

8950

LATITUDE 38°27'30"

LONGITUDE 81°25'00"

WELL #7329

WELL #2960

WELL #2939

NIF THOMAS BANNISTER
TM. 24, PAR. 84
WB. 453, PG. 253

STEVEN & MARSHA TRACEY
TM. 24, PAR. 78
DB. 2435, PG. 353

WELL #2889

WELL #7355

WELL #2909

WELL #7353
(KAN-1970)

N 63°44'10" E
542.42'

N 61°04'55" W
414.33'

S 72°13'35" E
129.96'
(SURVEY)

S 73°09' E
463.90' (DEED)

1" I. PIPE
(DEED)
S 11°33' E
235'

NIF TIMOTHY J. McVAY
TM. 24, PAR. 74-73
DB. 2356, PG. 57

WELL #7335

NIF RICHARD S. & ANNA KENNEDY
TM. 24, PAR. 71
DB. 2085, PG. 485

MILE FORK

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")

FILE NO. _____
DRAWING NO. 7353
SCALE 1" = 400'
MINIMUM DEGREE OF
ACCURACY 1/200
PROVEN SOURCE OF
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) [Signature]
R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JANUARY 18, 2002
OPERATOR'S WELL NO. 7353
API WELL NO. _____

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

47 039 1970 F
STATE COUNTY PERMIT

LOCATION: ELEVATION 723.68' WATER SHED BLUE CREEK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK COORDINATES LAT: 38°26'47" LONG: 81°26'53"

SURFACE OWNER STEVEN & MARSHA TRACEY ACREAGE 202
ORIGINAL OIL & GAS ROYALTY OWNER EVAN CONNELL, ET UX LEASE ACREAGE 198.5
COAL OWNER _____ LEASE NO. 1007424

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 PAUL AMICK
ADDRESS PO BOX 1273, CHARLESTON, WY ADDRESS PO BOX 1273, CHARLESTON, WY
25325-1273 25325-1273

DEEP WELL

9-0 (217)

MAY 3 - 2002

KANAWHA
COUNTY NAME

1970
PERMIT

FORM WV-6

LATITUDE 38°27'30"

LONGITUDE 81°25'00"

*James
4/22/96*

WELL #7329

WELL #2960

WELL #2939

QUENTIN & BETTY M. QUICK
TM. 24, PAR. 78
DB. 1313, PG. 89

NIF
THOMAS BANNISTER
TM. 24, PAR. 84
WB. 453, PG. 253

WELL #2889

WELL #7355

*0.835
168*

WELL #2909
WELL #7353 (KAN-1970)

N 63°44'10" E 542.42'
N 61°04'55" W 414.33'
S 72°13'35" E 129.96' (SURVEY)
S 75°09' E 463.90' (DEED)

NIF
TIMOTHY J. McVAY
TM. 24, PAR. 74-73
DB. 2356, PG. 57

WELL #7335

NIF
RICHARD S. & ANNA KENNEDY
TM. 24, PAR. 71
DB. 2085, PG. 485

*3291
3289
1558
2839
1550
1971
1523
7353
1496
15*

NORTH SURVEY

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")

FILE NO. _____
DRAWING NO. 2353
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
(SIGNED) Edward Nichols
R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE JANUARY 23, 1996
OPERATOR'S WELL NO. 7353
API WELL NO.

47 039 01970 W
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 723.68' WATER SHED BLUE CREEK
DISTRICT ELK COUNTY KANAWHA
QUADRANGLE BLUE CREEK COORDINATES LAT: 38°26'47" LONG: 81°26'53"

SURFACE OWNER QUENTIN & BETTY M. QUICK ACREAGE 202
OIL & GAS ROYALTY OWNER L. H. COPENHAVER LEASE ACREAGE 202
COAL OWNER _____ LEASE NO. 3066

