

LATITUDE 39°02'30" 5.272'

LONGITUDE 78°50'00" 14.816'

NOTE: No houses or water wells are within 200'.

Barbara Wilson
DB 216 Pg. 573
Tax Map 347 P 19

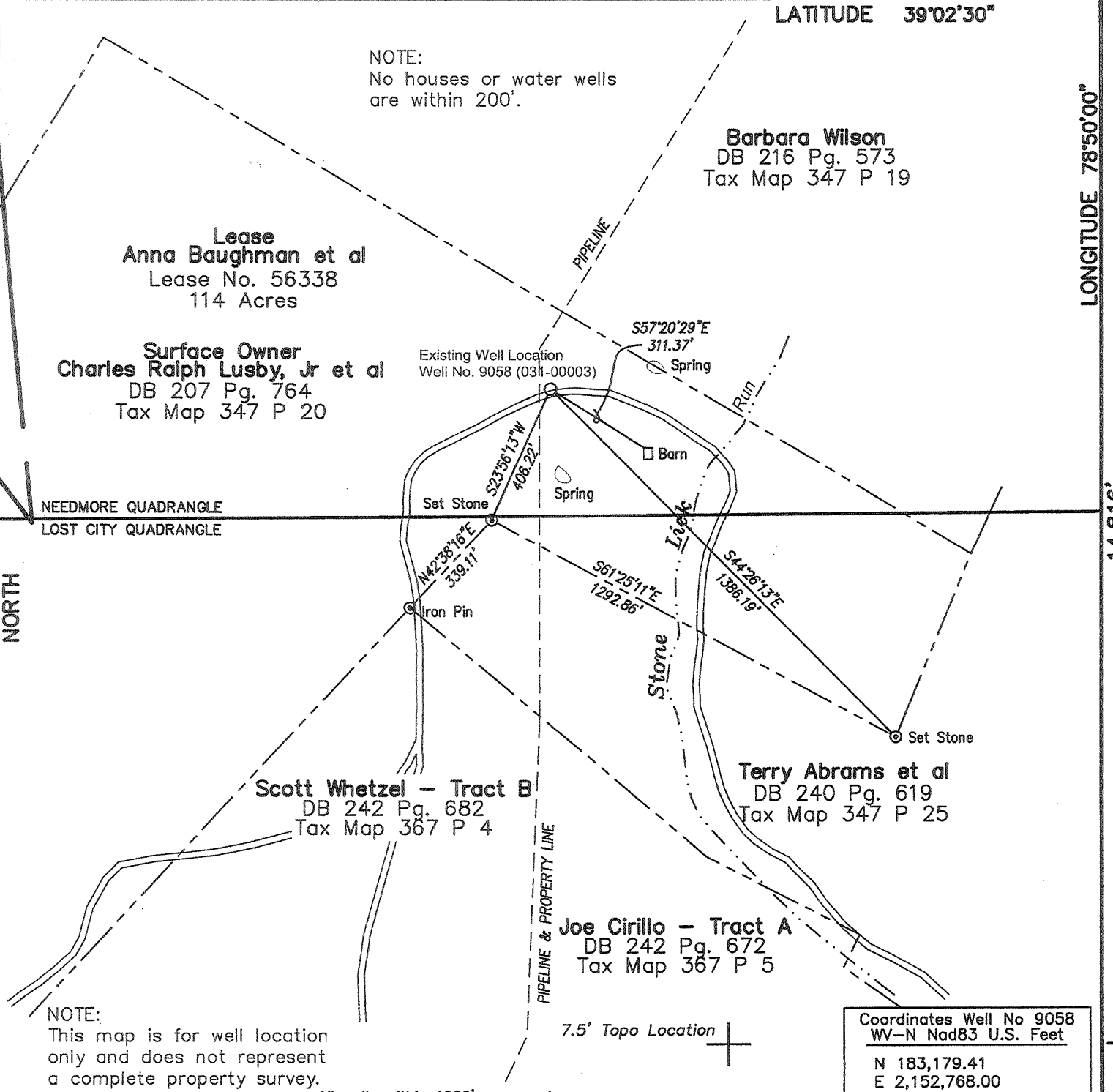
Lease
Anna Baughman et al
Lease No. 56338
114 Acres

Surface Owner
Charles Ralph Lusby, Jr et al
DB 207 Pg. 764
Tax Map 347 P 20

Existing Well Location
Well No. 9058 (0311-00003)

NEEDMORE QUADRANGLE
LOST CITY QUADRANGLE

NORTH



Scott Whetzel - Tract B
DB 242 Pg. 682
Tax Map 367 P 4

Terry Abrams et al
DB 240 Pg. 619
Tax Map 347 P 25

Joe Cirillo - Tract A
DB 242 Pg. 672
Tax Map 367 P 5

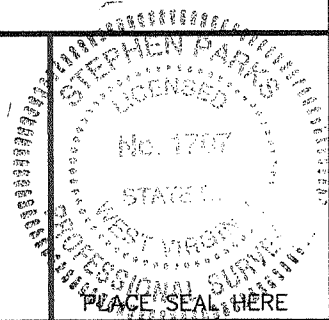
NOTE: This map is for well location only and does not represent a complete property survey.

