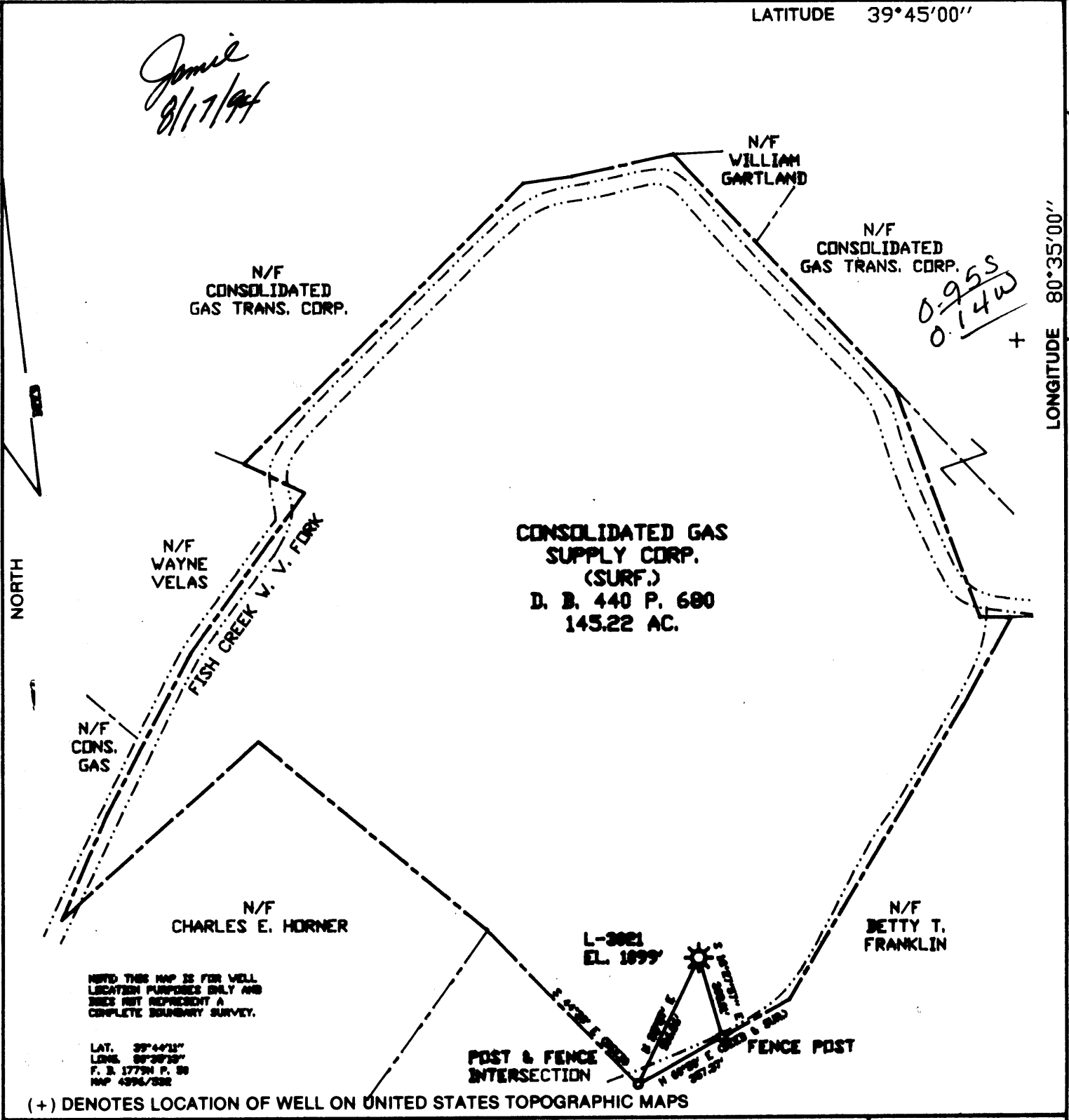


730'

LATITUDE 39°45'00"

Jamil
8/17/94



LONGITUDE 80°53'08"

4995'

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

LAT. 39°44'13"
LONG. 80°38'39"
F. S. 17794 P. 88
MAP 4394/332

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION BM U-125 832.636'

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 MINES.

