



1) Date: January 15, 19 85
 2) Operator's Well No. 1283
 3) API Well No. 47 - 033 - 3172
 State County Permit

RECEIVED

FEB 15 1985

**OIL & GAS DIV.
DEPT. OF MINES**

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1057 Watershed: Isaacs Creek
 District: Union County: Harrison Quadrangle: West Milford 7.5'
- 6) WELL OPERATOR CNG Development Co. 7) DESIGNATED AGENT Gary Nicholas
 Address c/o Paul W. Garrett, P.O. Box 15746 Address Crosswind Corporate Park
Pittsburgh, PA 15244 Rt. 2, Box 698, Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Stephen Casey Name Sam Jack Drilling Company
 Address Rt. 2, Box 232-D Address P.O. Box 48
Jane Lew, WV 26378 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, 5200 feet
 13) Approximate trata depths: Fresh, 73, 243 feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No /

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	11-3/4	H-40	42	x		40	40	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	x		700	700	To Surface	By Rule 15.05
Production	4-1/2	J-55	10.5	x		5200	5200	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 47-033-3172 Date March 13, 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 March 13, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>28</u>	<u>MW</u>	<u>MW</u>	<u>MW</u>	<u>6100</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

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

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FEB 15 1987

OFFICE USE ONLY

OIL & GAS DIV. DEPT. OF MINES

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

WELL LOCATION: Division: Harrison County, West Virginia, Isaac Creek.
WELL OPERATOR: CMC Development Co., P.O. Box 15748, Charleston, W.V. 25304.
APPLICANT: Sam Jack Drilling Company, P.O. Box 48, Dickinson, W.V. 26031.

Table with columns for Well No., Depth, and other technical specifications. Includes handwritten entries like 'By Rule 15.05'.

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Table with columns for Date and Date(s) for various events: Application received, Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Reason: [Handwritten signature and notes]
Reason: [Handwritten signature and notes]

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
G. W. Caynor	South Penn Supply Co,	1/8 Oil \$200. Yr. Gas	113	423

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FEB 12 1982

OFFICE OF OIL & GAS DIV.



1) Date: January 15, 1985
2) Operator's Well No. 1283
3) API Well No. 47-033-3172
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Robert Lee & Carol Lee Golden
Address Rt. 1, Box 286
Lost Creek, WV 26385

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR

Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:

Name ** Eastern Associated Coal Co.

SEE LETTER Address c/o Michael D. Eddy, Jr.
One PPG Place

Name Pittsburgh, PA 15222

Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name _____

Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included in the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

PAUL W. GARRETT

this 15 day of January, 1985.

My commission expires 5/25, 1987.

