STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL
GAS X
LIQUID INJECTION
WASTE DISPOSAL
(IF "GAS," PRODUCTION STORAGE X DEEP__SHALLOW___)

LOCATION: ELEVATION: 1092' WATER SHED Cedar Run

WELL NO.: L-4734
API WELL NO.: 47-051-482

DATE: AUGUST 31, 1982
OPERATOR'S WELL NO.: L-4734
WELL OWNER: CHARLES COOK

FILE NO.:
DRAWING NO.:
SCALE: 1" = 800'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ACCURACY:
ELEVATION (M.N. E-127) EL 770'
ALONG RT 74 1.8 MILES E. OF ANALINE

STATE: WEST VIRGINIA
COUNTY: MARSHALL

SURFACE OWNER: JOHN DEAN & HARRISON J. BRIGGS
ACREAGE: 91

OIL & GAS ROYALTY OWNER:

LEASE NO.: 3032057

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

RECONCILE STORAGE

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION:
ESTIMATED DEPTH:
WELL OPERATOR COLUMBIA GAS TRANS. CORP.
DESIGNATED AGENT: R. A. SCHOFF
ADDRESS: P.O. BOX 1373 CHARLESTON, WV 25335
ADDRESS: P.O. BOX 468 WASHINGTON, PA 15301

NOTE: THIS MAP IS FOR WELL LOCATION PURPOSES ONLY
AND DOES NOT REPRESENT A COMPLETE SURVEY.

(+ ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED)

R.P.E. 82296 I.L.S. 798

PLACE SEAL HERE

LAT. 39° 47' 30" LON. 80° 35' 00"
K.B. 17098 PUB. 45 (E.L.L)
MAP 44000 / SHEET 17
MAP: EDWARD TOLLE
T/L: 124548000000000

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K.B. 17098 PUB. 45 (E.L.L)
MAP 44000 / SHEET 17
MAP: EDWARD TOLLE
T/L: 124548000000000
## Quadrangle: Cameron
### DEPARTMENT OF MINES
#### OIL AND GAS DIVISION

## WELL RECORD

<table>
<thead>
<tr>
<th>Casing and Tubing</th>
<th>Used in Drilling</th>
<th>Left in Well</th>
<th>Packers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>16</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>3/8&quot;</td>
<td>31'</td>
<td>31'</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>80'</td>
<td>80'</td>
</tr>
<tr>
<td></td>
<td>4% 5/8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>52/100 1/2'</td>
<td>1889'</td>
<td>1889'</td>
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</tbody>
</table>

### Drilling
- **Company:** The Mfrs., L.t. and Mt. Co.
- **Address:** 800 Union Trust Bldg., Pittsburgh 19, Pa.
- **Form:** W. H. Loper
- **Acres:** 101
- **Location (waters):** 4731
- **Well No.:** 1096.04
- **City:** Liberty
- **County:** Marshall
- **The surface of tract is owned in fee by:**
- **Address:**
- **Drilling commenced:** October 11, 1962
- **Drilling completed:** October 17, 1962
- **Date Shot:** 10/17/62 From Big Injun
- **With:** Pilot Tube
- **Open Flow:** 4.0 /10ths Water in. /10ths Merc. in.
- **Volume:** 1,850,000 Cu. Ft.
- **Rock Pressure:** 800 lbs.
- **Oil:** bbls., 1st 24 hrs.
- **Fresh water:** feet
- **Salt water:** feet

### Formation

<table>
<thead>
<tr>
<th>Formation</th>
<th>Color</th>
<th>Hard or Soft</th>
<th>Top</th>
<th>Bottom</th>
<th>Oil, Gas or Water</th>
<th>Depth Found</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>753</td>
<td>760</td>
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<td>Murphy Sand</td>
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<td>889</td>
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<tr>
<td>Big Dunkard Sand</td>
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<td>1332</td>
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<tr>
<td>First Salt Sand</td>
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<td>1490</td>
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<td>Second Salt Sand</td>
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<td>1622</td>
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<td>Third Salt Sand</td>
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<td>1574</td>
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<tr>
<td>Hatton Sand</td>
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<td>1793</td>
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<td>Lower Hatton Sand</td>
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<td>1878</td>
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<td>Big Lime</td>
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<td>1876</td>
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<td>Big Injun Sand</td>
<td>1880</td>
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</tr>
</tbody>
</table>

