

NOTES:

- 1. RUTH L. KOONTZ'S RESIDENCE IS WITHIN 1000 FT. OF SEVERAL PROPOSED CBM WELLS. A WATER WELL SAMPLE WAS COLLECTED AND ANALYZED. REFER TO FORM WW2-B1 FOR ADDITIONAL INFORMATION.
- 2. CONSOLIDATION COAL COMPANY OWNS ALL COAL IN AND AROUND THE PROPOSED WELL BORE. REFER TO FORM WW-5A FOR INFORMATION PERTAINING TO COAL OWNERS WITHIN SEVEN HUNDRED AND FIFTY FEET OF THE PROPOSED WELL BORE.

CONSOLIDATED GAS SUPPLY CORP.
TAX MAP 5 PARCEL 8
DEED BOOK 278 PAGE 349

LATITUDE 39°42'30"

RUTH L. KOONTZ
TAX MAP 5 PARCEL 10
DEED BOOK 329 PAGE 351

EPHRIAM L. JR. AND BETTY JO WADE
TAX MAP 5 PARCEL 7
DEED BOOK 331 PAGE 563

RUTH L. KOONTZ
TAX MAP 5 PARCEL 9
DEED BOOK 329 PAGE 351

PAUL L. KOONTZ
TAX MAP 5 PARCEL 27.1 & 27
DEED BOOK 370 PAGE 193

CARL BERNARD JR. AND SHARON MARSHALL
TAX MAP 5 PARCEL 21
DEED BOOK 280 PAGE 7

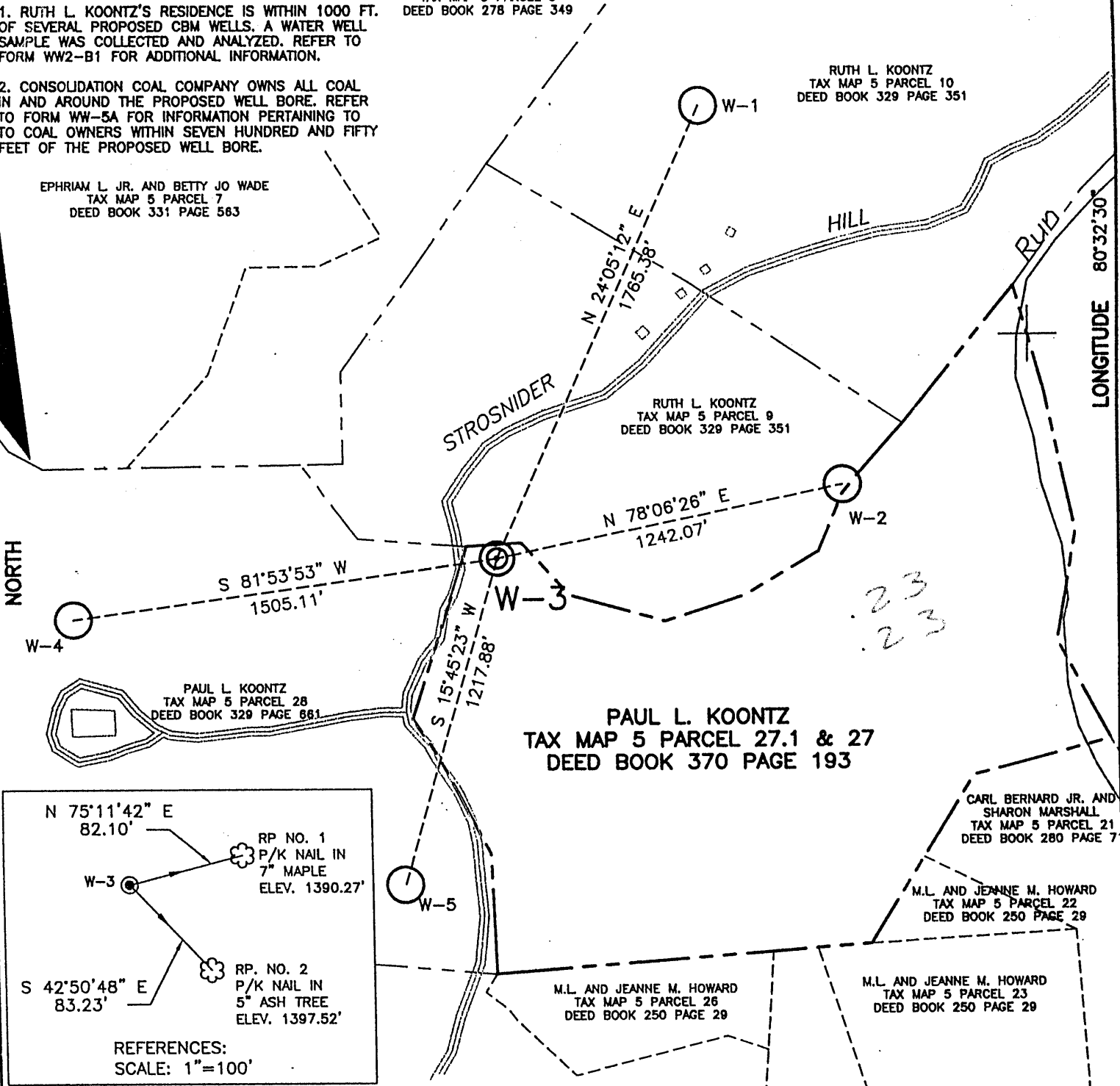
M.L. AND JEANNE M. HOWARD
TAX MAP 5 PARCEL 22
DEED BOOK 250 PAGE 29

