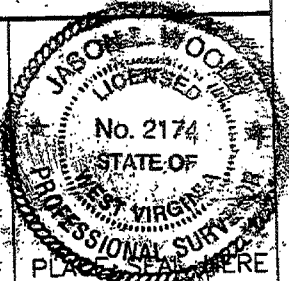


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 10-100-022
 DRAWING No. 10-100-022
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE PRO XH GPS UNIT

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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) Jason L. Woods 5-11-10
 JASON L. WOODS PS #2174



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



DATE MAY 13 20 10
 OPERATOR'S WELL No. 7329
 API WELL No.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE 47 COUNTY 039 PERMIT 01550F
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 872 WATER SHED BLUE CREEK
 DISTRICT ELK COUNTY KANAWHA

SURFACE OWNER STEVEN & MARSHA TRACEY ACREAGE 154.42
 OIL & GAS ROYALTY OWNER EVAN S. CONNELL, ET UX LEASE ACREAGE 199

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ORISKANY ESTIMATED DEPTH _____
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.
25325-1273 25325-1273

FORM IV-6 (8-78)

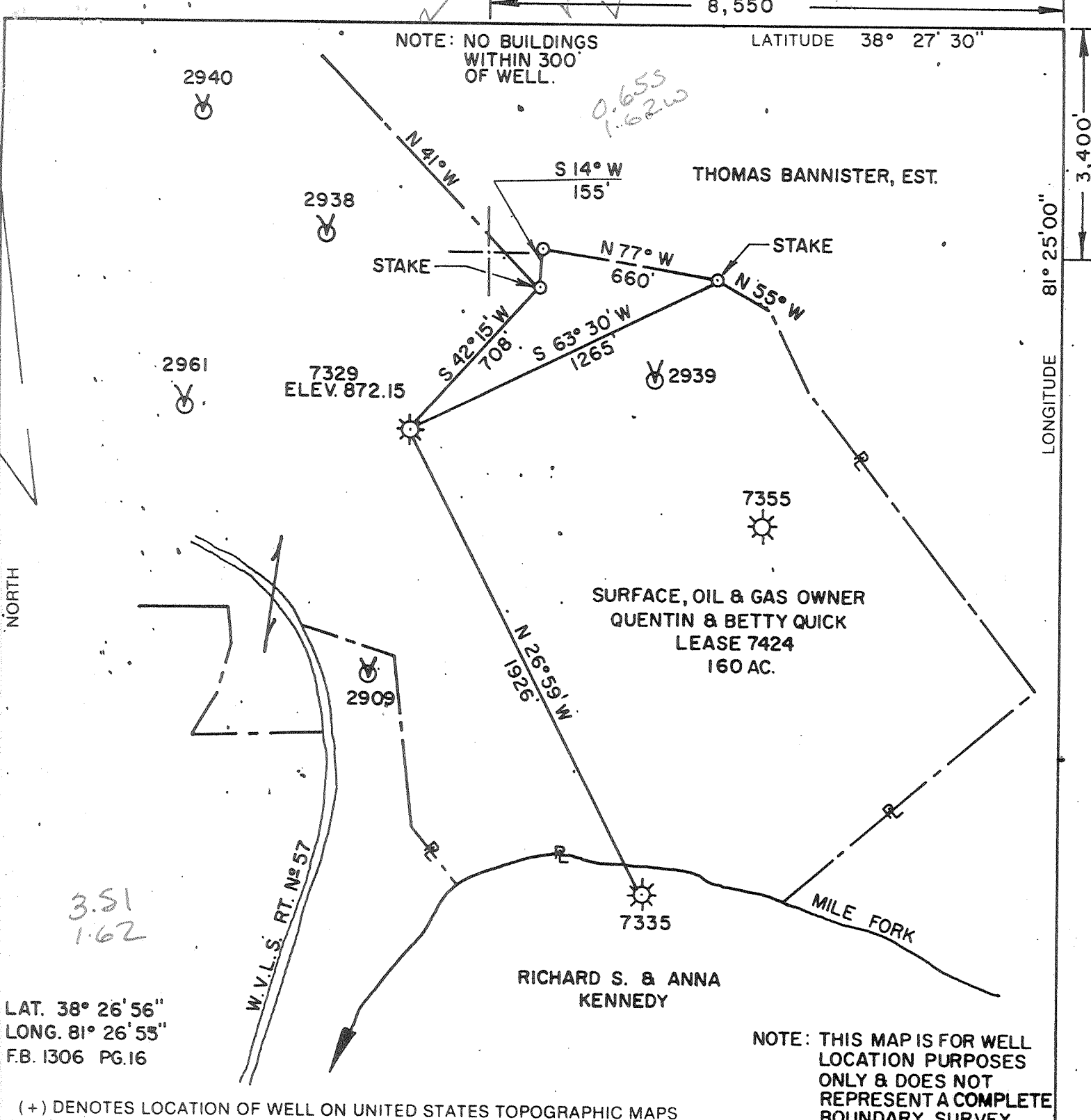
Blue CK (Falling RK) 6-6

06/11/2010

8,550'