Coordinates Well No 9058
WV-N Nad83 U.S. Feet
N 183,179.41
E 2,152,768.00

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

FILE NO. _____
DRAWING NO. 9058
SCALE 1" = 400'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION _____
GPS CP No. 24 Elevation 1681.49'

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) Stephen Parks
R.P.E. 8982 L.L.S. 1707



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



DATE Sept 8 2004
OPERATOR'S WELL NO. 9058
API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW ___
LOCATION: ELEVATION 1953.67' WATER SHED Stone Lick Run of Kimsey Run
DISTRICT Lost River COUNTY Hardy
QUADRANGLE Needmore

47 - 031 - 00003-A
STATE COUNTY PERMIT

SURFACE OWNER Charles Ralph Lusby Jr et al ACREAGE _____
OIL & GAS ROYALTY OWNER Anna Baughman et al LEASE ACREAGE 114
LEASE NO. 56338

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 P.O. Box 1273 ADDRESS P.O. Box 1273
Charleston, WV 25325-1273 Charleston, WV 25325-1273

DEC 30 2005

(Lost River - 328) 8-6

FORM WV-6

HARDY COUNTY NAME PERMIT 0003-A

Latitude 39° 05'

Longitude 78° 50'

ERNEST R. WALKER

G. C. WISE

ANNA BAUGHMAN ET. AL.

9058

SPRING RUN

Set Stone.

N 30° E
400'

SPRING

STONE LICK

N 38° 05' E
1387'

Set Stone
Black Oak wit.

S 48° 45' W
1950'

N 55° 05' W
1290'

+

Set Stone.

S 28° 15' W
460'

GROVER C. MILLER

Set Stone by Hollow
Red Oak and Dogwood
Wit.

5.62 S.
0.91 W.

B-SE (G-16)

New Location
Drill Deeper
Abandonment

Company	UNITED FUEL GAS CO.
Address	CHARLESTON, W. VA.
Farm	ANNA BAUGHMAN, ET. AL.
Tract	Acres 114 Lease No. 56338
Well (Farm) No.	Serial No. 9058
Elevation (Spirit Level)	1965.02' <small>Needmon 7.5' quad</small>
Quadrangle	MOOREFIELD - 5 C
County	HARDY District SOUTH FORK
Engineer	Seibert R. Ferrell
Engineer's Registration No.	2529
File No.	210-103 Drawing No.
Date	4-18-62 Scale 1" = 400'

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

WELL LOCATION MAP

FILE NO. HARDY-3

+ 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.

158 IMPERIAL TRACING CLOTH T.M.

80048

Samples 0-7600; 7700-7700; 7850-10,590

19-J

1-1 304 329
Deep Well Lost River

WR-35
Rev (5-01)

DATE: 5/3/07
API #: 47-031-00003

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

Well Operator's Report of Well Work

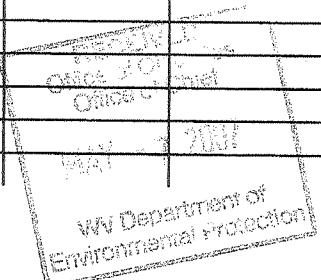
Farm name: Charles Ralph Lusby Operator Well No.: 9058

LOCATION: Elevation: 1954 Quadrangle: Needmore

District: Lost River County: Hardy
Latitude: 14.816 Feet South of 39 Deg. 02 Min. 30 Sec.
Longitude 5.272 Feet West of 78 Deg. 50 Min. 00 Sec.

Company: Columbia Gas Transmission Corp

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1700 MacCorkle Ave SE Charleston, WV 25325-1273	4-1/2"	6731 ft	6725 ft	445 cu ft
Agent: Paul Amick	All other existing casing left in well.			
Inspector: Bill Hatfield / Craig Duckworth				
Date Permit Issued: 12/28/05				
Date Well Work Commenced: 3/20/06				
Date Well Work Completed: 1/22/07				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 6854				
Fresh Water Depth (ft.): not applicable				
Salt Water Depth (ft.): not applicable				
Is coal being mined in area (N/Y)? no				
Coal Depths (ft.):				



OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 6756 - 6980
Gas: Initial open flow not applicable MCF/d Oil: Initial open flow not applicable Bbl/d
Final open flow 8800 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests not applicable Hours
Static rock Pressure 1267 psig (surface pressure) after +72 Hours

Second Producing formation not applicable Pay zone depth (ft) not applicable
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: James E. Amos
By: James E. Amos - Senior Storage Engineer - Columbia Gas Transmission Corp
Date: 5/3/07

JUL 06 2007

HARDY 0003

This is an existing production well that was converted to a natural gas storage well. Below is a summary of work performed.