M.L. AND JEANNE M. HOWARD
TAX MAP 5 PARCEL 26
DEED BOOK 250 PAGE 29

M.L. AND JEANNE M. HOWARD
TAX MAP 5 PARCEL 23
DEED BOOK 250 PAGE 29

NORTH

LONGITUDE 80°32'30"



N 75°11'42" E 82.10'

RP. NO. 1
P/K NAIL IN
7" MAPLE
ELEV. 1390.27'

W-3

S 42°50'48" E 83.23'

RP. NO. 2
P/K NAIL IN
5" ASH TREE
ELEV. 1397.52'

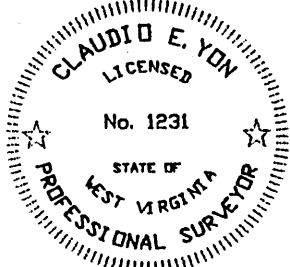
REFERENCES:
SCALE: 1"=100'

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

FILE NO. B01-015-176
DRAWING NO. B01-015-A15
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION USC&G MONUMENT
STATION NAME BURTON

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) Charles E. Yon
Professional Surveyor No. 1231



WVDEP
OFFICE OF OIL AND GAS DIVISION
1356 HANSFORD ST.
CHARLESTON, WV 25301



DATE APRIL 24, 2001
OPERATOR'S WELL NO. W-3
API WELL NO. 47-103-01823C
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1370.77± WATERSHED WEST VIRGINIA FORK FISH CREEK OF FISH CREEK
DISTRICT CLAY COUNTY WETZEL
QUADRANGLE LITTLETON ACREAGE 240±

SURFACE OWNER PAUL L. KOONTZ LEASE ACREAGE _____
OIL & GAS ROYALTY OWNER (CBM) SEE NOTE 2 ABOVE LEASE NO. _____

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 MONONGAHELA, CONEMAUGH, & ALLEGHENY
ESTIMATED DEPTH 2022'

WELL OPERATOR CONSOL ENERGY, INC (NORTH) DESIGNATED AGENT EDWIN L. MERRIFIELD
ADDRESS 1800 WASHINGTON ROAD ADDRESS 116 1/2 HUNSAKER STREET
PITTSBURGH, PA 15421-1421 FAIRMONT, WV 26554

MAY 11 2001

ALLIANCE CONSULTING, INC. (WVCS.DWG) FORM IV-5

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

AD

Well Operator's Report of Well Work

Farm Name: Paul L. Koontz Operator Well No.: Wetzel County CBM Well No. W-3

Location: Elevation: 1370.77' ± Quadrangle: Littleton

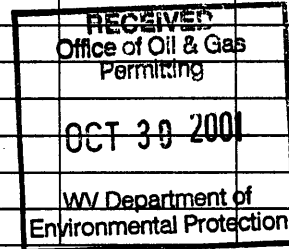
District: Clay County: Wetzel

Latitude: 1251.8' Feet South of 39 Deg. 42 Min. 30 Sec.

