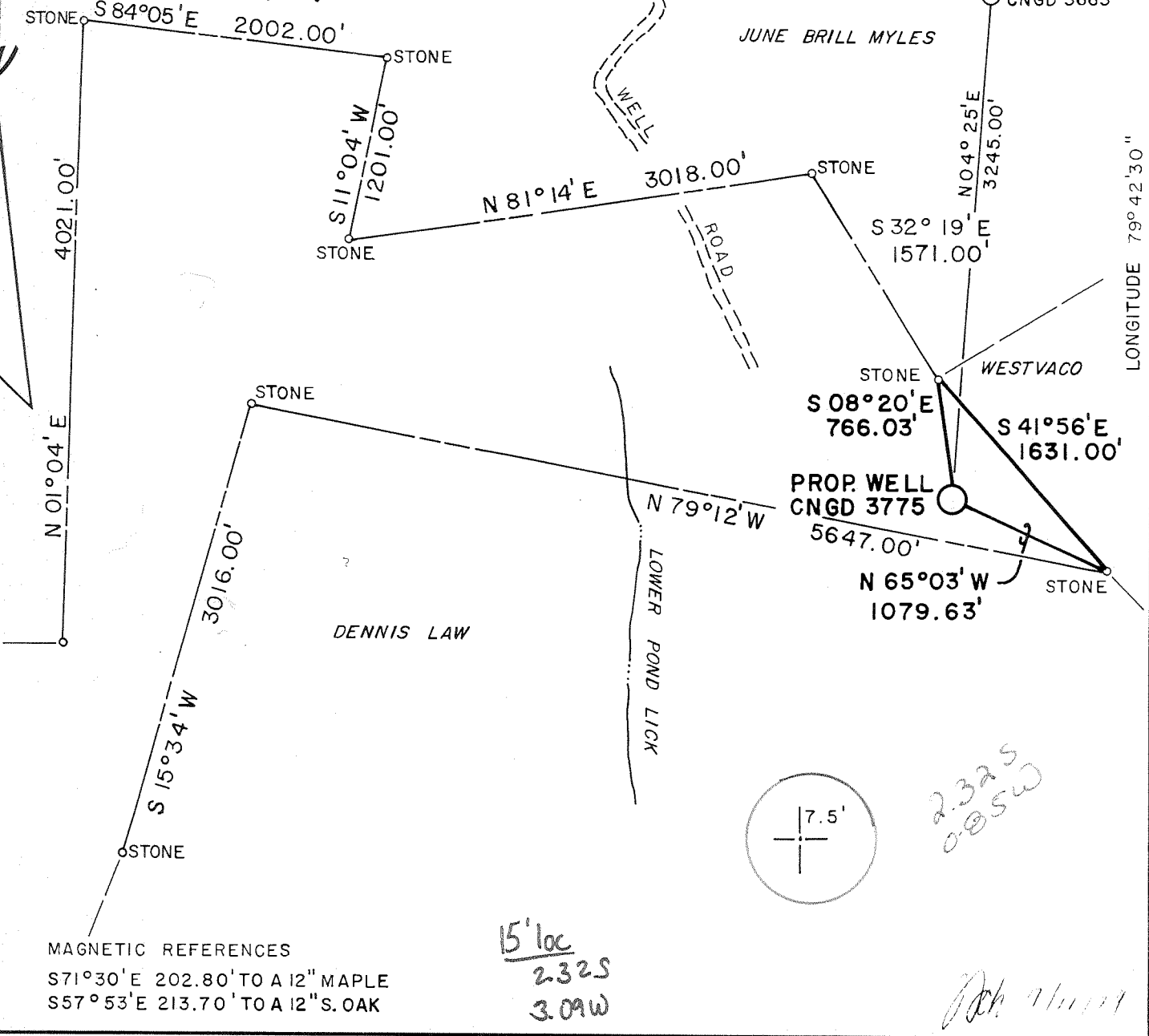


4500'

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

LATITUDE 38°55'00"

Janice 7/26/89



LONGITUDE 79°42'30"

12,250'

MAGNETIC REFERENCES

S71°30'E 202.80' TO A 12" MAPLE
S57°53'E 213.70' TO A 12" S. OAK

MSES consultants, inc.

FILE NO. MSES 89-911
DRAWN BY RRC/VSH
SCALE 1" = 1000'
MIN. DEGREE OF ACCURACY 1 IN 2500
PROVEN SOURCE OF ELEVATION:
B.M. 4000' SOUTH OF PROP.
LOCATION ELEV. 2347'

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 22, 1989

OPERATOR'S WELL NO. CNGD 3775

API WELL NO.

