

WELL REFERENCES:
 S41°30'E, 191' TO 4" LOCUST
 S16°W, 143.50' TO 8" TWIN LOCUST

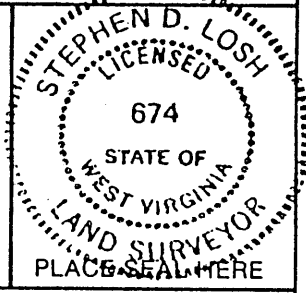
NOTE: NO WELLS
 WITHIN 3000 FEET.

LATITUDE 38°40'00"
 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 BEND IN ROAD 1700' S.W.
 OF LOCATION ELEV. 3306'

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

WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 #10 McJUNKIN ROAD
 NITRO, WEST VIRGINIA 25143-2506



DATE MAY 10, 1990
 OPERATOR'S WELL NO. 3983
 API WELL NO. _____

WELL TYPE: OIL _____ GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP SHALLOW _____
 LOCATION: ELEVATION 3652' WATER SHED POUNDING MILL RUN
 DISTRICT CIRCLEVILLE COUNTY PENDLETON
 QUADRANGLE SPRUCE KNOB 7.5 min.

SURFACE OWNER CLEM BENNETT HEIRS ACREAGE 62.50
 OIL & GAS ROYALTY OWNER CLEM BENNETT HEIRS LEASE ACREAGE 62.50
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

Existing Well drilled in 1990. TD. 8440' C.M.D. Producing in Permanently Plugging existing well.

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 7900
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY BIGGS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
 PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

FEB 18 2000

LONGITUDE 79°30'00"

COUNTY NAME PEND

PERMIT 0016 CANCEL

FORM WW-6

11,850'

LATITUDE 38°40'00"

