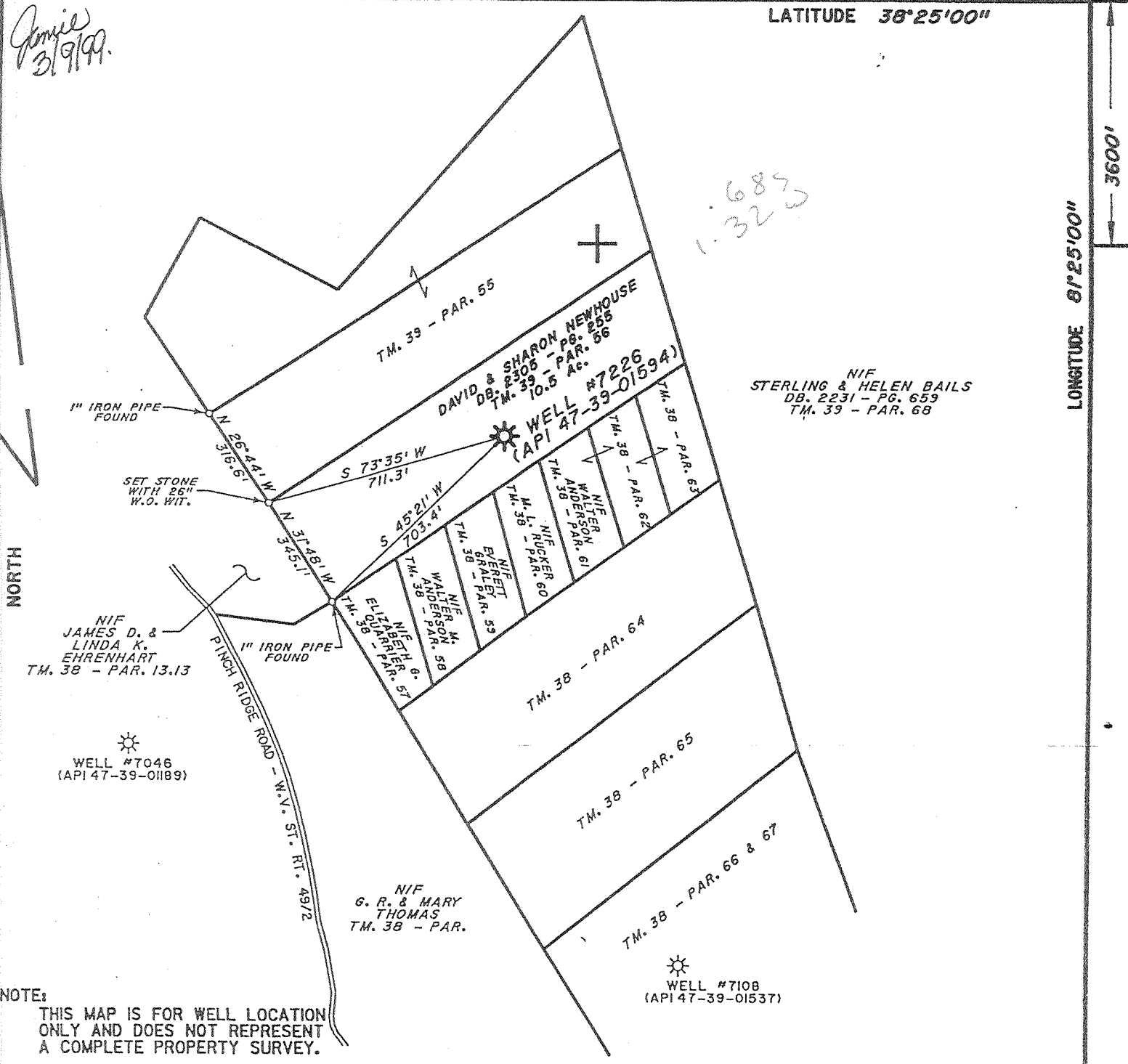


Janice  
3/19/99

LATITUDE 38°25'00"

LONGITUDE 81°25'00"

NORTH



NIF  
STERLING & HELEN BAILS  
DB. 2231 - PG. 659  
TM. 39 - PAR. 68

NIF  
G. R. & MARY  
THOMAS  
TM. 38 - PAR.

