

FILE COPY
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DEC 19 1985



December 10, 85
1) Date: _____, 19____
2) Operator's Well No. 2284
3) API Well No. 47-017-3492
State _____ County _____ Permit _____

DIVISION OF OIL & GAS STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, 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: 1240 Watershed: Trough Fork
District: Union Greenbrier County: Doddridge Quadrangle: Greenbrier Big 15A
- 6) WELL OPERATOR CNG Development Co CODE: 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 Name Mike Underwood 9) DRILLING CONTRACTOR:
Address Route 2, Box 114 Name Sam Jack Drilling Co.
Salem, WV 26426 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, 5600 feet
- 13) Approximate trata depths: Fresh, 740 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 735 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	<u>11-3/4</u>	<u>H-40</u>	<u>42</u>	<u>x</u>		<u>160-250</u>	<u>250</u> <u>160</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>1050</u>	<u>1050</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>5600</u>	<u>5600</u>	<u>200-400</u>	<u>Depths set</u>
Tubing	<u>1-1/2</u>	<u>CN-55</u>	<u>2.75</u>	<u>x</u>					<u>By Rule 15.01</u>
Lin...									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3492

January 10 19 86
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 January 10, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>DS</u>	Casing: <u>mx</u>	Fee: <u>12281</u>	WPCP: <u>JS</u>	S&E: <u>JS</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

John J. Shuck
Director, Division of Oil and Gas

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

05/10/2024 File

OFFICE USE ONLY

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

1) WELL TYPE: A Oil _____ B Gas _____ C Other _____

2) LOCATION: _____

3) WELL OPERATOR: _____

4) OFF & GAS INJECTION TO BE NOTED: _____

5) PROPOSED WELL WORK: _____

6) GEOLOGICAL INFORMATION: _____

7) APPROXIMATE COST: _____

8) CASING AND TUBING PROGRAM: _____

OFFICE USE ONLY

This part of Form WW-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: _____

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WW-9

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

DATE OCTOBER 25, 1985

Rec'd. (WF SED)

State of West Virginia

WELL NO. #2284

OCT 25 1985

API NO. 47 - 017 - 3492

Department of ENERGY
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME CNG Development Company

DESIGNATED AGENT Gary A. Nicholas

Address 1 Park Ridge Center, Pittsburgh, PA

Address Rt. 2, Box 698, Bridgeport, WV

Telephone 412-429-2390

Telephone 304-623-8134

LANDOWNER Blinda S. Westfall

SOIL CONS. DISTRICT West Fork

Revegetation to be carried out by CNG Dev. Co. - Gary A. Nicholas (Agent)

This plan has been reviewed by West Fork SCD. All corrections and additions become a part of this plan: 10/30/85 (Date)

Kenneth E. Knight
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
with rippapped outlet
Spacing On upper road cuts
Page Ref. Manual 2-12

Structure Diversion Ditch (1)
with rippapped outlet
Material Earthen
Page Ref. Manual 2-12

Structure Cross Drain (B)
with rippapped outlet
Spacing 14%-64' to 20%-45'
Page Ref. Manual 2-1

Structure _____ (2)
Material _____
Page Ref. Manual _____

Structure Culvert ^{15"} (12" min.) (C)
with rippapped outlet
Spacing At natural Drains
Accord. to O&G Manual
Page Ref. Manual 2-7

Structure Broad Based Dip (3)
with rippapped outlet (D)
Material According to O&G Manual
Spacing _____
Page Ref. Manual 2-3

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.

REVEGETATION

Treatment Area I

Lime According to pH test Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2 Tons/acre
Seed* KY 31 Fescue 35 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Rye 10 lbs/acre

Treatment Area II

Lime According to pH test Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay or Straw 2 Tons/acre
Seed* KY 31 Fescue 35 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Rye 10 lbs/acre

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

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

PLAN PREPARED BY LAND SURVEYING 05/10/2024

ADDRESS 1412 N. 18th St.

