State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  

Well Operator’s Report of Well Work  

Farm name: BUTLER, SANDRA & DAVID  
Operator Well No.: L-2271  
LOCATION:  
Elevation: 1,138.00  
Quadrangle: CAMERON  
District: LIBERTY  
County: MARSHALL  
Latitude: 10820 Feet South of 39 Deg. 47 Min. 30 Sec.  
Longitude: 3100 Feet West of 80 Deg. 35 Min. Sec.  

Company: COLUMBIA GAS TRANSMISSION  
1700 MacCORKLE AVENUE S.E.  
CHARLESTON, WV 25314-0000  

Agent: ROBERT C. WEIDNER  
Inspector: RANDAL MICK  
Permit Issued: 07/02/93  
Well work Commenced: 9/9/93  
Well work Completed: 3/28/94  
Verbal Plugging:  
Permission granted on: N/A  
Rotary X Cable Rig  
Total Depth (feet) 2163'  
Fresh water depths (ft)  
Not Recorded by Driller  
Salt water depths (ft)  
Not Recorded by Driller  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): PITTSBURGH 806'-814'  

Casing & Used in Left Cement Fill Up  
Size Drilling in Well Cu. Ft.  
10 3/8'' OD 219' 219' 59  
8 5/8'' OD 1290' 1290' 236  
7'' OD 1915' 1915' 266  
4 1/2'' OD 2194' 2194' 135  

OPEN FLOW DATA  
Producing formation BIG INJUN SAND Pay zone depth (ft) 1948'  
Gas: Initial open flow 178 MCF/d Oil: Initial open flow — Bbl/  
Final open flow 418 MCF/d Final open flow — Bbl/  
Time of open flow between initial and final tests — Hour  
Static rock Pressure 540 psig (surface pressure) after 66 Hour  

Second producing formation — Pay zone depth (ft) —  
Gas: Initial open flow — MCF/d Oil: Initial open flow — Bbl/  
Final open flow — MCF/d Final open flow — Bbl/  
Time of open flow between initial and final tests — Hour  
Static rock Pressure — psig (surface pressure) after — Hour  

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELLOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.  

For: COLUMBIA GAS TRANSMISSION CORP.  
By: Ronald A. Scholl  
Date: August 12, 1994
1/13/93 Cleaned out to the plugged back total depth = 2203' L.
1/16/93 Ran 2194' I.D. of 4 1/2" O.D. K-55, 11 1/2" F.B. casing and Halliburton cemented in place with 110 S.U.S.
1/17/93 Installed a new 7" x 4 1/2", API 2000, ERC flanged wellhead with 2-4 1/2", API 2000, Foster gate valves.
1/19/93 Atlas Wireline Services perforated the 4 1/2" O.D. casing from 1948' to 1958' at 8 shots/foot.
2/14/93 Halliburton fractured the Big Injun sand with 574 lbs. of My-T-Gel, 5,000# of 80/100 sand and 30,000# of 20/40 sand.

Formation depths (from service company logs run by Schlumberger on 9/15/93):

<table>
<thead>
<tr>
<th>Formation</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Coal</td>
<td>806'</td>
<td>814'</td>
</tr>
<tr>
<td>Big Dunkard Sand</td>
<td>1281'</td>
<td>1372'</td>
</tr>
<tr>
<td>3rd Salt Sand</td>
<td>1819'</td>
<td>1843'</td>
</tr>
<tr>
<td>Maxton Sand</td>
<td>1849'</td>
<td>1858'</td>
</tr>
<tr>
<td>Lower Maxton Sand</td>
<td>1880'</td>
<td>1899'</td>
</tr>
<tr>
<td>Big Lime</td>
<td>1907'</td>
<td>1944'</td>
</tr>
<tr>
<td>Big Injun Sand</td>
<td>1946'</td>
<td>-</td>
</tr>
<tr>
<td>Total Depth</td>
<td>-</td>
<td>2203'</td>
</tr>
<tr>
<td>Plugged back to</td>
<td>-</td>
<td>2163'</td>
</tr>
</tbody>
</table>
Well Operator: COLUMBIA GAS TRANSMISSION CORP.

Operator's Well Number: L-2271

Elevation: 1138'

Well-type: (a) Oil (b) Gas

Deep

Underground Storage

PRODUCTION

371

Proposed Target Formation(s): BIG INJUN SAND

Proposed Total Depth: 2200 feet

Approximate fresh water strata depths: 175'

Approximate salt water depths: 1020'

Approximate coal seam depths: 700-716', 811-818'

Does land contain coal seams tributary to active mine? Yes (x) No

Proposed Well Work: KILL WELL; CLEAN OUT TO 2200'; RUN AND CEMENT 4-1/2" CASING THROUGH BIG INJUN SAND; PERFORATE AND FRACTURE WELL.

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### CASING AND TUBING PROGRAM

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SPECIFICATIONS</th>
<th>FOOTAGE INTERVALS</th>
<th>CEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Size</td>
<td>Grade</td>
<td>Weight per ft.</td>
</tr>
<tr>
<td>Conductor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fresh Water</td>
<td>10-3/4&quot;</td>
<td>H</td>
<td>32.75</td>
</tr>
<tr>
<td>Coal</td>
<td>8-5/8&quot;</td>
<td>J</td>
<td>24</td>
</tr>
<tr>
<td>Intermediate</td>
<td>7&quot;</td>
<td>J</td>
<td>20</td>
</tr>
<tr>
<td>Production</td>
<td>4-1/2&quot;</td>
<td>K</td>
<td>11.6</td>
</tr>
<tr>
<td>Tubing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liners</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PACKERS: Kind: NONE Sizes: Depths set:

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For Division of Oil and Gas Use Only

Fee(s) paid: $3,051.00

Well Work Permit $1,015.91
Reclamation Fund $127.41
WPCP $155.05
Bond $0.00
Agent 1126
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 DAVID T & SANDRA L. BUTLER
   Address RT. 5, BOX 207
        CAMERON, WV 26033
   (b) Name
   Address
   (c) Name
   Address

5) (a) Coal Operator:
   Name
   Address
   (b) Coal Owner(s) with Declaration
   Name CONSOLIDATION COAL CO.
   Address 1800 WASHINGTON ROAD
          PITTSBURGH, PA 15241
   (c) Coal Lessee with Declaration
   Name
   Address

6) Inspector RANDELL MICK
   Address 111 BLACKSHER DRIVE
          MANNINGTON, WV 26582
   Telephone (304)- 986-3324

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
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)
   ___ 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: R. C. WEIDNER
Its: DIRECTOR, DRILLING & MAINTENANCE
Address P. O. BOX 1273
    CHARLESTON, WV 25325-1273
    Telephone 304-357-2459

Subscribed and sworn before me this ___ day of __, 19___

Mary Parsons Notary Public

My commission expires ___________