

*Janice
7/6/93*

COLUMBIA GAS TRANSMISSION CORP

TM 34 P 14
DB 142 PG 134
92.15 AC

7304
(JAC-489)

TM 34
P 16
1.63 AC

WELL #7346
(JAC-914)

0.055
1.12W

DETAIL SCALE:
1"=40'



N 31° 12' 12" W
67.44'
N 31° 12' 12" W
62.51'

AXLE COR. (FD)

N 80° 38' 33" E
23.67'

N 8° 30' 1" W
109.29'

1 1/4" IRON PIPE COR. (FD)

NORTH

LONGITUDE 81° 40' 00"

THELMA I BONTO

TM 34 P 23
DB 258 PG 313 & 316
18.37 AC

FLORELL SNYDER

TM 34 P 17.1
DB 260 PG 692

ADDA KEMPLIN

TM 34 P 17
WB 21 PG 221

HEARST & WANDA

ELSWICK

TM 34 P 15.1
DB 236 PG 214
1.01 AC

WELL #7346
(JAC-914)
See Detail Above
For Property Ties

THELMA I BONTO

TM 34 P 15
DB 258 PG 313 & 316
44.46 AC

BERNARD & HAZEL OFFUTT

TM 34 P 13
DB 263 PG 690
65.44 AC

CHARGE: Gen-Aux-Activ-Tr Cntr
107-03377-W2296-4442

NOTES: Existing Well #7346
Within Tax Map 34 Parcel
15

"BM"-Standard Disk Stamped
R-103 1956 On N.E. Head
Wall Of Private Bridge
Entering Ripley Compressor
Station Over Mud Run
Creek

FB 2574 PG 78-79
BACK REF FB-1620 PG 43

Farm map # 16 S058-95

CARL B JOHNSON

TM 34 P 33
DB 222 PG 722
82.5 AC

7285
(JAC-499)

2.93
1.12

(+) 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 613.00
SEE NOTE ABOVE

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) *Edus Nichol*
R.P.E. 3936 L.L.S. 798

PLACE SEAL HERE

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



DATE MARCH 16, 1993
OPERATOR'S WELL NO. 7346
API WELL NO. 47 035 009147

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

LOCATION: ELEVATION 619.26 WATER SHED MUD RUN CREEK
DISTRICT RAVENWOOD 2 COUNTY JACKSON
QUADRANGLE RIPLEY COORDINATES LAT: 38° 52' 26" LONG: 81° 41' 13"

