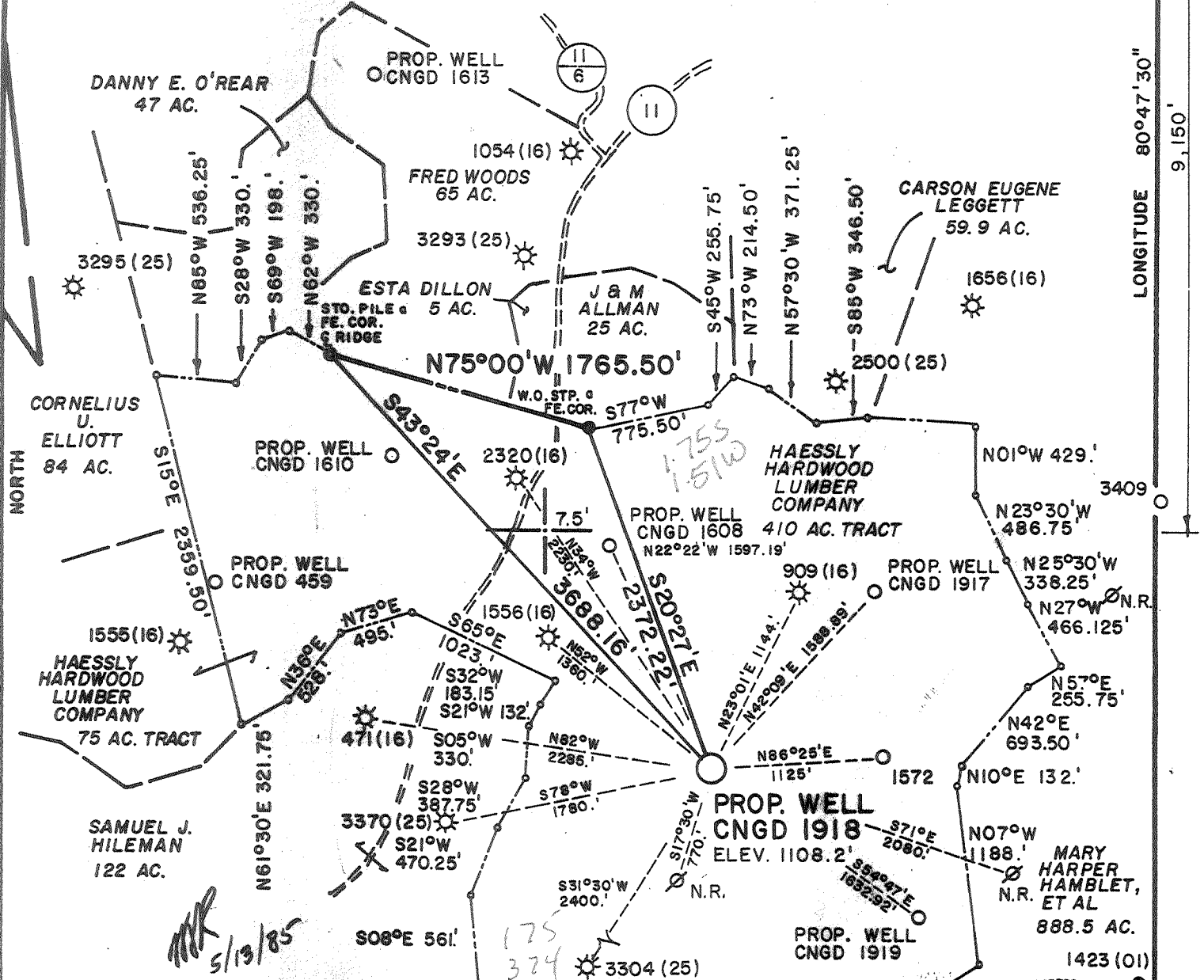


177N 6-18-85

8,000'

LATITUDE 39° 15' 00"