WELL #7046  
(API 47-39-01189)

WELL #7108  
(API 47-39-01537)

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

REVISED: 01/29/99

FILE NO. 7226  
DRAWING NO. \_\_\_\_\_  
SCALE 1" = 400'  
MINIMUM DEGREE OF  
ACCURACY 1/200  
PROVEN SOURCE OF  
ELEVATION EXISTING WELL  
7226 ELEVATION

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 REGU-  
LATIONS ISSUED AND PRESCRIBED BY THE DEPART-  
MENT OF ENERGY.  
(SIGNED) Richard L. Coby  
R.P.E. \_\_\_\_\_ L.L.S. 819

PLACE SEAL HERE

WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
#10 McJUNKIN ROAD  
NIPRO, WEST VIRGINIA 25143-2506



DATE JANUARY 20, 19 99  
OPERATOR'S WELL NO. 7226  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS," ) PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
LOCATION: ELEVATION 1053' WATER SHED LOWER THREE MILE FORK OF BLUE CREEK  
DISTRICT ELK COUNTY KANAWHA  
QUADRANGLE BLUE CREEK COORDINATES LAT. 38°24'24" LONG. 82°26'28"  
SURFACE OWNER DAVID & SHARON NEWHOUSE ACREAGE 10.5  
OIL & GAS ROYALTY OWNER COL. GAS TRANS. CORP., ET AL. LEASE ACREAGE 31.5  
COAL OWNER BARBARA LEGG LEASE NO. 27461

KANAWHA  
COUNTY NAME  
01594  
PERMIT

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) STORAGE RECONDITION  
Existing well drilled in 1953. Drilled deeper & clean out in 1997.  
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION ORISKANY ESTIMATED DEPTH 5355' MAR 16 1999  
WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATED AGENT RICHARD L. COBY  
ADDRESS P.O. BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON, WV  
25325-1273 25325-1273

DEEP WELL

7050'

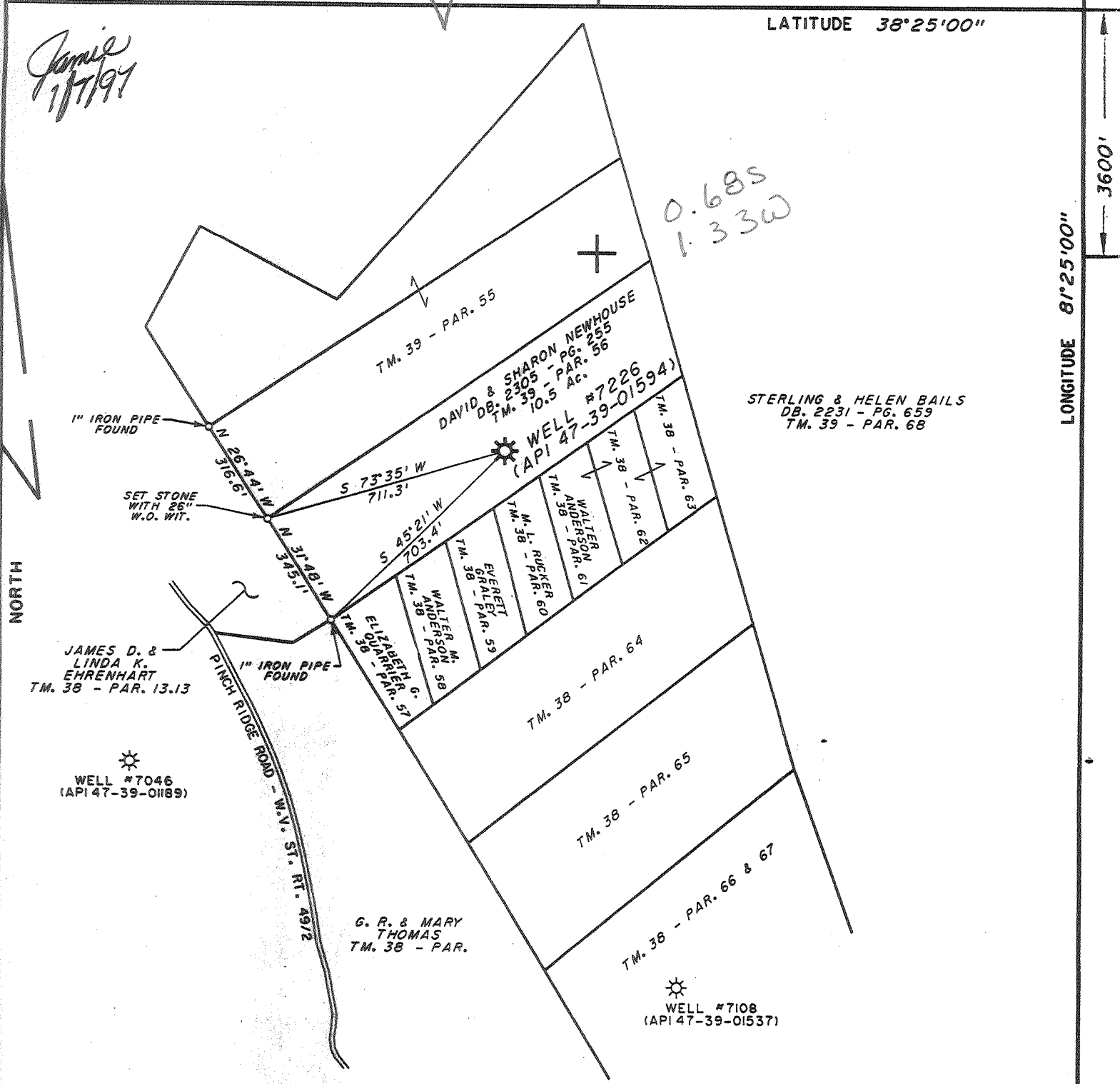
LATITUDE 38°25'00"

