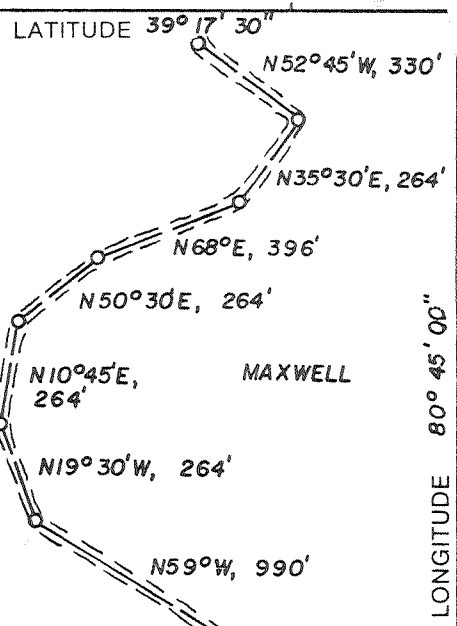
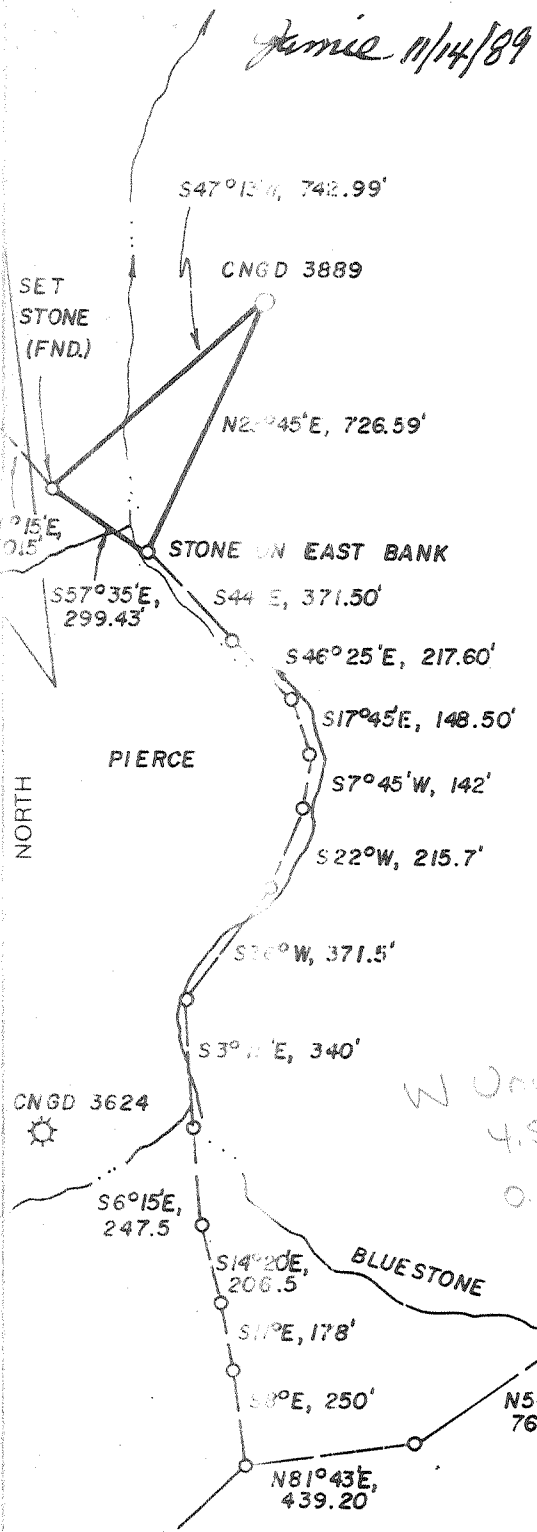


Janie 11/14/89

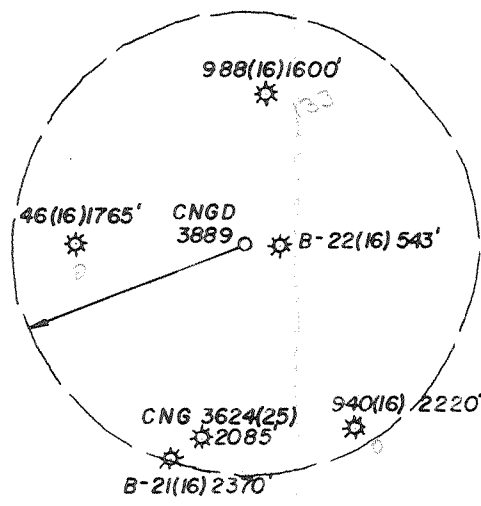
WELL REFERENCES:
S 34°W, 139.50' TO 10' HICKORY
S 70°30'E, 140' TO 8' POPLAR