**Packer Shot at:**
- 5 1/2" Halliburton Form.
- Total Depth: 1891

**Well Logged by:** Schlumberger Well Surveying Corporation
- **October 15, 1962.** Logged to Total Depth

**CASING CEMENTED:**
- **Size:** No. Ft. Date
- **COAL WAS ENCOUNTERED AT:** 753 FEET INCHES
- **FEET INCHES FEET INCHES**

### Storage
- **Oil or Gas Well:** Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 278

2) Operator's Well Number: L-4734

3) Elevation: 1092

4) Well type: (a) Oil / or Gas X /
   (b) If Gas: Production / Underground Storage X / Deep / Shallow X /

5) Proposed Target Formation(s): Big Injun Sand

6) Proposed Total Depth: 2083 feet

7) Approximate fresh water strata depths: not recorded

8) Approximate salt water depths: est. 870'

9) Approximate coal seam depths: Pittsburgh Coal: 753'-760'

10) Does land contain coal seams tributary to active mine? Yes / No X /

11) Proposed Well Work: Fracture the Big Injun Sand open hole to increase deliverability.

12) CASING AND TUBING PROGRAM

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SPECIFICATIONS</th>
<th>FOOTAGE INTERVALS</th>
<th>CEMENT</th>
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<tr>
<td></td>
<td>Size</td>
<td>Grade</td>
<td>Weight per ft.</td>
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<td>Fresh Water</td>
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<tr>
<td>Coal</td>
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<td>24</td>
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<td>Intermediate</td>
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<tr>
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<td>17</td>
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<tr>
<td>Tubing</td>
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<tr>
<td>Liners</td>
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</tbody>
</table>

PACKERS: Kind Halliburton
Sizes 5-1/2"x7-7/8" OH Formation Packer
Depths set 1889' (7-7/8" open hole: 1889'-2083')

For Division of Oil and Gas Use Only

Fee(s) paid: WPCP Well Work Permit (1) Reclamation Fund (1)
Plat: WW-9 (1) WW-2B (1) Bond Blanket (1) Agent (1)

RECEIVED
WV Division of Environmental Protection
OCT 07 92

34

Office of Oil & Gas
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
   (a) Name: John Dean Briggs
   Address: Rt. 5, Box 79
            Cameron, WV 26033

   (b) Name
   Address

   (c) Name
   Address

5) (a) Coal Operator:
   Name ____________________________
   Address ____________________________

(b) Coal Owner(s) with Declaration
   Name: Consolidation Coal
   Address: Consol Plaza, 1800 Washington Rd.
            Pittsburgh, PA 15241

(c) Coal Lessee with Declaration
   Name ____________________________
   Address ____________________________

6) Inspector: Randal Mick
   Address: Route 3, Box 248
             Weston, WV 26452
   Telephone (304)-269-2335

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2).

I certify that as required under Chapter 22B of the West Virginia Code
I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through __ on the above named parties, by:

 ___ Personal Service (Affidavit attached)
 X ___ Certified Mail (Postmarked postal receipt attached)
 ___ Publication (Notice of Publication attached)

___________________________________________

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator: COLUMBIA GAS TRANSMISSION CORP.
By: [Signature]
Its: Director, Drilling & Maintenance
Address: P. O. Box 1273
         Charleston, WV 25325-1273
Telephone: 304-357-2459

Subscribed and sworn before me this 2nd day of ___________________, 1992

___________________________________________
Notary Public

My commission expires ________________________

[Signature]