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FEB 01 1985



1) Date: January 24, 19 85  
 2) Operator's Well No. 1274  
 3) API Well No. 47 - 033 - 3160  
 State County Permit

**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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1294' Watershed: Right Fork of Kincheioe Creek  
 District: Union County: Harrison Quadrangle: Big Isaac 7.5'
- 6) WELL OPERATOR CNG Development Company  
 Address C/o Paul W. Garrett, P.O. Box 15746  
Pittsburgh, PA 15244 1011 D
- 7) DESIGNATED AGENT Mr. Gary Nicholas  
 Address Crosswind Corporate Park  
Rt. 2 Box 698 Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Mr. Stephen Casey  
 Address Rt. 2, Box 232-D  
Jane Lew, WV 26378
- 9) DRILLING CONTRACTOR:  
 Name Sam Jack Drilling Company  
 Address P. O. Box 48  
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, 5400 feet
- 13) Approximate trata depths: Fresh, 70, 1505 feet; salt, \_\_\_\_\_ feet.
- 14) Approximate coal seam depths: 584, 714, 966 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	<u>11-3/4</u>	<u>H-40</u>	<u>42</u>	<u>X</u>		<u>12175'</u>	<u>175' 40</u>	<u>To surface</u>	<u>By Rule 15.05</u>
Coal									Sizes
Intermediate	<u>8-5/8</u>	<u>X-42</u>	<u>23</u>	<u>X</u>		<u>1575</u>	<u>1575</u>	<u>To surface</u>	<u>By Rule 15.05</u>
Production	<u>4-1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5400</u>	<u>5400</u>	<u>200-400 sks</u>	Depths set
Tubing	<u>1-1/2</u>	<u>CN-55</u>	<u>2.75</u>	<u>X</u>					<u>By Rule 15.01</u>
Liners									Perforations:
									Top Bottom

**OFFICE USE ONLY  
DRILLING PERMIT**

Permit number 47-033-3160

February 22, 19 85  
Date

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 February 22, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>28</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>6073</u>

Margaret J. Rasse  
 Administrator, Office of Oil and Gas

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

File

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



RECEIVED

15 01 1985

OIL & GAS DIV.  
DEPT. OF MINES

OFFICE USE ONLY

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

Right Fork of Kinchloe Creek  
Harrison  
Union  
The Development Company  
P.O. Box 15746  
Pittsburgh, PA 15246  
10110

Mr. Stephen Casey  
Rt. 2, Box 232-D  
Jane Lew, W. 26876

Sam Jack Drilling Company  
P. O. Box 48  
Buckhannon, W. 26201

OFFICE USE ONLY

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

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

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)

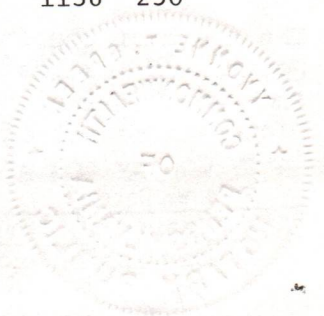
Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (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>
4/6/71	Paul B. McKinley, etal	Consolidated Gas Supply Corporation	1/8	989	720
as of 1/1/84	to Consolidated Gas Transmission Corporation		1/8	1136	250

RECEIVED

OIL & GAS DIV.  
DEPT. OF MINES



NOTARY PUBLIC  
PITTSBURGH & LEGHNEY COUNTY, W.V.  
MY COMMISSION EXPIRES MAY 25, 1974

1) Date: January 24, 1985  
2) Operator's Well No. 1274  
3) API Well No. 47-033-3160  
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 Bryan & Linna B. Utter  
Address 110 Monroe St.  
Salem, WV 25426  
(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.  
Address c/o D. R. Gallaghery, Tax Mgr.  
Koppers Bldg., Pittsburgh, PA  
Name Onita Hutton 15219  
Address 215 28th St.  
Dunbar, WV 25604

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 is 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 24 day of January, 1985.

