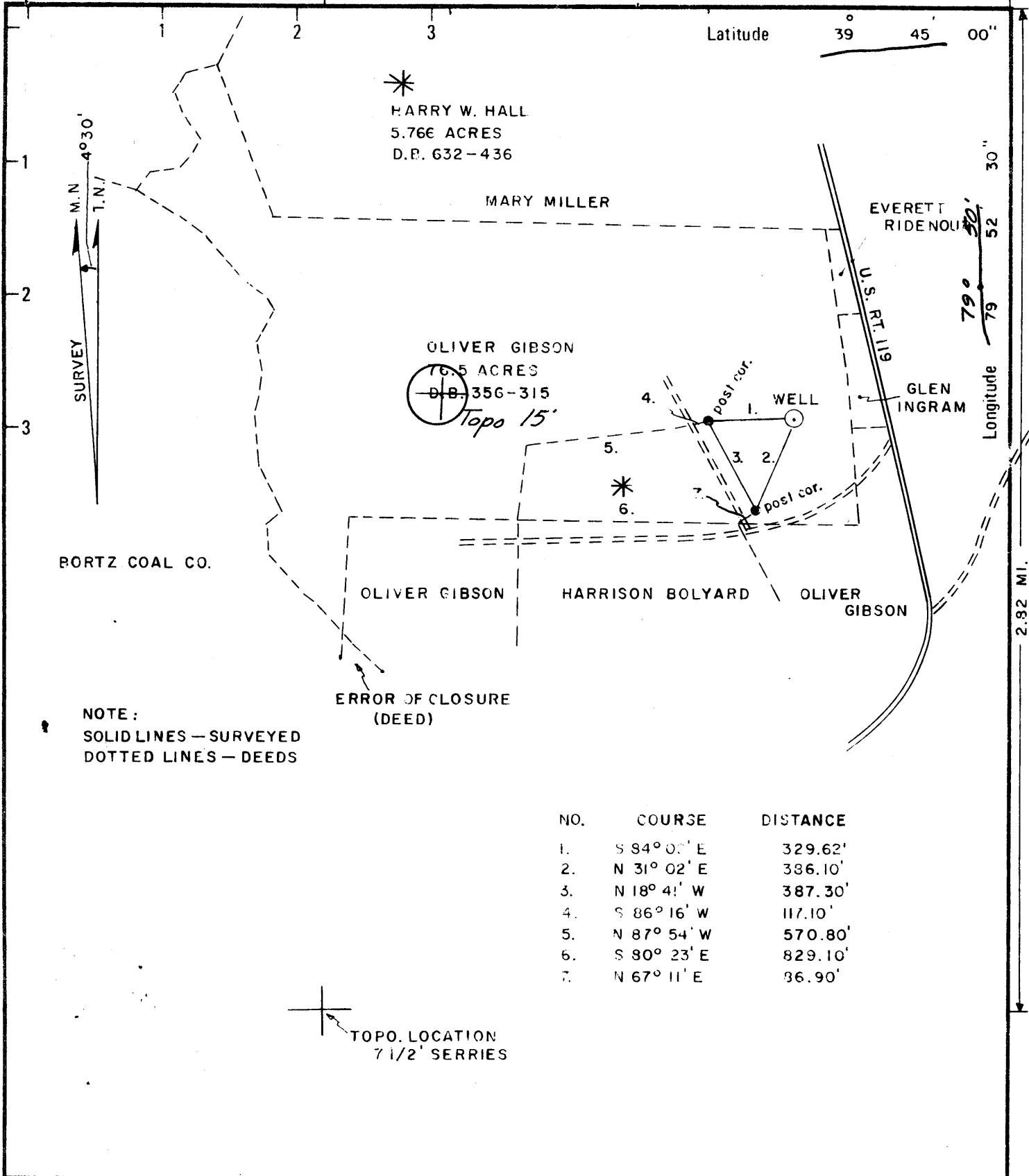


1.97 MI.



NOTE:
SOLID LINES — SURVEYED
DOTTED LINES — DEEDS

| NO. | COURSE | DISTANCE |
|-----|-------------|----------|
| 1. | S 84° 00' E | 329.62' |
| 2. | N 31° 02' E | 386.10' |
| 3. | N 18° 41' W | 387.30' |
| 4. | S 86° 16' W | 117.10' |
| 5. | N 87° 54' W | 570.80' |
| 6. | S 80° 23' E | 829.10' |
| 7. | N 67° 11' E | 36.90' |

