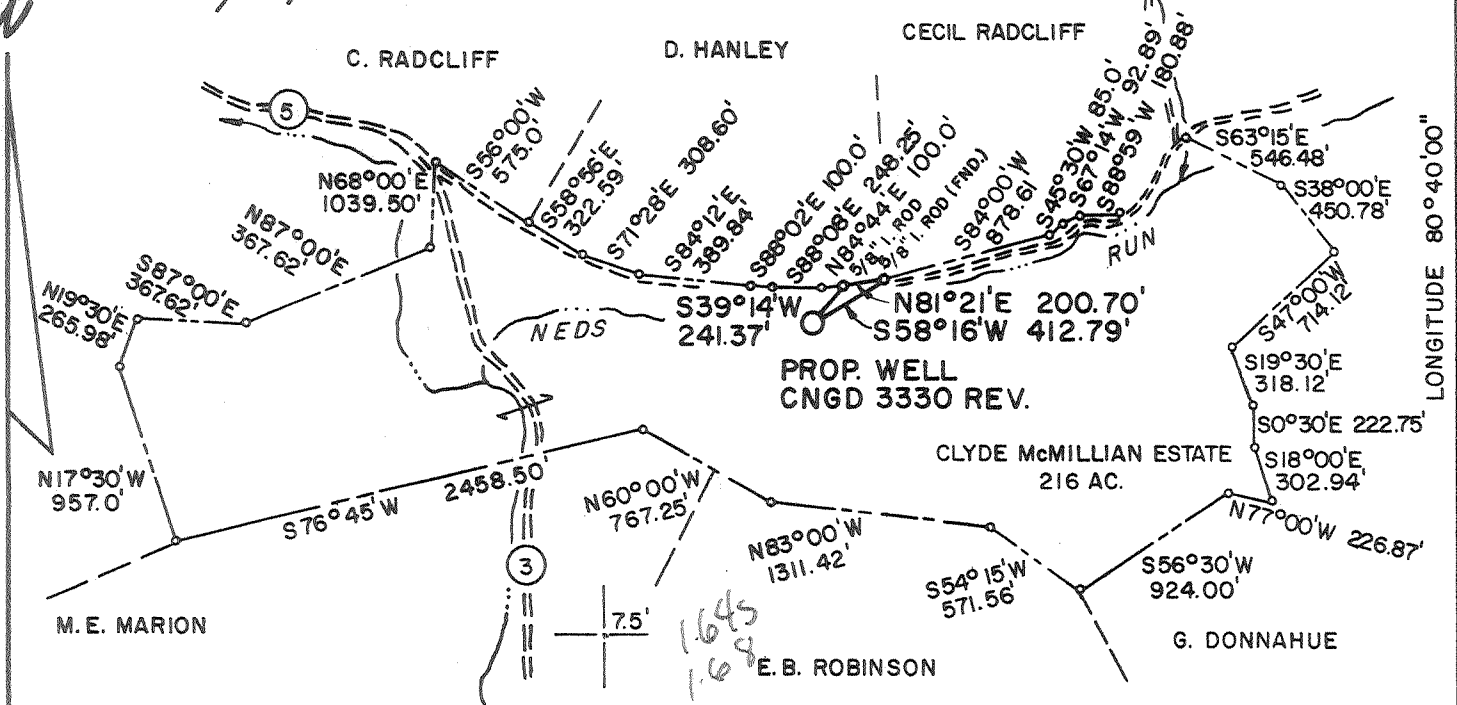


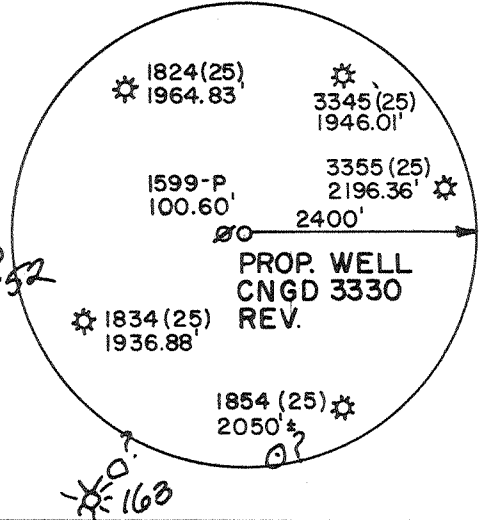
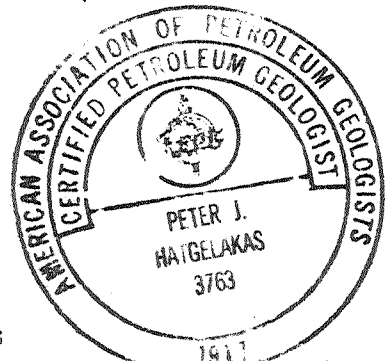
(+/-) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