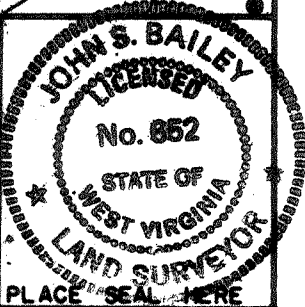
MAGNETIC REFERENCE TIES
 CNGD 1918 TO 10" SUGAR MAPLE N13°41'W 131.77'
 CNGD 1918 TO 8" HY. N28°26'W 196.78'



LONGITUDE 80° 47' 30" 9,150'

FILE NO. MSES 85-641
 DRAWN BY SARC
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM ON CO. RT. 11; ELEV. 944'; 1950.' NW OF LOCA.

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APRIL 22 19 85
 OPERATOR'S WELL NO. CNGD 1918
 API WELL NO. 47-017-3441-W
 STATE COUNTY PERMIT

Department of Mines
 Oil & Gas Division

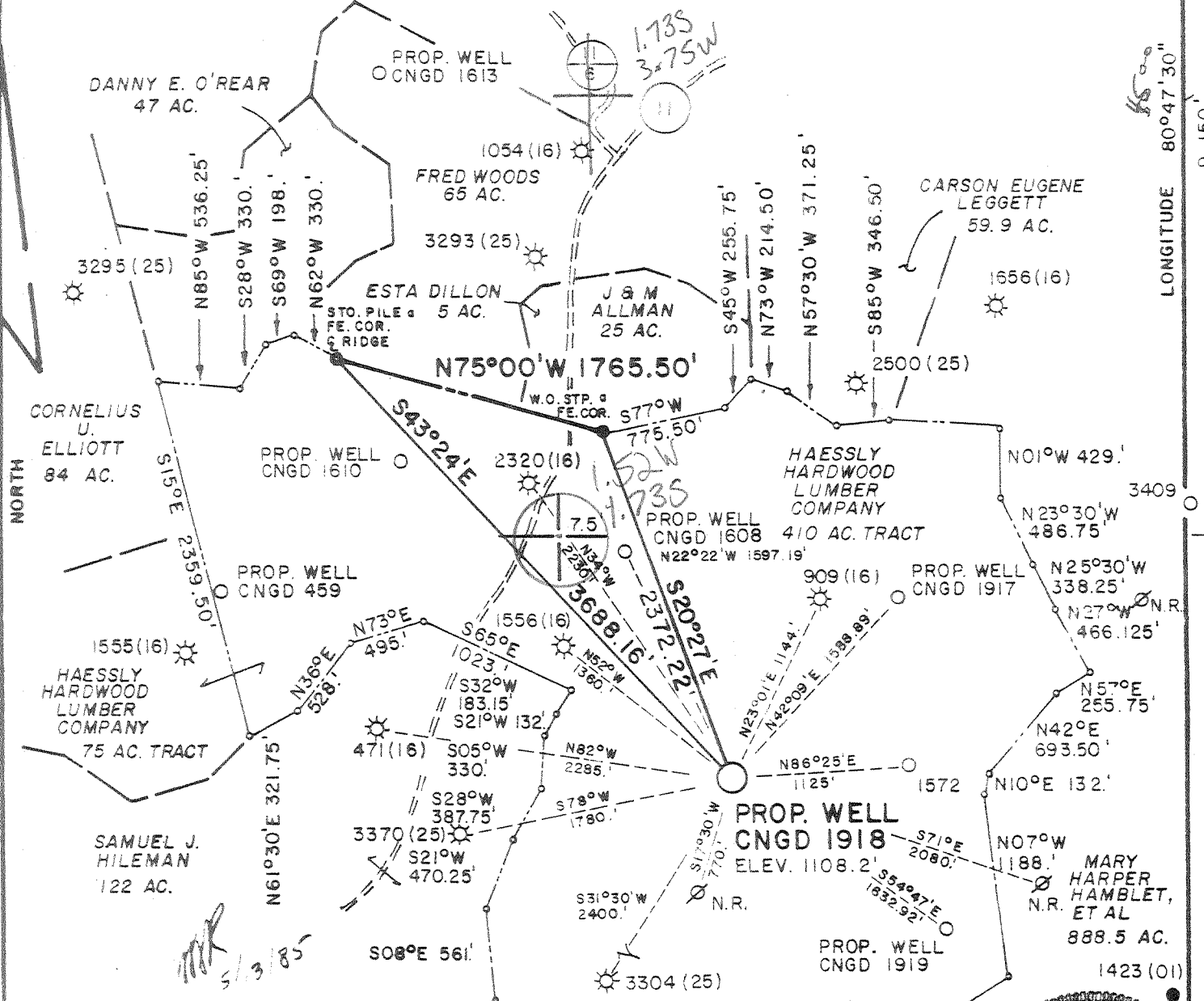
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1108.2' WATER SHED RIGHT FORK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD, WV 7.5' NE 66th
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES ACREAGE 485
 OIL & GAS ROYALTY OWNER HAESSLY HARDWOOD LUMBER SALES LEASE ACREAGE 485
 LEASE NO. 41979
 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 5375'

