

FILE COPY
RECEIVED
MAR 26 1985



1) Date: March 18, 19 85
2) Operator's Well No. 1615
3) API Well No. 47 - 017 - 3429
State County Permit

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

OIL & 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: 1254.33 Watershed: Traugh Fork
District: Greenbrier County: Doddridge Quadrangle: Big Isaac
- 6) WELL OPERATOR CNG Development Company 10110 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 Mike Underwood Name Sam Jack Drilling Co.
Address Rt. 2, Box 114 Address P.O. Box 48
Salem, WV 26426 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, 5575 feet
- 13) Approximate trata depths: Fresh, - 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	1 1/4	H-40	42	X		40	40	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8-5/8	X-42	23	X		1450	1450	To Surface	By Rule 15.05
Production	4-1/2	J-55	10.5	X		5575	5575	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 47-017-3429

April 12, 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 April 12, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>28</u>	Agent: <u>SW</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>7556</u>
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Margaret J. Gasse
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 05/10/2024

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MAR 26 1985



IV-9
(Rev 8-81)

OIL & GAS DIVISION

DEPT. OF MINES State of West Virginia

DATE December 14, 1984

WELL NO. CNGD-1615

API NO. 47 - 017 - 3429

Rec'd. (WFSCD)
DEC 17 1984

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

DESIGNATED AGENT Gary A. Nicholas
Address Route 2, Box 698
Bridgeport, WV 26330
Telephone (304) 623-8840

LANDOWNER Louis W. Curkendall
Revegetation to be carried out by Gary A. Nicholas

SOIL CONS. DISTRICT West Fork
(Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 1/16/85 (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

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 Filter Strip (2)
Material Natural vegetation
Page Ref. Manual 2-16 to 2-17

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

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
Page Ref. Manual 2-16 to 2-20

REVEGETATION

Treatment Area I

Treatment Area II

Lime according to soil test to correct to pH 6.5

Lime according to soil test to correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Hay or Straw 2.0 Tons/acre

Mulch Hay or Straw 2.0 Tons/acre

Seed* Ky 31 Tall Fescue 40 lbs/acre

Seed* Ky 31 Tall Fescue 40 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Dom Rye Grass 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.

SJK HDW

PLAN PREPARED BY MSES Consultants, Inc.

05/10/2024

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

ADDRESS 609 West Main Street

Clarksburg, WV 26301

PHONE NO. 304-624-9700 or

304-842-3325 (24-hour)

FARM W. W. Sadler

DISTRICT Greenbrier

COUNTY Doddridge

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

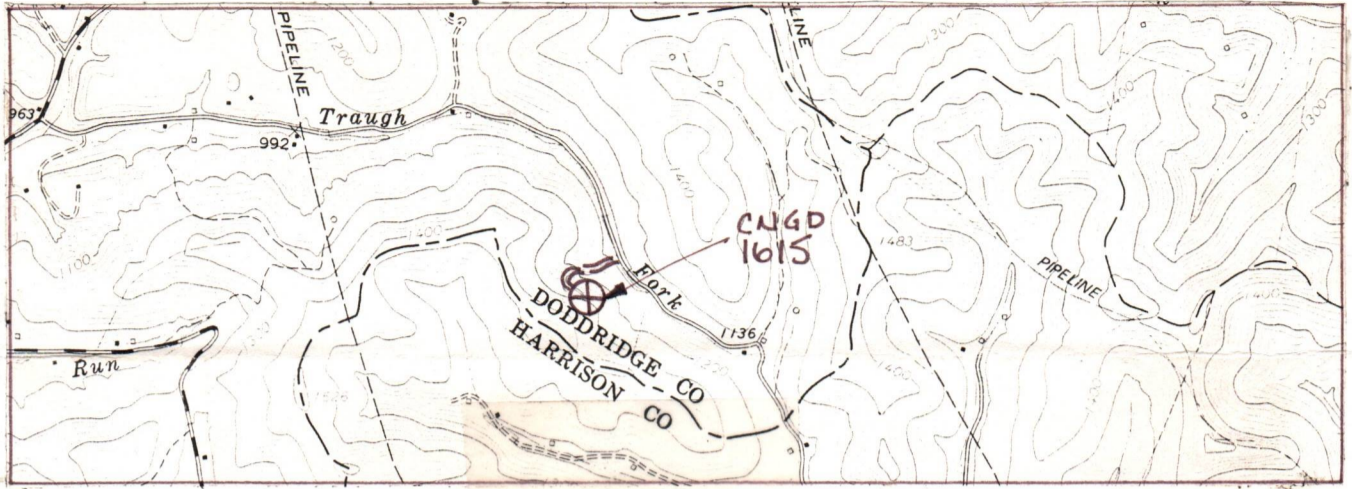
QUADRANGLE Big Isaac 7.5'

