



LATITUDE $39^{\circ} 20' 30''$
 $71 \frac{1}{2}$
 $39^{\circ} 17' 30''$

LONGITUDE $80^{\circ} 25'$

39 15 10
80 27 15

5,545
2,01W

2.64
2.84
532

Minimum Error of Closure ONE PART IN 200
 Source of Elevation C.G.S.C. WELL # 8074 ELEV. 1090'

"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."

- New Location
- Drill Deeper
- Abandonment

Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W.V. 26301
 Farm CHAS. LEE ANDREWS, MAMIE SPERRY ETAL
 Tract _____ Acres 1000 Lease No. _____
 Well (Farm) No. _____ Serial No. A-774
 Elevation (Spirit Level) 1169' SW
 Quadrangle CLARKSBURG, WOLF SUMMIT
 County HARRISON District UNION
 Engineer Ronnie L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 233 Drawing No. B-1199
 Date 10-2-78 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. HAR-1945

•+ 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.

47-033 OCT 30 1978

ALLEGHENY LAND AND MINERAL CO.

RECEIVED

OCT 13 1978

OIL & GAS DIVISION
DEPT. OF MINES

Under this lease or grant dated the 14th day of July, 1902, by Charles Lee Andrews, Trustee for Mary L. and R. Snowden Andrews unto Southern Oil Company, subsequently Consolidated Gas Supply Corporation.

This lease was recorded in the Office of the County Clerk of Harrison County, West Virginia in Deed or Lease Book 137, at Page 459.

Allegheny Land and Mineral Company is vested with the drilling rights of this lease by virtue of an agreement dated the 1st day of September, 1978, granted by Consolidated Gas Supply Corporation.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

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JAN - 5 1979

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Clarksburg

Permit No. HAR-1945 (47-033)

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

| | | | | |
|---|-----------------------------------|------------------|--------------|-------------------------------|
| Company <u>Allegheny Land & Mineral Company</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>Box 1740, Clarksburg, WV 26301</u> | Size | | | |
| Farm <u>C.L. Andrews</u> Acres <u>1.000</u> | 20-16 | | | |
| Location (waters) <u>Sycamore Creek</u> | Cond. | | | |
| Well No. <u>A-774</u> Elev. <u>1169'</u> | 11-3/4" <u>11-3/4"</u> | <u>66'</u> | <u>66'</u> | Cement to surface |
| District <u>Union</u> County <u>Harrison</u> | <u>9 5/8</u> | | | |
| The surface of tract is owned in fee by <u>Mamie Sperry et al</u> | <u>8 5/8</u> | <u>1073'</u> | <u>1073'</u> | " " " |
| Address <u>59 E. High St., Salem, WV 26426</u> | <u>7</u> | | | |
| Mineral rights are owned by <u>Richard Andrews, et al</u> | <u>5 1/2</u> | | | |
| <u>1129-B Argyll Circle, Lakewood, NJ</u> | <u>4 1/2</u> | <u>3449'</u> | <u>3449'</u> | " " 949' |
| Drilling Commenced <u>November 19, 1978</u> | <u>3</u> | | | |
| Drilling Completed <u>November 28, 1978</u> | <u>2</u> | | | |
| Initial open flow _____ cu. ft. _____ bbls. | Liners Used | | | |
| Final production _____ cu. ft. per day _____ bbls. | | | | |
| Well open _____ hrs. before test _____ RP. | | | | |

Well treatment details: Attach copy of cementing record.
Well was fractured December 14, 1978 by Dowell
Final test - Open flow - 1,237 MCF
Rock Pressure - 740# - 24 hrs.