LONGITUDE 82°25'00"

3600'

*Jamie 1/17/97*

0.685  
1.33W



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION EXISTING WELL 7226

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) *Henry A. Smith Jr.*  
 R.P.E. \_\_\_\_\_ L.L.S. 449

PLACE SEAL HERE

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL & GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506



DATE DECEMBER 10, 1996  
 OPERATOR'S WELL NO. 7226  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE X DEEP \_\_\_ SHALLOW \_\_\_  
 LOCATION: ELEVATION 1053' WATER SHED LOWER THREE MILE FORK OF BLUE CREEK  
 DISTRICT ELK COUNTY KANAWHA  
 QUADRANGLE BLUE CREEK COORDINATES LAT. 38°24'24" LONG. 82°26'28"

SURFACE OWNER DAVID & SHARON NEWHOUSE ACREAGE 10.5  
 OIL & GAS ROYALTY OWNER BLUE CREEK ENERGY LTD. LEASE ACREAGE 31.5  
 COAL OWNER BARBARA LEGG LEASE NO. 27461

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) STORAGE RECONDITION  
dull existing storage well deeper dulled 1953

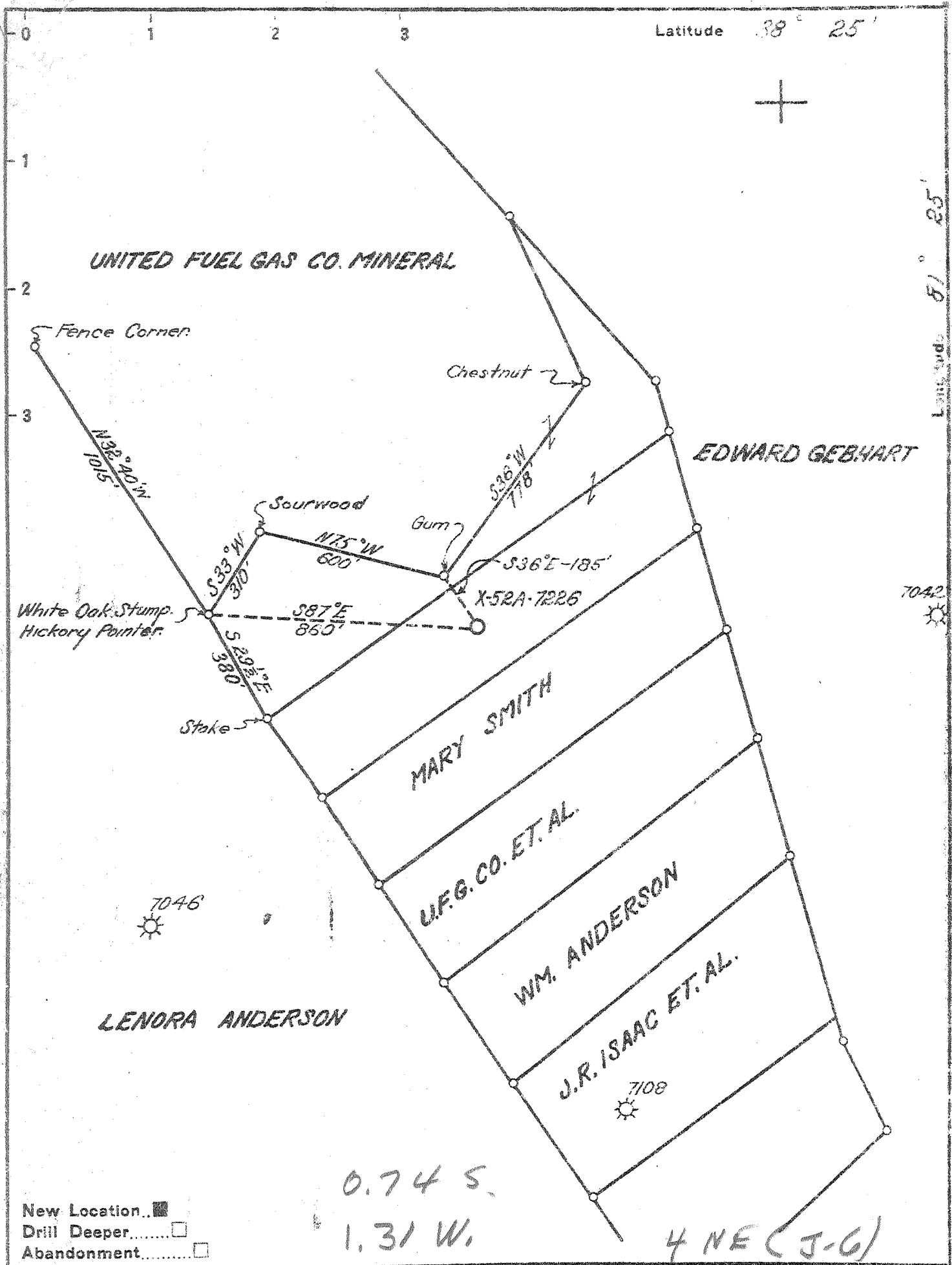
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION Chickamauga ESTIMATED DEPTH 5455'  
 WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATED AGENT RICHARD L. COTY  
 ADDRESS P.O. BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON, WV  
25325-1273 25325-1273

KANAWHA COUNTY NAME PERMIT 01594

JAN 21 1997

*DEEP GAS*

P



New Location...   
 Drill Deeper.....   
 Abandonment.....

0.74 S.  
 1.31 W.

4 NE (J-G)

Company UNITED FUEL GAS CO.  
 Address CHARLESTON W. VA.  
 Farm UNITED FUEL GAS CO. MINERAL  
 Tract 31 1/2 P. 776 Deed 27461  
 Well (Farm) No. \_\_\_\_\_ Serial No. X-52A-7226  
 Elevation (Spirit Level) 1053.16 GND.  
 Quadrangle CLENDENIN - WC  
 County KANAWHA District ELK  
 Engineer \_\_\_\_\_  
 Engineer's Registration No. 2529  
 File No. 72-63 Drawing No. \_\_\_\_\_  
 Date 5-20-52 Scale 1 = 400'

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

WELL LOCATION MAP  
 FILE NO. KAN-1594

+ 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.