LATITUDE 39°22'30"

Janie 10/4/88
" 9/13/93



LONGITUDE 80°40'00"

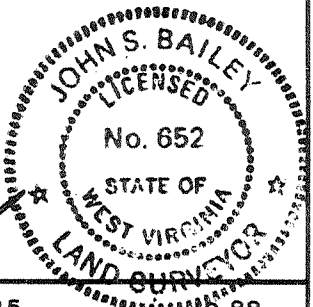


MAGNETIC REFERENCE TIES
 PROPOSED WELL TO 47-017-1599-P N83°30'W 100.60'
 PROPOSED WELL TO A UTILITY POLE N71°30'W 141.30'

4.52
1.68

MSES consultants, inc.
 FILE NO. MSES 88-828
 DRAWN BY JLB/HDW
 SCALE 1" = 1000'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION:
JCT. CO. RTS. 3 & 5 ELEV. 785'
3400' NW OF LOCATION

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 MINES.
 (SIGNED) John S. Bailey
 R.P.E. _____ L.L.S. 652



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUGUST 25, 1988
 OPERATOR'S WELL NO. CNGP 3330 REV.
 API WELL NO. 47-017-3673-W
 STATE _____ COUNTY _____ PERMIT _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 813.73' WATERSHED NEDS RUN OF MIDDLE ISLAND FORK
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG, W.V. 7.5' NEAREST TOWN FLINT
 SURFACE OWNER CLYDE McMILLIAN ESTATE ACREAGE 216
 OIL & GAS ROYALTY OWNER EDISON RITTER et. al. LEASE ACREAGE 198
 LEASE NO. DV - 17086

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) London, Big Injin, Blue Muddy
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5350'
 WELL OPERATOR CNG DESIGNATED AGENT RODNEY J. BIGGS
 ADDRESS Some ADDRESS CROSSWIND CORPORATE PARK
BRIDGEPORT, WV 26330

