

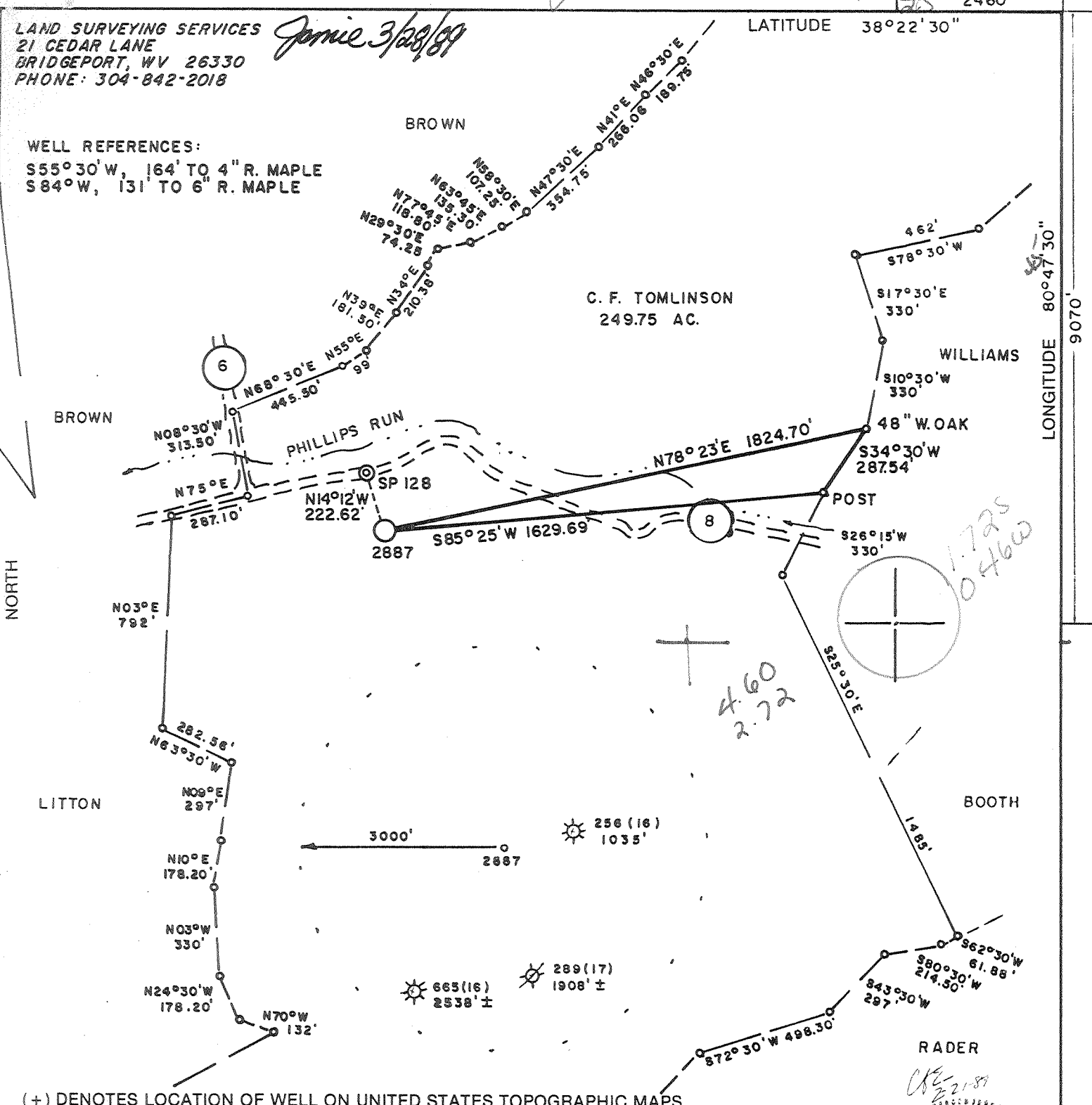
LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

Janie 3/28/89

LATITUDE 38°22'30"

25-2460'

WELL REFERENCES:
S55°30'W, 164' TO 4" R. MAPLE
S84°W, 131' TO 6" R. MAPLE



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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 2500
PROVEN SOURCE OF ELEVATION EXIST. WELL 256
ELEV. - 1889'

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. _____ L.L.S. 674
STEPHEN D. LOSH

STEPHEN D. LOSH
LICENSED
674
STATE OF WEST VIRGINIA
LAND SURVEYOR
PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE FEBRUARY 08, 19 89
OPERATOR'S WELL NO. 2887
API WELL NO. 47-067-0678
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
LOCATION: ELEVATION 1922' WATERSHED PHILLIPS RUN OF MUDDLETY CREEK
DISTRICT HAMILTON 3 COUNTY NICHOLAS
QUADRANGLE SUMMERSVILLE 7.5 min. 628 120 6 +15' EC
SURFACE OWNER WARWICK RESOURCES, INC. ACREAGE 249.75
OIL & GAS ROYALTY OWNER C. F. TOMLINSON LEASE ACREAGE 249.75
LEASE NO. 62375