Orisk storage

Deep Well



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 5

Quadrangle Clendenin

WELL RECORD

Permit No. KAN-1594

Oil or Gas Well Gas

(KIND)

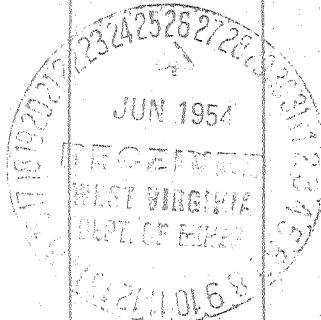
Company UNITED FUEL GAS COMPANY  
Address P.O. Box 1273, Charleston 25, W. Va.  
Farm U.F.G.Co. Min. Acres 776  
Location (waters) Blue Creek  
Well No. X-52-A-7226 Elev. 1053.16'  
District Elk County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by United Fuel Gas Co.  
Address Charleston, W.Va.  
Drilling commenced 10-14-53  
Drilling completed 4-15-54  
Date Shot 4-19-54 From 5340 To 5350'  
With 20 qts. Glyc.  
Open Flow 80 /10ths Water in 7 Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 3,858,000 Cu. Ft.  
Rock Pressure 725 lbs. 72 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water 1000-1005' feet 1075-1080' feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

| Casing and Tubing        | Used in Drilling | Left in Well | Packers              |
|--------------------------|------------------|--------------|----------------------|
| Size                     |                  |              |                      |
| 16                       |                  |              | Kind of Packer _____ |
| 18                       | <u>727'</u>      |              |                      |
| 10 - 3/4"                |                  | <u>1668'</u> | Size of _____        |
| <del>3 1/2"</del> 5 1/2" |                  | <u>5238</u>  |                      |
| 6 5/8"                   |                  |              | Depth set _____      |
| 8                        |                  |              | Perf. top _____      |
| 2                        |                  |              | Perf. bottom _____   |
| Liners Used _____        |                  |              | Perf. top _____      |
|                          |                  |              | Perf. bottom _____   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 305 FEET 24 INCHES  
414 FEET 36 INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water                                  | Depth Found | Remarks |
|----------------|-------|--------------|------|--------|--|-------------|---------|
| Surface        |       |              | 0    | 15     |  |             |         |
| Blue Slate     |       |              | 15   | 39     |  |             |         |
| Sand           |       |              | 39   | 49     |  |             |         |
| Slate          |       |              | 49   | 59     |  |             |         |
| Sand           |       |              | 59   | 85     |  |             |         |
| Slate          |       |              | 85   | 105    |  |             |         |
| Sand           |       |              | 105  | 165    |  |             |         |
| Slate & Shells |       |              | 165  | 205    |  |             |         |
| Sand           |       |              | 205  | 250    |  |             |         |
| Slate & Shells |       |              | 250  | 265    |  |             |         |
| Sand           |       |              | 265  | 305    |  |             |         |
| Coal           |       |              | 305  | 307 ✓  | Water 1000-1005' 1/8 bbl. per hr.                  |             |         |
| Slate          |       |              | 307  | 317    |  |             |         |
| Lime           |       |              | 317  | 327    | Hole full water 1075-1080'                         |             |         |
| Slate          |       |              | 327  | 414    |  |             |         |
| Coal           |       |              | 414  | 417 ✓  | Hole reduced at 8-1/4" at 2520'                    |             |         |
| Sand           |       |              | 417  | 460    |  |             |         |
| Slate          |       |              | 460  | 480    | Gas 5340' 4/10 W 2" 84 M                           |             |         |
| Sand           |       |              | 480  | 555    |  |             |         |
| Slate          |       |              | 555  | 570    | Gas 5340-5350' increased to 24/10 W 7" 22# 2,113 M |             |         |
| Sand           |       |              | 570  | 620    |  |             |         |
| Slate          |       |              | 620  | 650    |  |             |         |
| Sand           |       |              | 650  | 790    | Gas 5350-5355' 20/10 W 7" 22# 1,929 M              |             |         |
| Slate          |       |              | 790  | 820    |  |             |         |
| Sand           |       |              | 820  | 860    | Test before shot 20/10 W 7" 22# 1,929M             |             |         |
| Slate          |       |              | 860  | 914    | Shot 4-19-54 with 20 qts. Glyc.                    |             |         |
| Sand           |       |              | 914  | 1135   | from 5340-5350'                                    |             |         |
| Slate          |       |              | 1135 | 1138   | Test 3 hrs. after shot 80/10 W 7" 22"              |             |         |
| Sand           |       |              | 1138 | 1183   | 3,858M   |             |         |
| Slate          |       |              | 1183 | 1200   |  |             |         |
| Sand           |       |              | 1200 | 1389   |  |             |         |
| Broken Sand    |       |              | 1389 | 1395   |  |             |         |
| Sand           |       |              | 1395 | 1470   | FINAL OPEN FLOW - 3,858 M-Oriskany                 |             |         |
| Slate          |       |              | 1470 | 1485   | 72 Hr. R.P. 725#                                   |             |         |
| Red Rock       |       |              | 1485 | 1505   |  |             |         |
| White Slate    |       |              | 1505 | 1550   |  |             |         |
| Red Rock       |       |              | 1550 | 1560   |  |             |         |
| Slate & Shells |       |              | 1560 | 1565   |  |             |         |
| Maxon Sand     |       |              | 1565 | 1585   |  |             |         |