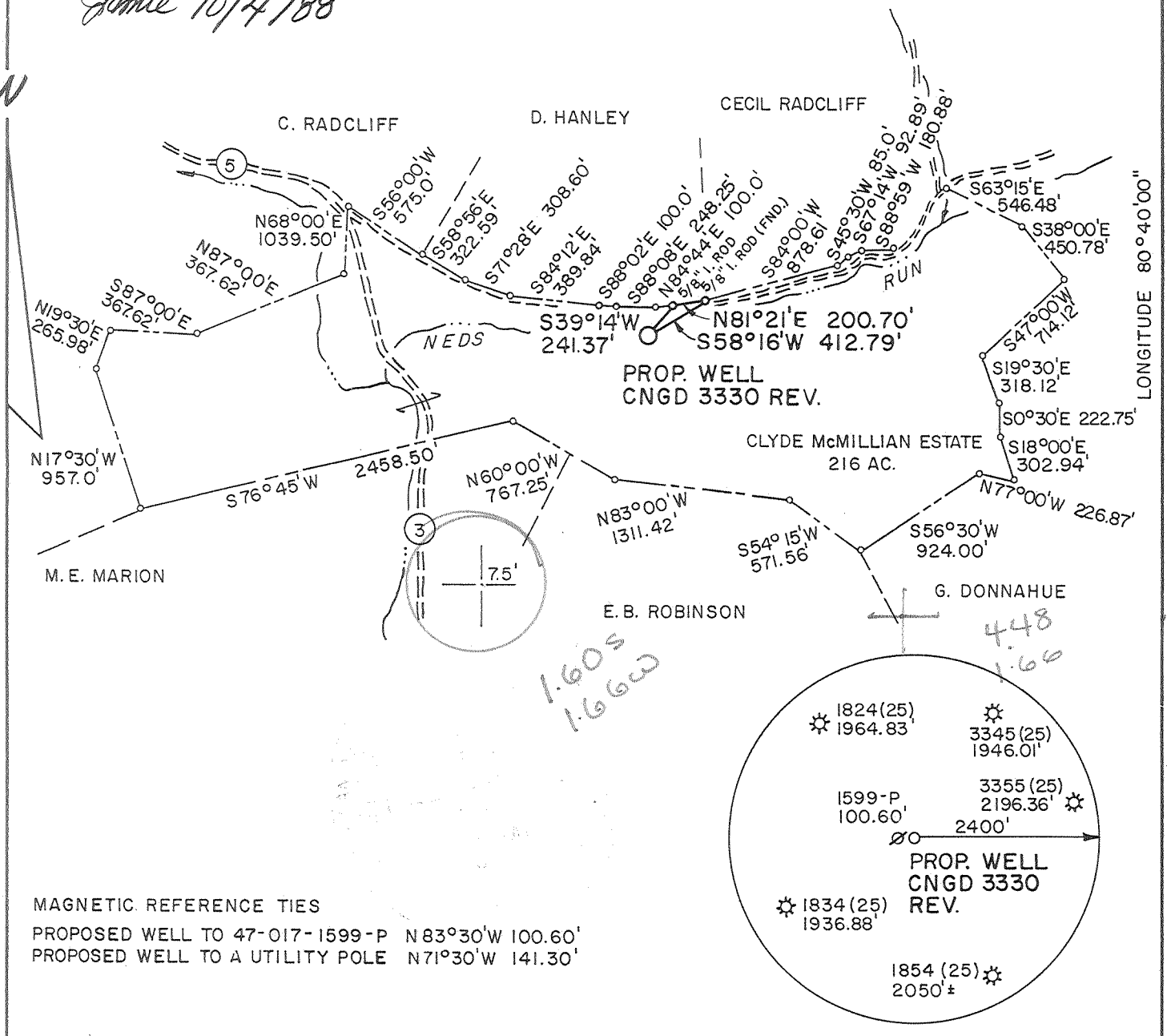
DODD COUNTY PERMIT 3673

25

(+/-) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

LATITUDE 39°22'30"

Janice 10/4/88



MAGNETIC REFERENCE TIES

PROPOSED WELL TO 47-017-1599-P N83°30'W 100.60'
PROPOSED WELL TO A UTILITY POLE N71°30'W 141.30'

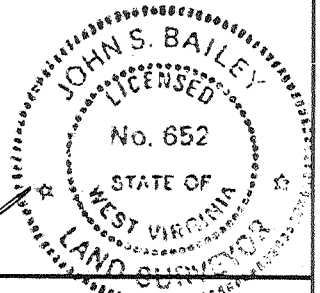
MSES consultants, inc.

FILE NO. MSES 88-828
DRAWN BY JLB/HDW.
SCALE 1" = 1000'
MIN. DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION:
JCT. CO. RTS. 3 & 5 ELEV. 785'
3400' NW OF LOCATION

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 MINES.

(SIGNED)

R.P.E. _____ L.L.S. 652



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION



DATE AUGUST 25, 1988
OPERATOR'S WELL NO. CNGD 3330 REV.
API WELL NO. 47 - 017 - 3673
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 813.73' WATERSHED NEDS RUN OF MIDDLE ISLAND FORK
DISTRICT GRANT 3 COUNTY DODDRIDGE
QUADRANGLE SMITHBURG, W.V. 7.5' 611 022 NEAREST TOWN FLINT
SURFACE OWNER CLYDE McMILLIAN ESTATE ACREAGE 216
OIL & GAS ROYALTY OWNER EDISON RITTER et. al. LEASE ACREAGE 198
LEASE NO. DV - 17086

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 ALEXANDER ESTIMATED DEPTH 5350
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY J. BIGGS
ADDRESS ONE PARK RIDGE CENTER ADDRESS CROSSWIND CORPORATE PARK
P.O. BOX 15746 ROUTE 2 BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

OCT 24 1988

FORM IV-6

COUNTY PERMIT

6-6 Smithton-Flint-Sedalia (099)

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: McMILLIAN, CLYDE ESTATE Operator Well No.: CNGP 3330

LOCATION: Elevation: 813.73 Quadrangle: SMITHBURG

District: GRANT County: DODDRIDGE
Latitude: 8525 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 8825 Feet West of 80 Deg. 40 Min. Sec.

