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

1) Date: February 7, 19 85
2) Operator's Well No. 1168
3) API Well No. 47 -033-3195
State County Permit

- 4) WELL TYPE: A Oil / Gas
B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1243.7' / Watershed: Bennett Run
District: Eagle 4 / County: Harrison / Quadrangle: Wallace 7.5' 65-4
- 6) WELL OPERATOR CNG Development Company
Address c/o Paul W. Garrett, P.O. Box 15746
Pittsburgh, PA 15244
- 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 / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Benson
- 12) Estimated depth of completed well, 4750 feet
- 13) Approximate strata depths: Fresh, 632, 1287 feet; salt, - feet.
- 14) Approximate coal seam depths: 117, 133 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									
Fresh water	11-3/4	H-40	42	X		40	40	To surface	Kinds By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	X		1350	1350	To surface	By Rule 15.05
Production	4-1/2	J-55	10.5	X		4750	4750	200-400 sks	Depths set By Rule 15.01
Tubing	1-1/2	CN-55	2.75	X					Perforations: Top Bottom
Liners									

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-033-3195 Date April 29, 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 April 29, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 28	Agent: MUMU	Plat: MUMU	Casing: MUMU	Fee: 6097
----------	-------------	------------	--------------	-----------

Margaret J. Hasse
Administrator, Office of Oil and Gas

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

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

File

4/25

OFFICE USE ONLY

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

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 Page</u>
Louisa C. Robinson and D. D. Robinson	Hope Natural Gas Co.	1/8	180 381



1) Date: March 5, 1985, 19 85
2) Operator's Well No. 1168
3) API Well No. 47 033-3195
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 Perry Williams
Address Box 276
Lumberport, WV 26386
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR

Address _____

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

Name Robey Run Coal
Address c/o McNeer, Highland and McMunn
Empire Bank Building
Name Clarksburg, WV 26301
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 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 Garrett

this 5 day of March, 19 85

My commission expires 12/19, 19 88

Carl S. Monahan
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

OIL & GAS DIVISION
DEPT. OF MINES

APR - 9 1985

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CASE 4

APPLICATION
NY General NPDES Permit for Oil & Gas
Drilling PIT Waste Discharge

Permit No. _____
037
6-19-85 033-3195

1) APPLICATION (To Be Completed By Company)

Harrison

- Company Name J+J Enterprises
Mailing Address P.O. Box 48 Buckhannon W.V.
Telephone 472-9403 Mail Name CNG 1270
- Name of stream that may be discharged to: _____
A tributary of: N/A
- Treatment and method of pit disposal most likely to be utilized (method not necessarily restricted to this):
Land Application
- Name of person supervising discharge: Charles T Krushnicky
Telephone 291-5960 Date Approved _____
- 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.

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OIL & GAS DIVISION
DEPT. OF MINES

Signature _____ Date _____

2) NOTIFICATION (To Be Completed By DWR)

- Initial Company contact: (Approximately 7 days prior to discharge)
Date _____ Individual Vic head
Proposed discharge date 6-10-85
Type of disposal method selected land app
Volume of waste 100,000 GAL Discharge rate 100 GPM CFS
Time projected for discharge 2 DAYS DAYS
Receiving Stream flow rate N/A CFS
Objection _____ No Objection
- Final Company contact: (48 hours required notice)
Date 6-8-85 Individual S. Perkins
Final discharge date 6-10-85
Objection _____ No Objection

INSPECTION (To Be Completed By DWR)

- 208 Practices - Acceptable Not Acceptable _____
Comments: _____
- Compliance with general permit interim guidelines: Acceptable Not Acceptable _____
Comments: Pit has large amt of oil on surface - 6-10-85
Drilling Pit Construction Very Good - 6-10-85
- Division of Water Resources Action Taken: None
Action Recommend: None
- Parameters (Prior to discharge (if any) at discharge):
PH 7.0 Total-Pb _____ TOC _____
Chloride _____ TSS _____ Conductivity _____
Total Fe <30 Total Cu _____