| Formation        | Color          | Hard or Soft | Top <sup>5</sup> | Bottom          | Oil, Gas or Water | Depth Found | Remarks |
|------------------|----------------|--------------|------------------|-----------------|-------------------|-------------|---------|
|                  | L<br>92<br>5-3 |              |                  |                 |                   |             |         |
| Slate            |                |              | 1585             | 1595            |                   |             |         |
| Little Lime      |                |              | 1595             | 1632            |                   |             |         |
| Pencil Cave      |                |              | 1632             | 1669            |                   |             |         |
| Big Lime         |                |              | 1669             | 1794            |                   |             |         |
| Slate & Shells   |                |              | 1794             | 1812            |                   |             |         |
| Red Injun        |                |              | 1812             | 1854            |                   |             |         |
| Slate & Shells   |                |              | 1854             | 1860            |                   |             |         |
| Weir Sand        |                |              | 1860             | 2050            |                   |             |         |
| Slate & Shells   |                |              | 2050             | 3991            |                   |             |         |
| Brown Shale      |                |              | 3991             | 4058            |                   |             |         |
| Slate & Shells   |                |              | 4058             | 4850            |                   |             |         |
| Brown Shale      |                |              | 4850             | 5110            |                   |             |         |
| Black Shell      |                |              | 5110             | 5135            |                   |             |         |
| Gray Shale       |                |              | 5135             | 5163            |                   |             |         |
| Brown Shale      |                |              | 5163             | 5181            |                   |             |         |
| Black Shale      |                |              | 5181             | 5205            |                   |             |         |
| Corniferous Lime |                |              | 5205             | 5334            |                   |             |         |
| Oriskany Sand    |                |              | 5334             |                 |                   |             |         |
| Total depth      |                |              | 5355'            |                 |                   |             |         |
|                  |                |              |                  | 5205            | 5334              |             |         |
|                  |                |              |                  | 1053            | 1053              |             |         |
|                  |                |              |                  | <del>4752</del> | <del>4281</del>   |             |         |

Date June 24, 1954

APPROVED

UNITED FUEL GAS CO.

Owner

By

*S. R. Fumelle*

(Title)

JAN 21 1998

08-Jan-97  
 API # 47- 39-01594 D

Permitting  
 Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name: NEWHOUSE, DAVID & SHARON Operator Well No.: 7226

LOCATION: Elevation: 1,053.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA  
 Latitude: 3600 Feet South of 38 Deg. 25Min. 0 Sec.  
 Longitude 7050 Feet West of 81 Deg. 25 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION  
 P. O. BOX 1273  
 CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY  
 Permit Issued: 01/13/97  
 Well work Commenced: 10/09/97  
 Well work Completed: 12/10/97  
 Verbal Plugging \_\_\_\_\_  
 Permission granted on: \_\_\_\_\_  
 Rotary Cable Rig \_\_\_\_\_  
 Total Depth (feet) 5355'  
 Fresh water depths (ft) \_\_\_\_\_  
 Not Reported  
 Salt water depths (ft) \_\_\_\_\_  
 1000', 1075'  
 Is coal being mined in area (Y/N)? N  
 Coal Depths (ft): Not Reported

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 14"                  |                  | 20'          |                        |
| 10 3/4"              |                  | 1668'        | 284SX                  |
| 5 1/2"               |                  | 5238'        | 1086SX                 |
| 2 3/8"               |                  | 5237'        |                        |

OPEN FLOW DATA

Producing formation ORISKANY STORAGE Pay zone depth (ft) 5334'-5355'  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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

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

For: COLUMBIA GAS TRANSMISSION CORP.