- 1) Tubing pulled, 4-1/2" casing ran and cemented, new API wellhead installed, and acid stimulation.
- 2) Baker Atlas ran GR-Neutron and cement bond log (SBT).

* Note that no earthen pit was utilized. Workover and flowback treatment fluids recovered via steel tanks and transported to LAD in Wheeling, WV for disposal/processing.

JUL 06 2007



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4
REVISED -
WELL RECORD

Quadrangle Moorefield,

Permit No. Hardy-3

Oil or Gas Well Gas

Company <u>United Fuel Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 1273 Charleston 25, W. Va.</u>	Size			
Farm <u>Anna Baughman, et al</u> Acres <u>878 Merger</u>				
Location (waters) <u>Stone Lick</u>				
Well No. <u>9058-T</u> Elev. <u>Z 1965.0216</u>		<u>46' Cemented</u>		Kind of Packer
District <u>South Fork</u> County <u>Hardy</u>	<u>11-3/4"</u>	<u>2093'</u>	"	<u>Lynes</u>
The surface of tract is owned in fee by _____	10			Size of _____
Address _____	<u>8 5/8</u>	<u>7111'</u>	"	<u>3 1/2" x 8"</u>
Mineral rights are owned by <u>Ernest R. Walker, Agt., et al</u>				Depth set _____
<u>Route #1</u> Address <u>Needmore, W. Va.</u>	<u>5 3/16</u>			<u>6765'</u>
Drilling commenced <u>6-23-62</u>	<u>3 1/2</u>	<u>6759'</u>	<u>6759'</u>	Perf. top _____
Drilling completed <u>12-9-62</u> <i>Partial plug back to 6887'</i>	<u>2</u>			Perf. bottom _____
Date Shot _____ From _____ To _____	Liners Used			Perf. top _____
With _____				Perf. bottom _____
Open Flow /10ths Water in _____ Inch				
/10ths Merc. in _____ Inch				
Volume <u>4,555 M - Oriskany</u> Cu. Ft.				
Rock Pressure <u>2310</u> lbs. <u>48</u> hrs.				
Oil _____ bbls., 1st 24 hrs.				
WELL ACIDIZED _____				
WELL FRACTURED _____				

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

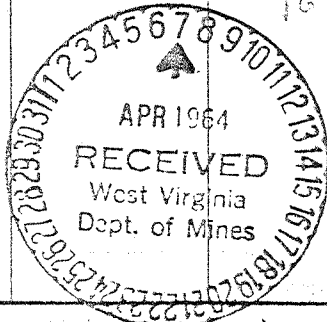
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES
 _____ FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 49 115' Feet 150' Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Chemung-Brallier		<i>Good Top</i>	0	4710	Water at 49'; 115'; 150' (50 bbls. per day)		
Harrell Shale		6630 4710	4710	5010			
Hamilton Shale		1965 5110	5010	5800			
Marcellus Shale		4665 6130	5800	6630	Gas show at 6782-6800' - Orisk.		
Metabentonite - TOGA		6626		6630			
Needmore Shale		6680	6630	6756	Gas at 6838-6845' 24/10 Merc. 2" 762 M Orisk		
Oriskany Sand		8890 6756	6756	6980			
Helderberg Lime		8890 6980	6980	7550	Salt Water at 8930', filled up 1200' in 7-5/8" hole 48,000 P.P.M. cl. Bottom of Kefer		
Tonoloway-Wills Creek		1965 7160	7550	8645			
Williamsport-Bloomburg		6928 8100	8645	8700	Hole plugged back from 10,584' to 6887'		
McKenzie Formation		8103	8700	8890			
Kefer Sand		8103	8890	8930			
Clinton Shale - Rose Hill		7329 8930	8930	9350			
Clinton Sand - Tuscarora		7329 9350	9350	9580	Bridge plug set at 6894' with 7' of cal seal		
Juniata Formation		1965 9580	9580	10,247			
Oswego Sand		10,247	10,247	10,400			
Martinsburg Formation		10,410	10,400	10,584	Oriskany perforated from 6788-6804', 6836-6860', 6874-6880', 4 shots per foot.		
Total Depth		10,584'	10,584'	10,584'	Original open flow - 24/10 Merc. 2" 762 M		
		10,247			Acidized 12-18-62 with 300 gallons NCA and 10,000 gallons 15% HCl (6,000 gallons retarded and 4,000 gallons regular) and 130 Mcf nitrogen		
		9580			Shut in 12-31-62 in 3 1/2" tubing.		
		6630					
		1965					



4665 (over) 6630 9580

