

Latitude

32.5 55

Longitude

45 92 1.8

deep well plate stone
NIF Yet
2/26/07

Temp plat.

Topo Location

7.5' Loc. _____ 15' Loc. _____
(calc.) _____

Company Columbia Gas Trans

Farm SIT Ulacki

15' Quad 7331
(sec.)

7.5' Quad _____

District Blue CK.

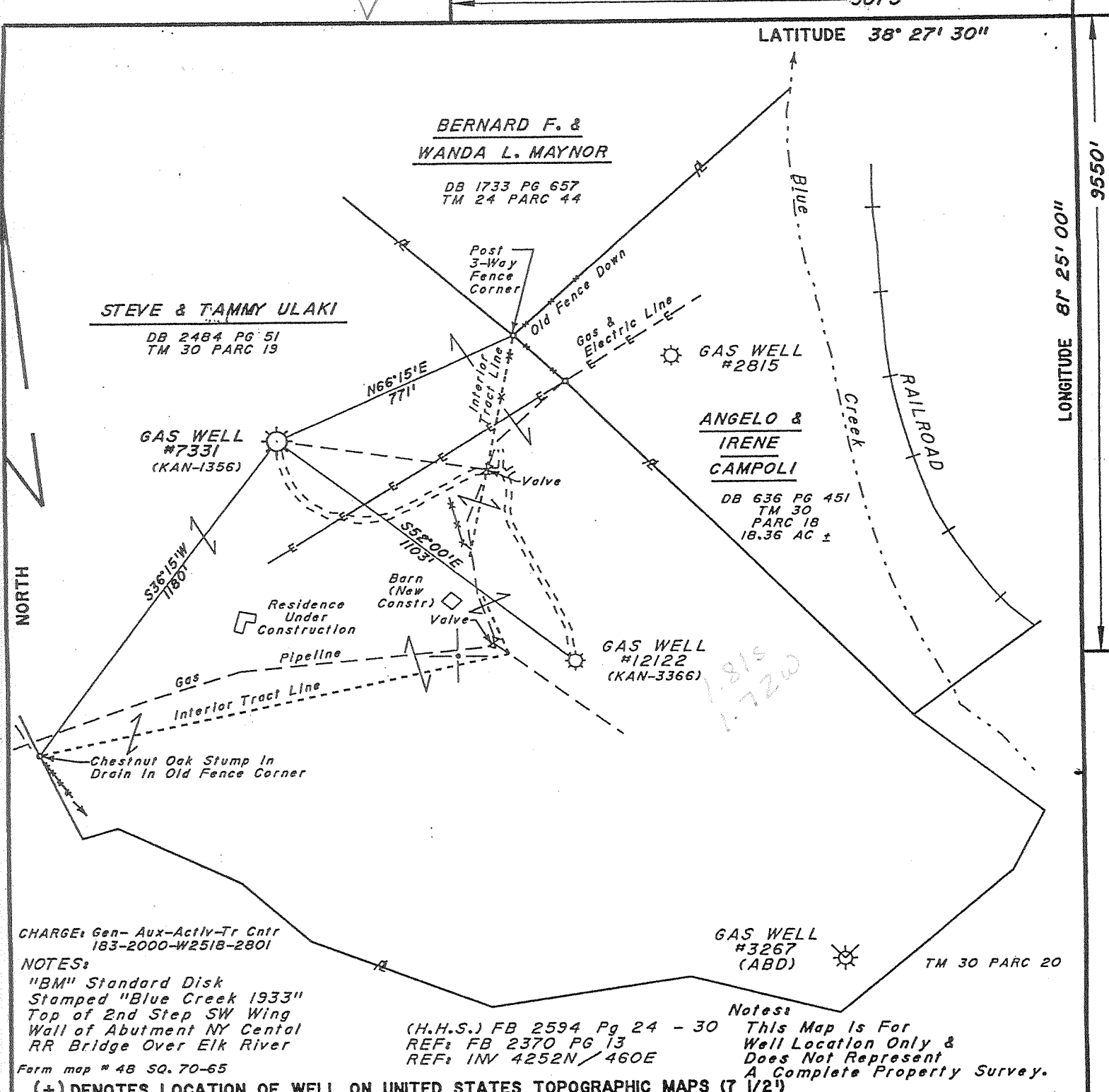
WELL LOCATION PLAT

County 039 Permit 1356

DEEP WELL

9-0

(217)



CHARGE: Gen-Aux-Activ-Tr Cntr
183-2000-W251B-2801

NOTES:
"BM" Standard Disk
Stamped "Blue Creek 1933"
Top of 2nd Step SW Wing
Wall of Abutment NY Cental
RR Bridge Over Elk River
Form map # 48 SQ. 70-65

(H.H.S.) FB 2594 Pg 24 - 30
REF: FB 2370 PG 13
REF: INV 4252N/460E

Notes
This Map is For
Well Location Only &
Does Not Represent
A Complete Property Survey.