By: [Signature]  
 Date: 1-15-98

JAN 23 1998

Pulled 5346' of 2 3/8" tubing, replaced top joint of 5 1/2" casing, and installed new 7" X 5 1/2" API 3000 wellhead. Stimulated ORISKANY with N<sup>2</sup>-Assist Deltafrac treatment using 470 bbls water, 153 MSCF N<sup>2</sup>, and 30,100 lbs. 20/40 sand. Snubbed in 5237' of 2 3/8" tubing.

| Time  | Pressure (psi) | Flow Rate (bbl/hr) | Notes                    |
|-------|----------------|--------------------|--------------------------|
| 08:00 | 1500           | 10                 | Start of treatment       |
| 09:00 | 1450           | 12                 | Injection rate increased |
| 10:00 | 1400           | 15                 | Pressure drop observed   |
| 11:00 | 1350           | 18                 | Flow rate increased      |
| 12:00 | 1300           | 20                 | End of treatment         |
| 13:00 | 1250           | 15                 | Pressure recovery        |
| 14:00 | 1200           | 10                 | Flow rate decreased      |
| 15:00 | 1150           | 8                  | End of test              |

Pressure (psi) vs. Time (hr) graph showing a typical fracture conductivity test. The pressure drops from 1500 psi at 8:00 to 1150 psi at 15:00. The flow rate increases from 10 bbl/hr to 20 bbl/hr during the treatment period.

Wellbore and fracture conductivity test results. The test was conducted on 10/15/10. The fracture conductivity is estimated to be 100 md-ft. The wellbore conductivity is estimated to be 10 md-ft.



DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WELL WORK PERMIT APPLICATION

10450

- 1) Well Operator: Columbia Gas Transmission Corp. 258
  - 2) Operator's Well Number: 7226 3) Elevation: 1053'
  - 4) Well type: (a) Oil    / or Gas X /  
(b) If Gas: Production    / Underground Storage X /  
Deep X / Shallow    /
- Issued 01/13/97  
Expires 01/13/99
- 23048
- Proposed Target Formation(s): Oriskany<sup>475</sup> Sandstone
- Proposed Total Depth: 5455 feet
- Approximate fresh water strata depths: N/A
- Approximate salt water depths: 1000', 1075'-1080'
- 9) Approximate coal seam depths: 305'-307', 414'-417'
- 10) Does land contain coal seams tributary to active mine? Yes    / No X /
- 11) Proposed Well Work: Install API 3000 Wellhead. Drill well  
100' deeper. Log. Stimulate Oriskany. Install tubing if needed.
- 12)

RECEIVED  
Division of Environmental Protection  
DEC 27 1996  
Permitting  
Office of Oil & Gas

CASING AND TUBING PROGRAM

| TYPE         | SPECIFICATIONS |       | FOOTAGE INTERVALS |               | CEMENT |              |
|--------------|----------------|-------|-------------------|---------------|--------|--------------|
|              | Size           | Grade | Weight per ft.    | For drilling  |        | Left in well |
| Conductor    | 14"            |       |                   | 20'           | 20'    |              |
| Fresh Water  | 13 3/8"        |       |                   | 727'          | 0'     |              |
| Coal         |                |       |                   |               |        |              |
| Intermediate | 10 3/4"        |       | 36                | 1668'         | 1668'  | 286 SX       |
| Production   | 5 1/2"         |       | 15.5              | 5238'         | 5238'  | 506 SX       |
| Tubing       | 2 3/8"         |       | 4.6               | 5355'         | 5355'  |              |
| Liners       |                |       |                   | C. 4 10-22-96 |        |              |