Yvonne T. Green
Notary Public, Allegheny County,
State of Pennsylvania

WELL

OPERATOR CNG Development Company

By Paul W. Garrett

Its Manager, Well Programs

Address P.O. Box 15746

Pittsburgh, PA 15244

Telephone (412) 787-4090

YVONNE T. GREEN, NOTARY PUBLIC
PITTSBURGH, ALLEGHENY COUNTY, PA.
MY COMMISSION EXPIRES MAY 25, 1987

RECEIVED
FEB 15 1985
OIL & GAS DIV.
DEPT. OF MINES

FARM G. W. Caynor Lease

DISTRICT

Union

COUNTY

Harrison

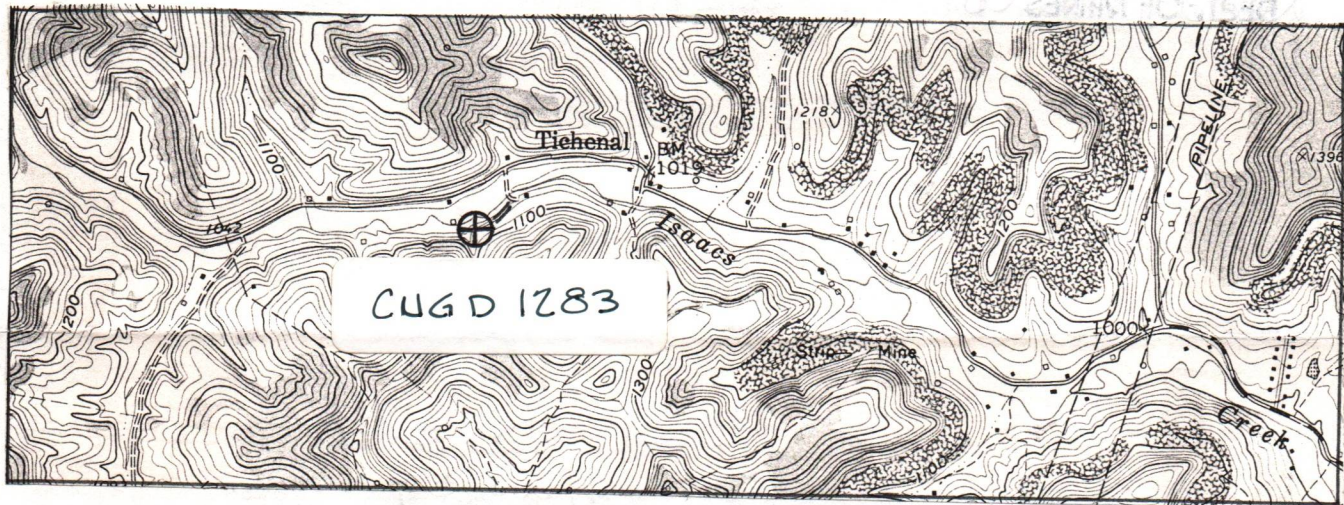
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE West Milford 7.5'

LEGEND

Well Site ⊕

Access Road ===



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wells, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ————