CNG Producing Company
 Rt. 2, Box 698
 Bridgeport, wVa. 26330-0698
 DESIGNATED AGENT Reaney J. Biggs
 ADDRESS _____ Same Address
 PH: 304-623-8840

DODD 3441

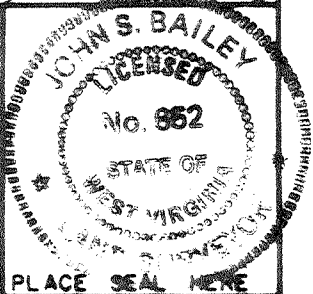
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 CNGD 1918 TO 10" SUGAR MAPLE N13°41'W 131.77'
 CNGD 1918 TO 8" HY. N28°26'W 196.78'



LONGITUDE 80°47'30"

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 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION BM ON CO. RT. 11; ELEV. 944'; 1950.' NW OF LOCA.

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE APRIL 22 19 85
 OPERATOR'S WELL NO. CNGD 1918
 API WELL NO. 47-017-3441
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1108.2' WATER SHED ___ RIGHT FORK ___
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD, WV 7.5' S26 Helbrook 058 NE 3
 SURFACE OWNER HAESSLY HARDWOOD LUMBER SALES ACREAGE 483
 OIL & GAS ROYALTY OWNER HAESSLY HARDWOOD LUMBER SALES LEASE ACREAGE 483
 LEASE NO. 41979
 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 142 ESTIMATED DEPTH 5375' JUL 01 1985
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

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

017-3441

Permitting
 Office of Oil & Gas Well Operator's Report of Well Work

Farm name: HAESSLY HARDWARE LBR. CO Operator Well No.: CNGP 1918

LOCATION: Elevation: 1,108.20 Quadrangle: OXFORD

District: WEST UNION County: DODDRIDGE
 Latitude: 9150 Feet South of 39 Deg. 15Min. 0 Sec.
 Longitude 8000 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD
 Permit Issued: 09/07/95
 Well work Commenced: 11/10/95
 Well work Completed: 11/30/95
 Verbal Plugging
 Permission granted on: _____
 Rotary Cable Rig
 Total Depth (feet) 5315'
 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 was Used.			

