

WELL REFERENCES:
 N24°30'E, 176' TO 8" PINE
 N68°45'E, 208' TO 10" R. MAPLE

LATITUDE 39° 20' 00"

LOFTY

NICHOLS

MATHENY

BAKER

F. BACHELOR
 168 AC.

NICHOLS

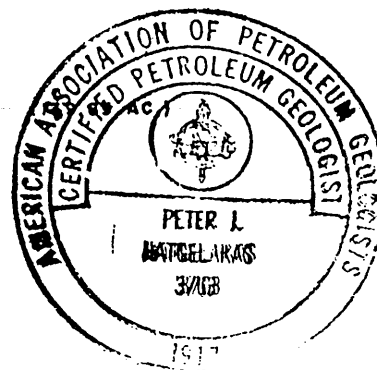
SMITH

CARNES

797 (17)
 1380' ±

3944
 2400'

7740(25)
 2033'



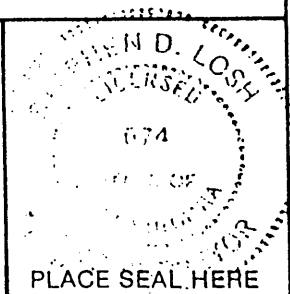
LAND SURVEYING SERVICES
 21 CEDAR LANE
 BRIDGEPORT, WV 26330
 PHONE: 304-842-2018

(+) 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 TOP OF KNOB 3500' SW OF LOCATION ELEV. 1109'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JANUARY 12, 1990
 OPERATOR'S WELL NO. 3944
 API WELL NO.

47 - 085 - 7924-F
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1072' WATERSHED BONDS CREEK
 DISTRICT CLAY COUNTY RITCHIE
 QUADRANGLE ELLENBORO 7.5 min.
 SURFACE OWNER FRANKIE BACHELOR, ET AL. (W.M. LANHAM, HEIRS) ACREAGE 168.01
 OIL & GAS ROYALTY OWNER F. BACHELOR LEASE ACREAGE 168
 LEASE NO. DV-16835

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 BENSON ESTIMATED DEPTH 5125'
 WELL OPERATOR CNG COMPANY DESIGNATED AGENT RODNEY BIGGS
 ADDRESS _____ ADDRESS RT. 2, BOX 698
 BRIDGEPORT, WV 26330

MAY 5 2000

LONGITUDE 80° 00' 18"

COUNTY NAME RITCHIE

PERMIT 7924-F

NORTH

FORM WW-6

COMPANY/WELL NO.: WEVVV03944

11/08/2000 PERFERD AND FRACED AS FOLLOWS:

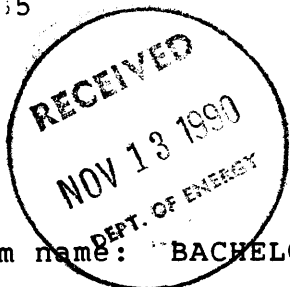
01/26/2001

5TH SAND, 2720 - 2724', 16 HOLES, B.D. 1784#, AVG RATE 18 BPM, AVG PRESS 2551#, 316 BBLS,

TOT SAND 25,000#, ISIP 1723#

KEENER, 1956 - 1966', 20 HOLES, B.D. 2700#, AVG RATE 17 BPM, AVG PRESS 2755#, 167 BBLS,

TOT SAND 10,000#, ISIP 1859#



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

Well Operator's Report of Well Work

Farm name: BACHELOR, FRANKIE ETAL. Operator Well No.: CNGD 3944

LOCATION: Elevation: 1072.00 Quadrangle: ELLENBORO

District: CLAY County: RITCHIE
Latitude: 5290 Feet South of 39 Deg. 20Min. 0 Sec.
Longitude 7110 Feet West of 81 Deg. 0 Min. 0 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: SAMUEL HERSMAN
Permit Issued: 02/23/90
Well work Commenced: 09/18/90
Well work Completed: 09/27/90
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 5172' KB
Fresh water depths (ft) _____

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.
8 5/8"	44	44	
5 1/2"	1659	1659	To Surf.
3 1/2"	5155	5155	To Surf.
1 1/2"	4874	4874	----

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4884-94
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
10/8/90 Final open flow 358 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 300 psig (surface pressure) after 1 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.

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

By: Rodney J. Biggs
Date: October 8, 1990

NOV 10 1990

Perforated Benson 4884-94, 30 holes, .30 HSC

75Q Foam Frac - Break 1920#, Ave HHP 2 pumps, Ave Rate 20, Ave Pres 4800, Max Tr Pres. 5000, 70,000# sand, Max. conc. 6#/gal, Total Fluid 272 bbl, SL Fluid 150 bbl, ISIP 1050/1350, 5 min 1100, Total Nit. 567,600 SCF.

Sd, Sh & RR 0 5172

CNGD 3944 Log Tops

L. Lime	1843--1884
B. Lime/B. Inj.	1890--2124
Weir	2410--2444
Berea	2500--2534
4th	2897--2918
Warren	3500--3570
Speechley	3850--3928
Bradford	4452--4634
Riley	4692--4800
Benson	4880--4900

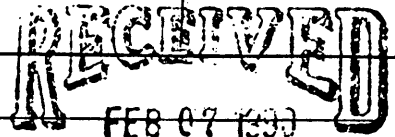
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: ¹⁴² CNG DEVELOPMENT COMPANY 10110 (1) 337
- 2) Operator's Well Number: CNGD 3944 3) Elevation: 1072
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): Benson 435
- 6) Proposed Total Depth: 5125 feet
- 7) Approximate fresh water strata depths: 70
- 8) Approximate salt water depths: 1405
- 9) Approximate coal seam depths: -
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 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	
Conductor						
Fresh Water	11 3/4	H-40	42	120	120	To surface
Coal						To surface
Intermediate	8 5/8	X-42	23	1625	1625	38CSR1811.2.2 & 38CSR181.3
Production	4 1/2	J-55	10.5	5125	5125	200-400 sks 38CSR18-11.1
Tubing	1 1/2	CN-55	2.75			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____



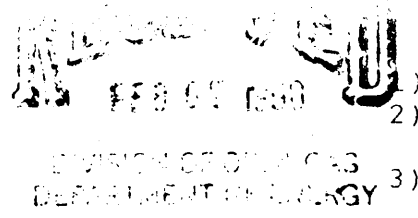
For Division of Oil and Gas Use Only

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
 (Type)

10174

039316
2



Date: January 31, 1990
Operator's well number
CNGD 3944
API Well No: 47 - 085 - 7924
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 Frankie Bachelor etal
Address 309 Grey Street
Pennsboro, WV 26415
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Samuel Hersman
Address Rt. 1, Box 240
Harrisville, WV 26362
Telephone (304)- 628-3185

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name n/a
Address _____
Name _____
Address _____
(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
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 31 day of January, 1990

My commission expires _____

Notarial Seal
Barbara A. Schaub, Notary Public
Findlay Twp., Allegheny County
My Commission Expires June 14, 1993

Notary Public