Road ===

Existing fence —x—x—

Planned fence —/—/—

Stream ~~~~~

Open ditch ———→

Diversion //////////////

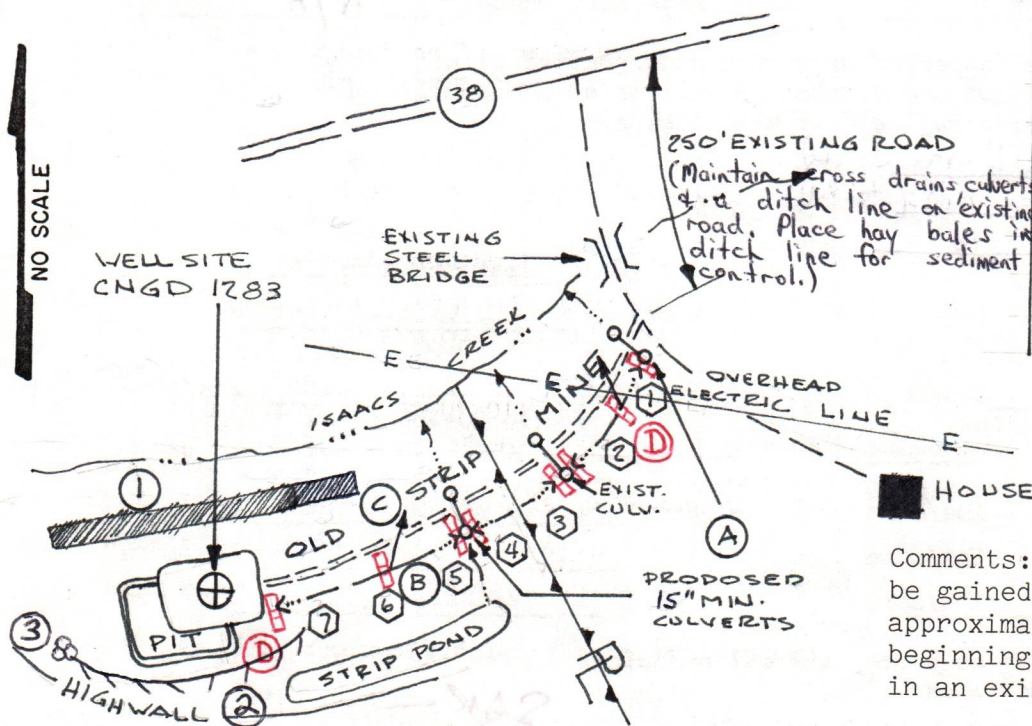
Spring ⊕→

Wet spot ⊕

Building ■

Drain pipe —○→○→○→

Waterway <=====>



ROAD	GRADE	CROSS DRAIN SPACING
1 50'	+12 %	AS NEEDED
2 150'	-2 %	AS NEEDED
3 50'	+8 %	AS NEEDED
4 50'	-4 %	AS NEEDED
5 75'	+7 %	AS NEEDED
6 160'	+1 %	AS NEEDED
7 100'	-1 %	AS NEEDED

575' TOTAL

Comments: Access to the well site will be gained by constructing and upgrading approximately 575' of access road beginning at an intersection point in an existing road.

The access road will be sloped 2-3% towards the open ditch. All outlets of drainage structures and ditches will be in a stable area. All brush and timber will be removed from the area to be disturbed prior to any earth moving activities. Topsoil will be stockpiled for use in reclaiming. The road and well site will be brought to desired grade with erosion control structures being installed in conjunction with the grading. All cuts will be 2:1 slope or less. Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses.

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IV-9 (Rev 8-81) 15 1985

DATE October 22, 1984
WELL NO. CNGD-1283
API NO. 47 - 033 - 3172

OIL & GAS DIV.
DEPT. OF MINES CO.
OCT 25 1984

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company
Address One Park Ridge Center
Pittsburgh, PA 15244
Telephone (412) 429-2390
LANDOWNER Robert & Carol Golden
DESIGNATED AGENT Gary A. Nicholas
Address Route 2, Box 698
Bridgeport, WV 26330
Telephone (304) 623-8840
SOIL CONS. DISTRICT West Fork
Revegetation to be carried out by Gary A. Nicholas (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 11/26/84 (Date)

Kenneth E Knight
(SCD Agent)

THIS REVIEW IS MADE FOR SITE AS SHOWN. A CHANGE OF ELEVATION OF PLUS OR MINUS 10 FT. OR SLOPE OF PLUS OR MINUS 3 PERCENT MAKES THIS PLAN NOT ACCEPTABLE TO WFSCD.

ACCESS ROAD

Structure Steel Road Culvert (15" min. I.D.) (A)
Spacing At natural drains
with riprapped outlet
Page Ref. Manual 2-7 to 2-11
Structure Drainage Ditch (B)
Spacing Along access road
Inside road cuts
Page Ref. Manual 2-12 to 2-15
Structure Cross Drains (C)
Spacing As noted on sketch
with riprapped outlet
Page Ref. Manual 2-1 to 2-4

LOCATION

Structure Sediment Barrier (1)
Material Hay or straw bales staked
Page Ref. Manual 2-16 to 2-20
Structure Diversion Ditch (2)
Material Earth
Page Ref. Manual 2-12
Structure Rip Rap (3)
Material Rock
Page Ref. Manual N/A

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

Structure Sediment Barrier (D)
Material Hay or straw bales (staked)
Pg. Ref. Man. 2-16
REVEGETATION

Treatment Area I

Lime according to soil test to correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2.0 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 lbs/acre

Treatment Area II

Lime according to soil test to correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2.0 Tons/acre
Seed* Ky 31 Tall Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Dom Rye Grass 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY SAR - JSB
MSES Consultants, Inc.

ADDRESS 609 West Main Street
Clarksburg, WV 26301
PHONE NO. 304-624-9700 or
304-842-3325 (24-hour)

NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.