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

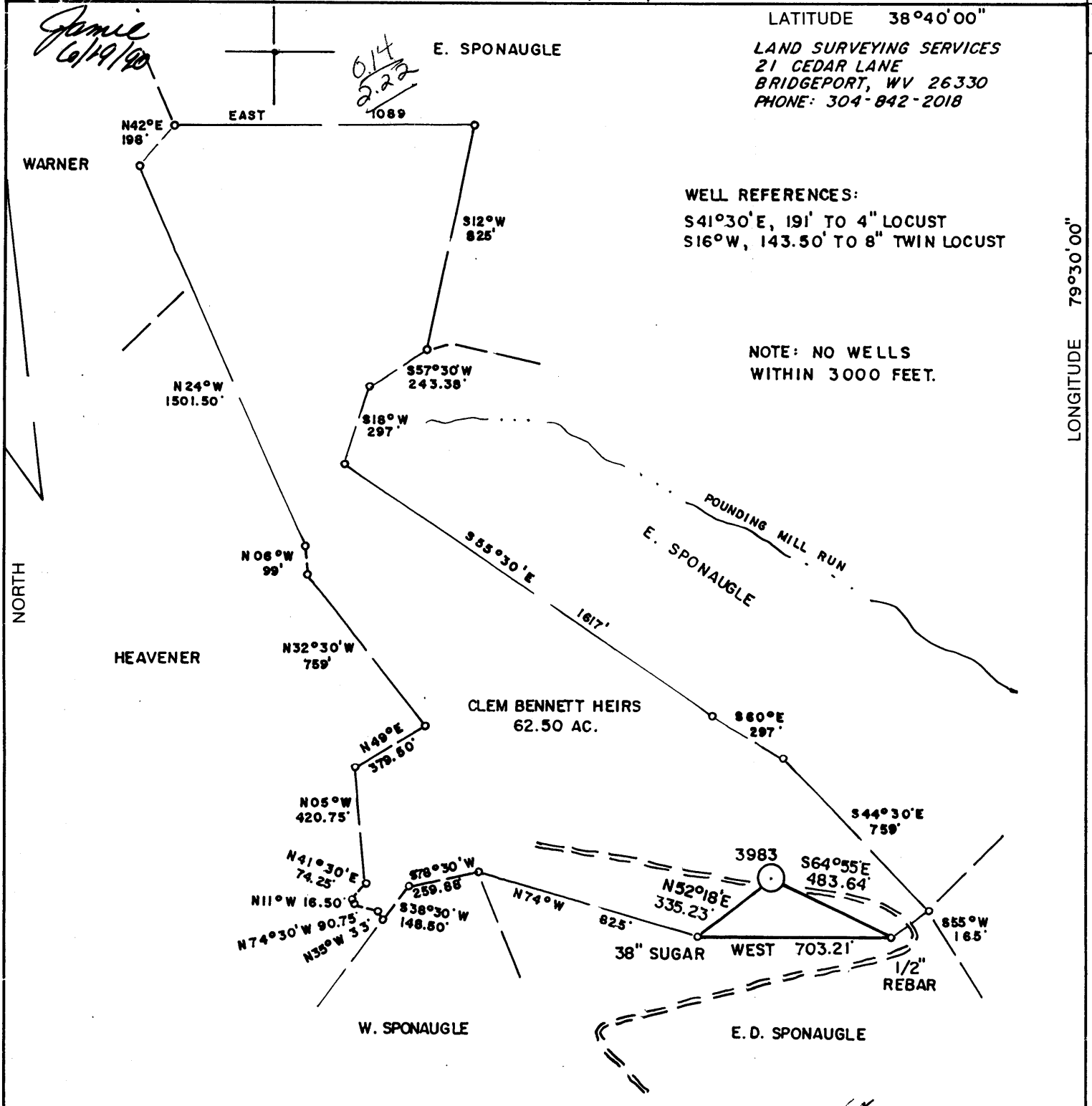
E. SPONAUGLE

0.14
5.22
1089

WELL REFERENCES:

S41°30'E, 191' TO 4" LOCUST
S16°W, 143.50' TO 8" TWIN LOCUST

NOTE: NO WELLS
WITHIN 3000 FEET.

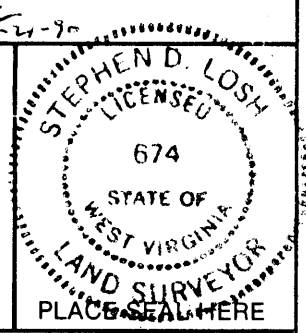


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(SIGNED) _____
R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE MAY 10, 1990
OPERATOR'S WELL NO. 3983
API WELL NO. _____

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP SHALLOW ___
LOCATION: ELEVATION 3652' WATERSHED POUNDRING MILL RUN
DISTRICT CIRCLEVILLE 2 COUNTY PENDLETON
QUADRANGLE SPRUCE KNOB 7.5 min. + 15' EC.

47 - 071 - 00016
STATE COUNTY PERMIT

SURFACE OWNER CLEM BENNETT HEIRS ACREAGE 62.50
OIL & GAS ROYALTY OWNER CLEM BENNETT HEIRS LEASE ACREAGE 62.50

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 7900
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT RODNEY BIGGS
ADDRESS ONE PARK RIDGE CENTER 142 ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

JUN 29 1990

FORM WW-6 HALLS INC. 068065

LONGITUDE 79°03'06"

COUNTY NAME PERMIT

DESP... (handwritten notes at the bottom of the page)

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

Off. On...
AUG 18 92
CNGD 3983
WV Division of
Environmental Protection

Reviewed TM6
Recorded _____

Well Operator's Report of Well Work

Farm name: BENNETT, ANDREW ETAL. Operator Well No.:

LOCATION: Elevation: 3652.00 Quadrangle: SPRUCE KNOB

District: CIRCLEVILLE County: PENDELTON
Latitude: 760 Feet South of 38 Deg. 40Min. 0 Sec.
Longitude 11850 Feet West of 79 Deg. 30 Min. 0 Sec.