LEGEND

Well Site ⊕

Access Road ===

SCALE: 1" = 2000'



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site, 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 ⊕

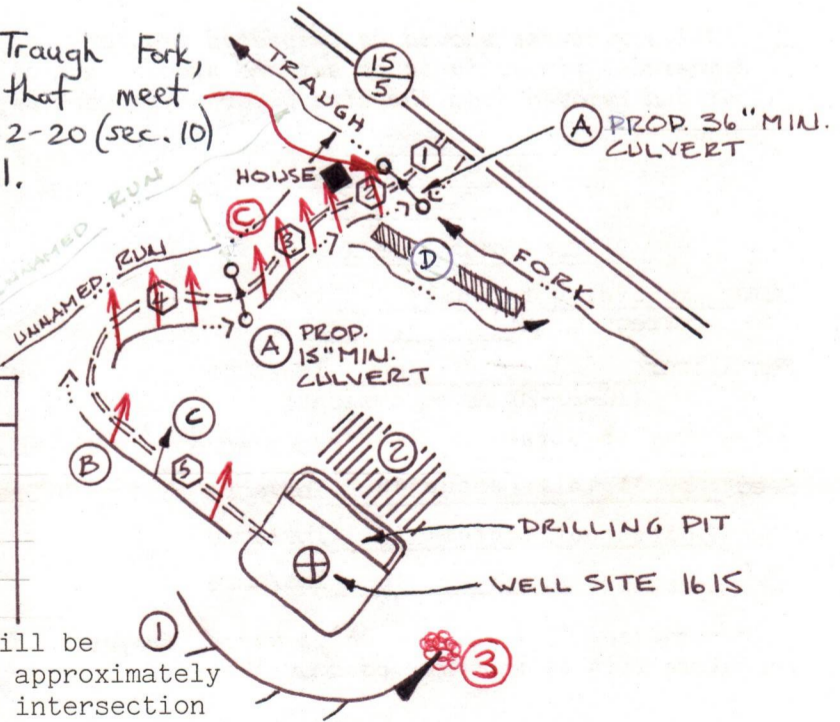
Building ■

Drain pipe — ○ — ○ — ○ — ○ —

Waterway ⇐ = = = = =

Note: When crossing Traugh Fork, construct structures that meet specifications on pg. 2-20 (sec. 10) in Oil & Gas Manual.

NO SCALE



○	ROAD	GRADE	CROSS DRAINS
1	40'	-1%	AS NEEDED
2	100'	+3%	"
3	300'	+28%	45' 30'
4	300'	+25%	45' 30'
5	350'	+10%	80'

OLD LOGGING ROAD

Comments: Access to the well site will be gained by upgrading and constructing approximately 1090' of access road beginning at an intersection point in Doddridge Co. Rt. 15/5.

05/10/2024

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. Place staked hay bales in ditch line for sediment control.

1) Date: March 18, 19 85
2) Operator's Well No. 1615
3) API Well No. 47-817-3429
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

5(i) COAL OPERATOR

(i) Name Lewis W. Curkendall
Address Rt. 2, Box 193
Bristol, WV 26332

Address _____

(ii) Name _____
Address _____

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

Name Willis G. Tetrick, Jr.,
Address Maxwell Y. Sutton and
The Union National Bank

(iii) Name _____
Address _____

Name c/o Willis G. Tetrick, Jr.
Address Box 267
Clarksburg, WV 26301

5(iii) COAL LESSEE WITH DECLARATION ON RECORD

Name Mr. Donald D. Born, Consolidation Coal Co.
Address North West Region, Vista Del Rio,
P.O. Box 1314, Morgantown, WV 26501

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:

Name Mr. Bryan Shally, Chevron Coal
Address Development Co., P.O. Box 7147
San Francisco, CA 94120-7147

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 day of March 18, 1985.

My commission expires 12/19, 1988.