LATITUDE 38° 27' 30"

NOTE: NO BUILDINGS WITHIN 300' OF WELL.



LAT. 38° 26' 56"
LONG. 81° 26' 55"
F.B. 1306 PG.16

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

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

FILE NO. _____
 DRAWING NO. 7329
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION T.B.M. ON I.P. COR. NEAR LG. BEECH

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) [Signature]
 R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 22, 19 90
 OPERATOR'S WELL NO. 7329
 API WELL NO. 47 KAN 1550-DD
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 872.15 WATERSHED BLUE CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK
 SURFACE OWNER QUENTIN & BETTY QUICK ACREAGE 160
 OIL & GAS ROYALTY OWNER QUENTIN & BETTY QUICK LEASE ACREAGE 160
 LEASE NO. 7424
 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 _____ ESTIMATED DEPTH _____
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP. DESIGNATED AGENT ROBERT C. WEIDNER
 ADDRESS P.O. 1273 CHARLESTON, W.V. 25325 ADDRESS P.O. BOX 1723 CHARLESTON, W.V. 25325
DEEP WELL. 175

AUG 13 1993

COUNTY NAME KAN PERMIT 1550

Janie
7/11/90

8,550'

LATITUDE 38° 27' 30"

NOTE: NO BUILDINGS
WITHIN 300'
OF WELL.

2940

2938

2961

7329
ELEV. 872.15

2939

7355

2909

7335

RICHARD S. & ANNA
KENNEDY

351
162

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

LAT. 38° 26' 56"
LONG. 81° 26' 53"
F.B. 1306 PG.16

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

FILE NO. _____
DRAWING NO. 7329
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1/200
PROVEN SOURCE OF
ELEVATION T.B.M. ON I.P. COR.
NEAR LG. BEECH

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) *Edward J. Pickett*
R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JUNE 22, 19 90
OPERATOR'S WELL NO. 7329
API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
LOCATION: ELEVATION 872.15 WATERSHED BLUE CREEK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK
SURFACE OWNER QUENTIN & BETTY QUICK ACREAGE 160
OIL & GAS ROYALTY OWNER QUENTIN & BETTY QUICK LEASE ACREAGE 160
LEASE NO. 7424