Sam Perkins 6-10-85

FARM J. Allen Swiger Estate, DISTRICT Eagle

COUNTY Harrison

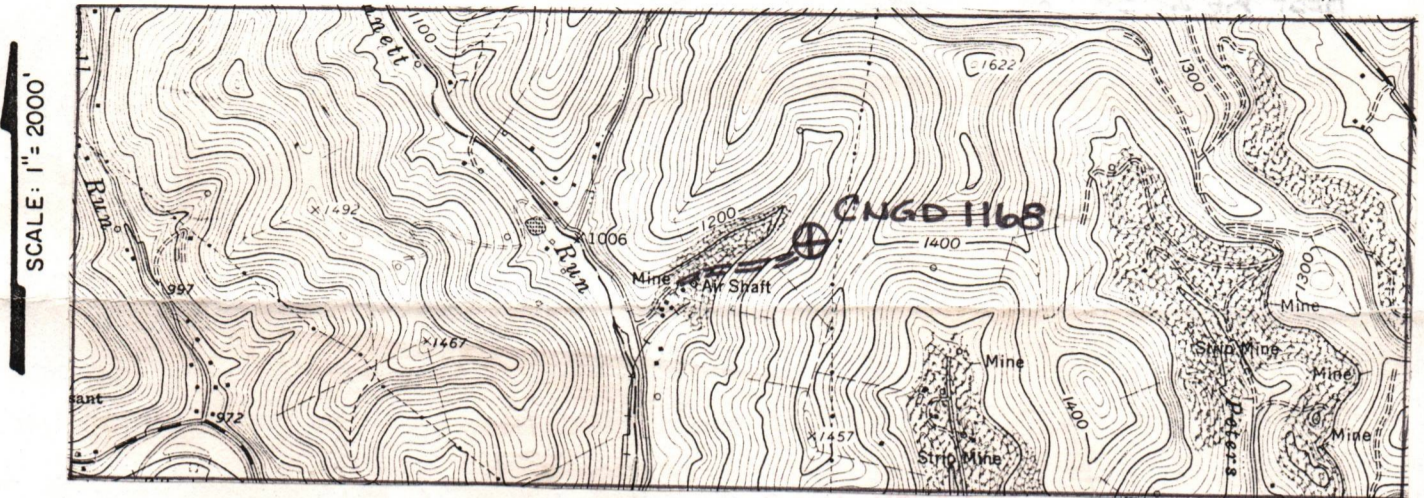
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Wallace 7.5'