My commission expires 5/25, 1987.

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

WELL

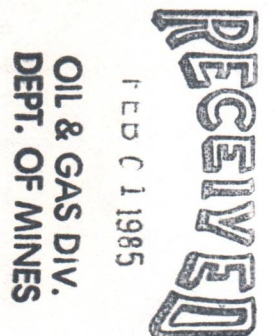
OPERATOR CNG Development Company

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



033-3160

3160 Permit No. \_\_\_\_\_

**APPLICATION**  
**WV General NPDES Permit for Oil & Gas**  
**Drilling Pit Waste Discharge**

**APPLICATION (To Be Completed By Company)**

1. Company Name J & J Enterprises Harrison Co.  
 Mailing Address P.O. Box 48, Buckhannon, W.V.  
 Telephone 472-9403 Well Name CNG1274
2. Name of stream that may be discharged to: \_\_\_\_\_  
 A tributary of: \_\_\_\_\_
3. Treatment and method of pit disposal most likely to be utilized (method not necessarily restricted to this):  
land application
4. Name of person supervising discharge: Charles T. Krushansky  
 Telephone 291-5960 Date Approved \_\_\_\_\_
5. By completing and submitting this application I agree to adhere to the guidance and provisions of the interim experimental general permit system. I understand that participation in the program does not prohibit enforcement action for violation of the terms of this general permit or some other applicable law or regulation.  
 JUN 27 1985

OIL & GAS DIVISION  
 DEPT. OF MINES

Charles T. Krushansky 5-22-85  
 Signature Date

PRE FRAC. Discharge

**NOTIFICATION (To Be Completed By DWR)**

1. Initial Company contact: (Approximately 7 days prior to discharge)  
 Date 5-30-85 Individual V. Lead  
 Proposed discharge date 5-31-85  
 Type of disposal method selected LANDFILL  
 Volume of waste 100,000 Discharge rate 100 GPM CFS  
 Time projected for discharge 20475 DAYS  
 Receiving Stream flow rate N/A CFS
- Objection \_\_\_\_\_ No Objection
2. Final Company contact: (48 hours required notice)  
 Date 5-30-85 Individual V. Lead  
 Final discharge date 5-31-85  
 Objection \_\_\_\_\_ No Objection