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

FILE NO. _____
DRAWING NO. 7331
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION 616.35'
See Note Above "BM"

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) _____
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. 7331
API WELL NO.

47 039 1356 F
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 942.0 WATER SHED Blue Creek (NW of Lower Threemile Fork)
DISTRICT Elk COUNTY Kanawha
QUADRANGLE Blue Creek, WV COORDINATES LAT: 38°25'55" LONG: 81°26'54"

SURFACE OWNER Steve & Tammy Ulaki ACREAGE 60 Acres ±
ORIGINAL OIL & GAS ROYALTY OWNER Virginia W. Clark, Et Al. LEASE ACREAGE 59 Acres ±
COAL OWNER _____ LEASE NO. 1045172

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, WV ADDRESS PO Box 1273, Charleston, WV
25325-1273 25325-1273

DEEP WELL

MAY 3 - 2002

FORM W-9

KANAWHA COUNTY NAME PERMIT 1356 F

9075'

LATITUDE 38° 27' 30"

Water Well Informations
1900' ± Northwest of Well #7331
Property of James D. Snodgrass
(With 2 Small Campers)
5 Houses Are 1900' ± East And
Across Blue Creek From Well #7331

James
11/16/96
**BERNARD F. &
WANDA L. MAYNOR**

DB 1733 PG 657
TM 24 PARC 44

DONALD L. UFFINGER

10600 Burr Oak Way, Burke, Va 22015
DB 2307 PG 554
TM 30 PARC 19
DEED TRACT NO. 2
60 AC ±

GAS WELL #7331
(KAN-1356)

GAS WELL #2815

**ANGELO &
IRENE
CAMPOLI**

DB 636 PG 451
TM 30
PARC 1B
18.36 AC ±

GAS WELL #12122
(KAN-3366)

FORMERLY
N. W. CARTE
DB 348 PG 86
TM 30 PARC 19

NOW
DONALD L. UFFINGER

DB 2307 PG 554
TM 30 PARC 19
DEED TRACT NO. 1
67 AC ±

GAS WELL #3267
(ABD)

TM 30 PARC 20

CHARGE: Gen-Aux-Activ-Tr Cntr
183-2000-W251B-2801

NOTES:
"BM" Standard Disk
Stamped "Blue Creek 1933"
Top of 2nd Step SW Wing
Wall of Abutment NY Cental
RR Bridge Over Elk River

(H.H.S.) FB 2594 Pg 24 - 30
REF: FB 2370 Pg 13
REF: INV 4252N/460E

Form map # 48 SO. 70-65

(+) 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 616.35'
See Note Above "BM"

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) *Edna S. Johnson*
R.P.E. 9936 L.L.S. 798

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE November 11, 1993
OPERATOR'S WELL NO. 7331
API WELL NO.

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

LOCATION: ELEVATION 942.0 WATER SHED Blue Creek (NW of Lower Threemile Fork)
DISTRICT Elk COUNTY Kanawha
QUADRANGLE Blue Creek, WV COORDINATES LAT: 38°25'55" LONG: 81°26'54"

SURFACE OWNER Donald L. Uffinger ACREAGE 60 Acres ±
OIL & GAS ROYALTY OWNER Dorothy E. Meadows, Etal LEASE ACREAGE 59 Acres ±
COAL OWNER _____ LEASE NO. 45172

