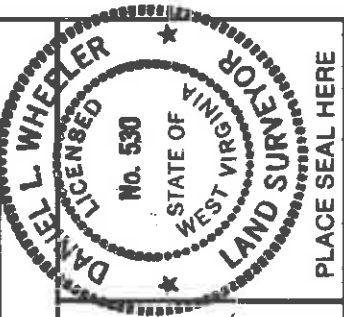


D.L. ANDERSON & ASSOCIATES, INC.
 201 S. 4th St.
 Columbus, NY 12510
 Phone: 518-523-5218



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

FILE NO. _____
 DRAWING NO. 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION CHASE PETROLEUM CO.
 WELL # 2914 ELEV. 900'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530
REGISTERED LAND SURVEYOR



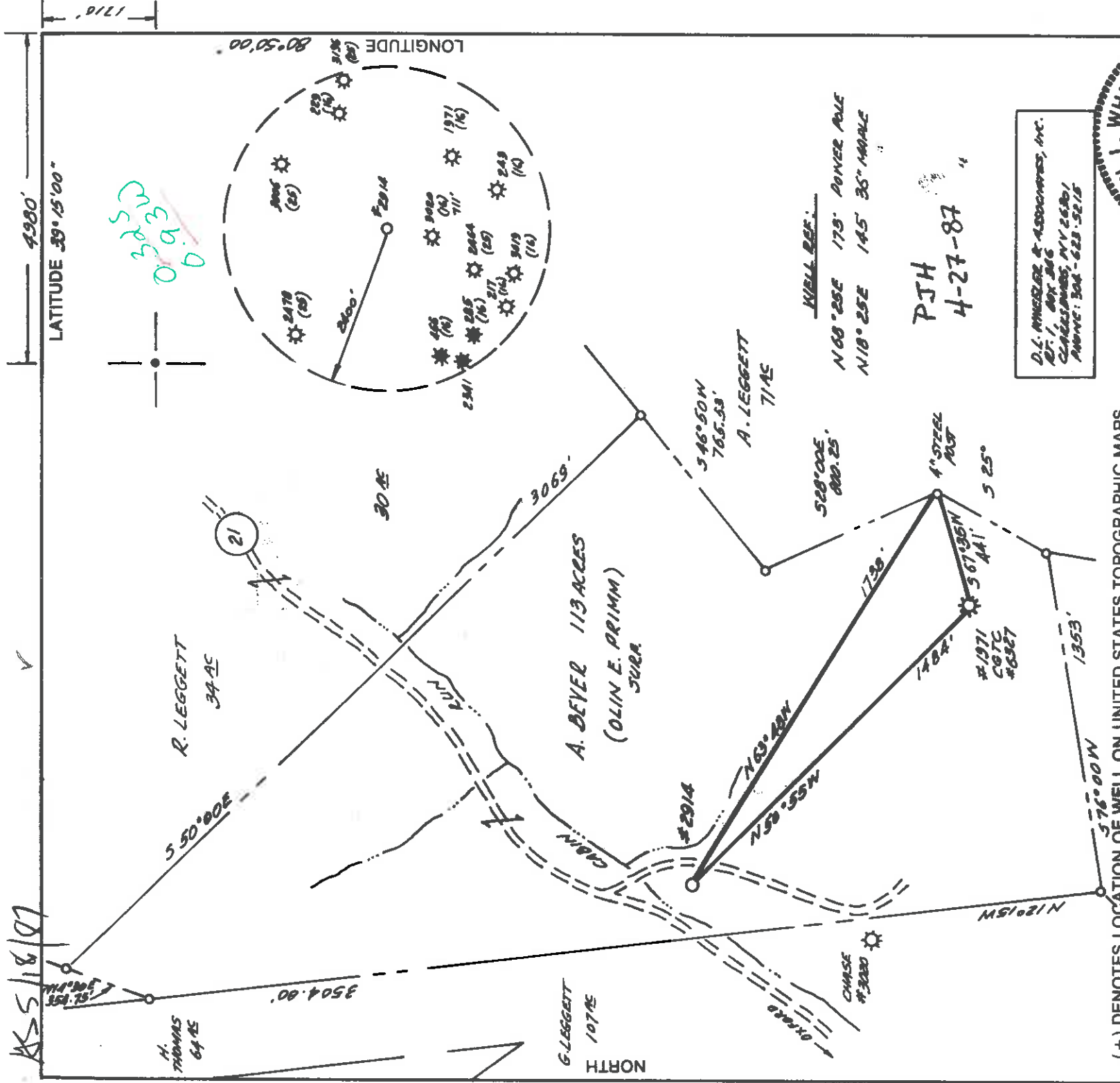
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS:") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 991' WATER SHED CABIN RUN
 DISTRICT CENTRAL COUNTY BOYDE
 QUADRANGLE OXFORD 7.5'
 SURFACE OWNER OLIN E. PRIMM
 OIL & GAS ROYALTY OWNER OLIN E. PRIMM