LEGEND

Well Site ⊕

Access Road ===

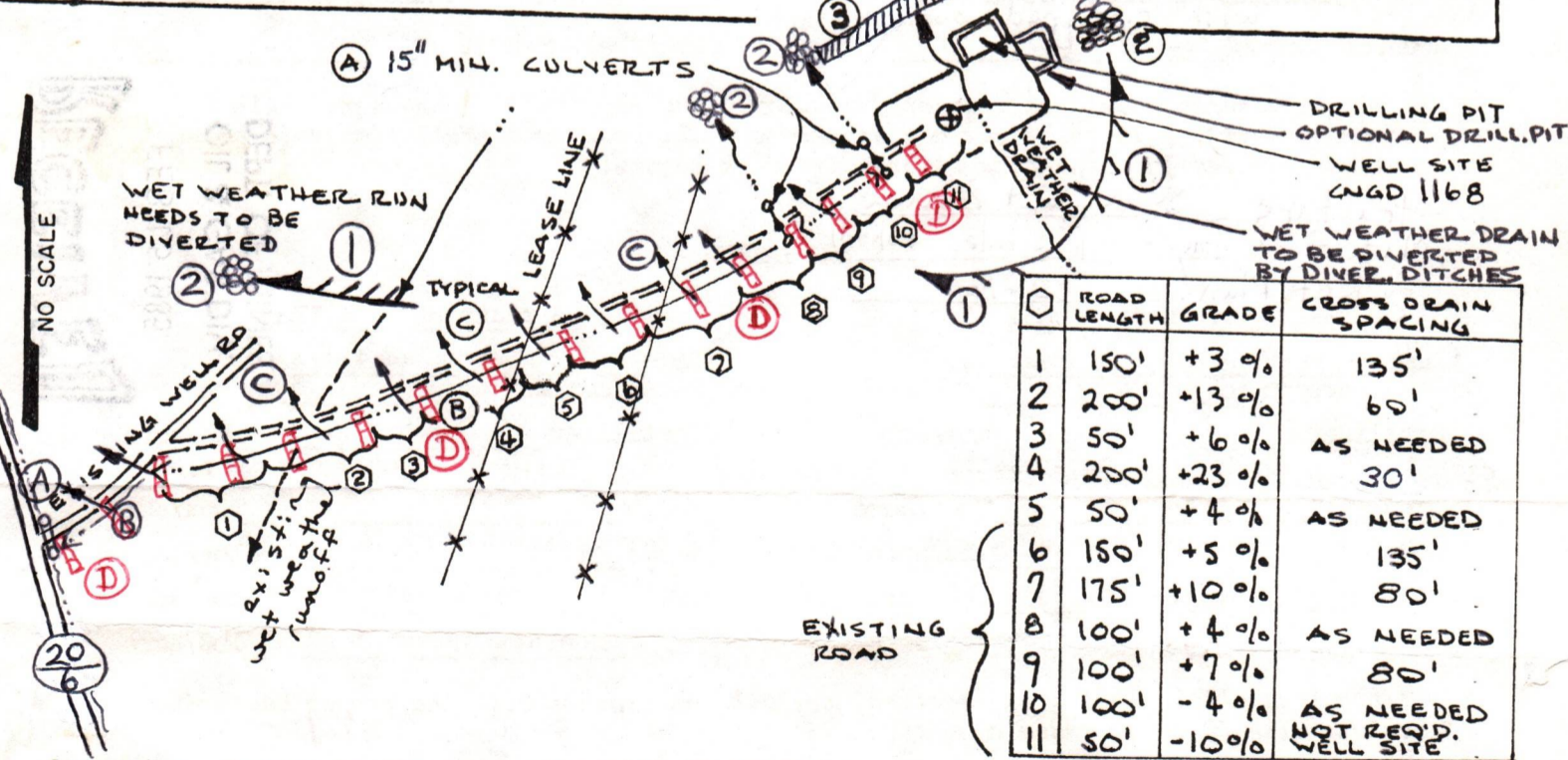


WELL SITE PLAN

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 ⊕ ⊕ ⊕ ⊕



Comments: Access to the well site will be gained by constructing approximately 1325' of access road from an intersection point in an existing well 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)

OIL & GAS DIV.
DEPT. OF MINES
DEPT. OF MINES (CD)

SEP 13 1984



State of West Virginia
Department of Mines
Oil and Gas Division

DATE September 11, 1984
WELL NO. CNGD-1168
API NO. 47 - 033 - 3195

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company
Address One Park Ridge Center
Pittsburgh, PA 15244
Telephone (412) 429-2390
LANDOWNER Perry C. & Marie Williams

DESIGNATED AGENT Gary A. Nicholas
Address Crosswind Corporate Park
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: 9/28/84 (Date)

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.

Kenneth E Knight
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Steel Road Culverts (15" min. I.D.) (A)
At natural drains
Spacing According to O & G Manual
with riprapped outlet
Page Ref. Manual 2-7 to 2-11

Structure Diversion Ditch (1)
Material Earth
Page Ref. Manual 2-12 to 2-15

Structure Drainage Ditch (B)
Along access road
Spacing Inside road cuts
Page Ref. Manual 2-12 to 2-15

Structure Rip Rap (2)
Material Rock
Page Ref. Manual N/A

Structure Cross Drains (C)
Spacing See sketch on back
with riprapped outlet
Page Ref. Manual 2-1 to 2-4

Structure Sediment Barrier (3)
Material Hay or straw bales (staked)
Page Ref. Manual 2-16 to 2-20

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
Material Hay or straw bales (staked)
Pg. Ref. Man. 2-16
Treatment Area I

REVEGETATION

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

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 MSES Consultants, Inc.