PROPOSED WORK: DRILL X 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 NEWBURG ESTIMATED DEPTH 7750'
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26330

MAR 31 1989

DEEP WELL 3-3 Summersville (314) DPD-Huntersville

COUNTY NAME
PERMIT

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MAR 24 1989

Page 1 of
Form WW2-A
(09/87)
File Copy

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: February 27, 1989
2) Operator's well number
CNGD 2887
3) API Well No: 47 - 067 - 0678
State - County - Permit

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 Warwick Resources, Inc.
Address 201 Rollingwood Drive
Beckley, WV 25801
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name same as Surface Owner
Address _____
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name ~~Capella, Inc.~~
Address XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
- 6) Inspector Rodney G. Dillon
Address P. O. Box 1526
Sophia, WV 25921
Telephone (304)- 683-3989

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)
_____ 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, CNG Development Company
By: [Signature]
Its: Supervisor Purchasing/Production Services
Address One Park Ridge Center, P. O. Box 15746
Pittsburgh, PA 15244
Telephone (412) 787-4117

NOTARIAL SEAL
SHARON L. BROWN, NOTARY PUBLIC
FINDLAY TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES JUNE 18, 1990

Member, Pennsylvania Association of Notaries

Subscribed and sworn before me this 27 day of February, 1989

[Signature] Notary Public
My commission expires June 18, 1990

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

- 1) Well Operator: CNG Development Company *10110, 3, ~~10110~~ 624*
- 2) Operator's Well Number: CNGD 2887 3) Elevation: 1922
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Newburg *585*
- 6) Proposed Total Depth: 7750 feet
- 7) Approximate fresh water strata depths: 5' - 985' *95 58, 547, 538'*
- 8) Approximate salt water depths: none
- 9) Approximate coal seam depths: 599 *OK 3ft possibly more*
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill new well
- 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	13 3/8	K-55	54.5	200	200	To surface 38CSR-18-11.3
Coal						<i>38CSR-18-11.2</i>
Intermediate	9 5/8	K-55	36	2550	2550	To surface 38CSR-18-11.3
Production	5 1/2	M-75	17	7750	7750	250-350 sks 38CSR-18-11.1
Tubing	2 3/8	J-55	4.7	7650	7650	
Liners						

3465

PACKERS : Kind _____
Sizes _____
Depths set _____

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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 50 Blanket Agent
 (Type)

028192

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

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DIVISION OF OIL & GAS Well Operator's Report of Well Work
DEPARTMENT OF ENERGY

Farm name: C. F. Tomlinson

Operator Well No.: CNGD 2887

LOCATION: Elevation: 1922' Quadrangle: Summersville 7.5 min.

District: Hamilton
Latitude: 38°22'30"
Longitude: 80°47'30"

County: Nicholas
Deg.
Deg.

Company: CNG DEVELOPMENT CO., A DE
P. O. BOX 15746
PITTSBURGH, PA 15244-0000

Agent: RODNEY J. BIGGS

Inspector: Rodney Dillon
Permit Issued: 03/30/89
Well work Commenced: 5/31/89
Well work Completed: 9/2/89
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 7108'
Fresh water depths (ft) 40', 192'

Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	215	215	180 sks
9 5/8	2328	2328	912 sks
7	5951	5951	150 sks
4 1/2	7087	7087	125 sks
2 3/8	6783	6783	----

OPEN FLOW DATA

Producing formation Chert Pay zone depth (ft) 6816-6894
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 790 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 1350 psig (surface pressure) after 14 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.

Rodney J. Biggs, Manager
For: CNG DEVELOPMENT CO., A DELAWARE CORP.

By: _____

Date: 10/17/89

OCT 20 1989

100

Perforated Chert 6816 - 6894, 82 holes, .50" 3 3/8" Expendable

Acidize Chert - Ave Rate 10 (Down Annulus), Ave Pres. 3500 psi, Max Pres. 5000 psi (ballout)
Total 28% Acid - 1025 gal, Total Fluid 681 bbl, Total SCF N₂ 352,100.

Well Making 50 bbl saltwater per day

Grey Shale	0	35	Wet @ 40'
Sand & Shale	35	1649	192'
L. Lime	1649	1855	
Sand & Shale	1855	7108	

LOG TOPS

Onondaga Ls.	6778	6786
Huntersville Chert	6786	6914
Oriskany Ss.	6914	7018
Helderberg Ls.	7018	
TD	7109	

7109
2300
4809 - expl. ftg.

S 7/18

PM 3 2 18