**INSPECTION (To Be Completed By DWR)**

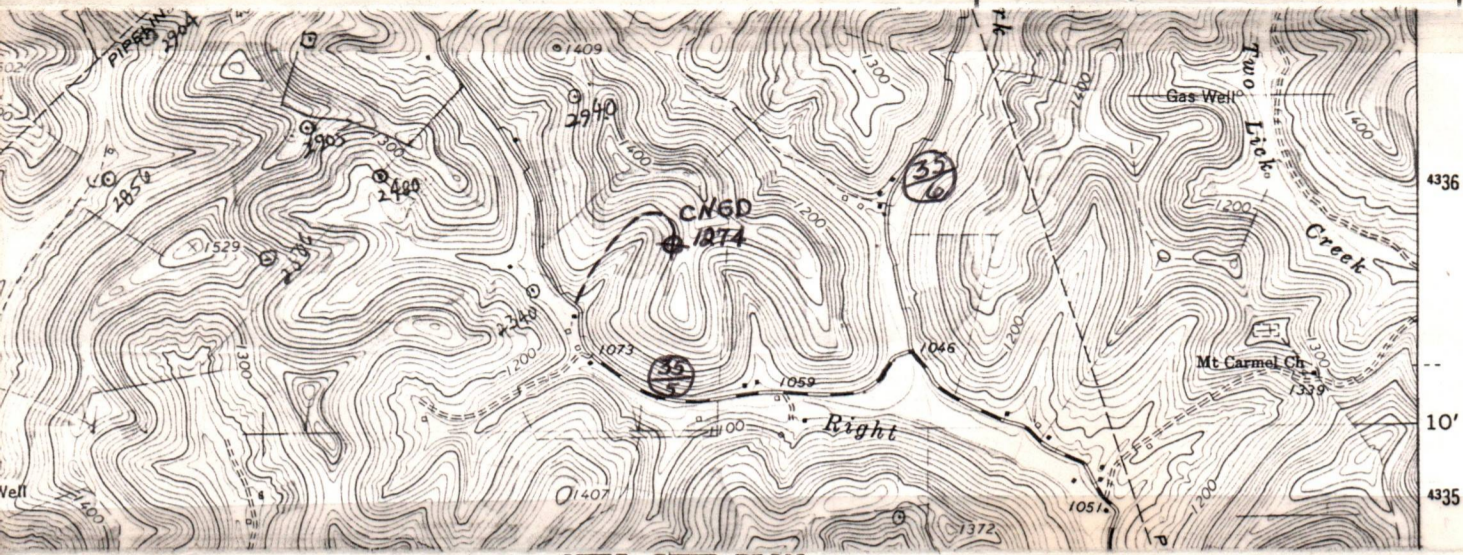
1. 208 Practices - Acceptable \_\_\_\_\_ Not Acceptable \_\_\_\_\_  
 Comments: \_\_\_\_\_
2. Compliance with general permit interim guidelines: Acceptable \_\_\_\_\_ Not Acceptable \_\_\_\_\_  
 Comments: \_\_\_\_\_
3. Division of Water Resources Action Taken: \_\_\_\_\_  
 Action Recommend: \_\_\_\_\_
4. Parameters (Prior to discharge(if any) at discharge):  
 pH 10.6 Total-Pb \_\_\_\_\_ TOC \_\_\_\_\_  
 Chloride \_\_\_\_\_ TSS \_\_\_\_\_ Conductivity \_\_\_\_\_  
 Total Fe 210 Total Cu \_\_\_\_\_
- 5-31-85

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Big Isaac 7.5 min.