ADDRESS 609 West Main Street
Clarksburg, WV 26301

PHONE NO. 304-624-9700 or
304-842-3325 (24-hour)

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

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OIL & GAS DIV.
DEPT. OF MINES

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:

*Raley Run Coal Co.
c/o Mrs. Ann Highland
Empire Bank Building
Clarksburg WV. 26301*

4. Type of Service:

- Registered Insured
- Certified COD
- Express Mail

Article Number

P.53 537 250

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee

X

6. Signature - Agent

X

L. Vorkonda

7. Date of Delivery

APR - 1 1985

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

8911 D96D DOMESTIC RETURN RECEIPT

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COAL & GAS DIVISION
DEPT. OF MINES

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 Perry Williams
Box 276
Lumberport, WV 26386

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P580 639 050

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X Marie Williams

6. Signature - Agent
X

7. Date of Delivery
2-12-85

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

DOMESTIC RETURN RECEIPT

CUGD 1168

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:
Consolidated Coal Company
Consol Plaza
Pittsburgh, PA 15241

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD P580 639 051

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X

6. Signature - Agent
X J. E. Martin

7. Date of Delivery
2-8-85

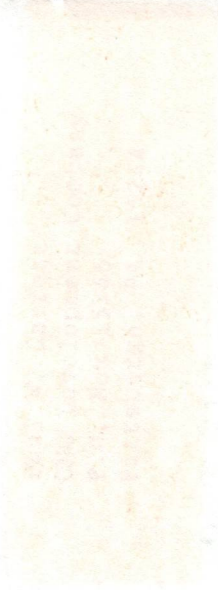
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

CUGD 1168



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OIL & GAS DIV.
DEPT. OF MINES



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FEB 12 1882

DEPT. OF WILDLIFE
OIL & GAS DIV.

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

Perfco ran Corrllog & Perf. Benson 4622 - 4626; 10 holes (.39)
 Halliburton Water Frac Benson - Break 2200, Avg TPSI 3200, Avg Rate 25 BPM, HHP used 1960, Screened off @ 3#/gal ISI 3800, used 32,000# 20/40 Sand.
 Perfco Perf. Balltown 3473 - 3478, 8 holes; 3494, 1 hole and 3496, 1 hole (.39)
 Halliburton Water Frac Balltown - Break 1800, Avg TPSI 2100, Avg Rate 25 BPM, HHP used 1286, ISI 1200, 5 min 1200, used 45,000# 20/40 Sand.
 Perfco Perf Speechley Sand 3005 - 3008, 3 holes; 3146, 3147, 3154, 3155, 3156, 3170 and 3171. (.39)
 Halliburton Water Frac Speechley - Break 2800, Avg TPSI 3000, Avg Rate 30 BPM, HHP used 2095, ISI 1800, 5 min 1500, used 40,000# 20/40 Sand.

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	33	Water @ 200' - 1"
Sand & Shale			33	190	690' - 1/2"
Lost Circulation			190	191	910' - 1"
Sand, Shale & RR			191	990	
Coal			990	995	
Sand, Shale & RR			995	1510	
Big Lime & Injun			1510	1650	
Sand & Shale			1650	4762	
<u>LOG TOPS</u>					
B. Lime/B. Injun			1519	1663	
Pocono			1693	1717	
50'			2147	2188	
30'			2226	2250	
Gord. Stray/Gordon			2280	2385	
4th			2390	2452	
Warren			2924	2964	
U. Speechley/Speechley			3132	3270	
Balltown			3382	3523	
Bradford			3900	4026	
Riley			4263	4484	
Benson			4620	4630	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:

[Signature]

Date:

June 12, 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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**OIL & GAS DIV.
DEPT. OF MINES**

State of West Virginia
Department of Mines
Oil and Gas Division

Date June 12, 1985
Operator's Well No. CNGD WN 1168
Farm Robinson
API No. 47 - 033 - 3195