DATE MARCH 23, 1987
 OPERATOR'S WELL NO. C.N.G.D. 2914
 API WELL NO. Raw 7th Cancelled
47-017 STATE COUNTY PERMIT
3539-W

PROPOSED WORK: DRILL CONVERT DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 LEASE NO. 37405 LEASE ACREAGE 113
 PLUG AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION Alexandria ESTIMATED DEPTH 5435'

DESIGNATED AGENT, ADDRESS _____
 Same Address _____
 PH: 304-623-8840
 RODNEY J. BIGGS
 Same Address _____
 PH: 304-623-8840



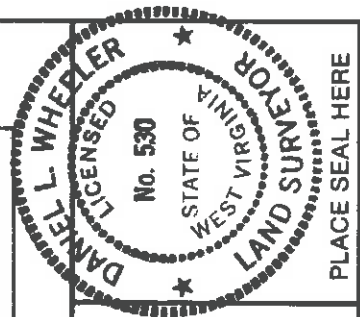
AKS 118/07
 4980'
 LATITUDE 39° 15' 00"
 1716'

3230
 0.933

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/4" 200'
 PROVEN SOURCE OF ELEVATION Chase Petroleum Co.
 Well # 3020 Elev. 940'

D.L. WHEELER & ASSOCIATES, INC.
 P.O. BOX 248
 CHARLESTON, WV 26301
 PHONE: 304-623-5215



PLACE SEAL HERE



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE MARCH 23, 1987
 OPERATOR'S WELL NO. G.M.G.D. 2914
 API WELL NO. _____

47-017-3539-W
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 291' WATER SHED CABIN RUN
 DISTRICT CENTRAL COUNTY DOODRISE