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

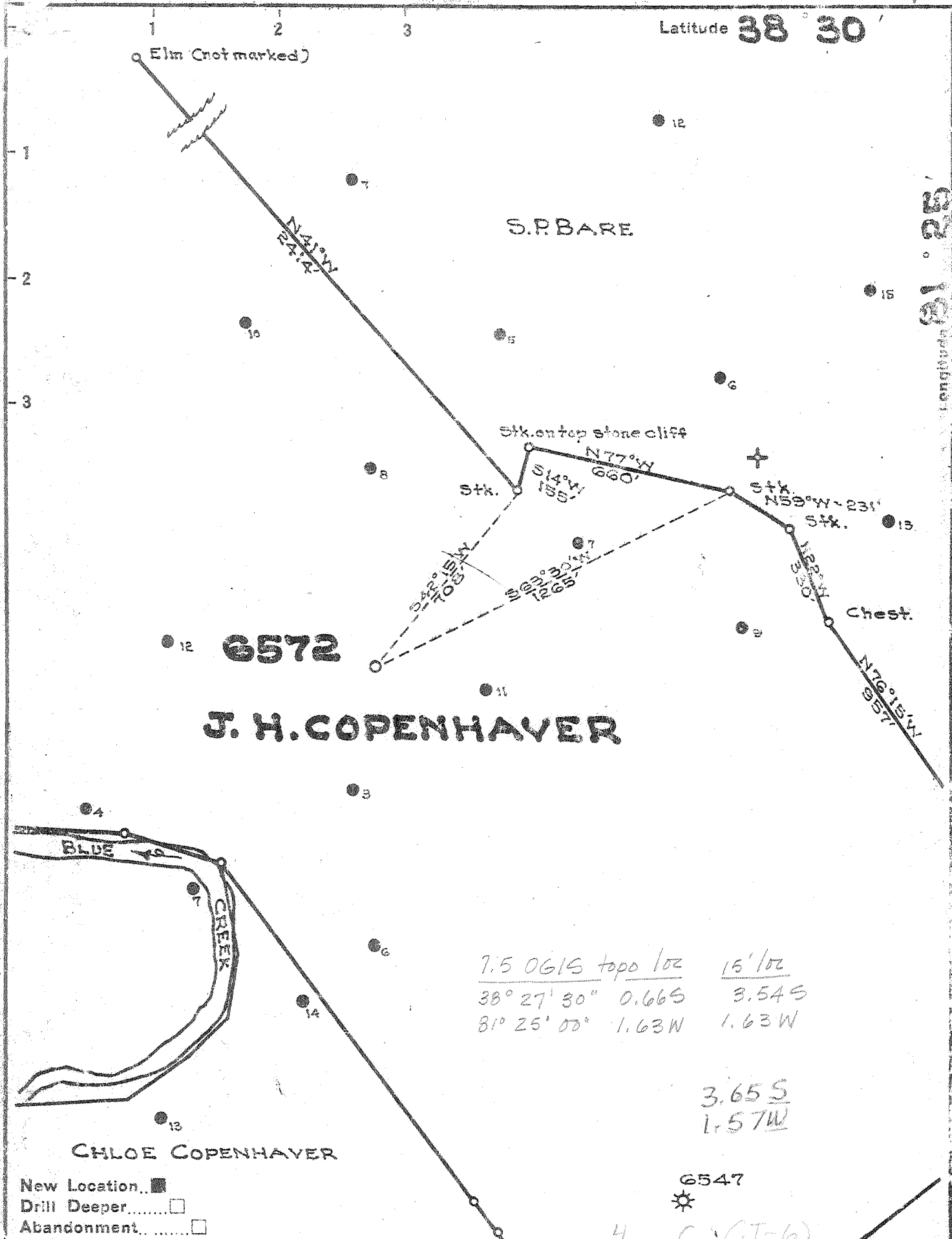
'PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP. DESIGNATED AGENT ROBERT C. WEIDNER
ADDRESS P.O. 1273 CHARLESTON, W.V. 25325 ADDRESS PO. BOX 1723 CHARLESTON, W.V. 25325

JUL 20 1990

3,400'
LONGITUDE 81° 25' 00"
COUNTY NAME KAN
PERMIT 1550

175

P



6572
J. H. COPENHAVER

CHLOE COPENHAVER

7.5 0615 topo 102 15' 102
 38° 27' 30" 0.66S 3.54S
 81° 25' 00" 1.63W 1.63W

3.65S
 1.57W

6547



4 C (J-6)

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W.VA.
 Farm J.H.COPENHAVER
 Tract _____ Acres 202 Lease No. 7424
 Well (Farm) No. 14 Serial No. 6572
 Elevation (Spirit Level) 872.15
 Quadrangle CLENDENIN - NW
 County KANAWHA District ELK
 Engineer [Signature]
 Engineer's Registration No. 662
 File No. 70-65 Drawing No. _____
 Date JUNE 7, 1950 Scale 1"=400'

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

WELL LOCATION MAP
 FILE NO. KAN-1550

+ 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.

650 0 25
 Deep Well

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

Permit No. Kan 1550
Clendenin Quad.

Gas Well
CASING & TUBING

Company	United Fuel Gas Company			
Address	P.O. Box 1273, Charleston 25, W.Va.	14	41	Fld.
Farm	J.H. Copenhaver Acres 202	10 $\frac{1}{2}$	480	Fld.
Location	Blue Creek	8 5/8	1685	1685
Well No.	6572 Elev. 872.15	7	5205	5205
District	Elk Kanawha County	2		5318'
Surface				
Mineral	A.D. Connell et al, 3531 Douglas St. El Paso, Texas			

Commenced	1-6-51
Completed	5-4-51
Not shot	
Open flow	52/10ths M in 7"
Volume	11,476 M, Oriskany
Rock Pressure	1130 lbs. 140 hrs.
Salt Water	1085' H.F.; 1770' 2 BPH