TOPO. LOCATION
7 1/2' SERRIES

| | | |
|---|---|--|
| <p>PART PLUG - 12/6/76 New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/></p> | <p>Minimum Error of Closure Source of Elevation</p> | <p>1" IN 2000' U.S.G.S. BM. COR. CONCRETE HEADWALL ELEV. 1161'</p> <p>"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." <i>William G. Phillips</i></p> |
|---|---|--|

| | |
|-----------------------------|---------------------------------------|
| Company | KEYSTONE GAS COMPANY |
| Address | MELLON BANK BLDG. CANNONSBURG, PA |
| Farm | OLIVER GIBSON |
| Tract | Acres 76.5 Lease No. |
| Well (Farm) No. | 1 Serial No. |
| Elevation (Spirit Level) | 1055.4 <i>MC</i> |
| Quadrangle | MORGANTOWN NORTH, W.VA. - PA. 1:24000 |
| County | MCONCALIA District UNION |
| Engineer | WILLIAM G. PHILLIPS |
| Engineer's Registration No. | W. VA. 163 |
| File No. | Drawing No. 190-A |
| Date | OCT. 1975 Scale 1" = 500' |

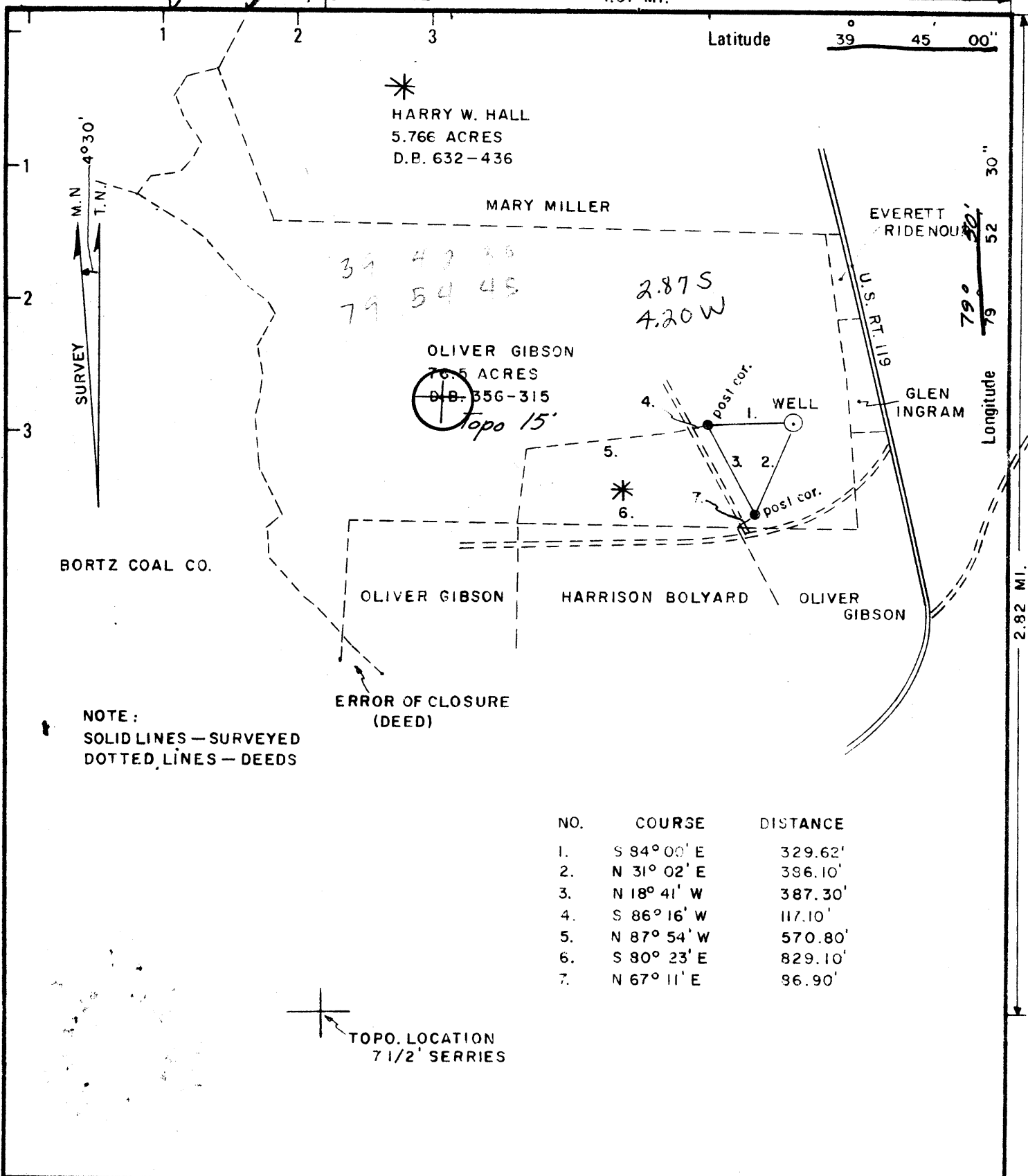
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. **MON-344-PP**

† 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.