LEGEND

Well Site ⊕

Access Road ———

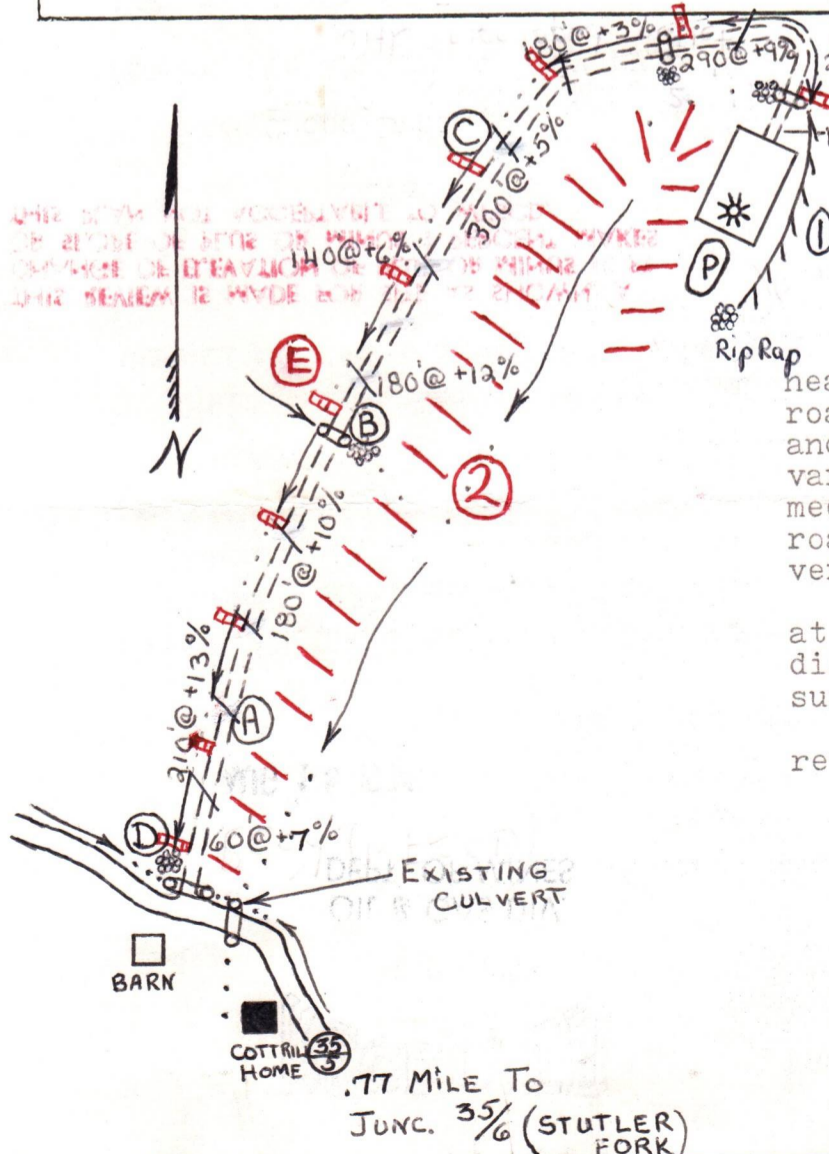


WELL SITE PLAN

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

LEGEND

Property boundary ———	Diversion ———
Road = = = = =	Spring ⊕ →
Existing fence — X — X —	Wet spot ⊕
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — →
Open ditch — ···· →	Waterway ← = = = =



This location is on a cleared bench near the head of a drain. The access road swings around the head of the hollow and angles down, over cleared land, at varying grades as illustrated left, to meet with Harr. Co. Rt. 35/5. Existing road bed will be utilized from the culvert labeled 'B' to the county road.

No livestock is present on the farm at this time. Care should be taken not to disturb springs on the farm that feed surrounding water wells.

Topsoil will be stockpiled for use in revegetation.

.77 Mile To JUNC. 35/6 (STUTLER FORK)

DATE August 15, 1984  
WELL NO. CNGD # 1274  
API NO. 047 - 033 - 3160

State of West Virginia

Department of Mines  
Oil and Gas Division



RECEIVED

AUG 1 1985

IV-9 (Rev 8-81)

OIL & GAS DIV.

DEPT. OF MINES

AUG 15 1984

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company

Address 1 Park Ridge Center

Pittsburgh, PA 15214

Telephone 412-429-2390

LANDOWNER Bryan Utter

Revegetation to be carried out by CNG Development Co. Gary Nicholas (Agent)

This plan has been reviewed by West Fork

and additions become a part of this plan:

(Date) 8/29/84

(SCD Agent) Gary A. Nicholas

DESIGNATED AGENT Gary A. Nicholas

Address Rt. 2, Box 698, Bridgeport, WV

Telephone 304-623-8833

SOIL CONS. DISTRICT West Fork

Revegetation to be carried out by CNG Development Co. Gary Nicholas (Agent)

This plan has been reviewed by West Fork

and additions become a part of this plan:

(Date) 8/29/84

(SCD Agent) Gary A. Nicholas

DESIGNATED AGENT Gary A. Nicholas

Address Rt. 2, Box 698, Bridgeport, WV

Telephone 304-623-8833

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This plan has been reviewed by West Fork

and additions become a part of this plan:

(Date) 8/29/84

(SCD Agent) Gary A. Nicholas

DESIGNATED AGENT Gary A. Nicholas

Address Rt. 2, Box 698, Bridgeport, WV

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 Cross Drain

From 3% grade (Every 200').

To 13% grade (Every 68').

Spacing with riprapped outlet

Page Ref. Manual 2-1

Structure Culvert

18 inch minimum (At natural drains)

Spacing Accord. to O & G Man.

with riprapped outlet

Page Ref. Manual 2-7

Structure Drainage Ditch

On upper road cuts

Spacing Accord. To O & G Man.