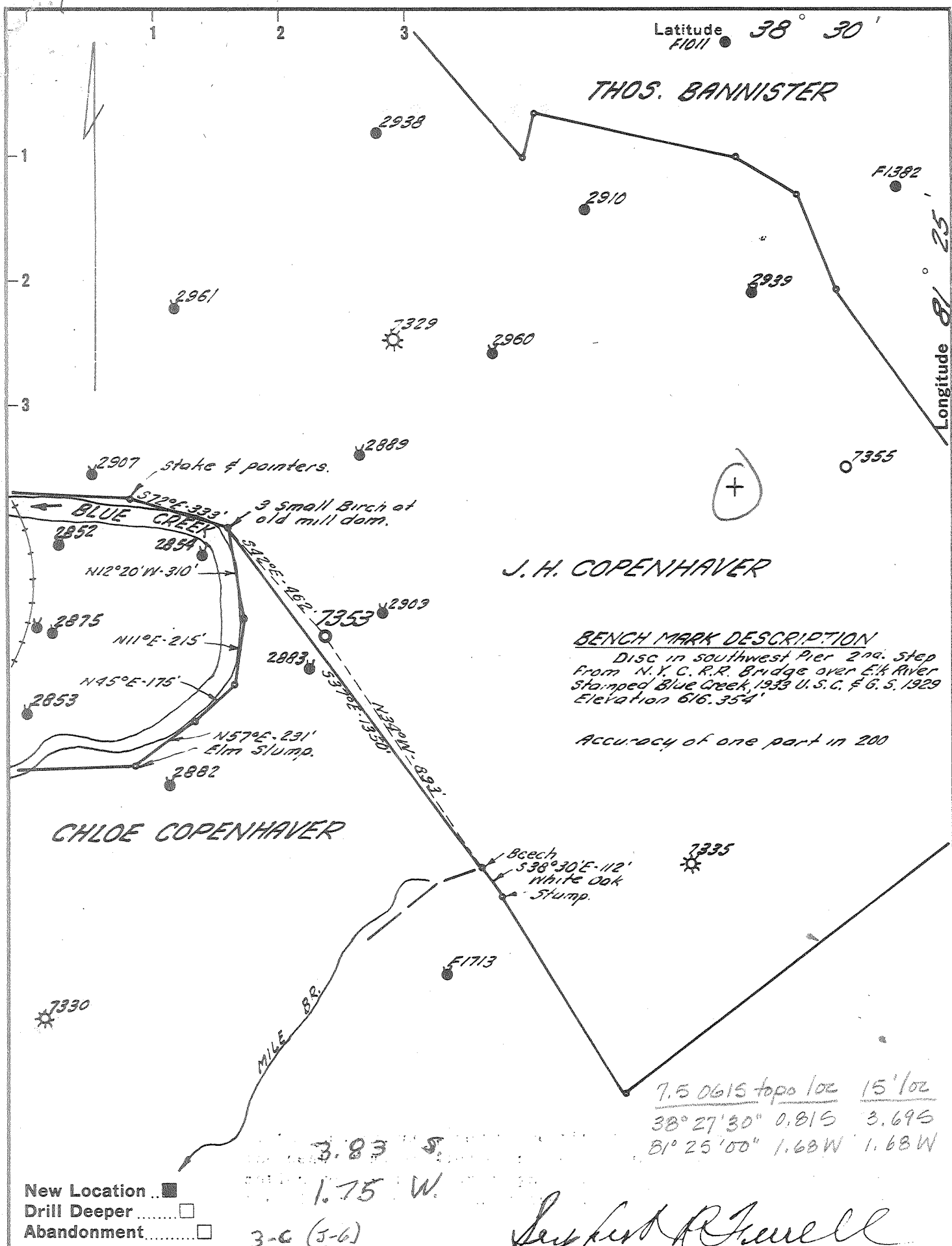
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) STORAGE RECONDITION
Revised casing well same formation

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION Chickony ESTIMATED DEPTH 5220' Storage
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD COTY
ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS PO BOX 1273, CHARLESTON, WV
25325-1273 25325-1273

DEEP WELL

KANAWHA COUNTY NAME PERMIT 1970

FORM 9-6



New Location
 Drill Deeper
 Abandonment

3-C (5-6)

Seibert R. Farrell

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm J. H. COPENHAVER
 Tract _____ Acres 202 Lease No. 7424
 Well (Farm) No. _____ Serial No. 7353
 Elevation (Spirit Level) 723.68'
 Quadrangle CLENDENIN - NW
 County KANAWHA District ELK
 Engineer Seibert R. Farrell
 Engineer's Registration No. 2529
 File No. 70-65 Drawing No. _____
 Date 7-15-63 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. KAN-1970

+ 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.

