

1520'

LATITUDE 39°45'00"

April 1/27/95

NIF CONSOLIDATED GAS TRANS. CORP.

NIF WILLIAM GARTLAND

NIF CONSOLIDATED GAS TRANS. CORP.

0.815
0.30W

LONGITUDE 80°55'00"

DEED

NORTH

NIF WAYNE VELAS

CONSOLIDATED GAS SUPPLY CORP. (78.867% INT.) DB. 440 PG. 680
STUART R. WALLACE, et al (2.083% INT.) DB. 439 PG. 538
MORRIS & ANDREW RULONS, et al (22.25% INT.) DB. 22 PG. 330
(SURFACE) 145.22 Ac.

LINDA P. SMITH
JAMES E. PHILLIPS
ROGER G. RULON JR.
JEANETTE LILLEY
MARJORIE ALLISON
ROGER G. RULON Sr.
MADELYN S. PHILLIPS
EARL JOSEPH EDDY
CLIFFORD B. RULON
LELA M. FYLE
LORAN WILLIAM WALLACE
HOPE WALLACE
EVELYN H. PHILLIPS
EDWARD ALVA STRAUSS
STUART R. WALLACE
WILLIAM E. PHILLIPS
SHARON L. PHILLIPS
LOIS M. DOWNES
ANNA R. PUSKARICH
MARY E. JESTER
BERNARD C. RULON
HARRY E. RULON
HELEN BACH
ELENE SCHWARTZ
WILLARD FEDERER
ERNEST FEDERER Jr.
NANCY W. SHUMAN
J. RICHARD PHILLIPS
EVELYN BANE
(O. & G.)
LEASE 3005513

NIF CONS. GAS

FISH CREEK W.V. FORK

WELL L-3673
EL. = 1115'

NIF CHARLES E. HORNER

0.81
0.30

NIF BETTY T. FRANKLIN

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

POST & FENCE INTERSECTION

LAT. 39°44'18"
LONG. 80°35'20"
F.B. 1792-N, PG. 29
INV. MAP 4396 N 532 E

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

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 ENERGY.
(SIGNED) *Richard L. Coty* 3/23/95
R.P.E. _____ L.L.S. # 245

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MARCH 23, 1995
OPERATOR'S WELL NO. L-3673
API WELL NO. _____

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1115' WATER SHED W.V. FORK OF FISH CREEK
DISTRICT LIBERTY COUNTY MARSHALL
QUADRANGLE *Dittleton*
SURFACE OWNER CONSOLIDATED GAS SUPPLY CORP. ACREAGE 145.22
OIL & GAS ROYALTY OWNER SEE PLAT LEASE ACREAGE 145.22
COAL OWNER _____ LEASE NO. 3005513

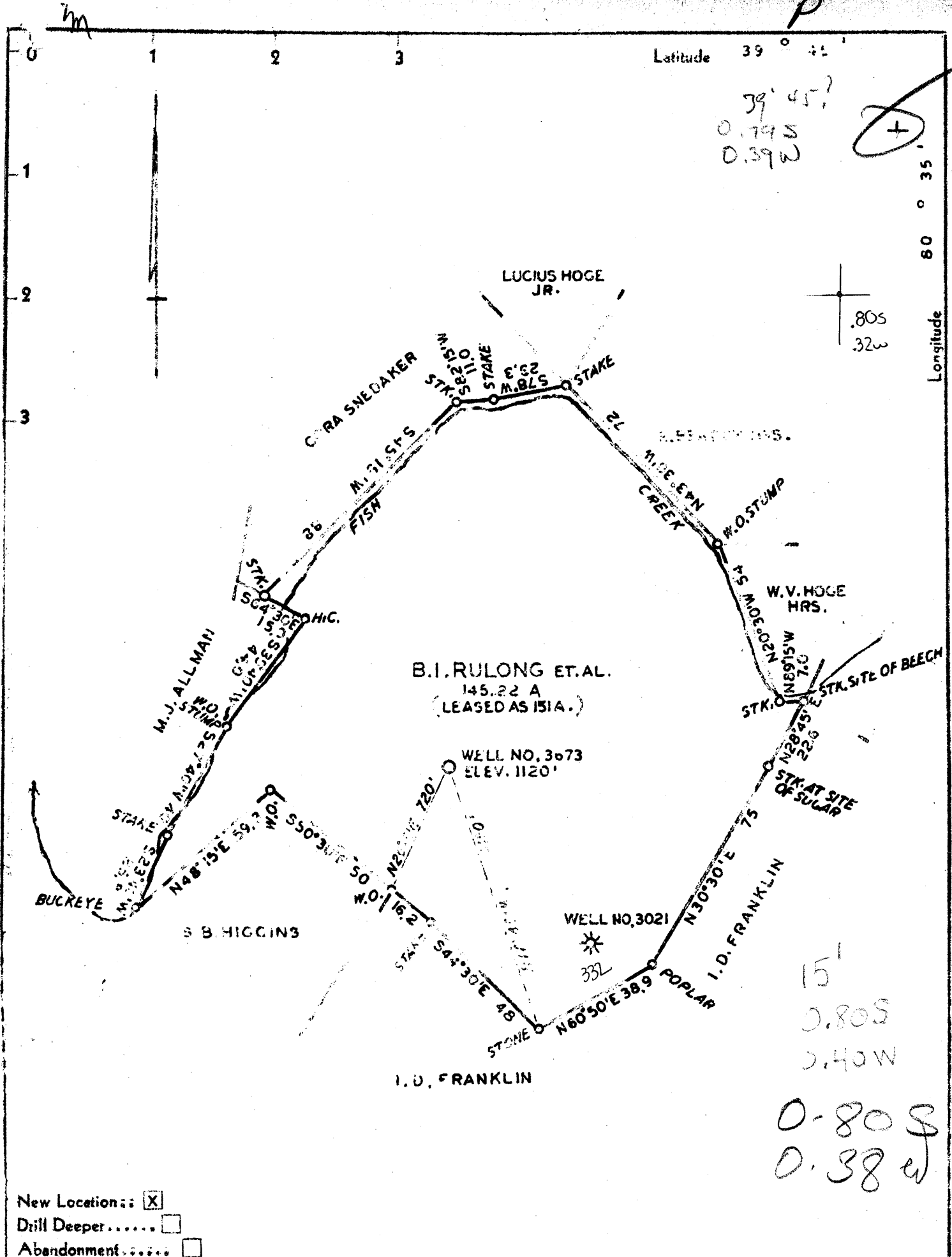
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) RECONDITION