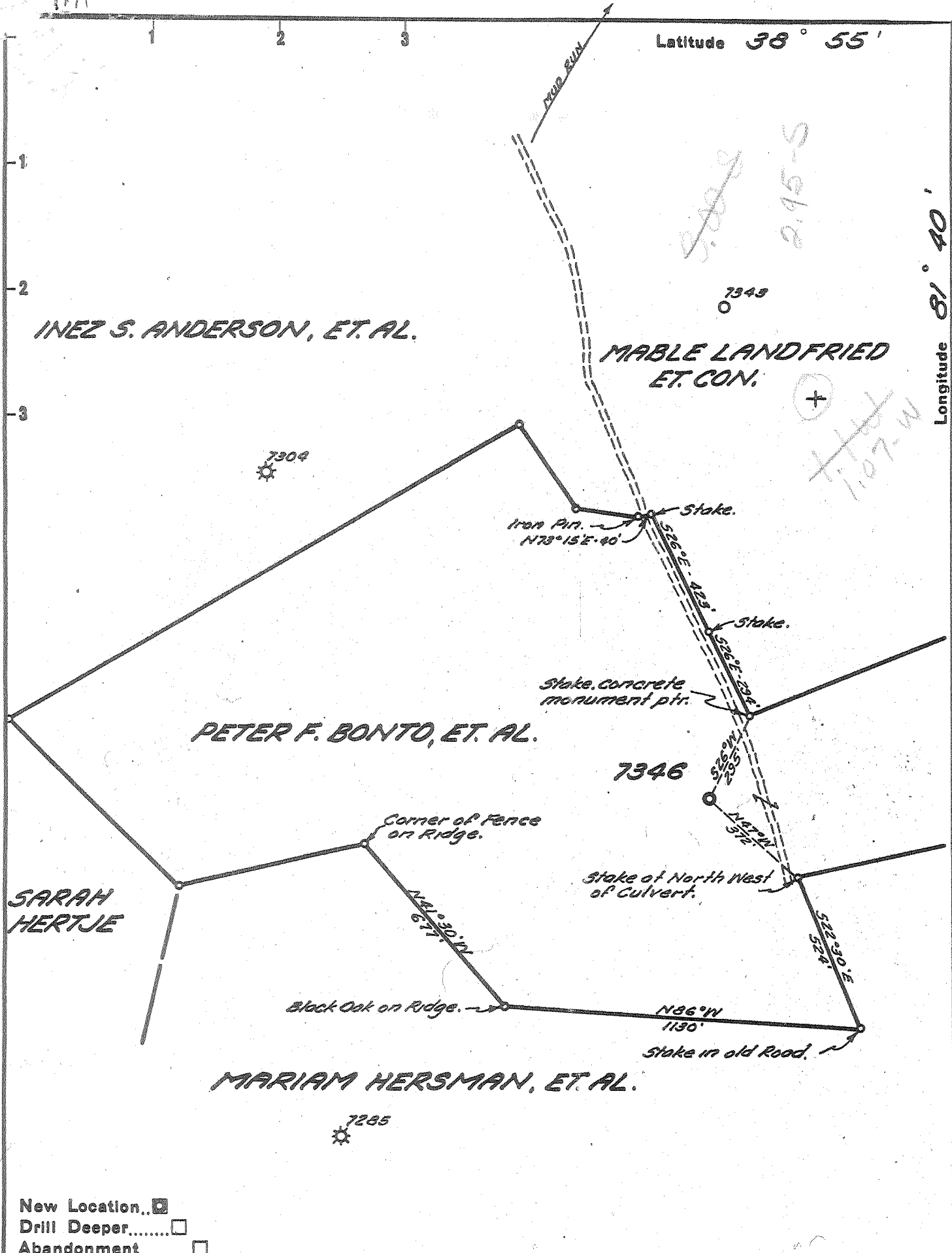
SURFACE OWNER THELMA I BONTA ACREAGE 44.46
OIL & GAS ROYALTY OWNER PETER F BONTA, ETAL LEASE ACREAGE 102
COAL OWNER THELMA I BONTA LEASE NO. 52319

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

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION ORISKANY ESTIMATED DEPTH _____
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT ROBERT C WEIDNER
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

JUL 9 1993

JACKSON COUNTY NAME 914 PERMIT



New Location
 Drill Deeper
 Abandonment

Company	UNITED FUEL GAS CO.
Address	CHARLESTON, W. VA
Farm	PETER F. BONTO, ET AL.
Tract	Acres 102 Lease No. 52319
Well (Farm) No.	Serial No. 7346
Elevation (Spirit Level)	620.88'
Quadrangle	RIPLEY-WC
County	JACKSON District RAVENSWOOD
Engineer	Seibert A. Jewell
Engineer's Registration No.	2529
File No.	58-95 Drawing No.
Date	4-17-56 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. JAC-914

+ 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.

Storage Well 60 192

Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 3

Quadrangle Ripley

Permit No. JAC-914

WELL RECORD

Oil or Gas Well Gas

(KIND)