Samples ??? 2-0 215 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

WELL RECORD

Oil or Gas Well Storage Well
(KIND)

Permit No. KAN-1970

Company United Fuel Gas Company
Address P. O. Box 1273 Charleston 25, W. Va.
Farm J. H. Copenhaver Acres 202
Location (waters) Blue Creek
Well No. X-52-C-7353 Elev. 723.68'
District Elk County Kanawha
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Ada Higgins Hodges, Art., et al.
5146 Kentucky St. SW Address South Charleston, W. Va.
Drilling commenced Oct. 10, 1963
Drilling completed Oct. 24, 1963
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
11-3/4		43'	
8-5/8		1998	Depth set
		5195	Perf. top
5-1/2		48	Perf. bottom
2 3/8		5170	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

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet Salt Water 1265' Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Sand			0	52	11-3/4" Csg. Set at 52' Wet 160' Foam Drilling at 170'		
Sand			52	245			
Sand & Shale			245	490			
Sand			490	765			
Sand & Shale			765	895			
Salt Sand			895	1294	Water at 1265'		
Red Shale & Sand			1294	1396			
Maxon Sand			1396	1418			
Shale & Sand			1418	1438	8-5/8" Csg. at 1995'		
Little Lime			1438	1469			
Shale & Sand & Lime			1469	1481	Gas at 5153'		
Big Lime			1481	1635			
Sand - Injun			1635	1685			
Sand & Shale			1685	1770			
Slate & Shale			1770	1925			
Sand & Shale			1925	2020			
Shale			2020	2255			
Shale & Sand			2255	3640			
Slate & Shale			3640	4105			
Shale			4105	5026			
Corniferous Lime			5026	5151			
Oriskany Sand			5151	5191			
Sand & Lime			5191	5220			
Total Depth			5220'				



5026 5151
724 724
4302 4427

RECEIVED
WV Division of
Environmental Protection

APR 12 1996

Permitting
Office of Oil & Gas

039-1970

Date: December 1, 1995

TO: R.L. Coty

FROM: Tom Newhouse

SUBJECT: OWNERSHIP OF COAL, OIL, GAS AND SURFACE UNDER LEASE NO. 7424 FOR RECONDITIONING OF COLUMBIA STORAGE WELL NO. 7353, 7355.

As to your request and the examination of the Kanawha Court House Records, the following are the owners of the state lease above:

SURFACE

Quentin and Betty M. Quick
300 Walgrove Road
Elkview, W.Va. 25071

*Hanshaw, Surface owner
The adjacent tract
DB 1412 - Pg 169*

1/2 OIL AND GAS- J.H. COPENHAVER, HEIRS

Henry P. Copenhaver
1001 Breezemont Dr.
Charleston, W.Va. 25302

Billie R. Copenhaver
882 Anaconda Ave.
Charleston, W.Va. 25302

Delya King
Box 944
Silverdale, Wa. 98383

Paul McCammon
3350 East Orange Road
Galena, Ohio 43021

Shigemi I. Simms
116 Ogden Circle
Oak Ridge, Tenn. 37830

Elizabeth Simms Boll
4388 Yacht Club Road
Jacksonville, Fl. 32210

Jacqueline C. Raiguel
266 Frame Road
Elkview, W.va. 25071

Robert H. Raiguel
266 Frame Road
Elkview, W.Va. 25071

Anne R. Matics
P.O. Box 978
Clendenin, W.Va. 25045

R.H. Copenhaver
Address Unavailable

039-1970

1/2 OIL AND GAS - D.F. CONNELL, HEIRS

William C. Bolin
625 F Lake Villas Dr.
Altamonte Springs, Fl. 32701

Betty E. Riegg
P.O. Box 771
Waynesville, N.C. 28786

George H. Lybarger
1130 Hillside Dr.
Largo, Fl. 33540

Carol B. Raines
4438 - 20th Ave. S.W.
Naples, Fl. 33999

Betty E. Elliott
7723 Naomi St.
Cincinnati, Oh. 45243

Judith T. Elliott
39 Edgewood Dr.
Sidney, NY. 13838

Dorothy Uldeen Nalley
612 Haron Lane
Pasadena, Tx. 77502

Kenneth Eugene Brown
P.O. Box 1107
Twin Falls, Idaho 83302

Larry K. Brown
Rt. 1, Box 81
Pennacle, N.C. 27043

David W. Brown
206 Turkey Hill Dr.
King, N.C. 27021

Gregory Brown
Grover Square
Apt. 17B Pineview Dr.
Kernersville, N.C. 27284

Richard Brown
Address Unavailable

Michael Brown
P.O. Box 161
Tornado, W.Va. 25202

Brenda Cobbler
Meadowbrook Trailer Ct.#10
Kernersville, N.C. 27284

Charles W. Connell
1601 Hillcrest Drive
Apt. #22
Mobile, Al. 36695

039-1970

Robert D. Connell
4416 Woods Edge Court
Chantilly, Va. 22021

James E. Connell
6403 Lakewood Drive
Jacksonville, Ar. 72076

Agnes M. Davis
6222 86th Ave.
New Carrollton, Md. 20784

Catherine T. Yeary
P.O. Box 1733
Portsmouth, Ohio 45662

Patty M. Roulette
7654 Sunny Brae
Canoga Park, Ca. 91306

Julia L. Linthicum
655 Toy Lane
Bosaye Farms, NM 87068

Arthur B. Davis
427 Garden Ave.
Los Lunas, NM 87031

Jean C. Harsha
2525 Timlin Hill
Portsmouth, Ohio 45662

Mary E. Connell
608 Chestnut Hill Apts.
Morgantown, W.Va. 26505

Elizabeth C. Mathews
516 South Hart Dr.
Charleston, W.Va. 25314

Gaston N. Connell
339 W. Echo Lane
Phoenix, Az. 85021

The First National Bank, Trustee
for Evan S. Connell
Baltimore Ave. & Tenth St.
Box 38
Kansas City, MO. 64141

Louise C. Connell, Agt.
1420 North Franklin St.
Apt. 3-K
Wilmington, De. 19806

039-1970

Jane S. King
4405 Noyes Ave.
Charleston, W.Va. 25304

Elizabeth C. Davis
109 Valley View Dr.
Mt. Sterling, Ohio 43143

Melissa V. Poynter
3356 Grasmere Dr.
Lexington, Ky. 40503

Chloe V. Sinisi
4660 West 29th Ave.
Denver, Co. 80212

Nellie Arnold
% Betty Hamm
Rt. 1, Box 27
Flemingsburg, Ky. 41041

Annella James
Chestnut Park Rest Home
815 Chestnut Park Dr.
Waynesville, NC. 28786

McCabe Land Co.
1223 Staunton Rd.
Charleston, W.Va.

COAL

J.H. Copenhaver, Heirs
SEE ABOVE

RECEIVED
WV Division of
Environmental Protection

DEC 13 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: QUICK, QUENTIN & BETTY Operator Well No.: 7353

LOCATION: Elevation: 723.68 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 4425 Feet South of 38 Deg. 27Min. 30 Sec.
Longitude 8950 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 HIVELEY
Permit Issued: 04/29/96
Well work Commenced: 5-23-96
Well work Completed: 10-5-96
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5220'
Fresh water depths (ft) 160'
Salt water depths (ft) 1265
Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
1 1/4	43'	43'	
8 5/8	1983'	1983'	CIRC. TO Surf.
5 1/2	5220'	5220'	450sx
2 3/8	5122'	5122'	

OPEN FLOW DATA

Producing formation Oriskany Sandstone Pay zone depth (ft) 5151' to 5177'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure N/A psig (surface pressure) after _____ Hours

* STORAGE Well

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: John V. McElbert
Date: 12-12-96

DEC 13 1996

Well # 7353 47-039-1970

All fluid taken to Max Environmental
1815 Washington Road
Pittsburg Pa. 15241
PA Facility ID # 73-0004

Physical Change

- 5-23-96 Pulled 162 jts 2³/₈" tbg.
- 7-30-96 Fished out 2 jts 2³/₈" tbg.
- 8-7-96 Perforated Oriskany from 5151' to 5177' w/ 208 shots
Fractured Oriskany Sand w/ 227 bbls water, 535 mcf N₂,
34,300 # 20/40 sand. Avg. treating Pressure 3057 psig.
ISIP 3425 psig 15 min SIP 2375 psig
- 0-5-96 Ran 154 jts 2³/₈" tbg total 5116' set at
5122' KB.