47-061



NOTE:
SOLID LINES - SURVEYED
DOTTED LINES - DEEDS

ERROR OF CLOSURE (DEED)

TOPO. LOCATION
7 1/2' SERIES

New Location X
Drill Deeper
Abandonment

Minimum Error of Closure
Source of Elevation

1' IN 2000'

U.S.G.S. BM. COR. CONCRETE HEADWALL
ELEV. 1161'

"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." *William G. Phillips*

Company KEYSTONE GAS COMPANY
 Address MELLON BANK BLDG. CANYONSBURG, PA.
 Farm OLIVER GIBSON
 Tract _____ Acres 76.5 Lease No. _____
 Well (Farm) No. 1 Serial No. NC
 Elevation (Spirit Level) 1055.4 MGTN 15'
 Quadrangle MORGANTOWN NORTH, W.VA. - PA. 1:24000
 County MONONGALIA District UNION
 Engineer WILLIAM G. PHILLIPS
 Engineer's Registration No. W. VA. 163
 File No. _____ Drawing No. 190-A
 Date OCT. 1975 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. MON-344

+ 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.

47-061



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

PARTIAL
WELL RECORD 14

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

Quadrangle Morgantown N

Permit No. MON-344
47-061

Company Keystone Gas Company
 Address Mellon Bank Bldg. Canonsburg, PA 15317
 Farm Oliver M. Gibson Acres 76.5
 Location (waters) Monongahela
 Well No. 1 Elev. 1055.4
 District Union County Monongalia
 The surface of tract is owned in fee by Oliver M. Gibson, Box 299 RD 4
 Address Morgantown, WV 26505
 Mineral rights are owned by Same
 Address _____
 Drilling Commenced December 13, 1975 rotary
 Drilling Completed Moving in cable tool for
 Initial open flow TSTM cu. ft. _____ ^{compl.} bbls.
 Final production _____ cu. ft. per day _____ bbls.
 Well open _____ hrs. before test _____ 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 | 31' | 31' | |
| 8 5/8 | 1308' | 1308' | cement to surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | | |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Coal was encountered at 576, 809 Feet _____ Inches
 Fresh water 28, 37 Feet _____ Salt Water -- Feet _____
 Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|-------|--------------|----------|-------------|----------------------|---------------|
| shale | gray | soft | 0 | 7 | | |
| sand | white | med | 7 | 20 | | |
| sand & shale | gray | med | 20 | 32 | FW @ 28' 1/2" stream | |
| shale | gray | soft | 32 | 78 | FW @ 37' 1" stream | |
| sand | gray | med | 78 | 172 | | |
| shale | gray | soft | 172 | 360 | | |
| sand | gray | med | 360 | 424 | | |
| shale | gray | soft | 424 | 455 | | |
| sand | gray | hard | 455 | 520 | | |
| shale | gray | soft | 520 | 576 | | |
| coal | black | soft | 576 | 580 | | |
| sand & shale | gray | med | 580 | 670 | | |
| shale | gray | soft | 670 | 772 | | |
| sand | gray | med | 772 | 809 | | |
| coal | black | soft | 809 | 815 | | |
| sand & shale | gray | soft | 815 | 820 | | |
| sand | gray | hard | 820 | 950 | | |
| shale | gray | soft | 950 | 972 | | |
| shale | red | soft | 972 | 987 | | |
| sand & shale | gray | med | 987 | 1045 | | |
| shale | gray | soft | 1045 | 1154 | | |
| lime | gray | hard | 1154 | 1170 | | * Little Lime |
| shale | red | soft | 1170 | 1186 | | |
| sand & shale | gray | med | 1186 | 1202 | | |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|---------------------|-----------|--------------|----------|-------------|-------------------|-------------|
| limestone | gray & wh | hard | 1202 | 1259 | | |
| shale | gray | soft | 1259 | 1263 | | |
| sand, shale, & lime | broken | hard | 1263 | 1296 | | * Big Injun |
| sand | white | med | 1296 | 1383 | | |
| sand & shale | gray | med | 1383 | 1460 | | |
| shale | gray | med | 1460 | 1507 | | |
| sand | white | med | 1507 | 1532 | | * Squaw |
| sand & shale | gray | med | 1532 | 1612 | | |
| shale | gray | med | 1612 | 1776 | | |
| sand | gray | med | 1776 | 1789 | | |
| sand & shale | gray | med | 1789 | 1906 | | |
| sand | gray | hard | 1906 | 1950 | | * 50 Foot |
| shale | gray | med | 1950 | 2075 | | |
| sand | gray | med | 2075 | 2032 | | |
| shale | gray | med | 2032 | 2164 | | |
| sand | gray | hard | 2164 | 2174 | | |
| shale | gray | med | 2174 | 2288 | | |
| sand & shale | gray | med | 2288 | 2340 | | |
| sand | gray | med | 2340 | 2379 | | * Bayard |
| shale | gray | soft | 2379 | 2415 | | |
| sand | gray | med | 2415 | 2464 | | * Elizabeth |
| shale | gray | soft | 2464 | 2558 | | TOTAL DEPTH |