Paul W. Garrett
Notary Public, Allegheny County,
State of Pennsylvania

WELL

OPERATOR CNG Development Company

By Paul W. Barrett
Its Manager, Well Programs

Address P.O. Box 15746
Pittsburgh, PA 15244

Telephone (412) 787-4090

OIL & GAS DIVISION
DEPT. OF MINES

MAR 26 1985

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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>
Walter W. Sadler	Consolidated Gas Supply Corporation	1/8	100 274



05/10/2024

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 Bryan Shally
Churn Coal Development Co.
P.O. Box 7147
San Francisco, Ca. 94130-7147*

4. Type of Service:

- Registered Insured
- Certified COD
- Express Mail

Article Number

P153 870 430

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

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

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

CNCD 16/15

DOMESTIC RETURN REC

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. Harold Born
Consolidation Coal Co.
North West Region
Gusta Hill Road P.O. Box 1314
Morgantown, WV. 26501*

4. Type of Service:

- Registered Insured
- Certified COD
- Express Mail

Article Number

P174 843 900

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

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

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



CARLE 16/15

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:

*Mr. Steve Curbendall
Rt 2, Box 193
Bristol, WV 26332*

4. Type of Service:

- Registered Insured
- Certified COD
- Express Mail

Article Number

P153 870 399

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

5. Signature - Addressee

Ken Curbendall

6. Signature - Agent

X

7. Date of Delivery

3/23/85

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



CARLE 16/15

DOMESTIC RETURN REC

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:

*Shelley S. Fetrick
Box 367
Clarksburg, WV 26301*

4. Type of Service:

- Registered Insured
- Certified COD
- Express Mail

Article Number

P153 870 400

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

5. Signature - Addressee

X

6. Signature - Agent

C.P. Wallace

7. Date of Delivery

MAR 20 1985

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

CARLE 16/15

DOMESTIC RETURN RECEIPT

05/10/2024

RECEIVED

MAR 26 1985

OIL & GAS DIVISION
DEPT. OF MINES

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

Perfco ran Corrlog & Perf. Alexander 5438-5443, 7 holes and 5420-5423, 3 holes (.39) HSC Select Fire Total 10 holes Halliburton Foam Frac (75Q) Alexander - Break 2450, TPSI 3300, Ave Rate 20 BPM, ISI 2200, used 500 gals 15% FE Acid & 45,000# 20/40 Sand, 475,000 SCF N2. Perfco Perf. Benson 5106-5108, 3 holes; 5101-5104, 4 holes; 5099, 1 hole; 5097, 1 hole; 5096, 1 hole, Total 10 holes (.39) HSC Select Fire Halliburton Foam Frac (75Q) Benson - Break 3700, Avg TPSI 3200, Ave Rate 20 BPM, ISI 2600, Used 500 gals 15% FE Acid & 45,000# 20/40 Sand & 490,000 SCF N2. Perfco Perf. Speechley 3791 - 3793, 4 holes; 3693 - 3696, 6 holes; Total 10 holes (.39) HSC Select Fire. Halliburton Foam Frac (75Q) Speechley - Break 2300, Avg TPSI 2900, Ave Rate 20 BPM, ISI 1550, used 500 gals 15% FE Acid, 40,000# 20/40 Sand & 400,000 SCF N2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil, Sand & Shale			0	270	Water @ 105' - 1"
Coal			270	275	480' - 1/2"
Sand, Shale & RR			275	2140	
L-Lime			2140	2150	Coal 270 - 275
Sand & Shale			2150	2180	
B-Lime			2180	2240	
Sand & Shale			2240	5575	
<u>LOG TOPS</u>					
Injun				2332	
Weir			2388	2495	
Sunbury			2560	2586	
Berea			2586	2622	
Warren			3380	3492	
Speechley			3782	3803	
Balltown			4213	4374	
Bradford			4644	4746	
Riley			5090	5150	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By:

Date:

October 16, 1985

05/10/2024

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."

✓ IR-26
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

4-12-85

WELL TYPE Shallow - GAS -
ELEVATION 1254'
DISTRICT GREENBATER
QUADRANGLE Big Isaac.
COUNTY Dodd -

API# 47-017 -3429-
OPERATOR C.M.G. Development Co.
TELEPHONE _____
FARM Lewis Wcurkenda
WELL # C.M.G. 1615

RECEIVED
DEPARTMENT OF ENERGY
OIL AND GAS

SURFACE OWNER _____ COMMENTS _____ TELEPHONE JUN 17 1986
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION 9-12-85 NOTIFIED yes. DRILLING COMMENCED 9-20-85

WATER DEPTHS 1" at 100', _____, _____, _____
COAL DEPTHS NO, _____, _____, _____

CASING

Ran 168' feet of 11 3/4" "pipe on 9-23-85 with 70-5 fill up H.B.
Ran 1479' feet of 8 3/8" "pipe on 9-25-85 with 308-5 fill up H.B.
Ran 5501' feet of 4 1/2" "pipe on 9-30-85 with 530-5 fill up H.B.
Ran _____ feet of _____ "pipe on _____ with _____ fill up _____
TD 5575' feet on 9-30-85

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 6-12-86

M. S. Anderson
Inspector's signature

05/10/2024

API# 47017 -3429.