Clay	0	20	Brown Shale	2345	2360
Slate	20	32	Lime	2360	2400
Sand	32	41	Slate & Shells	2400	3340
Red Rock	41	140	Brown Shale	3340	3395
Sand	140	155	Lime Shell	3395	3415
Slate	155	190	Slate & Shells	3415	3715
Sand	190	220	Brown Shale	3715	3790
Slate	220	240	Slate & Shells	3790	3830
Sand	240	383	Brown Shale	3830	4110
Slate	383	410	White Slate	4110	4470
Sand	410	423	Blue Slate	4470	4600
Slate	423	440	Brown Shale	4600	5005
Sand	440	448	Slate	5005	5033
Slate	448	455	Black Shale	5033	5055
Sand	455	475	Slate	5055	5085
Slate	475	530	Brown Shale	5085	5118
Sand	530	575	Black Shale	5118	5177
Slate	575	595	- Corniferous Lime	5177	5300
Sand	595	650	- Oriskany Sand	5300	
Slate	650	745	T.D.		5318
Sand	745	785			
Slate	785	872	Squaw gas 1900-1910' 40/10 W 2" 267 M		
Sand	872	880	Gas 5305-5318 52/10 M 7" 22# 11,476 M		
Slate	880	910			
Sand	910	930	Not shot		
Lime	930	940			
Slate	940	1060	Final open flow 11,476 M Oriskany		
Salt Sand	1060	1455	140 hr. R.P. 1130#		
Slate	1455	1460			
Red Rock	1460	1485	Shut in 5-4-51 in 2" tubing		
Slate	1485	1520			
Red Rock	1520	1540			
Slate	1540	1545			
Maxon Sand	1545	1565			
Slate	1565	1575			
Slate & Shells	1575	1588			
Little Lime	1588	1618			
Pencil Slate	1618	1638			
Big Lime	1638	1790			
Injun Sand	1790	1810			
Slate	1810	1830			
Brown Shale	1830	1850			
Lime	1850	1900			
Squaw Sand	1900	1927			
Lime	1927	1950			
Slate & Shells	1950	2030			
Weir Sand	2030	2055			
Slate & Shells	2055	2083			
Lime	2083	2130			
Slate & Shells	2130	2345			

5177	5300
872	872
<hr/>	
0305	4428

SEP 20 1994
Permitting
Office of Oil & Gas

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: QUICK, QUENTIN & BETTY Operator Well No.: COCO C 7329

LOCATION: Elevation: 872.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 3400 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 8550 Feet West of 81 Deg. 25 Min. 0 Sec.

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

Agent: ROBERT E. WEIDNER

Inspector: CARLOS W. HIVELY
Permit Issued: 07/17/90
Well work Commenced: 9/25/90
Well work Completed: 9/11/91
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5318'
Fresh water depths (ft) 150' est.

Salt water depths (ft) 380' est.

Is coal being mined in area (Y/N)?
Coal Depths (ft): 1000' est.

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
14"	42	41'	0'
10-3/4"	32.75	480'	0'
8-5/8"	32	1715'	1551'
7"	23	5050'	5050'
4 1/2"	11.6	-	5306

955X
50/50 Pbz

OPEN FLOW DATA

Producing formation Ocriskany Pay zone depth (ft) 5300'
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

N/A 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

- Over -

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: Richard L. Coty
Date: 9/19/94

SEP 8 1994

Physical Changes

- 1.) Pulled 173 joints of $2\frac{3}{8}$ " +bg- $11\frac{1}{8}$ " v threads -
- 2.) Pulled 1517' of 7" csg - Also - because of the stuck mechanical back-off tool - Milled 7" csg from 1517' to 1541' KB.
- 3.) Perforated $8\frac{5}{8}$ " csg @ 1185' w/ 4 shots per foot -
- 4.) Pulled and replaced the top joint of $8\frac{5}{8}$ " csg -
- 5.) Squeezed $8\frac{5}{8}$ " csg w/ 300 sacks Class A and Hmlad-344 -
- 6.) Ran 5306' of $4\frac{1}{2}$ " 11.6 #/ft N80 casing - md cemented w/ 95 sacks 50/50 Poz mix w/ 2% gel, 2% CACL, 10% salt
- 7.) Perforated $4\frac{1}{2}$ " csg @ 5296.5' - 5301.5' -

(Note: See previously submitted geological record)