Page Ref. Manual 2-12

Structure Sediment Barrier (E)

Hay or straw bales (stacked)

Material Hay or straw bales (stacked)

Fig. Ref. Man. 2-16

Treatment Area I

Lime As determined by pH test

or correct to pH 6.5

Fertilizer (10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Seed\* Orchard Grass 10 lbs/acre

Red Clover 12 lbs/acre

Alfalfa Clover 4 lbs/acre

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

PLAN PREPARED BY LAND SURVEYING SERVICES

ADDRESS 1412 N. 18th Street

Clarksville, WV 26301

PHONE NO. 304-623-1214

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

Structure Rip-Rap

Material Stone or Timber

Page Ref. Manual 2-9

Structure Access Road

Material Undisturbed natural vegetation

Spacing Accord. to O & G Man.

Page Ref. Manual 2-16

Structure Filter Strip

Material Undisturbed natural vegetation

Spacing Accord. to O & G Man.

Page Ref. Manual 2-12

Structure Diversion Ditch

Material Earthen

Spacing Accord. to O & G Man.

Page Ref. Manual 2-12

Structure Hay or straw bales (stacked)

Material Hay or straw bales (stacked)

Fig. Ref. Man. 2-16

Treatment Area II

Lime As determined by pH test

or correct to pH 6.5

Fertilizer (10-20-20 or equivalent)

Mulch Hay or Straw 2 Tons/acre

Seed\* Orchard Grass 10 lbs/acre

Red Clover 12 lbs/acre

Alfalfa Clover 4 lbs/acre

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

PLAN PREPARED BY LAND SURVEYING SERVICES

ADDRESS 1412 N. 18th Street

Clarksville, WV 26301

PHONE NO. 304-623-1214

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

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:  
*Mr. & Mrs. Bryan Utter*  
*110 Monroe St.*  
*Salem, OH 44796*

4. Type of Service:      Article Number

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured	P580612425
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD	
<input type="checkbox"/> Express Mail		

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
*X Bryan Utter*

6. Signature - Agent  
*X*

7. Date of Delivery  
*1/29/85*

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

CARRIE 1977

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:  
*Eastern Associated Coal Co*  
*c/o R. R. Gallagher, Int Mgr.*  
*Hoppers Bldg.*  
*Dgh, Pa 15219*

4. Type of Service:      Article Number

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured	P580639011
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD	
<input type="checkbox"/> Express Mail		

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
*X*

6. Signature - Agent  
*X B. S. Gell*

7. Date of Delivery  
*1-25-85*

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

CARRIE 1977

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:  
*Mrs. Anita Hutton*  
*315 38th St.*  
*Murder, OH 45604*

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		

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
*X*

6. Signature - Agent  
*X I. J. Hutton*

7. Date of Delivery

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

CARRIE 1977

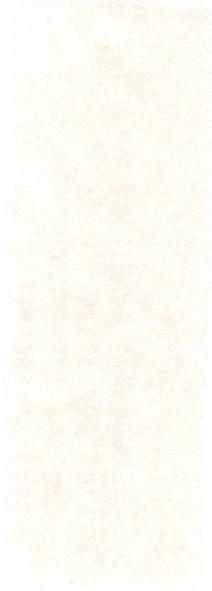
DOMESTIC RETURN RECEIPT

**RECEIVED**  
 JAN 25 1985  
 OIL & GAS DIV.  
 DEPT. OF MINES



22

22



22

22



DEPT. OF MINES  
DIR. S. G. DIA.

22

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

Superior Wireline Perforated Alexander - 5178 - 85, 10 holes, .39  
 Benson - 4834 - 41, 10 holes, .39  
 Balltown - 3661 - 3800, 12 holes, .

Halliburton 75Q Foam 1st Stage - Break 2400, Avg HHP (# pumps) 2, Avg Rate (BPM) 16,  
 Avg psi 3600, 500 Gal 15% HCL, 30,000# 20/40 Sand, 392 BBL Fluid, 2620 ISIP, Total  
 Nitrogen (SCF) 360,000.