DATE: January 15, 1985
OPERATOR'S
WELL NO.: 1283
API NO: 47 - -
State County Permit

State of West Virginia

OFFICE OF OIL AND GAS
DEPARTMENT OF MINES

A F F I D A V I T

State of West Virginia

County of Harrison

I, Paul W. Garrett (the designated owner or operator, or authorized representative thereof), after being duly sworn, do depose and say that the undersigned is authorized by the owner of the working interest in the well permit application to which this affidavit is attached do state that (he, she, or it) shall tender to the owner of the oil and gas in place not less than one-eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced, or marketed before deducting the amount to be paid or set aside for the owner of the oil or gas in place, or all such oil or gas to be extracted, produced, or marketed from the well. West Virginia Code 22-4-11(e) (1982).

Signed: Paul W. Garrett

Taken, Subscribed, and sworn to before me this 15th day of January, 1985.

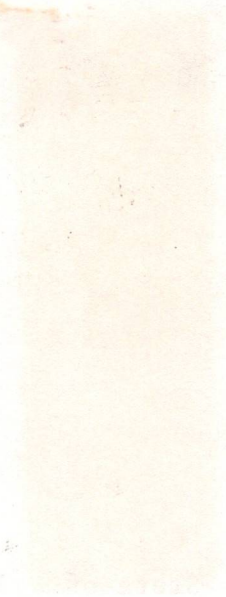
Notary: Yvonne T. Green

My Commission Expires: 5/25/87

YVONNE T. GREEN, NOTARY PUBLIC
PITTSBURGH, ALLEGHENY COUNTY, PA.
MY COMMISSION EXPIRES MAY 25, 1987



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JAN 15 1985
OIL & GAS DIV.
DEPT. OF MINES



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WASHINGTON, D. C. 20250

W. M. ...

...

MY COMMISSION EXPIRES MAY 28, 1957
HARRISBURG, HARRISBURG COUNTY, PA.
W. JAMES T. ... NOTARY PUBLIC



DEPT. OF MINES
OIL & GAS DIV.

MAY 14 1952

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PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1. Show to whom, date and address of delivery.
- 2. Restricted Delivery.

3. Article Addressed to:
*Eastern Associated Coal Co.
 c/o W.R. Gallagher, Sup. Mgr.
 Hopewell Bldg.
 Pgh, Pa 15219*

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	<i>P580 612 437</i>

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X *J. G. Gelle*

7. Date of Delivery
1-16-85

8. Addressee's Address (ONLY if requested and fee paid)



C.M.R.L. 1983

DOMESTIC RETURN RECEIPT

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1. Show to whom, date and address of delivery.
- 2. Restricted Delivery.

3. Article Addressed to:
*Robert Golden
 c/o Preheat Shielding
 P.O. Box 5
 Kane Run, OH 46378*

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	<i>P580 639 045</i>

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *Marshall B. Borsari*

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

C.M.R.L. 1983

DOMESTIC RETURN RECEIPT

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FEB 15 1985

OIL & GAS DIV.
DEPT. OF MINES

11

11

11

11

RECEIVED

APR 19 1933

DEPT. OF MINES
OFF. & GEN. DIV.



CNG DEVELOPMENT COMPANY

ONE PARK RIDGE CENTER • P.O. BOX 15746 • PITTSBURGH, PENNSYLVANIA 15244 • (412) 787-3550

February 14, 1985

Office of Oil and Gas
West Virginia Department of Mines
1615 East Washington Street
Charleston, WV 25311

Re: CNGD Well No. 1283
G. W. Caynor
Harrison County, WV

Gentlemen:

Enclosed is our Draft in the amount of \$350.00, Notice of Application For A Well Work Permit, Application For A Well Work Permit, Location Plat and Construction and Reclamation Plan for the above noted well.

Also enclosed are the receipts of the certified mail to the surface and coal owners.

Eastern Associated Coal sent us a memo stating this well was on an 8 acre reservation, and Eastern does not own the coal.

CNGD abstractor checked the courthouse a second time and could not find this information in the records. The surface owner feels that Eastern owns the coal.