Issued 7/17/90
 Expires 7/17/92
 039-1550 W
 Page 3 of 4

FORM WW-2B

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

- 1) Well Operator: COLUMBIA GAS TRANSMISSION CORP. 10450 (4) 258
- 2) Operator's Well Number: Coco C - #7329 3) Elevation: 872'
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Oriskany Sand 425
- 6) Proposed Total Depth: 5318 feet
- 7) Approximate fresh water strata depths: 150' est.
- 8) Approximate salt water depths: 380' est.
- 9) Approximate coal seam depths: 1,000 est.
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: A) pull and replace 2-3/8" tubing and partial replacement of the 7" casing. B) perforate and squeeze the 8-5/8" casing. C) Install 3,000 psi API flanged
- 12) wellhead assembly.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor						
Fresh Water	14"		42#	41'	0'	
Coal	10-3/4"		32.75#	480'	0'	
Intermediate	8-5/8"		32#	1,715'	1,551'	
Production	7"		23#	5,050'	5,050'	
Tubing	2-3/8"		4.6#	5,423'	5,330'	
Liners						

*Re-work
 8-5/8" tubing
 storage
 well*

PACKERS : Kind none
 Sizes _____
 Depths set _____

RECEIVED
 JUL 06 1990

105121
 17
 For Division of Oil and Gas Use Only
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

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

RECEIVED
JUL 06 1990

1) Date: June 8, 1990
2) Operator's well number
Coco C #7329
3) API Well No: 47 - 039 - 01550 - RE
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Quentin & Betty Quick
Address 300 Walgrove Road
Elkview, WV 25071
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Carlos Hively
Address 223 Pinch Ridge Road
Elkview, WV 25071
Telephone (304)- 965-6069

5) (a) Coal Operator:
Name none
Address _____
(b) Coal Owner(s) with Declaration
Name Quentin & Betty M. Quick
Address 300 Walgrove Road
Elkview, WV 25071
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
Address none

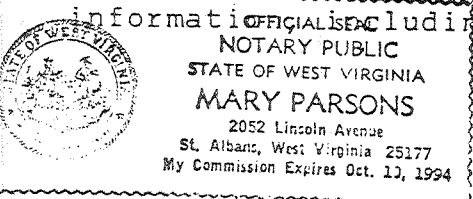
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ 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, Drilling & Maintenance
Address P. O. Box 1273
Charleston, WV 25325-1273
Telephone _____

Subscribed and sworn before me this 25th day of June, 1990

Mary Parsons Notary Public
My commission expires October 10, 1994

17714

ORM WW-2B

RECEIVED
WV Division of
Environmental Protection

039-1550-DD
Issued 8/10/93
Page of
Expires 8/10/95

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

Well Operator: ^{Permitting Office of Oil & Gas} MS Columbia Gas Transmission Corporation 10450 (4) 258

Operator's Well Number: Coco C #7329 3) Elevation: 872'

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

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

5) Proposed Target Formation(s): ⁴⁷⁵ Oriskany Sand (5305'-5318')

6) Proposed Total Depth: 5350 feet

7) Approximate fresh water strata depths: Estimated 150'

8) Approximate salt water depths: Estimated 380'

9) Approximate coal seam depths: Estimated 1,000'

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

11) Proposed Well Work: Sidetrack out of 4-1/2" casing at ±5280' and drill a new 3-3/4" hole to approximately 5350'. Run well logs and stimulate if necessary.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	14"		42#	41'	0'	
Coal	10-3/4"		32.75#	480'	0'	
Intermediate	8-5/8"		32#	1,715'	1,551'	
Production	7"		23#	5,050'	5,050'	
Production*	4-1/2"		11.6#	5,306'	5,306'	
Production						
Lines						

*Perfed 5296.5'-5301.5'

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 Agent
(Type)

00284541
14

RECEIVED
WV Division of
Environmental Protection

JUL 27 93

- 1) Date: July 16, 1993
- 2) Operator's well number Coco C #7329
- 3) API Well No: 47 - 039 - 01550-DD
State - County - Permit

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 Quentin Quick
 Address 300 Wall Grove Road
Elkview, WV 25071
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____

5) (a) Coal Operator:
 Name None
 Address _____
 (b) Coal Owner(s) with Declaration
 Name Quentin Quick
 Address 300 Wall Grove Road
Elkview, WV 25071
 Name _____
 Address _____

6) Inspector Carlos Hively
 Address 223 Pinch Ridge Road
Elkview, WV 25071
 Telephone (304)-965-6069

(c) Coal Lessee with Declaration
 Name None
 Address _____

*copy of lease
Chas. Office*

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.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
MARY PARSONS
2062 Lincoln Avenue
St. Albans, West Virginia 26177
My Commission Expires Oct. 18, 1994

Well Operator Columbia Gas Transmission Corporation
 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 19th day of July, 1993

Mary Parsons Notary Public
October 10, 1994

My commission expires _____

RECEIVED
WV Division of
Environmental Protection

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

JUN 22 1995

Well Operator's Report of Well Work

Permitting
Farm name: QUENTIN
Office of Oil & Gas

Operator Well No.: COCO C #7329

LOCATION: Elevation: 872.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 3400 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 8550 Feet West of 81 Deg. 25 Min. Sec.