OPEN FLOW DATA

Big Injun
 Speechley

1926-1958
 3228-3360

Producing formation Bradford Pay zone depth (ft) 3732-4194
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
 Final open flow * 628 MCF/d Final open flow N/A Bbl/d
 Time of open flow between initial and final tests 4 Hours
 Static rock Pressure 260 psig (surface pressure) after 12 Hours

* Commingle 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

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: CNG PRODUCING COMPANY *Rodney J. Biggs*

By: Rodney J. Biggs, Production Manager, Appalachian Region
 Date: 01-15-96

MAY 2 1996 MR

CNGP 1918W

10/30/95 - Pulled 1.5" Tubing

11/10/95 - Allegheny Perforated:

Big Injun, 1926-1958, 23 holes
Speechley, 3228-3360, 26 holes
Bradford, 3732-4194, 23 holes

11/13/95 - Nowsco Fracedt

Form.	Bradford	Speechley	Big Injun
Plug	4220	3365	1980
Total Sand	28,000	30,000	25,000
Total Fluid	477	514	447
Total Acid	1000	1000	1000
Avg. Rate	24	29	29
Avg. Press.	1900	1680	1740

11/30/95 - F.O.F. = 628 MCFD

11/30/95 - T.B.I.L. As a Casing Well (Did not re-run tubing.)

IV-35
(Rev 8-81)

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JUL 11 1986



DIVISION OF OIL & GAS State of West Virginia
DEPARTMENT OF ENERGY Department of Mines
Oil and Gas Division

Date June 13, 1986
Operator's Well No. 1918
Farm J. W. Smith
API No. 47 - 017 - 3441

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep ___ / Shallow x /)

LOCATION: Elevation: 1108 Watershed Right Fork
District: West Union County Doddridge Quadrangle Oxford

COMPANY CNG Development Company
ADDRESS P. O. Box 15746
Pittsburgh, PA 15244
DESIGNATED AGENT Gary A. Nicholas
ADDRESS Rt. 2 Box 698
Bridgeport, WV 26330
SURFACE OWNER Haessly Hardwood Lumber Sales
ADDRESS Rt. 1 Newport Pike
Marietta, OH 45750
MINERAL RIGHTS OWNER Haessly Hardwood Lbr. Sales
ADDRESS Rt. 1 Newport Pike
Marietta, OH 45750
OIL AND GAS INSPECTOR FOR THIS WORK
Mike Underwood ADDRESS Rt. 2 Box 114
Salem, WV 26426

PERMIT ISSUED June 18, 1985
DRILLING COMMENCED May 12, 1986
DRILLING COMPLETED May 17, 1986

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	166	166	To Surf.
9 5/8			
8 5/8	1663	1663	To Surf.
7			
5 1/2			
4 1/2	5369	5369	750 sks
3			
2x 1 1/2	5110	5110	-----
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5375 feet
Depth of completed well 5400 feet Rotary x / Cable Tools
Water strata depth: Fresh 377 feet; Salt feet
Coal seam depths: ----- Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Alexander Pay zone depth 5130-76 feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow 822 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 300 psig (surface measurement) after 1 hours shut in
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated Alexander 5130 - 76, 58 holes, .39" dia. w/hollow steel carriers
Halliburton Foam Frac (70, 65 Qualities) Break w/water 1600 psi, Ball out Rate 20 - 0 BPM,
Ball out pressure 3800 psi, Ave. Rate 25 BPM, Avg. Tr. Pr. 2950 psi, Max. Tr. Pr. 3000 psi,
WAC - 9 - 50#, 80/100 Sand 10,000#, 20/40 Sand 58,000#, Total Fluid 1115 bbl,
SL Fluid 569 bbl, Max Sand Conc. 5#/gal.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Cond.			0	5	Damp @ 377'
Sand, Shale & RR			5	1824	
Lg. Lime			1824	1892	
Injun			1892	1970	
Sand & Shale			1970	5400	
<u>ELECTRIC LOG TOPS</u> ✓					
Big Lime			1830	1902	
Big Injun <i>365</i>			1902	1969	
Weir			2130	2246	
Berea			2329	2333	
Gordon Stray			2532	2542	
Gordon			2554	2570	
Warren			3192	3254	
Speechley			3690		
Balltown			4024		
Bradford			4292		
Riley			4658	4674	
Benson			4818	4858	
Leopold			5020	5040	
Alexander			5102	5186	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: *Larry A. Melcher*

Date: June 17, 1986

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ~~minerals~~, encountered in the drilling of a well."