ELIZABETH

Date December 1, 1976

APPROVED Keystone Gas Company Owner

By SL Brooks agent
(Title)



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

Quadrangle Morgantown, N

Permit No. MON-344
47-061

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

| | | | | |
|---|-------------------|------------------|--------------|-------------------------------|
| Company <u>Keystone Gas Company</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>Mellon Bank Bldg. Canonsburg, PA 15317</u> | | | | |
| Farm <u>Oliver M. Gibson</u> Acres <u>76.5</u> | Size | | | |
| Location (waters) <u>Monongahela</u> | 20-16 | | | |
| Well No. <u>1</u> Elev. <u>1055.4</u> | Cond. | | | |
| District <u>Union</u> County <u>Monongalia</u> | 13-10" | 31' | 31' | |
| The surface of tract is owned in fee by <u>Oliver M. Gibson, Box 299 RD 4</u> | 9 5/8 | | | |
| Address <u>Morgantown, WV 26505</u> | 8 5/8 | 1308' | 1308' | cement to surface |
| Mineral rights are owned by <u>Same</u> | 7 | | | |
| Address _____ | 5 1/2 | | | |
| Drilling Commenced <u>December 13, 1975</u> rotary | 4 1/2 | 1995' | 1995' | 200 sks. |
| Drilling Completed <u>April 5, 1977</u> Cable tool | 3 | | | |
| Initial open flow <u>TSTM</u> cu. ft. _____ bbls. | 2 | | | |
| Final production <u>140</u> cu. ft. per day _____ bbls. | Liners Used | | | |
| Well open <u>5</u> hrs. before test <u>620#</u> RP. | | | | |

Well treatment details: Attach copy of cementing record.
 --- Frac in three stages: 1500 bbl, 28,580# sd.

Coal was encountered at 576,809 Feet _____ Inches
 Fresh water 28.37 Feet _____ Salt Water _____ Feet _____
 Producing Sand Big Injun, Squaw, Fifty Foot Depth 1424-1454', 1516-1608', 1814-15', 1932-43'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--|-------|--------------|----------|-------------|-------------------|-----------|
| See partial well record submitted December 1, 1976 | | | | | | |

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 31 1975

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

DATE October 30, 1975

Surface Owner Oliver M. Gibson

Company Keystone Gas Company

Address Box #299 RFD #4

Address Canonsburg, Pennsylvania

Mineral Owner Oliver M. Gibson

Farm Gibson Acres 76.5

Address _____

Location (waters) Monongahela

Coal Owner Oliver M. Gibson

Well No. 1 Elevation 1055.4

Address _____

District Union County Monongalia

Coal Operator _____

Quadrangle Morgantown, West Virginia

Address _____

North

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 3-1-76.

[Signature]

Deputy Director - Oil & Gas Division

GENTLEMEN:

INSPECTOR TO BE NOTIFIED Wm. Blosser
Gairmont
PH: 363-9105 ADDRESS Calfax, W. Va.

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 17 December 1969 by Oliver M. Gibson made to Keystone Gas Co. and recorded on the 17th day of October 1975, in Monongalia County, Book 767 Page 302

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, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

Very truly yours,

(Sign Name)

[Signature]

Well Operator

Mellon Bank Building

Street

Canonsburg

City or Town

Pennsylvania 15317

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

Mon-344 PERMIT NUMBER

47-061

**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) Union Drilling Company RESPONSIBLE AGENT: Melvin Peluchetti
 NAME Buckhannan, West Virginia NAME Wheeling, West Virginia
 ADDRESS (304) 472 4610 ADDRESS (304) 232 8336
 TELEPHONE _____ TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 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 | 30 | 30 | |
| 9 - 5/8 | | | |
| 8 - 5/8 | 1240 | 1240 | Cement to Surface |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 2315 | 2315 | On Packer |
| 3 | | | Perf. Top None |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS 70 FEET 350 SALT WATER 850 FEET
 APPROXIMATE COAL DEPTHS 550 800
 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.

We Oliver M Gibson Jeannete Gibson
 WAIVER: X the undersigned, ~~Agent for~~ Coal Company ~~Owner~~ Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Oliver M Gibson Jeannete Gibson ~~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.

Jeannete Gibson
Oliver M Gibson
 For Coal Company

Official Title