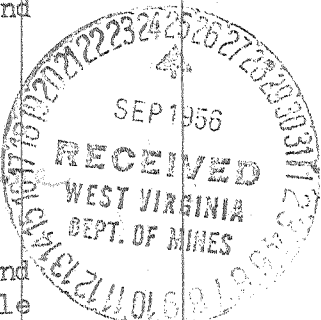
Company United Fuel Gas Co.
Address P. O. Box 1273; Charleston 25, W. Va.
Farm Peter F. Bonto, et al Acres 102
Location (waters) Mud Run
Well No. X59-7346 Elev. 620.88
District Ravenswood County Jackson
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by P. F. Bonto, Agent
Address Sandyville, W. Va.
Drilling commenced May 8, 1956
Drilling completed June 15, 1956
Date Shot _____ From _____ To _____
With _____
Open Flow 84 /10ths Water in 4 Inch
_____ /10ths Merc. in _____ Inch
Volume 1,538,000 Cu. Ft.
Rock Pressure 1140 lbs. 24 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13			Size of _____
10			Depth set _____
9 5/8		1893'	Perf. top _____
7 7/8		4784	Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2 3/8		4894	Perf. top _____
Liners Used			Perf. bottom _____

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	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	100	Gas	4845-4855'	12/10 W 7" 22# 1,494 M
Sand			100	145			
Shale			145	190			
Red Rock			190	205	Fractured	7-3-56	
Sandy Lime			205	240	Final open flow after fractured	84/10 W 4" 1,538 M	
Sandy Lime & Red Rock			240	250			
Shale & Red Rock			250	285			
Shale			285	315	FINAL OPEN FLOW - 1,538 M		
Sandy Shale			315	340	24 Hr. R.P. 1140#.		
Sand			340	365			
Shale			365	580			
Shale & Red Rock			580	600			
Shale			600	615	Shut in	9-7-56	
Slate			615	660			
Shale			660	895			
Blue Shale			895	920	9-5/8" casing	1893', 500 bags cement,	
Shale			920	940	20 bags gel. displaced	behind casing,	
Lime & Shale			940	955	did not return to surface.		
Shale			955	1090			
Sand & Shale			1090	1170	7" casing	4784', 80 bags cement,	
Sand			1170	1210	displaced	behind casing.	
Shale			1210	1240			
Sand			1240	1365			
Shale & Sand			1365	1430			
Sand			1430	1545			
Sandy Lime			1545	1590			
Sand			1590	1600			
Shale			1600	1660			
Lime - <i>Beyle</i>			1660	1860			
Sand			1860	1880			
Shale			1880	1900			
Shale & Sand			1900	1909			
Sand & Shale			1909	1963			
Shale			1963	1970			
Lime			1970	2295			
Shale			2295	2320			



(Over)

Formation	Color	Hard or Soft	Top <u>3</u>	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime Corniferous Oriskany Total Depth	- 463		2320 4720 4835 4894' 75	4720 4835			

Date September 24, 1956

APPROVED UNITED FUEL GAS CO., Owner

By J. P. Farrell
(Title)

Supt Engineering Department

RECEIVED

WV Division of Environmental Protection

FORM WW-2B

JUN 23 93

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas WELL WORK PERMIT APPLICATION

035-0914-F
Issued 07/09/93
Expires 07/09/95
Page 1 of 1

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (2) 577
- 2) Operator's Well Number: RIPLEY 7346 3) Elevation: 620.88 G
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production / Underground Storage X /
Deep X / Shallow 475
- 5) Proposed Target Formation(s): ORISKANY SAND
- 6) Proposed Total Depth: 4925 feet
- 7) Approximate fresh water strata depths: 575'
- 8) Approximate salt water depths: 710'
- 9) Approximate coal seam depths: 550'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
A) PULL 2-3/8" TUBING. B) PULL 7" CSG. & TOP JOINT OF 9-5/8" CSG.
- 11) Proposed Well Work: C) PERFORATE & SQUEEZE THE 9-5/8" CSG. D) REPLACE 7" CSG. & TOP
E) DRILL 25' OF ADDTL. 6-1/4" HOLE. F) RUN 4-1/2" CSG. - CEMENT. JT. OF 9-5/8" CSG.
- 12) G) ACIDIZE & FRACTURE. H) INSTALL 3000 PSI API FLANGED WELLHEAD ASSY.
CASING AND TUBING PROGRAM