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION *Big Spring* ESTIMATED DEPTH 2170
WELL OPERATOR COLUMBIA GAS TRANS. CORP. DESIGNATEE
ADDRESS P.O. 840 1273, CHARLESTON, WV 25325 ADDRESS.

Richard L. Coty
Same Address
PH: 304-357-3034

APR 1 1995

COUNTY NAME MARSH
PERMIT 134



39' 45'
0.79 S
0.39 W



.80 S
.32 W

15'
0.80 S
0.40 W

0.80 S
0.38 W

- New Location:
- Drill Deeper:
- Abandonment:

Company THE MANUFACTURERS LIGHT & HEAT CO.
 Address 800 UNION TRUST BLDG. PITTSBURGH PA.
 Farm B.I. RULONG
 Tract 1 Acres 151 Lease No. 5513
 Well (Farm) No. 2 Serial No. 3073
 Elevation (Spirit Level) 1120'
 Quadrangle LITTLETON N. E. NC
 County MARSHALL District LIBERTY
 Engineer _____
 Engineer's Registration No _____
 File No. _____ Drawing No. Y 10 744
 Date JULY 24, 1942. Scale 1" = 40 RDS. 660'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 File No. MARS-134

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.

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

Well Operator's Report of Well Work

Farm name: CONSOLIDATED GAS TRACT Operator Well No.: L-3673

LOCATION: Elevation: 1,115.00 Quadrangle: LITTLETON

District: LIBERTY County: MARSHALL
Latitude: 4200 Feet South of 39 Deg. 45Min. Sec.
Longitude 1520 Feet West of 80 Deg. 35 Min. Sec.

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

Agent: RICHARD L. COTY

Inspector: RANDAL MICK
Permit Issued: 07/24/95
Well work Commenced: 10/20/95
Well work Completed: 12/4/95
Verbal Plugging
Permission granted on: N/A
Rotary Cable _____ Rig
Total Depth (feet) 2186'
Fresh water depths (ft) _____
NOT RECORDED BY DRILLER.
Salt water depths (ft) _____
NOT RECORDED BY DRILLER.
Is coal being mined in area (Y/N)? NO
Coal Depths (ft): PAH. COAL 885'-891'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
10 ³ / ₄ " _{OD}	254'	254'	118
8 ⁵ / ₈ " _{OD}	1378'	1378'	354
7" _{OD}	2020'	2020'	236
4 ¹ / ₂ " _{OD}	2185'	2185'	126

OPEN FLOW DATA

Producing formation BIG INJUN SAND Pay zone depth (ft) 2140'-2168'
 Gas: Initial open flow 27,740 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 650 psig (surface pressure) after 48 Hours

Second producing formation NONE 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: February 18, 1997

FEB 28 1997

0/23/95 CLEANED OUT TO TOTAL DEPTH = 2171' G.L.

10/27/95 DRILLED NEW 6 1/8" HOLE TO 2186' G.L.