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

Inspector: PHILLIP TRACY
Permit Issued: 06/28/90
Well work Commenced: 9/13/90
Well work Completed: 1/3/91
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 8440'
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.
13 3/8	164' KB	164' KB	200 sks
9 5/8	2268' KB	2268' KB	790 sks
5 1/2"	8448'	8448'	To surf.
2 3/8"	8224' KB	8224' KB	

OPEN FLOW DATA

Producing formation 1st & 2nd Bench {8084-8104; 8105-8128; 8148-8162; 8166-8180; 8189-8192; 8214-8224.
3rd Bench Pay zone depth (ft) 8257-8274
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 5.5 MMCF/d with 1650 psi flowing casing pressure _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 2283 psig (surface pressure) after 7 day ~~XXXXX~~

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 15, 1992

AUG 21 1992

Perf. 1st & 2nd Bench of Oriskany with 4" HSC, .44 EHD 22 gram charge. Perfs.
 8084-8104, 20 shots; 8105-8128, 69 shots; 8148-8162, 14 shots; 8166-8180, 14 shots;
 8189-8192, 3 shots; 8214-8224, 10 shots. Set of Perfs. at 8166-8180 broke formation
 @ 4300# with an ISIP of 1100#
 Perforated 3rd Bench 8257 - 8274, 45 shots, 4" HSC; Broke Formation @ 5000#

Drillers Log;

Soil	0	5
Limestone	5	132
Sd & Sh & RR	137	7700
Upper Marcellus	7700	7750
Purcell Limestone	7750	7850
Lower Marcellus	7850	7900
Tioga Bentonite	7900	7952 7946
Onondaga	7952	7946 7952
Needmore	7946	8095
Oriskany	8095	8182
Second Bench	8182	8268
Heldeberg	8268	8440

log picks - late 10/2/2009
 Purcell 7745
 Lower Marc 7815
 Tioga 7860
 Onondaga 7882
 Needmore 8030
 Oriskany 8082
 Helderberg 8255

8180!

Rev 6/18/92

47-011-00016
Issued 6/28/90
Page of
Expires 6/28/92

FORM WW-2B

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

- 1) Well Operator: CNG DEVELOPMENT COMPANY 10110 (2) 617
- 2) Operator's Well Number: CNGD 3983 3) Elevation: 3652
- 4) Well type: (a) Oil or Gas X /
(b) If Gas: Production / Underground Storage /
Deep X / Shallow
- 5) Proposed Target Formation(s): Huntersville Chert - Oriskany
- 6) Proposed Total Depth: 8000' feet
- 7) Approximate fresh water strata depths: 65'
- 8) Approximate salt water depths: Unknown
- 9) Approximate coal seam depths: Unknown
- 10) Does land contain coal seams tributary to active mine? Yes / No X
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16	H-40		20'	20'	
Fresh Water	13 3/8	H-40	48	160'	160'	Surface
Coal						38CSR1811.3
Intermediate	9 5/8	J-55	36	2200'	2200'	38CSR1811.2
Production	5 1/2	M-75	17	8000'	8000'	Surface 38CSR1811-1 225 sks.
Tubing	2 3/8	J-55	4.7	7600'	7600'	
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

1) Date: June 5, 1990
2) Operator's well number
CNGD 3983
3) API Well No: 47 - 071 - 0016
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 Andrew Bennett
Address HCR Route 6, Box 56
Circleville, WV. 26804
(b) Name Elmer Bennett
Address P. O. Box 444
Franklin, WV 26807
(c) Name Michael Smith
Address P. O. Box 161
Durbin, WV 26264

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 same as Surface Owners
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.