Ed Stungwell

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-3/8"	-	48		53'	25 BAGS CALSEAL
Fresh Water						
Coal	9-5/8"	-	36		1981'	NOT AVAILABLE
Intermediate	7"	-	23		4839'	NOT AVAILABLE
Production	4-1/2"	N	11.6	<i>3805/18-11.1</i>	4925'	221 CU. FT.
Tubing	2-3/8"	J	4.7		4835'	NO CEMENT
Liners				<i>New Pipe to be Rm.</i>		

PACKERS : Kind NONE
Sizes
Depths set

For Division of Oil and Gas Use Only

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

0-273296/12

RECEIVED

WV Division of
Environmental Protection

JUN 23 03

Permitting
Office of Oil & Gas

- 1) Date: MAY 18, 1993
- 2) Operator's well number RIPLEY 7346
- 3) API Well No: 47 - 035 - 00914 - FRAC
State - County - Permit

STATE OF WEST VIRGINIA
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 THEOMA BONTO, WIDOW
 Address PLEASANTVIEW TOWERS
1205 9TH ST., VIENNA, WV 26105
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____

5) (a) Coal Operator:
 Name NONE
 Address _____
 (b) Coal Owner(s) with Declaration
 Name THEOMA BONTO, WIDOW
 Address PLEASANTVIEW TOWERS
1205 9TH ST., VIENNA, WV 26105
 Name _____
 Address _____

6) Inspector GLEN P. ROBINSON
 Address BOX 1
BELLEVILLE, WV 26133
 Telephone (304)-465-1911
(304) 367-1832

(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
 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: [Signature]
 Its: DIRECTOR, DRILLING & MAINTENANCE
 Address P. O. BOX 1273
CHARLESTON, WV 25325-1273
 Telephone 304-357-2459

Subscribed and sworn before me this 21 day of June, 1993

Watson T. Terry, Jr. Notary Public
 My commission expires May 16, 2000

*page
se. on
GAS TRANS OFFICE.*

JUN 23 1993
Permit Office of Oil & Gas

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

issued 08/19/93
Expires 8/19/95

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. ¹⁷⁵ 10450 (2) 577
- 2) Operator's Well Number: 7339, RIPLEY 3) Elevation 731.00
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production / Underground Storage /
Deep X/ Shallow
- 5) Proposed Target Formation(s): ORISKANY SAND ⁴⁷⁵
- 6) Proposed Total Depth: 4962 feet
- 7) Approximate fresh water strata depths: 575'
- 8) Approximate salt water depths: 710'
- 9) Approximate coal seam depths: 550'
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: A) PULL 2-3/8" TUBING. B) PULL 7" CSG. & TOP JOINT OF 9-5/8"
C) PERFORATE AND SQUEEZE THE 9-5/8" CSG. D) REPLACE 7" CSG. & TOP JOINT OF 9-5/8"
- 12) E) DRILL AN ADDITIONAL 25' OF 6-1/4" HOLE. F) RUN 4-1/2" CSG. - CEMENT.
G) ACIDIZE & FRACTURE CASING AND TUBING PROGRAM H) INSTALL 3000 PSI API FLANGE WELLHEAD ASSY.

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	20"		?		11	NOT AVAILABLE
Fresh Water	13-3/8"		48		74	NOT AVAILABLE
Coal	9-5/8"	J	36		2056	?
Intermediate	7"		22 AND/OR 23		4485	?
Production	4-1/2"	N	11.6		4962	221 CU. FT.
Tubing	2-3/8"	J	4.7		4905	NO CEMENT
Liners						

PACKERS : Kind NONE
Sizes
Depths set

For Division of Oil and Gas Use Only

00273246
12

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

Plat WW-9 WW-2B Bond Agent
(Type)

17459

JUN 23 93
Permitting
Office of Oil & Gas

STATE OF WEST VIRGINIA
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 ALTA C. STONE
Address LT 25 STONEGATE ESTATES
SANDYVILLE, WV 25275
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name NONE
Address _____
(b) Coal Owner(s) with Declaration
Name ALTA C. STONE
Address LOT 25 STONEGATE ESTATES
SANDYVILLE, WV 25275
Name _____
Address _____