11/2/95 RAN 2185' G.L. OF 4 1/2" OD, K-55, 11,600' CASING AND HALLIBURTON CEMENTED IT IN PLACE WITH 100,000 SKS

11/3/95 INSTALLED A NEW 8 5/8" X 4 1/2" API 2000, NATIONAL-OILWELL WELLHEAD WITH 2-4 1/2" API 2000, BARTON GATE VALVES,

11/28/95 HALLIBURTON LOGGING PERFORATED THE 4 1/2" OD CASING FROM 2140' TO 2168' @ 6 SHOTS/FOOT.

11/30/95 HALLIBURTON FRACTURED THE BIG INJUN SAND WITH 428,000 GELLED WATER, 2100# OF 80/100 SAND AND 23,700# OF 20/40 SAND.

FORMATION DEPTHS (FROM SERVICE COMPANY LOGS RUN BY HALLIBURTON LOGGING ON 10/30/95):

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
PITTSBURGH COAL	885'	891'
3 RD SALT SAND	1839'	1903'
BIG LIME	2001'	2053'
BIG INJUN SAND	2053'	
DRILLED TD	-	2186'
LOGGED TD	-	2186'

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Mars 134
Littleton Quad. N.E.

Gas Well
CASING & TUBING

Company	The Mfrs Light & Heat Company			
Address	800 Union Trust Bldg., Pittsburgh, Pa.			
Farm	B.I. Rulong	Acres 151	10	255'5 255'5
Location	--		8 1/2	1378'5 1378'5
Well No	2-3673	Elev. 1120'	65/8	2037'3 2037'3
District	Liberty Marshall County			
Surface	Earl J. Harris, 700 Lafayette Ave. Moundsville, W.Va.			
Mineral	The Mfrs Light & Heat Co.		Coal at 510' 12"	
	800 Union Trust Bldg., Pittsburgh, Pa.		545' 12"; 779' 12"	
Commenced	11-9-42		886' 36"; 1485'	
Completed	12-7-42		12"	
Open flow	20/10ths W in 4"			
Volume	852,000 C.F.			
Rock Pressure	130 lbs. 48 hrs.			

Clay, Slate, Lime	0	225
Sand	225	245
Slate & Lime	245	320
Red Rock	320	332
Slate & Lime	332	390
Lime Shells	390	510
✓ Coal	510	511
Lime	511	536
Sand	536	545
✓ Coal	545	546
Slate	546	600
Lime Shells	600	710
Slate & Lime	710	779
✓ Coal	779	780
Lime	780	868
Sand	868	889
✓ Pittsburgh Coal - 886-889	889	968
Slate, Rock, Lime	968	1095
Lime	1095	1165
Slate & Rock	1165	1190
Lime	1190	1240
Sand	1240	1265
Slate, Lime, Rock	1265	1337
Sand	1337	1396
Slate & Lime	1396	1485
✓ Freeport Coal	1485	1486
Slate & Shells	1486	1541
Sand	1541	1568
Slate & Lime	1568	1617
Sand	1617	1660
Slate	1660	1693
Sand	1693	1790
Slate & Shells	1790	1844
Sand	1844	1884
Slate & Shells	1884	1958
Sand	1958	1987
Slate	1987	2000
✓ Big Lime	2000	2052
✓ Big Injun Sand	2052	2145
TOTAL DEPTH		2145 Gas 2140 - 2145

2000
1120

2000
110

2110
1120

990



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Lisleton

WELL RECORD

Permit No. MARS-134-D

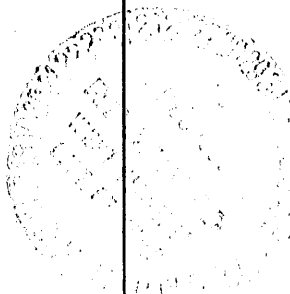
Oil or Gas Well Gas
(KIND)

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>				
Farm <u>R. I. Rulong</u> Acres <u>151</u>	Size Conductor			
Location (waters) _____	<u>16" Pipe</u>	<u>27'</u>	<u>27'</u>	Kind of Packer _____
Well No. <u>3673</u> Elev. <u>1120'</u>	<u>18"</u>			
District <u>Liberty</u> County <u>Marshall</u>	<u>10"</u>	<u>254'</u>	<u>254'</u>	Size of _____
The surface of tract is owned in fee by _____	<u>8 1/4"</u>	<u>970'</u>	<u>1378'</u>	
Address _____	<u>7"</u>	<u>2033'</u>	<u>2033'</u>	Depth set _____
Mineral rights are owned by _____	<u>5 3/16"</u>			
Address _____	<u>3"</u>			Perf. top _____
Drilling commenced <u>September 20, 1958</u>	<u>2"</u>			Perf. bottom _____
Drilling completed <u>November 22, 1958</u>	Liners Used _____			Perf. top _____
Date Shot _____ From _____ To _____				Perf. bottom _____
With _____				
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ Cu. Ft.				
Rock Pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT	FEET	INCHES	
	FEET	INCHES	FEET INCHES
	FEET	INCHES	FEET INCHES