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

NOTE: NO NEW CASING WAS USED ON SIDETRACK

Agent: ~~ROBERT XXXX WELDON~~ R. L. COTY

Inspector: CARLOS HIVELY
Permit Issued: 08/10/93
Well work Commenced: 8/27/93
Well work Completed: 10/06/93
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig _____
Total Depth (feet) _____
Fresh water depths (ft) EST. 150'
Salt water depths (ft) EST. 380'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8" #32	NONE	1,551'	
7" #23	NONE	5,050'	
4-1/2" #11.6	NONE	5,306'	
3-3/4" OPEN HOLE	LEFT AS AN OPEN HOLE COMPLETION		
4-1/2" WHIPSTOCK	5255'		

Is coal being mined in area (Y/N)? N
Coal Depths (ft): EST. 1000'

NOTE: THE 3-3/4" SIDETRACK WAS LEFT AS AN OPEN HOLE COMPLETION.

OPEN FLOW DATA

Producing formation ORISKANY STORAGE Pay zone depth (ft) 5301'-5325'
0/2/93 Gas: Initial open flow 13 MMCF/d Oil: Initial open flow _____ Bbl/d
10/3/94: Final open flow 42 MMCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 1 YEAR ~~XXXXXX~~
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: R. L. COTY, MANAGER/WELL SERVICES *R L Coty*
Date: 6/20/95

JUN 23 1995

WR-35
Rev (5-01)

DATE: 3/7/2011
API#: 47-039-01550

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Quick, Quentin

Operator Well No.: 7329

LOCATION: Elevation: 872 ft Quadrangle: Blue Creek
District: Blk County: Kanawha
Latitude: 3.400 Feet South of 38 Deg. 27 Min. 30 Sec.
Longitude 8.550 Feet West of 81 Deg. 25 Min. 00 Sec.

Company: Columbia Gas Transmission, LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1700 MacCorkle Ave SE Charleston, WV 25325-1273	This is an existing storage well. No changes were made to casing.			
Agent: Paul Amick				
Inspector: Terry Urbin				
Date Permit Issued: 6/11/2010				
Date Well Work Commenced: 9/7/2010	13-3/8 42#	41	0	
Date Well Work Completed: 3/3/2011	10-3/4 32#	480	0	
Verbal Plugging:	8-5/8 32#	1550	0--1550	omt'd but no vol reported
Date Permission granted on:	7 23#	5050	0 - 5050	20 sks
Rotary X Cable Rig	4-1/2 11.6# N-80	5255	0 - 5255	110 cu ft
Total Depth (feet): 5334				
Fresh Water Depth (ft.): not applicable - rework				
Salt Water Depth (ft.): not applicable - rework				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): none reported ft				

RECEIVED
Office of Oil & Gas
MAR 07 2011

OPEN FLOW DATA

WV Department of Environmental Protection

Producing formation Oriskany Sand Pay zone depth (ft) 5305 - 5318
Gas: Initial open flow not applicable MCF/d Oil: Initial open flow none Bbl/d
Final open flow * 1000 MCF/d Final open flow none Bbl/d
Time of open flow between initial and final tests not applicable Hours
Static rock pressure 1168 psig (surface pressure) after 24 Hours
* AOF calculated @ max storage rock pressure of 1800 psig

Second Producing formation N/A Pay zone depth (ft) _____

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.

Signed: James E Amos
By: James E. Amos - Senior Storage Engineer - Columbia Gas Transmission, LLC
Date: 3/7/11

03/18/2011

Coco C storage well 7329

This is an existing storage well. Below is a summary of work performed.

Cleaned wellbore using coil tubing and fracture stimulated.

Frac Data: Fresh water based polymer w/ 20% N₂ assist
 500 gals 28% HCl acid
 442 bbls gel
 84 MSCF N₂
 27,300 lbs sand
 Avg BH rate: 14 bpm
 ATP: 1880 psig
 ISIP: 2125 psig

* Note that no earthen pit was utilized. All fluids recovered via steel tanks and transported off site to waste water treatment facilities.