2nd Stage - Break 3400, Avg HHP (# pumps) 2, Avg Rate (BPM) 16,  
 Avg psi 3300, 500 gal 15% HCL, 60,000# 20/40 Sand, 688 BBL Fluid, ISIP 2350, Total  
 Nitrogen (SCF) 615,000

3rd Stage - Break 2100, Avg HHP (# pumps) 2, Avg Rate (BPM) 20,  
 Avg psi 2700, 500 gal 15% HCL, 50,000# 20/40 Sand, 665 BBL Total Fluid, ISIP 1310, Total  
 Nitrogen 465,000

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Clay			0	3	1/2" stream water @ 20'
Sand, Shale & RR			3	202	525'
Coal			202	205	Hole Damp @ 1920'
Sand, Shale & RR			205	1920	1/4" stream water @ 2005'
Lime & Injun			1920	2120	
Sand & Shale			2120	5450	
<u>LOG TOPS</u>					
B. Lime/B. injun			1945	2110	
Berea			2302	2326	
Gord. St./Gordon			2503	2612	
4th			2618	2664	
5th/L. 5th			2814	2858	
U. Speechley/Speechley			3510	3558	
Balltown			3648	3809	
Bradford			4140	4316	
Riley			4480	4722	
Benson			4830	4844	
Alexander			5110	5247	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:

Date:

June 17, 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)

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JUL 10 1985

OIL & GAS DIV.  
DEPT. OF MINES



State of West Virginia  
Department of Mines  
Oil and Gas Division

Date June 17, 1985  
Operator's  
Well No. CNGD WN 1274  
Farm McKinley  
API No. 47 - 033 - 3160

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: 1294' Watershed Right Fork of Kincheloe Creek  
District: Union County Harrison Quadrangle Big Isaac 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 Bryan Utter  
ADDRESS 110 Monroe Street  
Salem, WV 26426  
MINERAL RIGHTS OWNER Eugene Rex Currey  
ADDRESS \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
<del>18-10"</del> 11-3/4"	167	167	To Surf
9 5/8			
8 5/8	1608	1608	To Surf
7			
5 1/2			
4 1/2	5385	5385	490 sks
3			
2			
Liners used			

OIL AND GAS INSPECTOR FOR THIS WORK  
Stephen Casey ADDRESS Rt. 2 Box 232-D  
Jane Lew, WV 26378  
PERMIT ISSUED February 22, 1985  
DRILLING COMMENCED May 16, 1985  
DRILLING COMPLETED May 24, 1985

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

GEOLOGICAL TARGET FORMATION Alexander Depth 5400 feet  
Depth of completed well 5450 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 20 feet; Salt 1920 feet  
Coal seam depths: 202 - 205 Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Alexander Pay zone depth 5178 - 85  
Benson 4834 - 41  
Balltown Pay zone depth 3661 - 3800 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 855 Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1200 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)

HARRIS 3160

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

**RECEIVED**  
MAY 24 1985

OIL & GAS DIVISION

**INSPECTOR'S WELL REPORT DEPT. OF MINES**

Permit No. 33-3160

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company CN G Devel.  
 Address \_\_\_\_\_  
 Farm B. Utter  
 Well No. 1274  
 District Union County Harv.  
 Drilling commenced 5-16-85  
 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 20 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 11 3/4 SIZE 167' No. FT. 1205Ks. Date \_\_\_\_\_  
 NAME OF SERVICE COMPANY Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Drillers' Names SWJ 15

Remarks:

5-17-85  
DATE

Steve Casey  
DISTRICT WELL SUPERVISOR

Form 26  
2/16/82

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

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JAN 18 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.