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	9-12-85		Called-in - started location	
2	9-19-85		Visit Site, to check locat. with plans.	
3	9-23-85		Visit Site, for surface job.	
4	9-27-85		Visit Site, 3244' and dusting.	
5	9-30-85		Visit Site, R.S. check and T.O. Report.	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

O.K. to BRL

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 017 - 03429 -			
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.)	5,443 Feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	ONG Development Company Name One Park Ridge Center 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.)	Greenbrier District Field Name Doddridge WV County State			
(b) For OCS wells	Area Name _____ Block Number _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number _____			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Sadler CNGD #1615			
(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 Buyer Code			
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated total annual production from the well:	47 Million Cubic Feet			
		(a) Base Price	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]
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	3.565	_____	_____
9.0 Person responsible for this application:	R. N. Metzler Name Manager Reserves Signature Title 10/22/85 Date Application is Completed Phone Number 412-787-4092			

RECEIVED
 OCT 29 1985
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

FERC-121 (8-82)

05/10/2024

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

11458-55

NOV 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: October 22, 19 85 10110

AGENCY USE ONLY

WELL DETERMINATION FILE NUMBER

851029 -1030-017 -3429

Use Above File Number on all
Communications Relating to This Well

Applicant's Name: CNG Development Company

Address: One Park Ridge Center
P.O. Box 15746
Pittsburgh, PA 15244
Attn: Carl G. Mourovic

Gas Purchaser Contract No. N/A

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

First Purchaser: undetermined P629

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

(City) (State) (Zip Code)

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

FERC Seller Code _____

FERC Buyer Code _____

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

Name: Robert N. Metzler Manager of Reserves
(Print) (Title)

Signature: [Signature]

Address: One Park Ridge Center - P.O. Box 15746
(Street or P.O. Box)
Pittsburgh, PA 15244

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

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

- 103 New Onshore Production Well
- XX 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

AGENCY USE ONLY

QUALIFIED

05/10/2024

RECEIVED
OCT 29 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date October 22, 19 85
Operator's
Well No. #1615
API Well No.
47 - 017 - 03429
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 1,254'
Watershed Traugh Fork
Greenbrier Doddridge Big
District County Quad. Isaac

GAS PURCHASER undetermined
ADDRESS

Gas Purchase Contract No. N/A
Meter Chart Code N/A
Date of Contract N/A

* * * * *

Date surface drilling was begun: September 23, 1985

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

BHP = 454#
BHP = $P_1 + P_2$ (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

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 22nd day of October, 19 85, has acknowledged the same before me, in my county aforesaid. **05/10/2024**

Given under my hand and official seal this 22nd day of October, 19 85

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

[NOTARIAL SEAL]

Carl G. Mourovic
Notary Public

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

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 017 - 03429			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA	3 Category Code	<div style="border: 2px solid black; padding: 5px; transform: rotate(-5deg); display: inline-block;"> RECEIVED OCT 29 1985 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY </div>	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5,443			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Name: CNG Development Company One Park Ridge Center 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.)	Field Name: Greenbrier District County: Doddridge AV State:			
(b) For OCS wells	Area Name: _____ Block Number: _____ Date of Lease: _____ Mo. Day Yr. OCS Lease Number: _____			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Sadler CNGD #1615			
(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 Buyer Code			
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated total annual production from the well:	47 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 6.076	_____	_____	_____
9.0 Person responsible for this application:	Name: R. N. Metzler Signature: <i>R. N. Metzler</i> Date Application is Completed: 10-22-85 Title: Manager Reserves Phone Number: 412-787-4092			
Agency Use Only Date Received by Juris. Agency: OCT 29 1985 Date Received by FERC: _____				

FERC-121 (8-82)