LONGITUDE 80° 45' 00" 89 35'



W Union SE
4.56 S
0.33 W



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

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION ROAD INT. 2300' N. OF LOC. AT ELEV. 893'

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) Stephen D. Losh
R.P.E. _____ L.L.S. NO. 674
STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE SEPT. 22, 19 89
OPERATOR'S WELL NO. CNGD 3889
API WELL NO. _____

47 - 017 - 3760
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 848' WATER SHED BLUESTONE CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE
QUADRANGLE WEST UNION R 15 SE
SURFACE OWNER CHARLES WELLINGS ACREAGE 652.84
OIL & GAS ROYALTY OWNER LEWIS MAXWELL HRS. LEASE ACREAGE 1562
LEASE NO. _____

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 ALEXANDER ESTIMATED DEPTH 5072'
WELL OPERATOR CNG DEVELOPMENT CO. DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 0142 BRIDGEPORT, WV 26330

6-6 Smithton - Flint - Sedalia (099)

DEC 01 1989

COUNTY NAME PERMIT

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JAN 22 1990

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

Well Operator's Report of Well Work

DIVISION OF OIL & GAS
Farm Name: WELLINGS, CHARLES
DEPARTMENT OF ENERGY

Operator Well No.: CNGD 3889

LOCATION: Elevation: 848.00 Quadrangle: WEST UNION

District: WESTUNION County: DODDRIDGE
Latitude: 8935 Feet South of 80 Deg. 45Min. 0 Sec.
Longitude 1785 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 11/29/89
Well work Commenced: 12/8/89
Well work Completed: 12/15/89
Verbal Plugging
Permission granted on: _____
Rotary Cable Rig
Total Depth (feet) 5110'
Fresh water depths (ft) 50', 165', 356'

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.
11 3/4"	200	200	To Surf.
8 5/8"	1242	1242	To Surf.
4 1/2"	5077	5077	250 sks
1 1/2"	4821	4821	----

OPEN FLOW DATA

Producing formation Alexander Pay zone depth (ft) 4888-4846
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
12/28/89 Final open flow 978 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 950 psig (surface pressure) after 24 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 DEL. CORP.

By: Rod Biggs
Date: January 3, 1990

JAN 26 1990

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Perforated Alexander 4874 - 4888, 7 holes; 4866 - 4870, 4 holes; 4846 - 4860, 11 holes; .39HS

Foam Frac Alexander (70Q) Break 1850, Avg TPSI 2718, Avg Rate 20 BPM, HHP used 999, ISIP 2150
Max Sand Conc. 6#/gal, Used 500 gals 15% HCL, 5000# 80/100 Sand, 120,000# 20/40 Sand,
793,000 SCFN₂

Clay, Sd & Sh	0	1480	1/2" stream water @ 50'
L. Lime	1480	1509	2" stream water @ 165'
Sd & Sh	1509	1518	1/2" stream water @ 356'
B. Lime & Injun	1518	1680	
Sd & Sh	1680	5110	

LOG TOPS

Big Lime	1520	1612
Big Injun	1612	1680
Weir	1830	1924
Berea	2031	2046
Gordon Group	2226	2280
Warren	2884	2944
U. Speechley	2962	3096
Bradford	4072	4160
Benson	4558	4595
Alexander	4806	4904

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JAN 22 1990

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

RECEIVED
NOV 08 1989

Date: October 30, 1989
Operator's well number
CNGD 3889
API Well No: 47 - 017 - 3760
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Charles Wellings
Address New Milton Star Route, Box 2
West Union, WV 26456
 - (b) Name Daniel J. Wellings
Address New Milton Star Route, Box 4
West Union, WV 26456
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name Robert L. Holland, Jr. Agent
Address 105 High St., P. O. Box 425
West Union, WV 26456
- Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Mike Underwood
Address Route 2, Box 135
Salem, WV 26426
Telephone (304)- 782-1043

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)
X 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

Subscribed and sworn before me this 30 day of October, 1989

My commission expires _____
Notary Public