Formation	Color	Hard or Soft THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Schlumberger Survey							All Pipe Measured over Threads.
Pittsburgh Coal		<u>32'</u>	885	890			Run 27' of 16" Pipe, P.B. Used., for Conductor. Run 254' of 10 3/4" Casing
Maxton Sand		<u>32'</u>	1873	1905			SM.GR. H-32# on a Steel Shoe & Cemented
Lower Maxton		<u>7'</u>	2000	2007			with 100 bags Cement 14.3# per Gallon.
Big Lime			2010				No return of cement at surface. Run 970'
Total Depth				2170			of 8 5/8" Casing Smls.Gr. J24# & connecte
7" Shoe Set at				2018			it to 408' of original 8 5/8" Casing with
							a Steel Die Nipple. Cemented with 300
							bags cement 14.2# per gallon. Good return
							of cement at the surface. Run 2033' of
							7" casing, Smls.Gr. J20# on a steel shoe
							set at 2020 & cemented with 200 bags
							cement 14.2# per gallon. Good return of
							cement at the surface. Al Baker Plug was
							set at 2032' for cementing purposes,
							later drilled out & Well drilled on down
							to depth of 2170'

2170
2172
2175



RECEIVED

WV Division of Environmental Protection

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

JUN 22 1995

WELL WORK PERMIT APPLICATION

051 134W

175

10450 (4)

20830

1) Well Operator: COLUMBIA GAS TRANSMISSION CORP.

Office of Oil & Gas Permitting
Operator's Well Number: L-3673 3) Elevation: 1115'

Issued 07/24/95
Expires 07/24/97

Well type: (a) Oil___/ or Gas^X___/
(b) If Gas: Production___/ Underground Storage^X___/
Deep___/ Shallow^X___/

Proposed Target Formation(s): BIG INJUN SAND

Proposed Total Depth: 2170 feet

Approximate fresh water strata depths: 100'

Approximate salt water depths: 1340'

Approximate coal seam depths: 886'-889'

Does land contain coal seams tributary to active mine? Yes^X___/ No___/

Proposed Well Work: CLEAN OUT TO TD. INSTALL NEW 4-1/2"X8-5/8" WELLHEAD AND 4-1/2" OD CASING. PERFORATE AND FRACTURE THE BIG INJUN SAND.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor						
EXISTING						
Fresh Water	10-3/4"OD	H-40	32.75#	254'	254'	118
EXISTING						
Coal	8-5/8"OD	J-55	24#	1378'	1378'	354
EXISTING						
Intermediate	7" OD	J-55	20#	2033'	2033'	236
PROPOSED						
Production	4-1/2" OD	K-55	11.6#	2170'	2170'	129
Tubing						
Liners						

Handwritten notes:
More well logs.
ZACSR/11/1

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 Blanket Agent

(Type)

RECEIVED

WV Division of Environmental Protection

JUN 22 1995

Permitting Office of Oil & Gas

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Page 1 of 2 Form WW2-A (09/87) file Copy

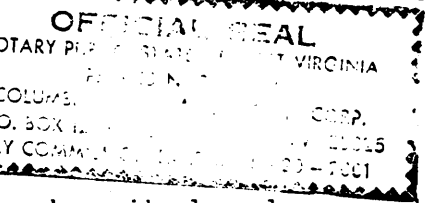
1) Date: 06/06/95
2) Operator's well number L-3673
3) API Well No: 47 - 051 - 00134 State - County - Permit

4) Surface Owner(s) to be served: (a) Name CONSOLIDATED GAS TRANS. CORP. Address 445 WEST MAIN ST. CLARKSBURG, WV 26301
5) (a) Coal Operator: Name NONE Address
(b) Name MORRIS & ANDREW RULONG ESTATE(b) Coal Owner(s) with Declaration Name CONSOLIDATION COAL CO. Address C/O ROGER RULONG- 200 BLOOMFIELD JOHNSTOWN, PA 15904 AVE. Address 450 RACE TRACK ROAD WASHINGTON, PA 15301
(c) Name STUART R. WALLACE & NANCY SCHUMAN Address P. O. BOX 562 CHAMA, NEW MEXICO 87520 Name Address
6) Inspector RANDAL MICK Address 111 BLACKSHORE DRIVE MANNINGTON, WV 26582 Telephone (304)-986-3324 (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 2 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: Richard L. City
Its: MANAGER - WELL SERVICES
Address P. O. BOX 1273 CHARLESTON, WV 25325-1273
Telephone 304-357-3034

Subscribed and sworn before me this 6th day of June, 1995
Phyllis M. Snider Notary Public
My commission expires November 20, 2001