05/10/2024

DEPARTMENT OF MINES, OIL AND GAS DIVISION

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: October 22, 1985

10110

AGENCY USE ONLY

Applicant's Name: CNG Development Company

WELL DETERMINATION FILE NUMBER

Address: One Park Ridge Center
P.O. Box 15746

851029 - 1073-017 - 3429

Pittsburgh, PA 15244

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 P 629

Designated Agent: Gary A. Nicholas

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

Address: CNG Development Company

(City) _____ (State) _____ (Zip Code) _____

Address: Crosswind Corporate Park

FERC Seller Code _____

FERC Buyer Code _____

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

Name: Robert N. Metzler

_____ Manager of Reserves

Signature: [Signature]

_____ (Title)

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
- 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
- xx 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
05/10/2024

RECEIVED
OCT 29 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received _____

Determination Date _____

DEVONIAN SHALE GAMMA RAY LOG
 APPLICATION FOR DETERMINATION OF THE MAXIMUM
LAWFUL PRICE UNDER THE NATURAL GAS POLICY ACT

OPERATOR CNG DEVELOPMENT COMPANY AGENT Gary A. Nicholas

Type Determination being sought - 107 (Devonian Shale)

API WELL NO 47-017-03429 WELL NAME Sadler

West Virginia Office of Oil and Gas References: COUNTY Doddridge

SJA File No. _____
 Volume _____ Page _____ Line _____

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray Elevation Indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line = 160 * API Units
2. Remarks:

B. Gamma Ray Log Value at 0.7 x (Value at Base Line)

1. GR Value = 160 * API Units
2. Calculation: 0.7 (GR Value at Base Line)
 0.7 (160 *) = 112 API Units

III. Intervals With GR Index Less Than 0.7 x (Value at Base Line):

Interval		Thickness of Interval	Feet of Less Than 0.7 (Shale Base Line)
From**	To***	Feet	Feet*
2,622'	5,504'	2,882'	128'

Total Devonian Interval 2,882'

Total Less Than 0.7 (Shale Base) 128'

% Less Than 0.7 (Shale Base Line) = .9556 x 100 = 95.56 %

05/10/2024

* Marked on log included with analysis.
 ** Top of Devonian section recorded on first interval in this column.
 *** Lesser of TD or bottom of Devonian section recorded as last interval in this column.

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

Date October 22, 1985
Operator's
Well No. #1615-
API Well No.
47 - 017 - 034
State County Perm

WELL CLASSIFICATION FORM

HIGH COST GAS WELL - DEVONIAN SHALE
NGPA Section 107

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

WELL OPERATOR CNG Development Company
ADDRESS One Park Ridge Center
P.O. Box 15746
Pittsburgh, PA 15244
Attn.: Prod. Reg. Coord.

LOCATION: Elevation 1,254'
Watershed Traugh Fork
District Greenbrier County Doddridge Big Quad Isaac
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: September 23, 1985

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

BHP = 454#
BHP = $P_1 + P_2$ (e GL 53.34 T-1)

AFFIDAVIT

I, R. N. Metzler, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in Subparagraph (3)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in Subparagraph (3)(ii)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

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 22nd day of October, 19 85, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 22nd day of October, 19 85 05/10/2024
My term of office expires on the 19th day of December, 1988.