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

30.5/11.1  
 of tubing  
 pipe cemented

For Office of Oil and Gas Use Only

0017 2332

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP

Plat  WW-9  WW-2B  Bond Blanket  Agent

(Type)



Environmental Protection  
DEC 27 1996

1) Date: 10/29/96  
2) Operator's well number  
COCO-A WELL # 7226  
3) API Well No: 47 - 039 - 01594 - DD  
State - County - Permit

Permitting  
Office of Oil & Gas

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:  
a) Name David A. & Sharon Newhouse  
Address 16 Rolling Meadows  
Elkview, WV 25071  
b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Carlos W. Hiviely  
Address 223 Pinch Ridge Road  
Elkview, WV 25071  
Telephone (304) - 965-6069

5) (a) Coal Operator:  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner (s) with Declaration  
Name Barbara Legg  
Address 3447 Norman Drive  
Charleston, WV 25306  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 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 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

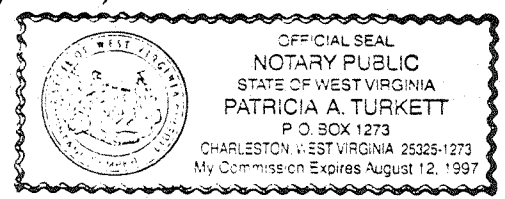
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true,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

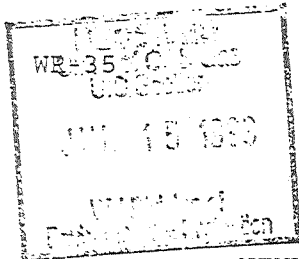
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator COLUMBIA GAS TRANSMISSION CORP.  
By: [Signature]  
Its: Storage Engineer / Well Services  
Address P. O. Box 1808  
St. Albans, WV 25177-1808  
Telephone (304) 722-8612

Subscribed and sworn before me this 14th day of November, 19 96

Patricia A. Turkett  
My commission expires August 12, 1997 Notary Public





11-Mar-99  
API # 47- 39-01594 F

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  
Well Operator's Report of Well Work

Reviewed ES

Farm name: NEWHOUSE, DAVID & SHARON Operator Well No.: COCO "A" 7226

LOCATION: Elevation: 1,053.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA  
Latitude: 3600 Feet South of 38 Deg. 25Min. 0 Sec.  
Longitude 7050 Feet West of 81 Deg. 25 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION  
P. O. BOX 1273  
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY  
Permit Issued: 03/12/99  
Well work Commenced: 05-03-99  
Well work Completed: 05-20-99  
Verbal Plugging \_\_\_\_\_  
Permission granted on: \_\_\_\_\_  
Rotary \_\_\_\_\_ Cable \_\_\_\_\_ Rig \_\_\_\_\_  
Total Depth (feet) 5355'  
Fresh water depths (ft) \_\_\_\_\_  
Not Reported  
Salt water depths (ft) \_\_\_\_\_  
1000', 1075'  
Is coal being mined in area (Y/N)? No  
Coal Depths (ft): Not Reported

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 14"                  |                  | 20'          | -                      |
| 10-3/4", 36 lb       |                  | 1668'        | 284 sx                 |
| 5-1/2", 15.5 lb      |                  | 5238'        | 1086 sx                |
| 2-3/8", 4.6 lb       |                  | 5237'        |                        |

OPEN FLOW DATA \* Storage well - Rates and pressures variable

Producing formation Oriskany Pay zone depth (ft) 5334' - 5355'  
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d  
Final open flow N/A MCF/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests N/A Hours  
Static rock Pressure N/A psig (surface pressure) after N/A Hours

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

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

For: COLUMBIA GAS TRANSMISSION CORP.  
By: Paul Amick  
Date: 07/09/99

KAN 1594 F

JUL 26 1999

Pulled 5237' of 2-3/8" tubing, cleaned out to total depth at 5357', installed new API 5m tubing spool, reran 5237' of 2-3/8" tubing, and pumped an N2-Assist Deltafrac using 500 gallons of 15% HCL, 298 bbls of water, 96 MSCF N2, and 6700 lbs of 20/40 sand at 1 - 3 PPG.