47 - 083 - 1093-Frac.
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 3423.00' WATERSHED RICH BOTTOM RUN OF SHAVERS FORK

DISTRICT BEVERLY COUNTY RANDOLPH

QUADRANGLE BOWDEN, WV Horton WC NEAREST TOWN BOWDEN

SURFACE OWNER RUTHBELL LUMBER COMPANY ACREAGE 645.40

OIL & GAS ROYALTY OWNER C. J. KELLY LEASE ACREAGE 931.00

LEASE NO. DV - 22579

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 ORISKANY ESTIMATED DEPTH 8160'

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

COUNTY **RAND**
PERMIT **1093**

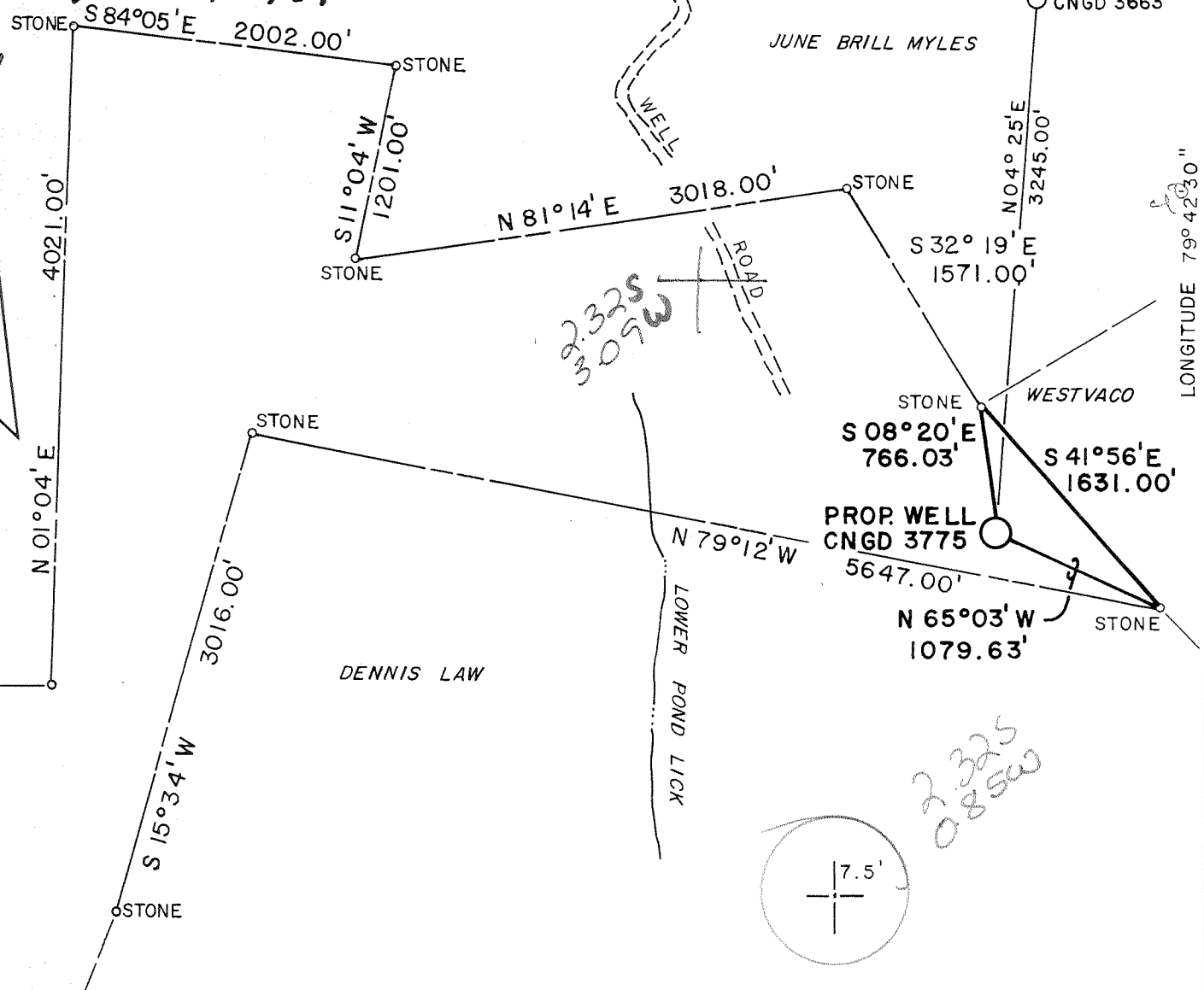
DEEP WELL owwd c-6 Bowden (376)