Longitude: 1252.0' Feet West of 80 Deg. 32 Min. 30 Sec.

Company: Consol Energy, Inc. (North)

	Casing & Tubing	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
Address: 1800 Washington Road	11 3/4"	30'	30'	GRTD
Pittsburgh, PA 15241	8 5/8"	867.30'	867.30'	236
Agent: Edwin L. Merrifield	5 1/2"	2082.40'	2082.40'	431
Inspector: Randal Mick				
Date Permit Issued: 5/11/01				
Date Well Work Commenced: 5/29/01				
Date Well Work Completed: 8/6/01				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 2125'				
Fresh Water Depth (ft.): N/A				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 825, 1190, 1549, 1655 and 1955				



OPEN FLOW DATA REFER TO ATTACHMENTS B & C

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

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. **REFER TO ATTACHMENTS A, B & C**

Signed: Geoff Fanning
By: Dell Foreman
Date: 10/25/01

NOV 02 2001
NOV 02 2001

ATTACHMENT A

Wetzel County CBM No. W-3 Drill Log

Depth	Description
0-30	Top
30-825	Sand/Shale
825-829	Coal (Waynesburg)
829-1190	Sand/Shale
1190-1195	Coal (Pittsburgh)
1195-1225	Gray Sand
1225-1255	Red Rock
1255-1455	Sand/Shale
1455-1585	Red Rock
1549-1553	Coal (Brush Creek)
1553-1655	Shale
1655-1658	Coal (Mahoning)
1658-1955	Sand/Shale
1955-1958	Coal (Middle Kittanning)
1958-2125 (TD)	Sand/Shale

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Office of Oil & Gas
Permitting
OCT 30 2001
WV Department of
Environmental Protection

NOV 02 2001

ATTACHMENT B

Wetzel County CBM Well No. W-2 Completion

Permittee:	Consol Energy, Inc. (North)
API Permit No.:	47-103-01822
Company Well No.:	CBM Well No. W-2
Completion Date:	06/22/2001
Total Depth:	2095'

	Zone 1	Zone 2	Zone 3	Zone 4
Coals	Clarion and Kittanning Coals	Middle Freeport, Mahoning and Bakerstown	Pittsburgh	Sewickley
Treatment				
Nitrogen (MSCF)	308	440	500	258
Water (BBLs)	163	165	247	145
Sand (SXS 16/30)	48	250	600	204
Top Perf	1872	1521	1161	1056
Bottom Perf.	1986	1792	1166	1059
# Perfs	28	20	20	12
Perf Size	0.45	0.45	0.45	0.45
Break. Press.	3743	3096	1600	2093
Avg. Rate	22.5	23.7	24.8	18.9
ISIP	Sanded Out	2205	2432	2971
Min	5	5	5	5
Min Press.	N/A	1756	2069	2175
Avg. Press.	3566	2951	2448	3100
Stimulated	Y	Y	Y	Y
Stim. Date	06/22/2001	06/22/2001	06/22/2001	06/22/2001

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NOV 02 2001

WET 1822

ATTACHMENT C

Wetzel County CBM Well No. W-3 Perforations

Permittee: Consol Energy, Inc. (North)
API Permit No.: 47-103-01823
Company Well No.: Wetzel County CBM Well No.W-3
Total Coal Thickness: 22.0 ft.

	Formation	Top of Coal	Bottom of Coal	Coal Thickness	Actual Perfs
STAGE 1	Clarion			2.3	2031-2034
	Middle Kittanning			2.8	1967-1970
	Coal			0.4	1960-1961
	Upper Kittanning			1.8	1922-1924
Total Coal				7.3	

STAGE 2	Lower Freeport			0.3	1829.5-1830.5
	Mahoning			1.1	1749.5-1751.5
	Brush Creek			1.1	1670-1671
	Bakerstown			1.0	1566-1567.5
Total Coal				3.5	

STAGE 3	Pittsburgh			6.3	1199.5-1205.5
	Coal			1.1	
Total Coal				7.4	

STAGE 4	Sewickley			3.8	1093-1097
Total Coal				3.8	

** Perf with 4" guns, 4 Jet Shots per Foot, 120 degree Phasing

** Isolate stages with FasDrill Frac Plugs