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: 1243.7 Watershed Bennett Run
District: Eagle County Harrison Quadrangle Wallace 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 Perry C. & Marie Williams

ADDRESS Box 276
Lumberport, WV 26386

MINERAL RIGHTS OWNER J. Nelson Swiger Est., et al

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

Stephen Casey ADDRESS Rt. 2 Box 232-D
Jane Lew, WV 26378

PERMIT ISSUED April 29, 1985

DRILLING COMMENCED May 20, 1985

DRILLING COMPLETED May 30, 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.			
11-3/4 11-3/4	214	214	To Surf.
9 5/8			
8 5/8	1395	1395	To Surf
7			
5 1/2			
4 1/2	4736	4736	470 sks
3			
2 1-1/2	4609	4609	-----
Liners used			

GEOLOGICAL TARGET FORMATION Benson Depth 4750 feet

Depth of completed well 4762 feet Rotary X / Cable Tools _____

Water strata depth: Fresh 200 feet; Salt _____ feet

Coal seam depths: 990 - 995 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Benson Pay zone depth 4622-4626 feet
Balltown
Speechley 3005-3171

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

Final open flow 411 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 790 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)

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

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INSPECTOR'S WELL REPORT
OIL & GAS DIVISION

Permit No. 33-3195

DEPT. OF MINES
Oil or Gas Well
(KIND)

Company <u>CNG Dev't.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>P Williams</u>	16			Kind of Packer _____
Well No. <u>1168</u>	13			
District <u>Eagle</u> County <u>Harr.</u>	10			Size of _____
Drilling commenced <u>5-20-85</u>	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.				
Fresh water <u>200</u> feet <u>690</u> feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 11 3/4 SIZE 2 1/4 No. FT. 155 Date 5/23/85
 NAME OF SERVICE COMPANY Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES
 _____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names SWJ 1

Remarks: lost circulation briefly at 155-162' but found open shaft 172-192

5-22-85
DATE

Steve Casey
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

RECEIVED
FEB 23 1982
STATE DEPT. OF MINES

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

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

RECEIVED
MAY 29 1985

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

Permit No. 33-3195

Oil or Gas Well _____
(KIND)

Company CNG Serv.
 Address _____
 Farm William's
 Well No. 1168
 District _____ County Harrison
 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 1

Remarks: 8 5/8 1395' 336 SK. Halliburton

5-24-85
DATE

Steve Casco
DISTRICT WELL INSPECTOR

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



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 Devco

PERMIT NO 33-3195 (4-29-85)

FARM & WELL NO Willem's 1163

DIST. & COUNTY Cagle Harri

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. L. ...
Administrator-Oil & Gas Division

October 3, 1985
DATE

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

RECEIVED

JUN 24 1985

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)		47 - 033	03195		
2.0 Type of determination being sought: (Use the codes found on the front of this form.)		103	Section of NGPA	Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)		4,626	feet		
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)		CNG Development Company			
		Name One Park Ridge Center			Seller Code
		P. O. Box 15746			
		Street Pittsburgh			PA 15244
		City			State Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)		Eagle District			
		Field Name			
		Harrison		WV	
		County		State	
(b) For OCS wells:		Area Name		Block Number	
		Date of Lease:		OCS Lease Number	
		Mo. Day Yr.			
(c) Name and identification number of this well: (35 letters and digits maximum.)		Robinson		CNGD #1168	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)					
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)		Undetermined			
		Name			
(b) Date of the contract:		Buyer Code			
		Mo. Day Yr.			
(c) Estimated total annual production from the well:		15		Million Cubic Feet	
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	-----	-----	-----	-----
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	3 . 4 9 8	-----	-----	-----
9.0 Person responsible for this application:					
Agency Use Only Date Received by FERC	Name R. N. Metzler		Manager Reserves		
Date Received by Agency JUN 24 1985	Signature <i>R. N. Metzler</i>		Title		
Date Received by FERC	6/21/85		412-787-4092		
	Date Application is Completed		Phone Number		

FERC-121 (8-82)