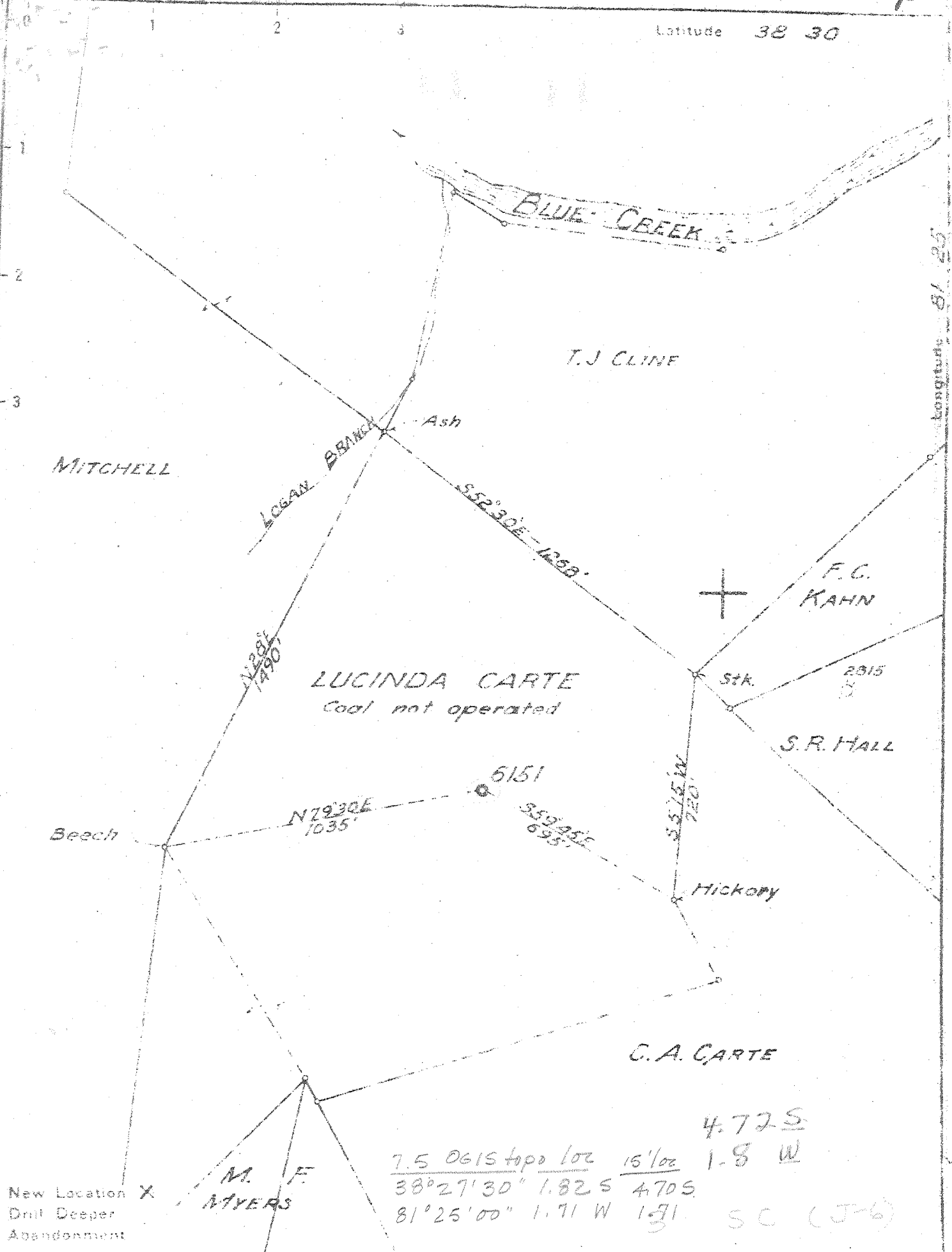
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Cooking ESTIMATED DEPTH 5338'
WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY 2.2.1996
ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

Deep well

KANAWHA
COUNTY NAME
1356
PERMIT

FORM WW-6



New Location X
 Drill Deeper
 Abandonment

Company **UNITED FUEL GAS CO.**
 Address **CHARLESTON, W. VA.**
 Farm **LUCINDA CARTE**
 Tract Area **59** Lease No **45172**
 Well Farm No _____ Serial No **6151**
 Elevation Spine Level **940.22'**
 Contour **CLENDENIN - NW**
 County **KANAWHA** District **ELK**
 State Registration No **662**
 File No **70-65** Drawings No _____
 Date **FEB, 26 1947** Scale **1" = 400'**

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

WELL LOCATION MAP
 FILE NO **KAN 1356**

+ Denotes location of well in United States Topographic Maps, scale 1 to 62,500. It does not indicate lines being represented by faint lines on this map.