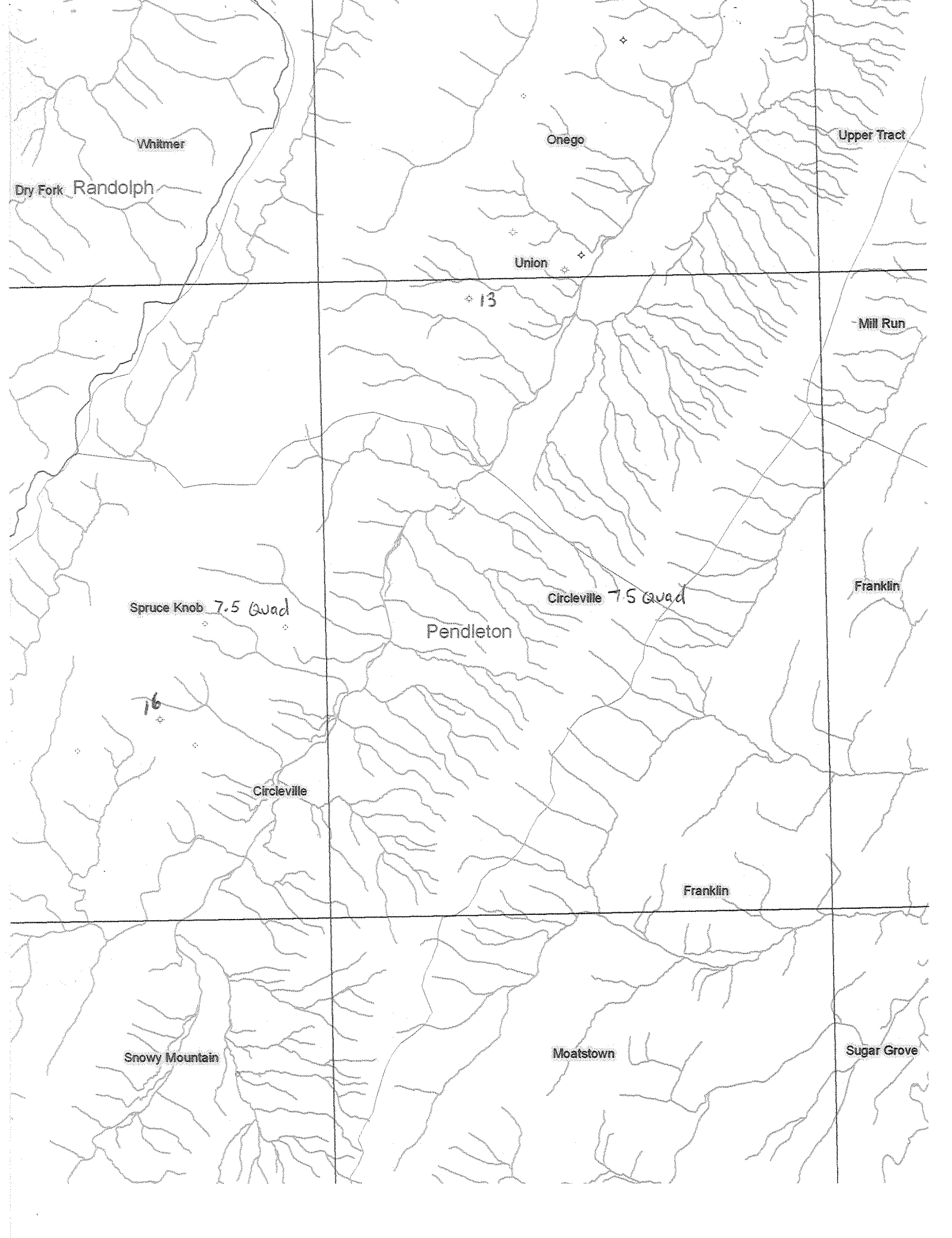
Well Operator CNG Development Company
By: [Signature]
Its: Supervisor Purchasing/Production Services
Address One Park Ridge Center, P. O. Box 15746
Pittsburgh, PA 15244
Telephone (412) 787-4117