Coal was encountered at 66-69' Feet _____ Inches
Fresh water @ 6', 1076' Feet _____ Salt Water _____ Feet _____
Producing Sand Speechly & Balltown Depth 2982-94', 3064-84', 3204-16', 3290-3332'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|---------------|-------|--------------|-------------|-------------|-----------------------------|----------------------------|
| Fill dirt | | | 0 | 25 | Water - 3" @ 6' | |
| Sand & Shale | | | 25 | 66 | | |
| COAL ***** | | | 66 | 69 | COAL ***** | |
| Sand & Shale | | | 69 | 1420 | Water - 3/4" stream @ 1076' | |
| Big Lime | | | 1420 | 1525 | | |
| Injun Sand | | | 1525 | 1578 | | |
| Sand & Shale | | | 1578 | 1958 | | |
| Sand | | | 1958 | 1974 | | |
| Sand & Shale | | | 1974 | 2040 | | |
| Sand | | | 2040 | 2054 | | |
| Sand & Shale | | | 2054 | 2366 | | |
| Bayard Sand | | | 2366 | 2392 | 2991 - 2993' - 6 holes | |
| Sand & Shale | | | 2392 | 2982 | 3074 - 3083' - 12 " | |
| Speechly Sand | | | 2982 | 2994 | 3213 - 3215' - 2 " | |
| Sand & Shale | | | 2994 | 3064 | 3302 - 3306' - 4 " | |
| Speechly Sand | | | 3064 | 3084 | 3318 - 3324' - 12 " | |
| Sand & Shale | | | 3084 | 3204 | | |
| Balltown Sand | | | 3204 | 3216 | | |
| Sand & Shale | | | 3216 | 3290 | | |
| Balltown Sand | | | 3290 | 3332 | | |
| Sand & Shale | | | 3332 | 4392 | | |
| Benson Sand | | | 4392 | 4416 | | Partial abandonment - over |
| Shale | | | 4416 | 4600 | | |
| | | | total depth | 4600 | (Driller) | |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet // | Bottom Feet | Oil, Gas or Water | * Remarks |
|---|-------|--------------|-------------|-------------|-------------------|-----------|
| Partial abandonment by verbal agreement of Paul Garrett was done November 29, 1978 as follows: | | | | | | |
| Total depth - 4600' Aquagel - 4600 - 4450' Cement - 4450 - 4350' Aquagel - 4350 - 3449' | | | | | | |
| 4 1/2" casing set at 3454' | | | | | | |

Date December 21 19 78

APPROVED Allegheny Land & Mineral Co owner

By Claron Dawson, Supt.

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 13 1978

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 9, 1978

Surface Owner Mamie Sperry, etal
59 East High Street
Address Salem, West Virginia 26426

Company ALLEGHENY LAND & MINERAL COMPANY
P. O. Drawer 1740
Address Clarksburg, West Virginia 26301

Mineral Owner Richard Snowden Andrews, etal
1129-B Argyll Circle
Address Lakewood, NJ 08701

Farm C. L. Andrews Acres 1,000

Coal Owner Pittsburgh stripped out
other coal owned by
Address Mamie Sperry, etal

Location (waters) Sycamore Creek

Coal Operator 59 East High Street
Salem, WV 26426
Address no coal operations

Well No. A-774 Elevation 1169'

District Union County Harrison

Quadrangle Clarksburg

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 2-13-79.

INSPECTOR Paul Garrett
TO BE NOTIFIED 321 Beech Street
ADDRESS Clarksburg, WV 26301
PHONE 622-3871

Deputy Director - Oil & Gas Division

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 see attached 19___ by ___ made to ___ and recorded on the ___ day of ___ 19___, in ___ County, Book ___ Page ___

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.

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,
ALLEGHENY LAND & MINERAL COMPANY
(Sign Name) [Signature] Manager

Well Operator
Land, Lease and Right of Way
P. O. Drawer 1740

Street
Clarksburg
City or Town

West Virginia 26301
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

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 PARTY ALLEGHENY LAND & MINERAL CO.
 NAME _____ NAME P. O. Drawer 1740
 ADDRESS _____ ADDRESS Clarksburg, WV 26301
 TELEPHONE _____ TELEPHONE (304) 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX 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 | 600' | 600' | cement to surface |
| 7 | | | |
| 5 1/2 | | | cement to 300' above producing horizon |
| 4 1/2 | 4600' | 4600' | |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 60 - 100 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS Pittsburgh stripped out - other seams reported at 340' & 390'
 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