- Denotes center of section toward which of original bearing.

DeepWell

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

Permit No. Kan 1356

Gas Well
CASING & TUBING

Glendenin Quad.

Company

United Fuel Gas Co.

Address

P.O. Box 1273, Charleston 25, W.Va. 10 $\frac{3}{4}$ 1672 1672

Farm

Lucinda Carte Acres 59 A 8 5/8 2100 2100

Location

Logan Br. of Blue Creek 7 5202 5202

Well No.

6151 Elev. 940.22 Gr.

District

Elk Kanawha County Coal at 280' 24"

Surface

Mineral

Lucinda Carte et al, Blue Creek, W.Va.

Commenced

3-14-47

Completed

7-28-47

Not shot

Rock Pressure

1670 lbs. 1 month

Salt Water

1075'H.F.

*18,151 MCF - from UFG
Prod
DUM 6/22/94*

Soil	0	10	
Red Clay	10	30	
Blue Mud	30	40	
Red Rock	40	65	
Grey Slate	65	190	
Sand	190	225	
Slate	225	240	
Sand	240	280	
Coal	280	282	
Slate	282	320	
Sand	320	360	
Slate	360	395	
Sand	395	460	
Slate	460	520	
Sand	520	560	
Salt Sand	560	565	
Sand	565	620	
Slate	620	750	
Sand	750	775	
Slate	775	815	
Sand	815	875	
Slate	875	900	
Sandy Lime	900	950	
Slate	950	980	
Salt Sand	980	1445	
Dark Slate	1445	1480	
Sand	1480	1495	
Maxon Sand	1495	1555	
Slate	1555	1563	
Red Rock	1563	1570	
Lime	1570	1605	
Slate	1605	1615	
Little Lime	1615	1650	
Pencil Cave	1650	1665	
Big Lime	1665	1837	Gas 1780'
Slate	1837	1864	
Injun Sand	1864	1900	
Weir Sand - Squaw	1900	1935	Gas 1925-1930 Weir Sand
Broken Sand - Weir	1935	2090	Oil 2005' Show
Black Lime	2090	2105	
Slate & Shells	2105	4150	
White Slate	4150	4725	
Brown Shells	4725	5050	
White Slate	5050	5105	
Brown Skale	5105	5150	
Black Slate	5150	5188	Oil 5291' Corniferous Lime Show
Corniferous Lime	5188	5312	Gas 5326-5338 Oriskany Gas
Oriskany Sand	5312	5338	
Total Depth	5338		

5188 5312

DEC 20 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: UFFINGER, DONALD L. Operator Well No.: 7331

LOCATION: Elevation: 942.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
 Latitude: 9550 Feet South of 38 Deg. 27Min. 30 Sec.
 Longitude 975 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 HIVELY
 Permit Issued: 07/16/96
 Well work Commenced: 8-19-96
 Well work Completed: 10-8-96
 Verbal Plugging
 Permission granted on: _____
 Rotary Cable _____ Rig
 Total Depth (feet) 5363'
 Fresh water depths (ft) 200

Salt water depths (ft) 950

Is coal being mined in area (Y/N)? N
 Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
14"		26'	
10 3/4"		1694'	Cont'd from 475' to 0' (505x Net)
8 5/8"		1656'-2114'	
7"		5237'	
5 1/2"		5300'	
2 3/8"		5200'	

OPEN FLOW DATA

Producing formation Oriskany Sandstone Pay zone depth (ft) 5320' - 5350'
 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 - 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: [Signature]
 Date: 12-18-96

WELL # 7331 47-039-1356

All fluids taken to MAX ENVIRONMENTAL
1815 Washington Road
PITTSBURGH, PA. 15241
PA Facility # P3-0004

Physical Change

RECEIVED
WV Division of
Environmental Protection

DEC 20 1996

Permitting
Office of Oil & Gas

- 8-19-96 Pulled 5317' 2³/₈" Tbg
8-21-96 Pulled 1715' 5¹/₂" Csg
8-22-96 Pulled 1691' 7" Csg
8-27-96 Pulled 1656' 8⁵/₈" Csg.
8-28-96 Squared 10³/₄" casing w/ 150 stcs Class A
from 475' to surface.
8-31-96 Tied Back 7" csg
9-1-96 Tied Back 5¹/₂" csg
9-12-96 Drilled 3⁷/₈" hole in lime to 5363'
9-21-96 Fractured Oriskany sandstone w/ 124 bbls H₂O,
366 Mscf N₂, and 17,500 # 20/40 sand. Avg
Treating Pressure 2754 psig. ISIP 3603 psig, 15 min SIP 2230 psig
10-8-96 Ran 16 bgt's 2³/₈" tbg set at 5200' KB.