(SIGNED) *Neil E. Lynn 12/1/93*

R.P.E. _____ L.L.S. #945

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE NOV. 17, 19 93
 OPERATOR'S WELL NO. L-3021
 API WELL NO. 47-05L-00332-7

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1099' WATER SHED FISH CREEK WEST VIRGINIA FORK
 DISTRICT LIBERTY COUNTY MARSHALL
 QUADRANGLE LITTLETON 115 NC
 SURFACE OWNER CONSOLIDATED GAS SUPPLY CORP. ACREAGE 145.22
 OIL & GAS ROYALTY OWNER ROGER G. RULING JR ET AL LEASE ACREAGE 145.22
 LEASE NO. 3005513

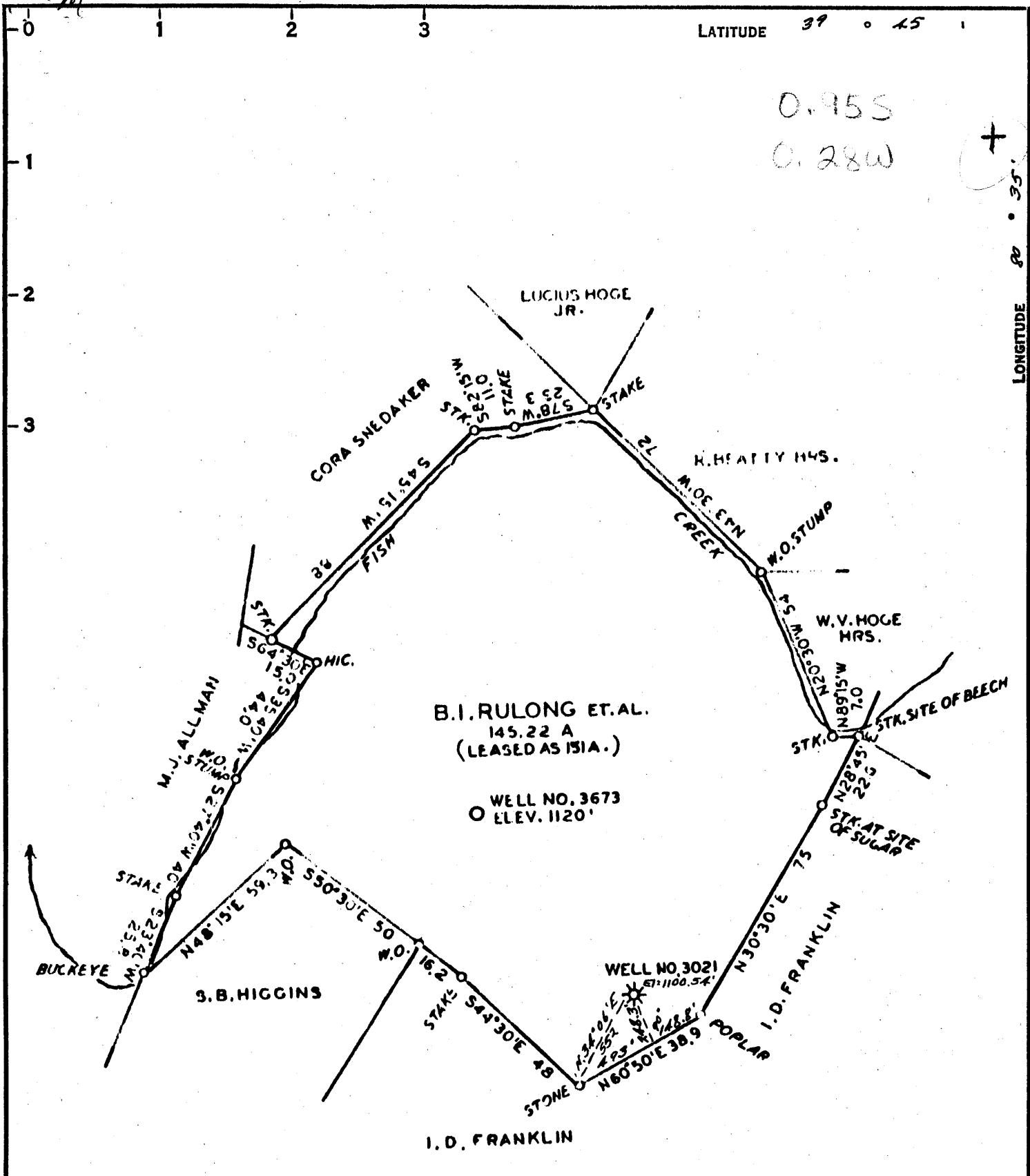
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) RECONDITION