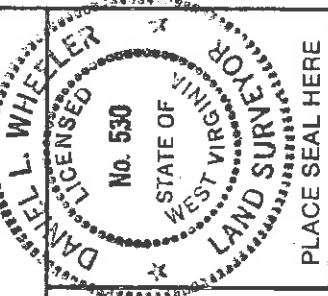
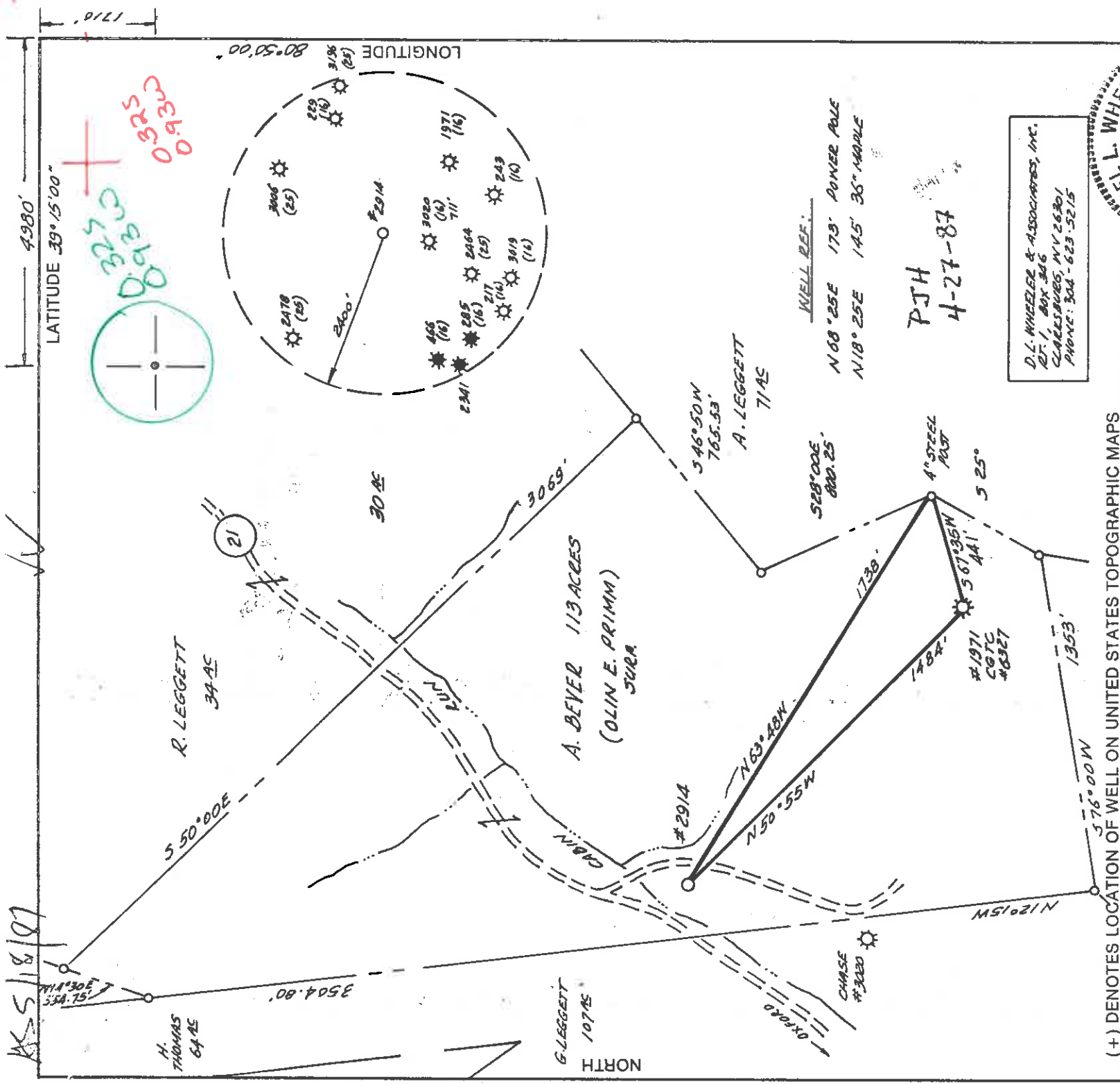
QUADRANGLE OXFORD 7.5' No. 2914
 SURFACE OWNER OLIN E. PRIMM ACREAGE 113
 OIL & GAS ROYALTY OWNER OLIN E. PRIMM LEASE ACREAGE 113

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 5435'

GNG Producing Company
 Rt. 2, Box 698
 Bridgeport, WVa. 26330-0698
 Designated Agent: Rodney J. Biggs
 Same Address
 PH: 304-623-8840

0000 COUNTY NAME 3539 PERMIT



D.L. WHEELER & ASSOCIATES, INC.
 P.O. 1, BOX 346
 CHARLESBORO, WV 26030
 PHONE: 304-623-5215

PJH
 4-27-87

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) *Daniel L. Wheeler*
 R.P.E. _____ L.L.S. 530
 DANIEL L. WHEELER

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FILE NO. _____
 DRAWING NO. 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION CHASE PETROLEUM CO.
 WELL #3020 ELEV. 960'

