321 Beech St., Clarksburg, WV
PHONE 622-3871

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 December 1 19 77 by Equitable Gas Company made to C & P Oil & Gas Co. and recorded on the _____ day of _____ 19____, in Doddridge County, Book _____ Page _____ (See Source of Title.)
 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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,

(Sign Name) C & P Oil and Gas Co.,
Well Operator

2202 Pride Avenue
Street
Clarksburg
City or Town
West Virginia
State

*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

DODD-1883

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12b and will carry out the specified requirements."

47-017

Signed by

Paul W. Garrett

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 C & P Oil and Gas Co.
 ADDRESS Smithfield, WV ADDRESS 2202 Pride Ave, Clarksburg, WV
 TELEPHONE _____ TELEPHONE 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 2300 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Weir
 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 | 20' | 20' | Cement to Surface |
| 13 - 10 | | | |
| 9 - 5/8 | | | |
| 8 - 5/8 | 470' | 470' | Cement to Surface |
| 7 | | | |
| 5 1/2 | | | Cement to 300' above any producing sand |
| 4 1/2 | 2300' | 2300' | |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 40-80 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

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OIL & GAS DIVISION
DEPT. OF MINES

Surface and Mineral Owners of the M. S. Gaston Farm:

| | |
|---|-------------------|
| Lawrence McCloy Harrisville, W. Va. 26362 | Mineral |
| Dana and Arzie Long Rt. 1, Box 164 West Union, W. Va. 26456 | Mineral |
| Frank and Georgia Lowther 317 Schrock Pl., S.W. Massillon, Ohio 44646 | Mineral |
| Willard McCloy Rt. 4, Blenn Lake Addition Parkersburg, W. Va. 26101 | Surface & Mineral |
| Clarence McCloy Rt. 4 Grafton, W. Va. 26354 | Surface & Mineral |
| Herbert McCloy Troy, W. Va. 26433 | Surface & Mineral |
| Arden and Maysel Beck 384 E. Chestnut St. Lisbon, Ohio 44432 | Surface & Mineral |

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OIL & GAS DIVISION
DEPT. OF MINES

SOURCE OF TITLE

By Lease dated September 28, 1921, and recorded in Doddridge County, West Virginia, Lease Book No. 36, at page 323, Pittsburgh and West Virginia Gas Company acquired oil and gas rights to 102 acres in Southwest District of said County from M. S. Gaston. Subsequently these rights were assigned and transferred to Equitable Gas Company.

C & P Oil and Gas Co. is now vested with the operating rights of said Lease by virtue of an Agreement with Equitable Gas Company dated December 1, 1977.