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ TO Existing 2290' clean out
 TARGET FORMATION Big Spring ESTIMATED DEPTH
 WELL OPERATOR COLUMBIA GAS TRANS CORP DESIGNATED Richard L. Coty

COUNTY NAME

PERMIT

FORM IV-6 (8-78)



COAL OWNED BY _____
 RECONDITIONED
 NEW LOCATION
 DRILL DEEPER
 ABANDONMENT

COMPANY THE MANUFACTURERS LIGHT & HEAT CO.
 ADDRESS 800 UNION TRUST BLDG. P64, PA.
 FARM B.I. RULONG ET AL
 TRACT _____ ACRES 145.22 LEASE NO. 5513
 WELL (FARM) NO. 1 SERIAL NO. 3021
 ELEVATION (SPIRIT LEVEL) 1100.54'
 QUADRANGLE LITTLETON NC
 COUNTY MARSHALL DISTRICT LIBERTY
 ENGINEER Thomas E. Surgin M
 ENGINEER'S REGISTRATION NO. 1503
 FILE NO. _____ DRAWING NO. Y-15-812
 DATE 20 JUNE 1958 SCALE 1" = 4000'

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

WELL LOCATION MAP

FILE NO. MARS-332-D

+ 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.

MAY 23 1996

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

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: WALLACE, STUART R. Operator Well No.: 3021

LOCATION: Elevation: 1,099.00 Quadrangle: LITTLETON

District: LIBERTY County: MARSHALL
 Latitude: 4995 Feet South of 39 Deg. 45Min. 0 Sec.
 Longitude 730 Feet West of 80 Deg. 35 Min. 0 Sec.

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

Agent: RICHARD L. COTY

Inspector: RANDAL MICK
 Permit Issued: 08/17/94
 Well work Commenced: 10/12/94
 Well work Completed: 12/11/94
 Verbal Plugging
 Permission granted on: N/A
 Rotary X Cable Rig
 Total Depth (feet) 2244'
 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): PGH. COAL 890'-898'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 10 ³ / ₄ " OD	273'	273'	236
8 ⁵ / ₈ " OD	1425'	1425'	295
7" OD	2018'	2018'	266
4 ¹ / ₂ " OD	2275'	2275'	158

OPEN FLOW DATA

Producing formation BIG INJUN SAND Pay zone depth (ft) 2160-80
 Gas: Initial open flow — MCF/d Oil: Initial open flow — Bbl/d
 Final open flow 1,410 MCF/d Final open flow — Bbl/d
 Time of open flow between initial and final tests — Hours
 Static rock Pressure 680 psig (surface pressure) after 16 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: Ronald A. Schoff
 Date: May 16, 1996

MAY 24 1996



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Littleton

Permit No. MARS-332-DW

WELL RECORD

Oil or Gas Well GAS
(KIND)

Loage

Company <u>The Manufacturers Light and Heat Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>800 Union Trust Building, Pgh. 19, Penna.</u>	Size			
Farm <u>B. I. Rulong</u> Acres <u>151</u>	16"	40'	40'	Kind of Packer
Location (waters)	18			
Well No. <u>3021</u> Elev. <u>1100.54'</u>	10"	273'	273'	Size of
District <u>Liberty</u> County <u>Marshall</u>	8 1/4"	972'	1425'	
The surface of tract is owned in fee by	6 7/8" / 7"	2033'	2033'	Depth set
Address	5 3/16			
Mineral rights are owned by	3			Perf. top
Address	2			Perf. bottom
Drilling commenced <u>August 29, 1958</u>	Liners Used			Perf. top
Drilling completed <u>October 18, 1958</u>				Perf. bottom
Date Shot From To				
With				
Open Flow /10ths Water in Inch				
/10ths Merc. in Inch				
Volume Cu. Ft.				
Rock Pressure <u>60</u> lbs. <u>200</u> hrs.				
Oil bbls., 1st 24 hrs.				
Fresh water feet				
Salt water feet				