DISTRICT WELL INSPECTOR

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

RECEIVED

MAY 28 1985

INSPECTOR'S WELL REPORT OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 33-3160

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>CNG Drilling</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>utter</u>	16			Kind of Packer _____
Well No. <u>1274</u>	13			
District _____ County <u>Harrison</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 3/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 5/8</u> SIZE <u>1608</u> No. FT. <u>385</u> SKS. <u>1608</u> Date _____			
Fresh water <u>525</u> feet <u>628</u> feet	NAME OF SERVICE COMPANY <u>Halleburton</u>			
Salt water <u>1975</u> feet <u>2005</u> feet	COAL WAS ENCOUNTERED AT <u>202</u> FEET <u>36</u> INCHES			
	FEET	INCHES	FEET	INCHES
	FEET	INCHES	FEET	INCHES

Drillers' Names SWJ 15

Remarks: dr. at 2440

5-22-85

DATE

Steve Casey

DISTRICT WELL INSPECTOR

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ OIL & GAS DIVISION

Well No. \_\_\_\_\_

COMPANY DEPT. OF MINES

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.



30 SEP 85 11:21

REC'D - CHAS.

**State of West Virginia**  
**Department of Mines**  
**Oil and Gas Division**  
**Charleston 25305**

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT

COMPANY CNG Development

PERMIT NO 33-3160 (2-22-85)

FARM & WELL NO after - 1274

DIST. & COUNTY Union Harb.

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input type="checkbox"/>	<input type="checkbox"/>

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 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...  
Administrator-Oil & Gas Division

October 3, 1985  
DATE



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

RECEIVED  
JUN 7 - 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 33-3160

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company CNG Devls.  
 Address \_\_\_\_\_  
 Farm B utter  
 Well No. 1274  
 District Union County Harr.  
 Drilling commenced \_\_\_\_\_  
 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 15

Remarks: Called out on comp. by B. Coffindaffer of pit spill. Water resources had OK'd release - no spill but considerable soap suds in stream  
7:00 PM