Yours truly,

Paul W. Garrett

PWG:slm

Enclosure

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FEB 15 1985
OIL & GAS DIV.
DEPT. OF MINES



February 12, 1992

Mr. J. H. Smith
123 Main Street
Peterborough, Ontario
K9A 1A1

Dear Mr. Smith:

I am pleased to inform you that your application for a license to operate a gas well in the area of [redacted] has been approved. The license is valid for a period of [redacted] years and is subject to the conditions set out in the attached schedule. You are required to submit a detailed report on the operations of the well to the Department of Mines and Technical Surveys within [redacted] days of the end of each year.

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FEB 12 1992

DEPT. OF MINES
OIL & GAS DIV.

1234

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

Superior Perforated Alexander 4752 - 4757; 16 holes; .39
 Benson 4403 - 4412; 14 holes; .39
 Balltown -3282 - 3339; 10 holes; .49
 Dowell Frac 1st stage - Break 2800, Avg HHP 2, Avg Rate 16, Avg psi 3000, 500 gal 15% HCL, 40,000# 20/40 Sand, 447 BBL Fluid, ISIP 1600, Total Nitrogen (SCF) 435,000
 2nd Stage - Break 3300, Avg HHP 2, Avg BPM 16, Avg psi 2800, 500 gal 15% HCL, 55,000# 20/40 Sand, 583 BBL Fluid, ISIP 1600, Total Nitrogen (SCF) 532,600
 3rd Stage - Break 1800, Avg HHP 2, Avg BPM 20, Avg psi 2400, 500 gal 15% HCL, 55,000# 20/40 Sand, 588 BBL Fluid, ISIP 1350, Total Nitrogen (SCF) 447,200

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill			0	40	Damp @ 230'
Sand, Shale & RR			40	1275	
Lime			1275	1295	
Red Rock			1295	1440	
Lime			1440	1560	
Big Injun			1560	1650	
Sand & Shale			1650	4415	
Benson			4415	4425	
Sand & Shale			4425	5202	
<u>LOG TOPS</u>					
B. Lime/B. Injun			1480	1650	
Berea/Gantz A			1832	1900	
30'			2050	2084	
Gordon Stray/Gordon			2090	2200	
4th			2206	2238	
5th/L. 5th			2348	2414	
U. Speechley/Speechley			2950	3070	
Balltown			3150	3370	
Bradford			3770	3870	
Riley			4190	4350	
Benson			4392	4418	
Alexander			4688	4825	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: *Larry A. Pickler*

Date: July 30, 1985

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 coal, encountered in the drilling of a well."



IV-35
(Rev 8-81)

RECEIVED
AUG 8 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date July 30, 1985
Operator's
Well No. CNGD WN 1283
Farm Caynor
API No. 47 - 033 - 3172

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 ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1057 Watershed Isaacs Creek
District: Union County Harrison Quadrangle West Milford 7.5'

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 Robert & Carol Golden
ADDRESS Rt 1 Box 286
Lost Creek, WV 26385

MINERAL RIGHTS OWNER Maude Caynor Todd, et al
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK
Stephen Casey ADDRESS Rt. 2, Box 232-D
Jane Lew, WV 26378

PERMIT ISSUED March 13, 1985

DRILLING COMMENCED June 21, 1985

DRILLING COMPLETED June 27, 1985

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"			
9 5/8			
8 5/8	923	923	To Surf
7			
5 1/2			
4 1/2	4930	4930	475 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5200 feet

Depth of completed well 5202 feet Rotary x / Cable Tools _____

Water strata depth: Fresh 230 feet; Salt _____ feet

Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 4752 - 4757 feet
Benson 3282 - 3339
Balltown

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Final open flow 2 Bbl/d

Time of open flow between initial and final tests --- hours

Static rock pressure 1100 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)

Hart 3172

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

RECEIVED
JUN 26 1985

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 33-3172

Oil or Gas Well _____
(KIND)

Company CN G Devel.