APR 12 1996

039-1970-W

Issued 04/29/96
Expires 04/29/98

FORM WW-2B

Permitting Office of Oil & Gas

Page ___ of ___

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

21828

Well Operator: COLUMBIA GAS TRANSMISSION CORP 10450 (4) 258

Operator's Well Number: 7353 3) Elevation: 723'

Well type: (a) Oil / or Gas /

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

Proposed Target Formation(s): ORISKANY

Proposed Total Depth: 5220' feet

Approximate fresh water strata depths: 160'

Approximate salt water depths: 1265'

Approximate coal seam depths: NO INFORMATION

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

Proposed Well Work: PULL TUBING ; REPERFORATE ORISKANY ; STIMULATE ORISKANY ; RUN TUBING

CASING AND TUBING PROGRAM

Existing Well

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4"	J-55	47		43'	
Fresh Water	8 5/8"	J-55	24		1983'	TO SURFACE
Coal						
Intermediate						
Production	5 1/2"	N-80	17		5220'	450 SX
Tubing	2 3/8"	J-55	4.6		5139'	
Liners						

Existing from well records

PACKERS : Kind _____
Sizes _____
Depths set _____

00101635
12

For Division of Oil and Gas Use Only

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

APR 12 1996

Permitting
Office of Oil & Gas

1) Date: 2-29-96
2) Operator's well number
7353
3) API Well No: 47 - 039 - 1970 *WV*
State County Permit

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 QUENTIN AND BETTY QUICK
Address 300 WALGROVE ROAD
ELKVIEW, WV 25071
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator: _____
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name SEE ATTACHED LIST
Address _____
Name _____
Address _____

6) Inspector CARLOS W. HIVELEY
Address 223 PINCH RIDGE ROAD
ELKVIEW, WV 25071
Telephone (304) 965-6069

(c) Coal Lessee with Declaration
Name _____
Address _____

Copy of Storage lease in Columbia Gas Transmission Corp. Office for review upon request. See other copy. Jamie 4/22/96.

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 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)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

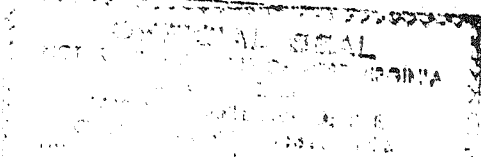
I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and 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: PAUL C. AMICK
Its: STORAGE ENGINEER
Address P.O. Box 1808
ST. ALBANS, WV 25177
Telephone (304) 722-8612

Subscribed and sworn before me this 3rd day of April, 1996

Joyce J. Caudle Notary Public
My commission expires April 16, 1996



WR-35

DATE: 11-7-02
API #: 47-039-01970

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

Well Operator's Report of Well Work

Farm name: S. & M. Tracey Operator Well No.: Coco C # 7353

LOCATION: Elevation: 723.68' Quadrangle: Blue Creek, WV.

District: ELK County: Kanawha
Latitude: _____ Feet South of 38 Deg. 26 Min. 47 Sec.
Longitude _____ Feet West of 81 Deg. 26 Min. 53 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>RR 2 BOX 138</u> <u>Sandeville WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Carlos Hively</u>				
Date Permit Issued: <u>5-2-02</u>				
Date Well Work Commenced: <u>6-12-02</u>				
Date Well Work Completed: <u>8-09-02</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 5151'-5191'
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

* Gas Storage - Does not apply

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.

Signed: [Signature]
By: _____
Date: 11-07-02

FEB 27 2003

KAN 1970

INSTALLED NEW API 5M WELLHEAD

8-01-02

Fractured Oriskany Sand using:

1000 gal 28% HCl

481 bbl Fluid

148 Mscf N₂

25,100 # 20/40 sand

AVG Pressure - 2100 psig

AVG Rate - 15 bpm