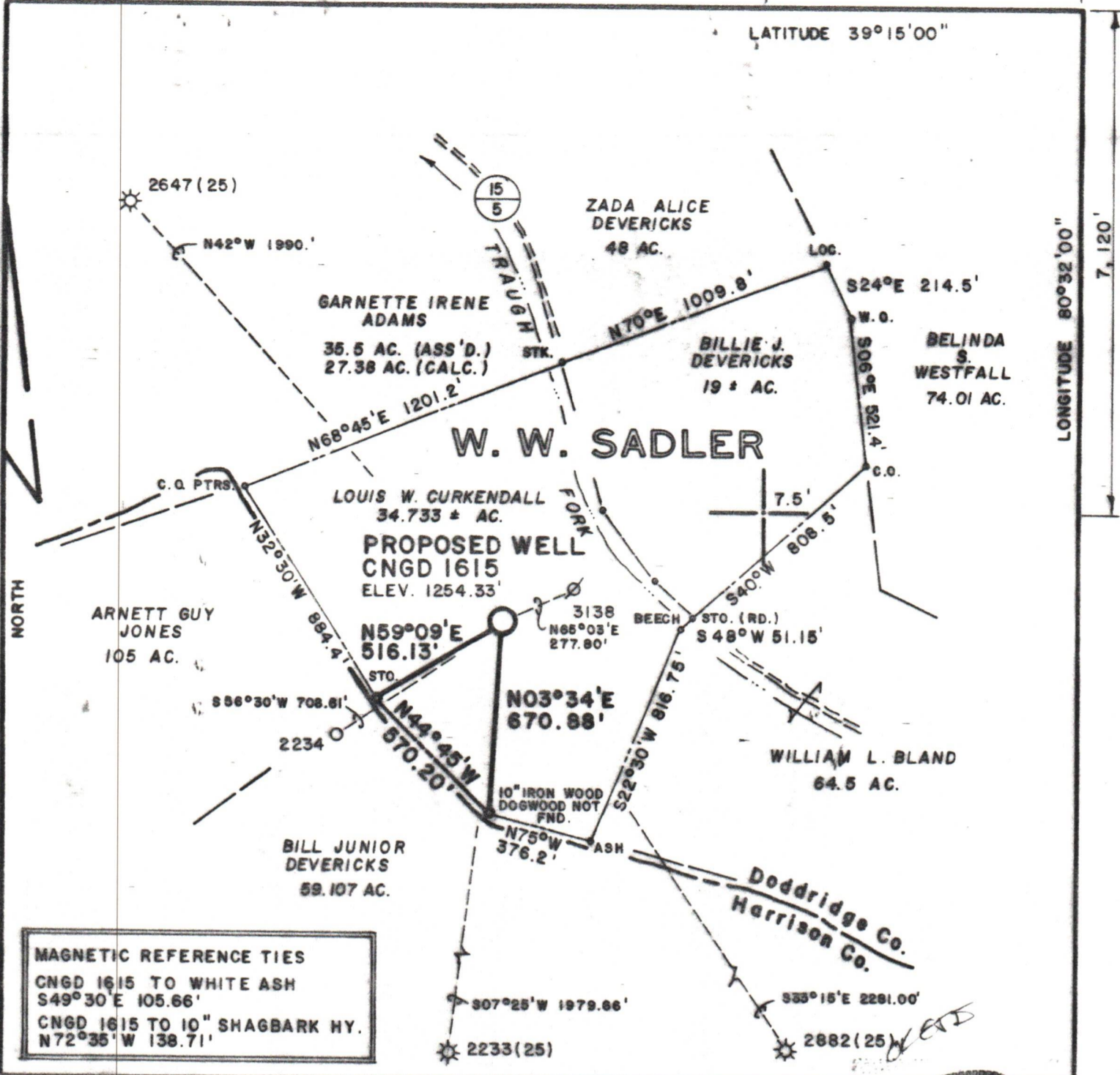
Carl G. Mourovic
Notary Public

[NOTARIAL SEAL]

MN 4-9-85

LATITUDE 39°15'00"

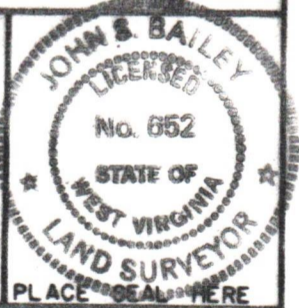
LONGITUDE 80°32'00"



MAGNETIC REFERENCE TIES
 CNGD 1615 TO WHITE ASH
 S49°30' E 105.66'
 CNGD 1615 TO 10" SHAGBARK HY.
 N72°35' W 138.71'

FILE NO. MSES 85-599
 DRAWN BY SARC
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION JCT. CO. RT. 15/5 & DR.; 1800' SE LOCATION; ELEV. 1136.'

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 JANUARY 10 19 85
 OPERATOR'S WELL NO. CNGD 1615
 API WELL NO. 47-017-3429
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1254.33' WATER SHED TRAUGH FORK
 DISTRICT GREENBRIER COUNTY DODDRIDGE
 QUADRANGLE BIG ISAAC, WV 7.5'
 SURFACE OWNER LOUIS W. CURKENDALL ACREAGE 34.733±
 OIL & GAS ROYALTY OWNER FRANCIS M. SADLER HEIRS LEASE ACREAGE 54
 LEASE NO. 88173
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5575'
 WELL OPERATOR CNG DEVELOPMENT CO. DESIGNATED AGENT GARY A. NICHOLAS
 ADDRESS ONE PARK RIDGE CENTER ADDRESS RT. 2, BOX 698
PITTSBURGH, PA 15244 BRIDGEPORT, WV 26330

05/10/2024