6) Inspector GLEN P. ROBINSON
Address BOX 1
BELLEVILLE, WV 26133
Telephone (304) - 465-1911
(304) - 367-1832

(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:

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- _____ Publication (Notice of Publication attached)

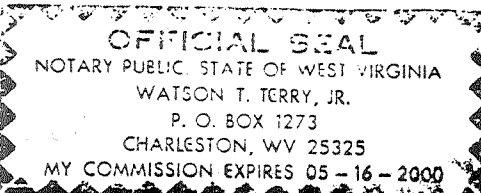
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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 21 day of June, 1993

Watson T. Terry, Jr. Notary Public
My commission expires May 16, 2000

RECEIVED

OFFICE OF OIL AND GAS

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

SEP 04 1994

Well Operator's Report of Well Work

WV Division of
Environmental Protection

THELMA, WIDOW

Operator Well No.: RIPLEY # 7346

LOCATION: Elevation: 619.96 Quadrangle: RIPLEY

District: RAVENSWOOD County: JACKSON
Latitude: 400 Feet South of 38 Deg. 52Min. 30 Sec.
Longitude 5800 Feet West of 81 Deg. 40 Min. 0 Sec.

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

Agent: ROBERT C. WEIDNER

Inspector: GLEN ROBINSON
Permit Issued: 07/09/93
Well work Commenced: 10-19-93
Well work Completed: 1-26-94

Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 4952'
Fresh water depths (ft) 375'

Salt water depths (ft) 710'

Is coal being mined in area (Y/N)
Coal Depths (ft): 350'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	-	53'	25 Brgs Calsen
9 5/8"	-	1981'	(N/A)
7"	-	4839'	(N/A)
4 1/2"	-	4912'	245 cu-ft
2-3/8"	-	4927'	Not Cemented

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 4835'-4894'
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

N/A
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 WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

← House and road nearby - too dangerous to flow test

For: COLUMBIA GAS TRANSMISSION CORP.

By: Richard L. Coty
Date: 9/27/94

Details of Perforated Intervals, fracturing or stimulating, physical change, etc.

- 1.) Pulled 4883.5' (157 jts) of 2-3/8" 10 Rd tubing -
- 2.) Pulled and laid down 1013' of 7" - 23#/ft csg -
- 3.) Perforated 9-5/8" csg from 278' - 280' w/ 2 shots/ft. - and squeezed -
- 4.) Re-ran the original 1013' of 7" csg =
- 5.) Perforated 7" csg from 3193' - 3195' w/ 2 shots/ft -
Attempted to circulate, would not circulate -
- 6.) T1H w/ guide shoe and latch down baffle on new 4-1/2" - 11.6#/ft N80 casing to a TD of 4912' (GL) - Circulated 80 bbls of corrosion inhibitor behind the 4-1/2" csg and cemented same from TD to 2900' w/ Class A cement w/ additives -
- 7.) Perforated the 4-1/2" csg from 4830' - 4850' w/ six shots/ft
- 8.) Loaded hole and broke down formation w/ 3200 psi - Premixed chemicals and forced formation w/ max of 6#/gal. Sand - total of 5,000 #
20/40 sand - used 9,000 # of 20/40 resin coated sand - total of 14,000 # of sand.
- 9.) T1H w/ wireline re-entry guide and seating nipple on new 2-3/8" - 4.6#/ft - to round to 4927' -

* Initial open flow
 * Final open flow
 Time of open flow
 Static rock pressure
 Second produced
 Gas Initial
 Final open flow
 Time of open flow
 Static rock pressure

NOTE ON BACK OF THIS FORM - BUT THE FOLLOWING IS THE SUMMARY OF THE PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. LOG WHICH IS A SUMMARY OF THE PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. LOG INCLUDING COAL BED METHANE, ETC.

A/A

- perforator tool has been off
- 1st cut of cement set

85741