4500'

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

LATITUDE 38°55'00"

Game 7/26/89



LONGITUDE 79°42'30"

12,250'

MAGNETIC REFERENCES
 S71°30'E 202.80' TO A 12" MAPLE
 S57°53'E 213.70' TO A 12" S.OAK

MSES consultants, inc.
 FILE NO. MSES 89-911
 DRAWN BY RRG/VSH
 SCALE 1" = 1000'
 MIN. DEGREE OF ACCURACY 1 IN 2500
 PROVEN SOURCE OF ELEVATION:
B.M. 4000' SOUTH OF PROP.
LOCATION ELEV. 2347'

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) J. L. S. Biggs
 R.P.E. _____ L.L.S. 652



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 22, 1989
 OPERATOR'S WELL NO. CNGD 3775
 API WELL NO. 47 - 083 - 1093
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 3423.00' WATERSHED RICH BOTTOM RUN OF SHAVERS FORK
 DISTRICT BEVERLY 1 COUNTY RANDOLPH
 QUADRANGLE BOWDEN, WV 760 060 4 NEAREST TOWN BOWDEN
 SURFACE OWNER RUTHBELL LUMBER COMPANY ACREAGE 645.40
 OIL & GAS ROYALTY OWNER C. J. KELLY LEASE ACREAGE 931.00
 LEASE NO. DV - 22579

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 ORISKANY ESTIMATED DEPTH 8160'
 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

COUNTY PERMIT

FORM IV-6

Deep well 6-6 Bowden (376)

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

Well Operator's Report of Well Work

Farm name: RUTHBELL LUMBER COMPANY Operator Well No.: CNGD 3775

LOCATION: Elevation: 3423.00 Quadrangle: BOWDEN

District: BEVERLY County: RANDOLPH
Latitude: 12250 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 4500 Feet West of 79 Deg. 42 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: PHILLIP TRACY
Permit Issued: 03/26/90
Well work Commenced: 04/30/90
Well work Completed: 05/04/90
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): _____

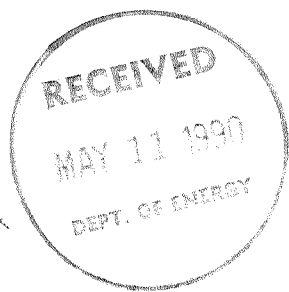
Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
2 3/8	Pulled 300'	7859	----

OPEN FLOW DATA

Producing formation Chert Pay zone depth (ft) 7924-7989
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
5/4/90 Final open flow 1.9 M MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1250 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: John F. Nichols, VP Production
CNG DEVELOPMENT CO. A DEL. CORP.

By: John F. Nichols
Date: May 9, 1990

MAY 22 1990

Acid Treatment - 1300 gal 28% Acid, 700 bbl treated water, Broke Fm. @ 2940#,
Ave Pres. 3000#, Ave Rate 21 BPM.

LOG TOPS

Tully	7639	7774
Purcell	7808	7868
L. Marcellus	7868	7900
Onondaga	7900	7919
Huntersville Chert	7919	8030
Needmore	8030	8090
Oriskany	8090	8198
2nd Oriskany	8198	8276
Helderberg	8276	

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

RECEIVED
MAR 01 1990
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Well Operator's Report of Well Work

Farm name: RUTHBELL LUMBER COMPANY Operator Well No.: CNGD 3775

LOCATION: Elevation: 3423.00 Quadrangle: BOWDEN

District: BEVERLY County: RANDOLPH
Latitude: 12250 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 4500 Feet West of 79 Deg. 42 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: PHILLIP TRACY
Permit Issued: 07/26/89
Well work Commenced: 09/14/89
Well work Completed: 10/03/89
Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) 8432
Fresh water depths (ft) 40'

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 48 - 56;

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13 3/8	40	40	To Surf.
9 5/8	2241	2241	To Surf.
5 1/2	8389	8389	225 sks
2 3/8	8159	8159	-----

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 8207-8246
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 1.1M MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 2600 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.

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

By: Rodney J. Biggs
Date: January 30, 1990

MAR 12 1990

Perforated 8207 - 8224, 33 holes; 8234 - 8246, 36 holes;
 Broke formation at 5000#, Pump 3500 gal. 18% HCL,
 Pump 1084 bbl X-link gel, with 1550 sks sand, 28 Ton CO₂, Ave Rate 20 BPM, Ave Prs. 3698,
 Ave HHP 1812.