Address _____

Farm R Golden

Well No. 1283

District Union County Harr.

Drilling commenced 6-21-85

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names SWJ 14

Remarks:

6-21-85

DATE

Steve Casey

DISTRICT WELL INSPECTOR

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

RECEIVED
MAY 3 1982

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

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

RECEIVED
JUN 27 1985

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3172

Oil or Gas Well _____
(KIND)

Company CNG Dwell
 Address _____
 Farm R. Golden
 Well No. 1283
 District Union County Harr.
 Drilling commenced 6-21-85
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 230 feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 923' No. FT. 225 SKS, Date _____
 NAME OF SERVICE COMPANY Dowell
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names SWJ 14

Remarks: dr. 1893

6-24-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR

Form 26
2/16/82

RECEIVED
JAN 18 1982
OIL & GAS DIVISION
DEPT. OF MINES

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____
COMPANY _____ ADDRESS _____
FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____
Remarks: _____

DATE I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

VIR-20
Obverse
7-85

14-Aug-85
1001 65 12:46

REC'D. - CHAS.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Company: CNG DEVELOPMENT COMPANY
Farm: GOLDEN, ROBT. & CAROL Well: 1283

Permit No. 47- 33-3172 (3-13-85)
County: HARRISON

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	-----	-----
25.04	Prepped before drilling to prevent waste	-----	-----
25.03	High pressure drilling	-----	-----
16.01	Required permits at wellsite	-----	-----
15.03	Adequate Fresh Water Casings	-----	-----
15.02	Adequate Coal Casings	-----	-----
15.01	Adequate Production Casings	-----	-----
15.04	Adequate Cement Strength	-----	-----
15.05	Cement Type	-----	-----
23.02	Maintained Access Roads	-----	-----
25.01	Necessary Equipment to Prevent Waste	-----	-----
23.04	Reclaimed Drilling Pits	-----	-----
23.05	No Surface or Underground Pollution	-----	-----
23.07	Requirements for Production & Gathering Pipelines	-----	-----
16.01	Well Records on Site	-----	-----
16.01	Well Records Filed	-----	-----
16.03	Identification Markings	-----	-----

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Steve Casey
DATE 9-24-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22B, Article 1, Section 26, the above well will remain under bond coverage for the life of the well.