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE MARCH 23, 1987
 OPERATOR'S WELL NO. C.N.G.D. 2914
 API WELL NO. 47-017-3539 PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 931' WATERSHED CABIN RUN
 DISTRICT CENTRAL COUNTY DODDRIESE
 QUADRANGLE OXFORD 7.5 526 ACREAGE 113
 SURFACE OWNER OLIN E. PRIMM
 OIL & GAS ROYALTY OWNER OLIN E. PRIMM LEASE ACREAGE 113
 LEASE NO. 37405

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 ESTIMATED DEPTH 5435'
 TARGET FORMATION ALEXANDER
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT ERIC A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS ROUTE 2, BOX 639
PITTSBURGH, PA. 15244 149 BRIDGEPORT, WV. 26330

COUNTY NAME PERMIT

6-6 Straight Fork-Bluestone Creek (133) MAY 26 1987



RECEIVED
JUL 16 1987
State of West Virginia
Department of Mines
Oil and Gas Division

Date July 7, 1987
Operator's Well No. CNGD WN 2914
Farm Bever
API No. 47-017-3539

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 951 Watershed Cabin Run
District: Central 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 Olin E. Primm & Charles & Donna
Rt. 1 Box 225
West Union, WV 26456
MINERAL RIGHTS OWNER Olin Primm & Charles & Donna
Rt. 1 Box 225
West Union, WV 26456

OIL AND GAS INSPECTOR FOR THIS WORK

Mike Underwood ADDRESS Rt. 2 Box 114
Salem, WV 26426

PERMIT ISSUED May 22, 1987

DRILLING COMMENCED June 4, 1987

DRILLING COMPLETED June 9, 1987

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	116	116	To Surf.
9 5/8			
8 5/8	1718	1718	To Surf.
7			
5 1/2			
4 1/2	5436	5436	510 sks
3			
2 1/2	5737	5737	-----
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5435 feet
Depth of completed well 5438 feet Rotary / Cable Tools _____
Water strata depth: Fresh 198 feet; Salt 435 feet
Coal seam depths: _____ Is coal being mined in the area? No _____

OPEN FLOW DATA

Producing formation Alexander Benson * Pay zone depth 5175-5229 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 444 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours
Static rock pressure 850 psig (surface measurement) after 24 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

(Continue on reverse side)

JUL 20 1987


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

Perforated Alexander 5175-5229, 36 holes, .39 HSC; Benson 4904-4910, 21 holes, .39 HSC
 75Q Foam Frac - 1st stage - Breakdown 1800, Ave HHP 2 pumps, Ave Rate 20, Ave Pr. 2850,
 Max Tr Pres. 2950, Total Acid 1000, Total Sand 115,000, Max Conc. 6#, Total Fluid 309,
 SL Fluid 206, Total Nit. 767,209, ISIP 1570. 2nd stage would not break.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Sand, Shale & RR Lime			0 692 705	692 705 1930	Including indication of all fres! and salt water, coal, oil and gas! 3/4" stream water @ 108' 1/4" stream water @ 170' 1" stream water @ 435' RECEIVED JUL 16 1987 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY
Sand, Shale & RR			1930	1961	
L. Lime			1961	1970	
Shale			1970	2070	
B. Lime			2070	2100	
B. Injun			2100	3743	
Sand, Shale & RR			3743	3800	
Speechley			3800	3910	
Shale			3910	3932	
Speechley			3910	4132	
Shale			3932	4132	
Balltown			4132	4180	
Sand & Shale			4180	4906	
Benson			4906	4960	
Sand & Shale			4960	5158	
Alexander			5158	5230	
Sand & Shale			5230	5438	
ELECTRIC LOG TOPS ✓					
Big Lime			1966	2046	
Big Injun			2046	2094	
Weir			2256	2380	
Berea			2450	2454	
Warren			3342	3376	
Balltown			3884	3930	
Bradford			4466	4536	
Benson			4903	4956	
Alexander			5162	5234	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY
 Well Operator
 By: 
 Date: July 7, 1987

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
 well, encountered in the drilling of a well."
 100%

FORM MW-2(B) FILE COPY
(Cbvet)
7/85



1) Date: April 29, 19 87
2) Operator's Well No. CNGD 2914
3) API Well No. 47 017 3539 Permit