Company: CNG PRODUCING COMPANY
ROUTE 2, BOX 698
BRIDGEPORT, WV 26330-0698

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 09/17/93
Well work Commenced: 09/29/93
Well work Completed: 01/25/94
Verbal Plugging
Permission granted on: _____
Rotary _____ Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____
Salt water depths (ft) _____

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
No Additional Casing Ran in Well			
Did not re-run tubing			

OPEN FLOW DATA

Gordon 2482-2511
*Injun 1820-1866
Producing formation *Blue Monday Pay zone depth (ft) 1688-1716

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow * 628 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours

Static rock Pressure 100 psig (surface pressure) after 24 Hours

*Commingled with existing production

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

*Injun was fractured and squeezed. The Blue Monday was perf. but not fractured.

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 PRODUCING COMPANY
By: Rod Biggs
Date: February 9, 1994

Young Perforated Gordon 2482 -2511, 24 shots, .39" HSC
 Injun 1820 -1866, 28 shots, .38" HSC
 Blue Monday 1688 -1716, 24 shots, .39" HSC

Newsco Frac as follows:

<u>Formation Description</u>	<u>Gordon</u>	<u>Injun</u>	<u>Blue Monday</u>
Break	3080	3070	3500
Ave HHP	1720	1920	
Ave Pres.	2600	2900	2550
Max Tr Pres	2900	3100	
Ave. Rate	27	27	4
Total Acid	500	500	500
Total Sand	5,000 80/100 35,000 20/40	5,000 80/100 35,000 20/40	
Max. Conc.	5000 3#/g	5000 3#/g	
Total Fluid	519	517	45
S.L. Fluid	422	426	
ISIP	2250	2050	1800
5-min	1850	1700	1650

L6841

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WV Division of Environmental Protection

FORM WW-2B

AUG 31 1993

017-3673 Frac

Issued 9/17/93

Page of

Expires 9/17/95

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

- 1) Well Operator: CNG Producing Company 10110 (3) 611
Operator's Well Number: CNGP 3330 3) Elevation: 813.73'
Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage / Deep / Shallow /
Proposed Target Formation(s): Gordon, Big Injun, Blue Mondy
Proposed Total Depth: 2482, 1820, 1688 feet
Approximate fresh water strata depths:
Approximate salt water depths:
Approximate coal seam depths:
Does land contain coal seams tributary to active mine? Yes / No
Proposed Well Work: Pull Tubing. Squeeze cement to cover intervals. Perf and Frac zones. Clean Well up and Commingle production.

CASING AND TUBING PROGRAM

Table with 7 columns: TYPE, SPECIFICATIONS (Size, Grade, Weight per ft.), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT (Fill-up). Rows include Conductor, Coal, Intermediate, Production, Tubing, and Liners.

PACKERS : Kind Sizes Depths set

For Division of Oil and Gas Use Only

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

17897

RECEIVED
WV Division of
Environmental Protection

AUG 31 93

Permitting
Office of Oil & Gas

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

- 1) Date: _____
- 2) Operator's well number
CNGP 3330
- 3) API Well No: 47 - 017 - 3673-REWORK
State - County - Permit

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
 (a) Name Clyde McMillian Estate
 Address c/o Wanda Roberts
100 High Street
 (b) Name West Union, WV 26456
 Address _____
 (c) Name _____
 Address _____

5) (a) Coal Operator:
 Name _____
 Address _____
 (b) Coal Owner(s) with Declaration
 Name Same as Surface Owner
 Address _____
 Name _____
 Address _____

6) Inspector Mr. Mike Underwood
 Address Rt. 2, Box 135
Salem, WV 26426
 Telephone (304)- 782-1043

(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
 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.

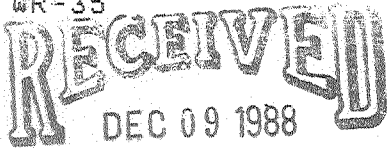
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, 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 Producing Company
 By: Rodney J. Biggs
 Its: Designated Agent - District Manager, Production
 Address Crosswind Corp. Park, Rt. 2, Box 698
Bridgeport, WV 26330
 Telephone (304) 623-8840

Subscribed and sworn before me this 13th day of August, 1993

Nancy D. Colton
 My commission expires September 29, 1993 Nancy D. Colton Notary Public