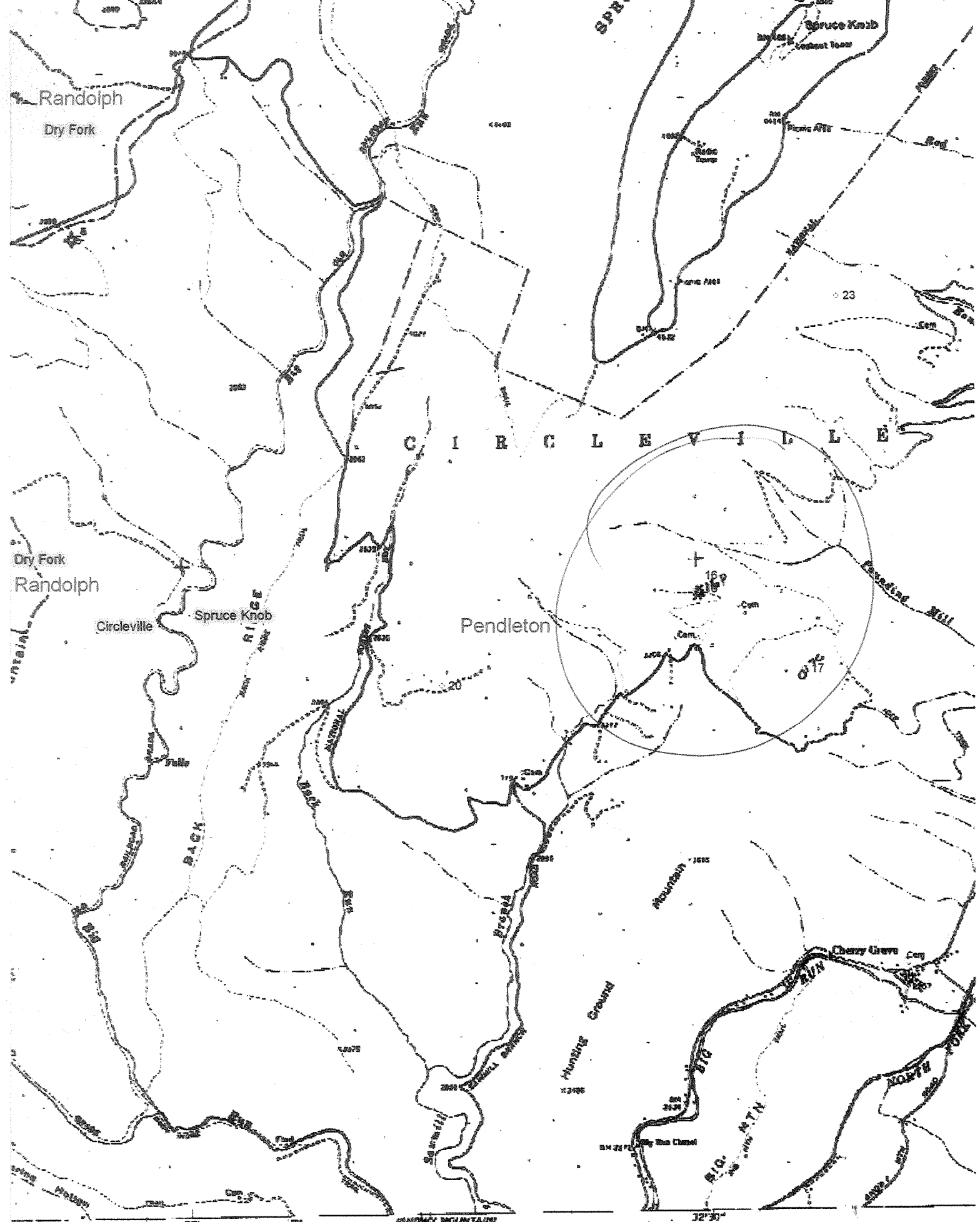
Subscribed and sworn before me this _____ day of June, 1990

[Signature]
My commission expires _____

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

Notary Public





SNOWY MOUNTAIN
 SCALE 1:50,000