Sd & Sh	0	48
Coal	48	56
Sd, Sh & RR	56	7635
Tully	7635	7640
U. Marcellus	7746	7900
Onondaga	7900	7920
Chert	7920	8044
Needmore	8044	8090
Oriskany	8090	8275
Helderberg	8275	8432

1/4" stream water @ 40'

LOG TOPS

Tully	7639	7774
Purcell	7808	7868
L. Marcellus	7868	7900
Onondaga	7900	7919
Huntersville Chert	7919	8030
Needmore	8030	8090
Oriskany	8090	8198
2nd Oriskany	8198	8276
Helderberg	8276	

DEPARTMENT OF ENERGY
 DIVISION OF OIL & GAS
 MAR 21 1981
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MAR 09 1992

083-1093- Frac.

Issued 3/26/90

Page ___ of ___

Expires 3/26/92

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

- 1) Well Operator: 142 CNG Development Company 10110 (1) 260
- 2) Operator's Well Number: CNGD 3775 Fracture 3) Elevation: 3423
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep X/ Shallow
- 5) Proposed Target Formation(s): Chert 463
- 6) Proposed Total Depth: n/a feet
- 7) Approximate fresh water strata depths: n/a
- 8) Approximate salt water depths: n/a
- 9) Approximate coal seam depths: n/a
- 10) Does land contain coal seams tributary to active mine? Yes / No X/
- 11) Proposed Well Work: Stimulate uphole formation *Existing well*
- 12) *See New Formation*

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight per ft.	For drilling		Left in well
Conductor	<u>13 3/4</u>			<u>40'</u>	<u>40'</u>	<u>To Surface</u>
Fresh Water			SEE EXISTING WELL RECORD			
Coal	<u>9 5/8</u>			<u>2241'</u>	<u>2241'</u>	<u>To Surface</u>
Intermediate						
Production	<u>5 1/2</u>			<u>8389'</u>	<u>8389'</u>	<u>225 SKS</u>
Tubing	<u>2 3/4</u>			<u>8159'</u>	<u>8159'</u>	
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

ck # 039331
dep # 6

For Division of Oil and Gas Use Only

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

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MAR 09 1990

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1)
2)
3)

Date: March 5, 1990
Operator's well number
CNGD 3775 Fracture
API Well No: 47 - 083 - 1093-FRAC.
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 Ruthbell Lumber Company
Address James Wilson, President
P.O. Box 1277, Elkins, WV 26241
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name Elkins & Kelly Properties
Address c/o Mark Kuntz, CPA, Agent
P.O. Box 2444, Clarksburg, WV 26301
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 5 day of March, 1990

My commission expires _____

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

Notary Public

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

- 1) Well Operator: CNG Development Company 10/10 (1) 260
- 2) Operator's Well Number: CNGD 3775 3) Elevation: 3423
- 4) Well type: (a) Oil / or Gas X /
(b) If Gas: Production X / Underground Storage /
Deep X / Shallow /
- 5) Proposed Target Formation(s): Oriskany
- 6) Proposed Total Depth: 8160 feet
- 7) Approximate fresh water strata depths: 1309
- 8) Approximate salt water depths: -
- 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	Fill-up (cu. ft.)
Conductor						
Fresh Water	13 3/8	K-55	54.5	40	40	Sand In
Coal						38CSR18-11.2.2
Intermediate	9 5/8	K-55	36	2250	2250	To surface 38CSR-18-11.3
Production	5 1/2	M-75	17	8160	8160	250-350 sks 38CSR-18-11.1
Tubing	2 3/8	J-55	4.7	8000	8000	
Liners						

9307

PACKERS : Kind _____
 Sizes _____
 Depths set _____

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JUL 24 1989

030480
17

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 Blanket Sure Agent
 (Type)

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JUL 24 1989

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

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1) Date: July 11, 1989
2) Operator's well number
CNGD 3775
3) API Well No: 47 - 083 - 1093
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 Ruthbell Lumber Company
Address James Wilson, President
P.O. Box 1277, Elkins, WV 26241
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
- Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name Elkins & Kelly Properties
Address c/o Mark Kuntz, CPA, Agent
P.O. Box 2444, Clarksburg, WV 26301
 - Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Phillip Tracy
Address Rt. 2, Box 37-A
Montrose, WV 26283
Telephone (304)- 636-8798

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:

- x 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 11 day of July, 1989

Barbara L. Randall
My commission expires _____

NOTARIAL SEAL
BARBARA L. RANDALL, NOTARY PUBLIC
FINDLAY TOWNSHIP, ALLEGHENY COUNTY
MY COMMISSION EXPIRES APRIL 5, 1993
Notary Public
Member, Pennsylvania Association of Notaries