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

4) WELL TYPE: A Oil Gas
B (If "Gas", Production
Elevation: 951
5) LOCATION: District: Central / Undergrd storage Deep Shallow
Watershed: Cabin Run
6) WELL OPERATOR: CNG Development Co. CODE: 1010 County: Doddridge 017 Quadrangle: Oxford 525
Address c/o Cheryl S. Hartle P.O. Box 15746 7) DESIGNATED AGENT Gary Nicholas
Pittsburgh, PA 15244 Address Crosswind Corporate Park
Rt. 2, Box 698, Bridgeport, WV 26330
8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Mike Underwood
Address Route 2, Box 114
Salem, WV 26426
9) DRILLING CONTRACTOR:
Name Sam Jack Drilling Co.
Address P.O. Box 48
Buckhannon, WV 26201
10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)

11) GEOLOGICAL TARGET FORMATION, Alexander
12) Estimated depth of completed well, 5435 feet
13) Approximate traia depths: Fresh, 5700 feet; salt, - feet;
14) Approximate coal seam depths: - feet
15) CASING AND TUBING PROGRAM Is coal being mined in the area? Yes No

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.			
Conductor	11-3/4	H-40	42	For drilling 100-40	To surface	By rule 15.05
Fresh water						
Coal						
Intermediate	8-5/8	X-42	23	1700	To surface	By rule 15.05
Production	4-1/2	J-55	10.5	5435	200 - 400	Depths set
Tubing	1-1/2	CN-55	2.75			By rule 15.01
Liners						Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3539 Date May 22 19 87

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 May 22, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <input checked="" type="checkbox"/>	Casing Fee: 18136	WPP: <input checked="" type="checkbox"/>	Other: <input checked="" type="checkbox"/>
---	--	---	-------------------	--	--

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.
Director, Division of Oil and Gas File

10001

1) Well Operator: CNG Producing Company 10110 3) Elevation: 951'

2) Operator's Well Number: CNGP 2914W

4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage
 Deep / Shallow
 433

Proposed Target Formation(s): Big Injun, Balltown

Proposed Total Depth: 2060-2094 feet
3890-3904 feet

Approximate fresh water strata depths: _____
 Approximate salt water depths: _____

9) Approximate coal seam depths: _____
 Approximate coal seam depths: _____
 10) Does land contain coal seams tributary to active mine? Yes No

11) Proposed Well Work: Squeeze cement to cover intervals. Perforate and frac proposed zones.
Clean well up and commingle with existing production.

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-10"			116'	116'	To Surface
Fresh Water						
Coal						
Intermediate	8 5/8"			1718'	1718'	To Surface
Production	4 1/2"			5436'	5436'	510 sks.
Tubing	1 1/2"			5737'	5737'	-----
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 _____ (Type)
 Agent

01/16/96

AP

1) Date: 3/18/95
2) Operator's well number
3) API Well No: 47-017-3539W
State - County - Permit

Permitting
Office of Oil & Gas
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 Charles E. & Donna J. Dotson
Address Rt. 1, Box 224
West Union, WV 26456
(b) Name Mary Virginia Primm
Address Rt. 1, Box 225
West Union, WV 26456
(c) Name
Address

5) (a) Coal Operator:
Name
Address

(b) Coal Owner(s) with Declaration
Name Same as Surface Owners
Address

Name
Address

(c) Coal Lessee with Declaration
Name
Address

6) Inspector Mr. Mike Underwood
Address

Telephone (304) - 288-1604 (cell phone)
782-1043 (home)

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

Personal Service (Affidavit attached) on the above named plat, and
 Certified Mail (Postmarked postal receipt attached) by:
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

is true, accurate, and complete. I believe that the information I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CME Producing Company
By: Rodney J. Biggs
Its: Designated Agent - Production Manager, Appalachian Region
Address Rt. 2, Box 698, Crosswind Corp. Park
Bridgport, WV 26330

Telephone (304) 623-8840

Subscribed and sworn before me this 18th day of August, 1995

Nancy D. Pickett Notary Public
My commission expires 09-26-2003