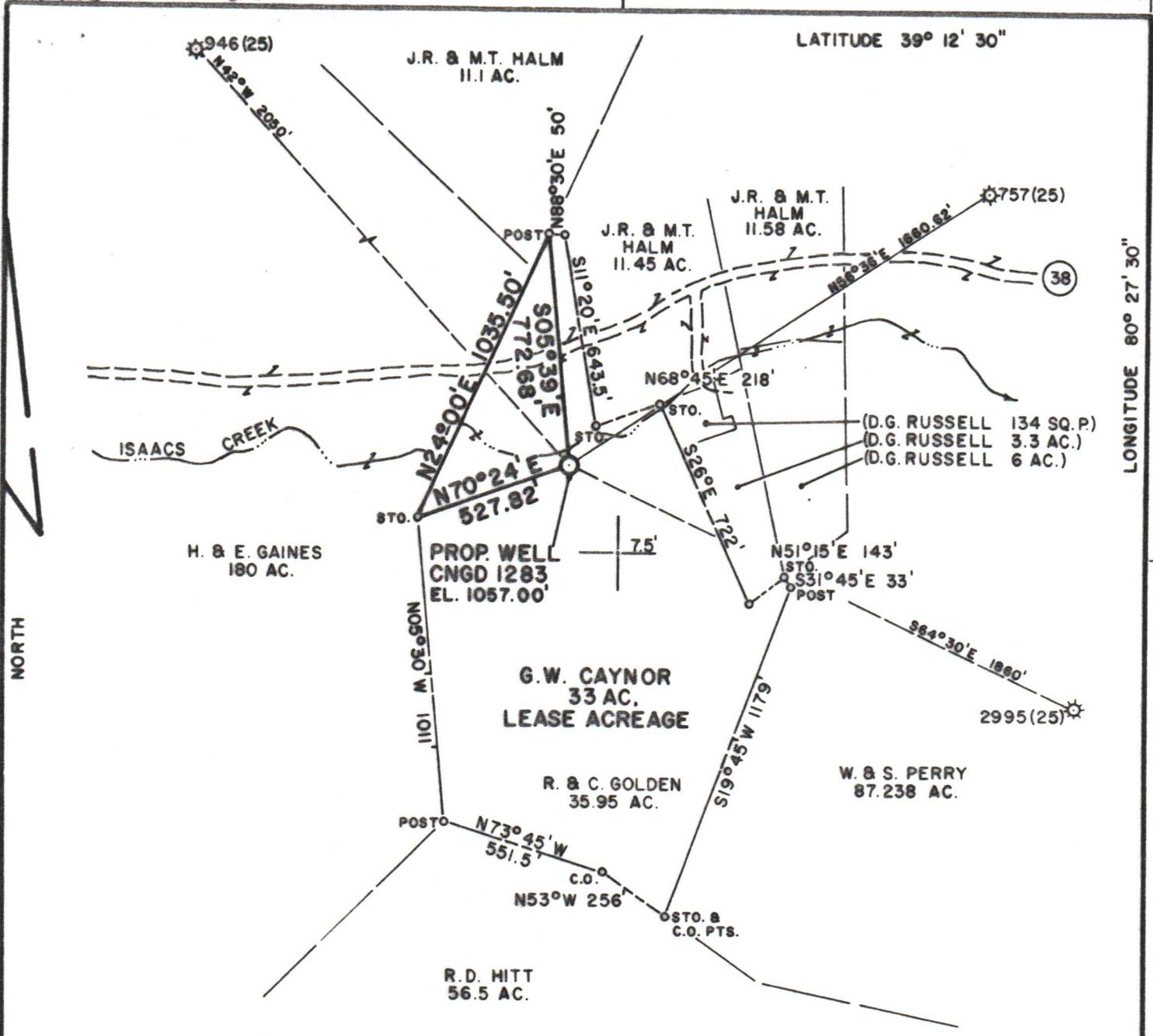
10110

CNG DEVELOPMENT COMPANY
P.O. BOX 15746
PITTSBURGH, PA 15244-0000

T. H. ...
Director-Oil and Gas Division
October 9, 1985
Date

3-12-85

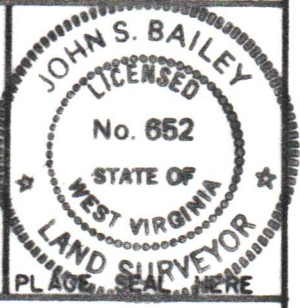
7000'



MAGNETIC REFERENCE TIE LINES
 PROPOSED WELL TO 18" FORKED CHERRY S79°52'W 259.2'
 PROPOSED WELL TO TACK IN POLE W/BASKETBALL HOOP N52°13'W 255.3'

FILE NO. MSES84-545
 DRAWN BY PJD
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION BM AT INT. OF CO. RTS. 38 & 32/6 1950 NE OF LOC. - EL. 1019

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)



Department of Mines
 Oil & Gas Division

DATE OCTOBER 30, 1984
 OPERATOR'S WELL NO. CNGD 1283
 API WELL NO. 47-033-3172
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1057.00' WATER SHED ISAACS CREEK
 DISTRICT UNION COUNTY HARRISON
 QUADRANGLE WEST MILFORD 7.5' 1961(1976)
 SURFACE OWNER ROBERT & CAROL GOLDEN ACREAGE 35.95
 OIL & GAS ROYALTY OWNER MAUDE CAYNOR TODD, ET AL. LEASE ACREAGE 33
 LEASE NO. 2337
 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 5200'
 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