5-31-85  
DATE

Steve Casey  
DISTRICT WELL INSPECTOR

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 \_\_\_\_\_

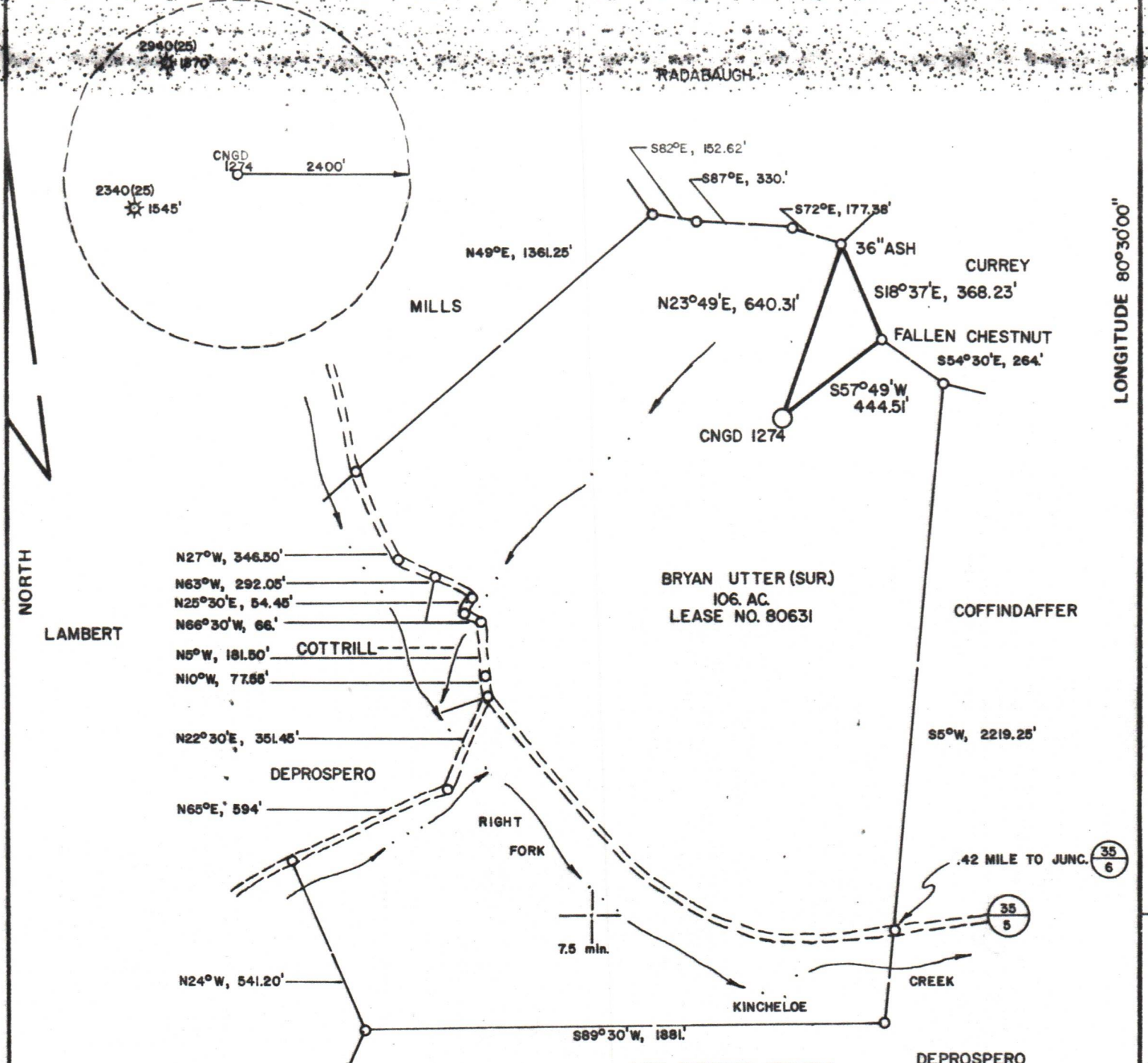
Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names \_\_\_\_\_

Remarks:

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

\_\_\_\_\_ DISTRICT WELL INSPECTOR



LAMBERT

NORTH

LONGITUDE 80°30'00"

WELL REFERENCES:

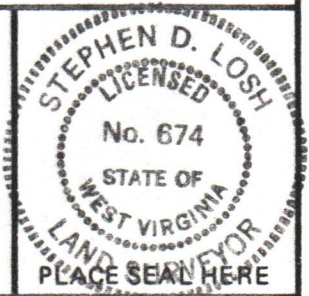
N38°15'E, 153' TO 2" HICKORY  
S42°E, 118' TO 3" WALNUT

LAND SURVEYING SERVICES

1412 NORTH 18 TH ST.  
CLARKSBURG, WV 26301  
PHONE: 304-623-1214

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION ROAD INTERSECTION  
 1400' SW OF LOC. ELEV 1073'

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) *Stephen D. Losh*  
 R.P.E. \_\_\_\_\_ L.L.S. NO. 674  
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE AUGUST 24, 1984  
 OPERATOR'S WELL NO. CNGD 1274  
 API WELL NO. 47-033-3160  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1294' WATER SHED RIGHT FORK OF KINCHELOE CREEK  
 DISTRICT UNION COUNTY HARRISON  
 QUADRANGLE BIG ISAAC 7.5 min.  
 SURFACE OWNER BRYAN UTTER ACREAGE 106.  
 OIL & GAS ROYALTY OWNER EUGENE REX CURREY LEASE ACREAGE 106  
 LEASE NO. 80631  
 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 5400'  
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
 ADDRESS 1 PARK RIDGE CENTER ADDRESS CROSSWIND CORP. PARK, ROUTE 2, BOX 698  
 PITTSBURGH, PA. 15244 BRIDGEPORT, WV 26330

200 9/4/84 EST 9/1/84