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

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

Farm name: McMILLIAN, CLYDE ESTATE Operator Well No.: CNGD 3330

LOCATION: Elevation: 813.73 Quadrangle: SMITHBURG
Watershed: Neds Run of Middle Island Fork
District: GRANT County: DODDRIDGE
Latitude: 8525 Feet South of 39 Des. 22Min. 30 Sec.
Longitude: 8825 Feet West of 80 Des. 40 Min. 0 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
Permit Issued: 10/17/88
Well work Commenced: 10/20/88
Well work Completed: 10/25/88

Verbal Plussings
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 5386
Fresh water depths (ft) 50, 90, 365
440, 650

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 103 - 107, 355 - 359

Size	Casings & Tubings	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"		20	20	
11 3/4"		221	221	To Surf.
8 5/8"		1274	1274	To Surf.
4 1/2"		5020	5020	275 sks
1 1/2"		4810	4810	

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 4830-36
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 198 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 1300 psig (surface pressure) after 8 days ~~XXXX~~

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: Rod Biggs
Date: November 21, 1988

DEC 09 1988
 240 & 4070
 17489 TO 18071-1-1-80

Perforated Benson 4830 - 36, 18 holes, .39" HSC

Newsco 75Q Foam Frac - Breakdown 1600, Ave HHP 2 pumps, Ave Rate 20, Ave Pres. 3200, Max Tr Pres. 3350, 500 gal acid, 70,000# Sand, Max. Conc. 5#/gal, Cl. Fluid 389 bbl, Cl. SL Fl. 141 bbl, ISIP 1650/2250, 5 min 2100, Nit. 584,161 SCF.

Clay	0	8	1/2" stream @ 50'
Sand & Shale	8	103	2 1/2" stream @ 90'
Coal	103	107	Damp @ 365'
Sand, Shale & RR	107	355	1/4" stream @ 440'
Coal	355	359	1/2" stream @ 650'
Sand, Shale & RR	359	1658	
L. Lime	1658	1673	
Shale	1673	1686	Coal @ 103 - 107
Big Lime & Injun	1686	1860	355 - 359
Sand & Shale	1860	<u>5386</u>	

LOG TOPS ✓

Big Lime	1726	1820
Big Injun	1820	1866
Weir	2058	2124
Berea	2262	2280
Gordon Gp.	2452	2512
Warren	3150	3180
Balltown	4340	4358
Benson	4826	4887
✓ Alexander	5080	5176

RECEIVED
 DEC 09 1988

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

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

- 1) Well Operator: CNG Development Company 10110, 3, 610
- 2) Operator's Well Number: CNGD 3330 3) Elevation: 813.7
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /
- 5) Proposed Target Formation(s): Alexander A 29
- 6) Proposed Total Depth: 5350 feet
- 7) Approximate fresh water strata depths: 289,848 @ 325'
- 8) Approximate salt water depths: - 1500' - 1600'
- 9) Approximate coal seam depths: 849
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Drill new well CNGD 3330
- 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	200	200	To surface
Coal						
Intermediate	8-5/8	X-42	23	1125	1125	38CSR1811.2.2 To surface
Production	4-1/2	J-55	10.5	1125	1125	38CSR18-11,1 200-400 sks
Tubing	1-1/2	CN-55	2.75			
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

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SEP 30 1988

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

025047
33

38CSR181.3

RECEIVED
SEP 30 1988

1) Date: September 22, 1988
2) Operator's well number
CNGD 3330
3) API Well No: 47 - 017 - 3673
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

- | | |
|--|---|
| <p>4) Surface Owner(s) to be served:
 (a) Name <u>Clyde McMillian Estate</u>
 Address <u>c/o Wanda Roberts</u>
 <u>100 High Street, West Union, WV</u>
 (b) Name _____
 Address _____
 (c) Name _____
 Address _____</p> | <p>5) (a) Coal Operator:
 Name _____
 Address _____
 (b) Coal Owner(s) with Declaration
 Name <u>same as surface</u>
 Address _____
 Name _____
 Address _____
 (c) Coal Lessee with Declaration
 Name _____
 Address _____</p> |
| <p>6) Inspector <u>Mike Underwood</u>
 Address <u>Route 2, Box 135</u>
 <u>Salem, WV 26426</u>
 Telephone (304)- <u>782-1043</u></p> | |

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 Co.
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 22nd day of September, 1988

My commission expires _____

[Signature]
June 18, 1990

SHARON L. BROWN, Notary Public
FINDLAY TWP., ALLEGHENY COUNTY
MY COMMISSION EXPIRES JUNE 18, 1990
Member, Pennsylvania Association of Notaries