JUL 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: June 21, 19 85

10110

AGENCY USE ONLY

Applicant's Name: CNG Development Company
Address: One Park Ridge Center
P.O. Box 15746
Pittsburgh, PA 15244
Attn: Carl G. Mourovic

WELL DETERMINATION FILE NUMBER
850624-1030-033-3195
Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. N/A

Date of Contract N/A
(Month, day and year)

First Purchaser: undetermined P629

Designated Agent: Gary A. Nicholas
Address: CNG Development Company
Crosswind Corporate Park
Route 2 Box 698
Bridgeport, WV 26330

Address: _____
(Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code _____

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Robert N. Metzler _____
(Print) (Title)
Signature: [Signature] _____

Address: One Park Ridge Center - P.O. Box 15746
(Street or P.O. Box)
Pittsburgh, PA 15244
(City) (State) (Zip Code)
Telephone: (412) 787-4092
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 103 New Onshore Production Well
 - x 103 New Onshore Production Well
- 107 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildu

AGENCY USE ONLY

QUALIFIED

RECEIVED

JUN 24 1985

OIL & GAS DIV.
DEPT. OF MINES

Date Received

Determination Date

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

Date June 21, 1985
Operator's
Well No. #1168
API Well No.
47 - 033 - 03195
State County Permit

WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Gary A. Nicholas
CNG Development Company
ADDRESS Crosswind Corporate Park
Route 2 Box 698
Bridgeport, WV 26330

WELL OPERATOR CNG Development Company
One Park Ridge Center
ADDRESS P.O. Box 15746
Pittsburgh, PA 15244

LOCATION: Elevation 1243'
Watershed Bennett Run
District Eagle County Harrison Wallace
Gas Purchase Contract No. N/A
Meter Chart Code N/A
Date of Contract N/A

GAS PURCHASER undetermined
ADDRESS _____

* * * * *

Date surface drilling was begun: 5/20/85

Indicate the bottom hole pressure of the well and explain how this was calculated:

BHP = 887#
BHP = P₋₁ + P₋₁ (e GL 53.34 T₋₁)

AFFIDAVIT

I, Robert N. Metzler, having been first sworn according to law, state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

R. N. Metzler
R. N. Metzler
Manager Reserves

Pennsylvania
STATE OF ~~WEST VIRGINIA~~
COUNTY OF Allegheny, TO WIT:

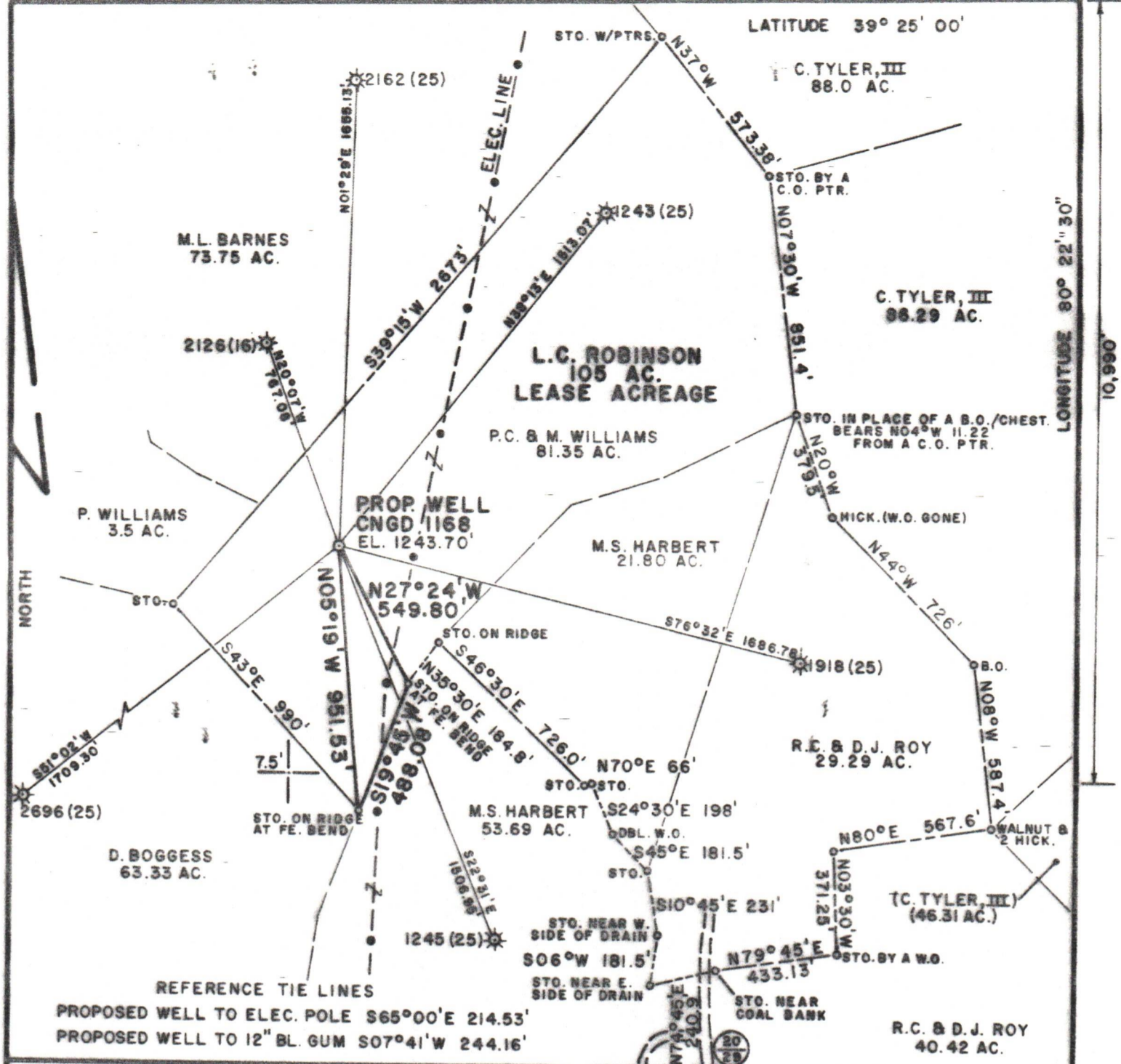
I, Carl G. Mourovic, a Notary Public in and for the state and county aforesaid, do certify that R. N. Metzler, whose name is signed to the writing above, bearing date the 21st day of June, 19 85, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of June, 19 85.

My term of office expires on the 19th day of December, 19 88.

[NOTARIAL SEAL]

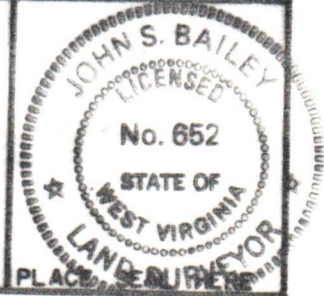
Carl G. Mourovic
Notary Public



REFERENCE TIE LINES
 PROPOSED WELL TO ELEC. POLE S65°00'E 214.53'
 PROPOSED WELL TO 12" BL. GUM S07°41'W 244.16'

FILE NO. MSE84-523
 DRAWN BY PJD
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION USGS DISK AT INT. CO. RTS. 20/6 & 6/4 2450' W OF LOC. - EL. 1006

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
 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 9, 1984
 OPERATOR'S WELL NO. CNGD 1168
 API WELL NO. 47-033-3195
 STATE 47 COUNTY 033 PERMIT 3195

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1243.70' WATER SHED BENNETT RUN
 DISTRICT EAGLE COUNTY HARRISON
 QUADRANGLE WALLACE 7.5' 1960 (1978)
 SURFACE OWNER PERRY C. & MARIE WILLIAMS ACREAGE 81.35
 OIL & GAS ROYALTY OWNER J. NELSON SWIGER ESTATE, ET AL. LEASE NO. 13264 LEASE ACREAGE 105
 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 BENSON ESTIMATED DEPTH 4750'
 WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15219 BRIDGEPORT, WV 26330

LONGITUDE 80° 22' 30" 10.96' 101
 033-3195