RECEIVED
 WV Division of
 Environmental Protection

039-1356-W

Issued 07/16/98
 Expires 07/16/98
 Page ____ of ____

FORM WW-2B MAR 18 1996

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

Well Operator: COLUMBIA GAS TRANSMISSION CORP 10450 ④ 258

Operator's Well Number: 7331 3) Elevation: 940'

Well type: (a) Oil / or Gas ✓

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

Proposed Target Formation(s): ORISKANY ⁴⁷⁵

Proposed Total Depth: 5440' feet

Approximate fresh water strata depths: 200' (EST)

Approximate salt water depths: 950'

Approximate coal seam depths: NO INFORMATION

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

1) Proposed Well Work: RUN 2 3/8" TUBING; RUN 5 1/2" FROM 2000'; RUN 7" FROM 1700';
RUN 8 5/8" FROM 1650'; RE-CEMENT 10 3/4" TO SURFACE; TIE BACK 7" AND 5 1/2"
 2) CASING; DRILL NEW HOLE 5338' - 5440'; RUN 2 3/8" TUBING; STIMULATE ORISKANY
CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	14"				216'	380SR, 811.3
Fresh Water	10 3/4"		32.5#/ft		1694'	CIRCULATE TO SURFACE
INTERMEDIATE Casing	8 5/8"		28#/ft	2114'	2114' - 1650'	
Intermediate	7"		23#/ft		5237'	380SR, 811.22
Production	5 1/2"		17#/ft		5300'	
Tubing	2 3/8"		4.7#/ft		5250'	
Packers						

PACKERS : Kind _____
 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 Blanket Agent

(Type)

RECEIVED
WV Division of
Environmental Protection

MAR 18 1996

1) Date: 2-28-96
2) Operator's well number 7331
3) API Well No: 47 - 039 - 1356-W
State County Permit

Permitting
Office of Oil & Gas
**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 DONALD L. UFFINGER
Address 11350 RANDOM HILLS ROAD,
#821, FAIRFAX COUNTY, VA 22030
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name DOROTHY E. MEADOWS
Address 103 ELK DRIVE
FELKVIEW, WV 25071
Name _____
Address _____

6) Inspector CARLOS W. HIVELY
Address 223 PINCH RIDGE ROAD
FELKVIEW WV 25071
Telephone (304) - 965-6069

(c) Coal Lessee with Declaration
Name _____
Address _____

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

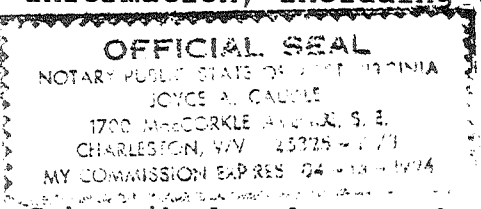
Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

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: Richard L. Coty
Its: Manager - Well Services
Address P.O. Box 1273
Charleston WV 25325-1273
Telephone 304-357-3034

Subscribed and sworn before me this 4th day of March, 1996

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

Handwritten initials

WR-35

DATE: 11-7-02
API #: 47-039-01356

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

Well Operator's Report of Well Work

Farm name: S. T. Ulicki Operator Well No.: Coco C #7331

LOCATION: Elevation: 942' Quadrangle: Blue Creek, W.V.

District: ELK County: Kanawha

Latitude: _____ Feet South of 38 Deg. 25 Min. 55 Sec.

Longitude _____ Feet West of 81 Deg. 26 Min. 54 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>Sandsville, WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Carlos Hively</u>				
Date Permit Issued: <u>5-02-02</u>				
Date Well Work Commenced: <u>6-01-02</u>				
Date Well Work Completed: <u>8-03-02</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) 5312' to 5338'

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: 11-7-02

FEB 27 2003

KAN 1356

Installed new API SM Wellhead

7-25-02

Fractured Oriskany Sand using:

1000 gal 28% HCl

449 bbls Fluid

140 mscf N₂

26,000# 20/40 Sand

AVG Pressure - 3300 psig

AVG Rate - 13 bpm