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Environmental Protection

017-3441-W

FORM WW-2B 2.2 1995

Page _____ of _____

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Permitting Office of Oil & Gas
WELL WORK PERMIT APPLICATION

Well Operator: CNG Producing Company 10110 (8) 526

Operator's Well Number: CNGP 1918W 3) Elevation: _____

Well type: (a) Oil ___ / or Gas X /

Issued 09/07/95
Expires 09/07/97

(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /

Proposed Target Formation(s): 371 Big Injun

Proposed Total Depth: 1970' 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: Lay down tubing. Set Frac Plug below Big Injun interval. Perf & Frac Big Injun. Clean well up to the pit. Drill out frac plug. Re-run tubing to commingle production.

CASING AND TUBING PROGRAM

o.k. mihy

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13-10"			166	166	To Surface
Fresh Water						
Coal						
Intermediate	8 5/8"			1663	1663	To Surface
Production	4 1/2"			5369	5369	750 sks.
Tubing	1 1/2"			5110	5110	
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 _____ Agent

(Type)

21036

660
36

MR

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Environmental Protection

AUG 22 1995

- 1) Date: 8-18-95
- 2) Operator's well number
CNGP 1918W
- 3) API Well No: 47 - 017 - 3441W
State - County - Permit

Permitting
Office of Oil & ~~STATE~~ OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Haessly Hardware Lumber Co.
Address Rt. 1, Newport Pike
Marietta, OH 45750
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt. 2, Box 114
Salem, WV 26426
Telephone (304) - 782-1043

- 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
 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)

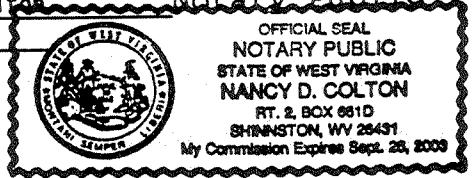
I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
 I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and 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 *[Signature]*
 Its: Designated Agent - Production Manager, Appalachian Region
 Address Rt. 2, Box 698, Crosswind Corp. Park
Bridgeport, WV 26330
 Telephone (304) 623-8840

Subscribed and sworn before me this 15 day of August, 1995 *MA*

Nancy D. Colton
 My commission expires 09-26-2003

Nancy D. Colton Notary Public



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MAY 23 1985



1) Date: May 17, 19 85
 2) Operator's Well No. 1918
 3) API Well No. 47 - 017-3441
 State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL & GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil DEPT. OF MINES x /
 B (If "Gas", Production x / Underground storage _____ / Deep _____ / Shallow x /)
- 5) LOCATION: Elevation: 1108 Watershed: Right Fork
 District: West Union County: Doddridge Quadrangle: Oxford
- 6) WELL OPERATOR CNG Development Company 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Paul W. Garrett, P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 10110 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood Name Sam Jack Drilling Co.
 Address Route 2, Box 114 Address P.O. Box 48
Salem, WV 26426 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill x / Drill deeper _____ / Redrill _____ / Stimulate x /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Alexander
 12) Estimated depth of completed well, 5375 feet
 13) Approximate strata depths: Fresh, _____ feet; salt, 1358, 1500 feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No x /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	11-5/8	H-40	42	x		160	160	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	x		1600	1600	To Surface	By Rule 15.05
Production	4-1/2	J-55	10.5	x		5375	5375	200-400	Depths set
Tubing	1-1/2	CN-55	2.75	x					By Rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3441 Date June 18 19 85

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires June 18, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>28</u>	<u>AIB</u>	<u>MH</u>	<u>MH</u>	<u>8422</u>

Margaret J. Hasse
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File