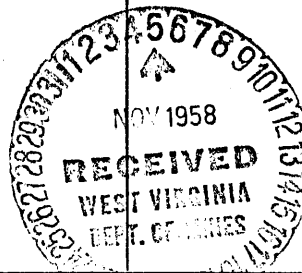
CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT FEET INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hardness or Softness	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Schlumberger Well Survey							All pipe measured over threads.
✓ Pittsburgh Coal		4	888	892			Drilled well down in Injun Sand from 2159' to 2290'. Run 40' of 16" Pipe, PE.
✓ Upper Maxton Sand		53	1852	1905			Used as a conductor. Sealed it in with 6 truck loads of Stone and 50 bags of cement. Run 273' of 10 3/4" Casing.
✓ Lower Maxton Sand		11	1980	1991			SM.H40.32.75# on a steel shoe. Cemented with 200 bags at 15.4 Lbs. per gallon.
Big Lime			2002				Good return of cement at surface. Run 972' of 8 5/8" Casing, Sm. J. 24# and connected it to 461' of original 8 5/8" with a steel die nipple. Cemented with 250 bags at 14.8 Lbs. per gallon. Good return of cement at surface. Run 2033' of 7" Casing, SM. J.20# on a steel shoe and set at 2018' Cemented with 225 bags at 14.3 Lbs. per gallon. Good return of cement at surface.
Big Injun Sand				2290			
Total Depth				2290			
7" Shoe set at				2018			
			2002 1101 901				



Rec 7/21/94

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

Issued 08/17/94
4 435

Well Operator: 175 COLUMBIA GAS TRANSMISSION CORP. 10450

Operator's Well Number: 3021 3) Elevation: 1099'

Well type: (a) Oil / or Gas X /

Expired 08/17/96

(b) If Gas: Production / Underground Storage X /
Deep / Shallow X /

EXISTING

Proposed Target Formation(s): BIG INJUN SAND

EXISTING

6) Proposed Total Depth: 2290 feet

7) Approximate fresh water strata depths: 200' (EST.)

8) Approximate salt water depths: 1080'

9) Approximate coal seam depths: 516'-519', 590'-593', 780'-785, 894'-902'

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

11) Proposed Well Work: KILL WELL; CLEAN OUT WELL TO TOTAL DEPTH; INSTALL FLANGED
7"X4-1/2" API-2000 WELLHEAD; RUN NEW 4-1/2" CASING, PERFORATE AND FRACTURE BIG INJUN

12) SAND.

CASING AND TUBING PROGRAM

Table with columns: TYPE, SPECIFICATIONS (Size, Grade), FOOTAGE INTERVALS (Weight per ft., For drilling, Left in well), CEMENT (Fill-up). Rows include Conductor, Fresh Water, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind NONE
Sizes
Depths set

For Office of Oil and Gas Use Only

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

19519

1) Date: 07/07/94
2) Operator's well number
3021
3) API Well No: 47 - 051 - 00332 - F
State - County - Permit

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 STUART R. WALLACE
Address 74 CHERRY LANE
BASKING RIDGE, NJ 07920
(b) Name NANCY SCHUMAN
Address P. O. BOX 562
CHAMA, NM 87520
(c) Name ROGER G. RULONG, JR.
Address 2341 WESTON DRIVE
PITTSBURGH, PA 15241

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name CONSOLIDATED COAL CO.
Address 1800 WASHINGTON RD.
PITTSBURGH, PA 15241
Name _____
Address _____

6) Inspector RANDAL MICK
Address 111 BLACKSHERE DRIVE
MANNINGTON, WV 26582
Telephone (304)- 986-5680

(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 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, DIVISION OF OIL AND GAS
Address P. O. BOX 1273
CHARLESTON, WV 25325-1273
Telephone 304-357-3034

Subscribed and sworn before me this 19th day of July, 1994

Mary Marie Cleaden
My commission expires 3/22/95

Notary Public
MY COMMISSION EXPIRES 03 - 22 - 95
P. O. BOX 1273
CHARLESTON, WV 25325

Surface Owner(s) to be served: (Continued)

- (d) Roger G. Rulong, Sr.
5917 Liberty Road
Bethel Park, PA 15102
- (e) CNG Transmission Corp.
445 West Main St.
Clarksburg, WV 26301

051-0332