Clarksburg, WV 26301

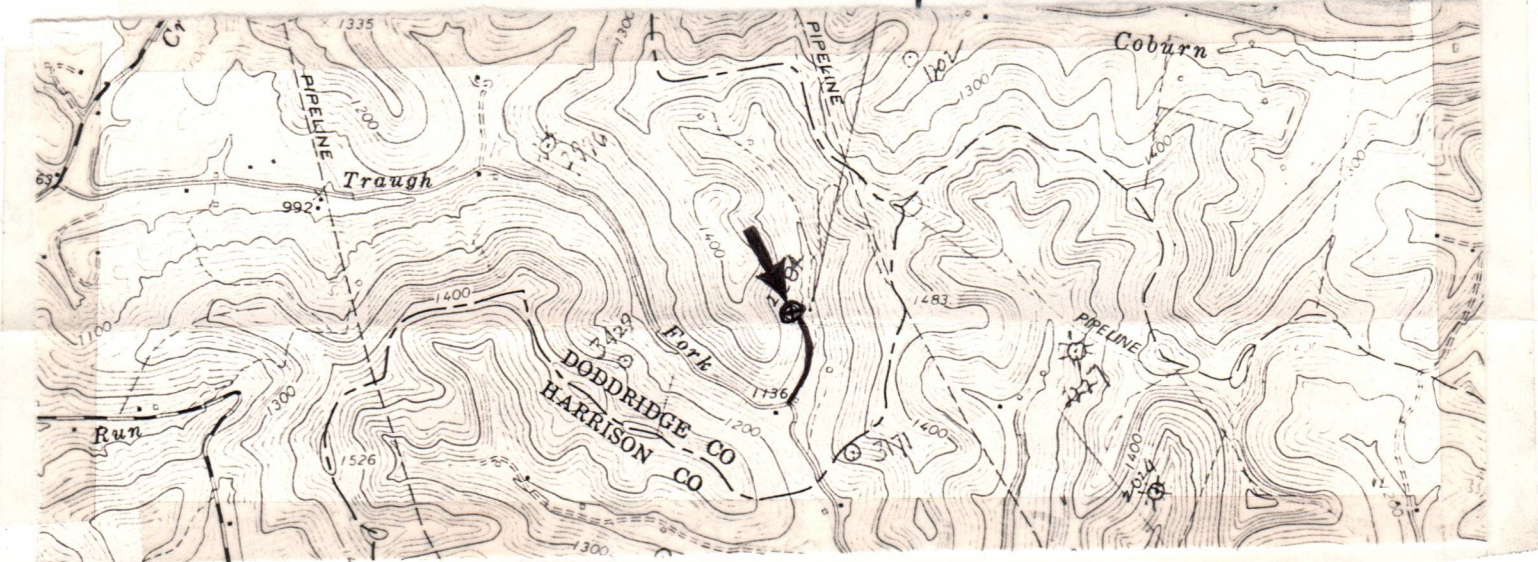
PHONE NO. 304-623-1214

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

LEGEND

Well Site ⊕

Access Road ———

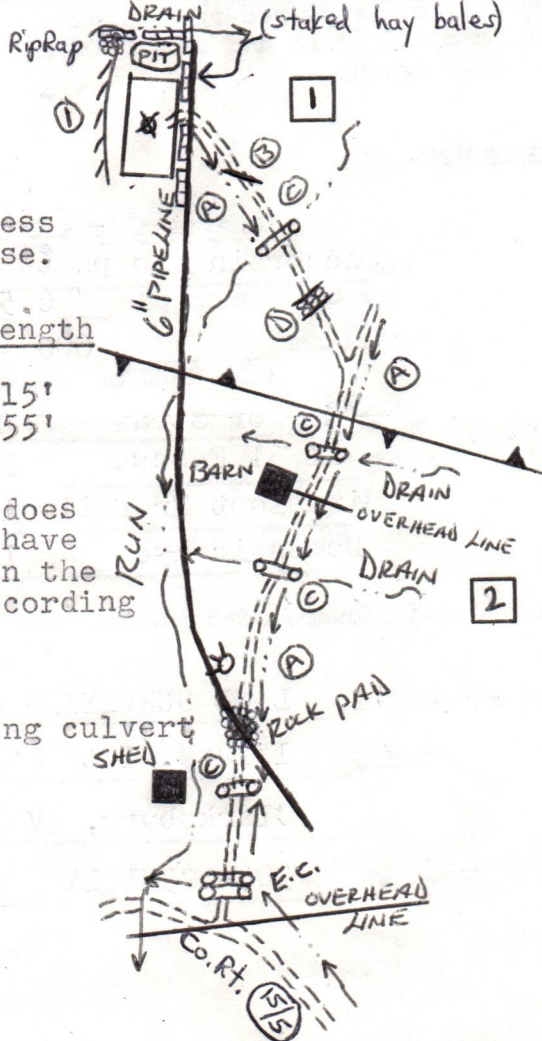


WELL SITE PLAN

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 ← — — — —



Road Grades:

1 -14% to -20%, 210'

2 -6% to 3%, 760'

All of the access road is on lease.

Surface Owners	Rd. length
W.L. Bland	515'
B. Westfall	455'

Surface owner does not appear to have any interest in the oil and gas according to deed.

E.C. is existing culvert

Location is on a wooded bench on a hillside. Usable timber will be cut and stacked. Topsoil will be stockpiled for use in revegetation.

Access road utilizes an existing farm road for its first 580'. Rock will be used on road where necessary.

A filter strip of undisturbed natural vegetation will remain between all construction and natural water courses. Sediment barriers of staked straw bales will be placed in drainage ditches where needed.

05/10/2024

Location of pit may vary if construction difficulties warrant.

Note: Contractor should be alert and take extra precautions when working on location due to the presence of a 6" pipeline.

1) Date: December 10, 19 85
Operator's
2) Well No. 2284
3) API Well No. 47 - 017 - 3492
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Belinda S. Westfall
Address Rt. 2, Box 188A
Bristol, WV 26332
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5 (i) COAL OPERATOR ^{OWNER} ~~XXXX~~ Belinda S. Westfall
Address Rt. 2, Box 188A
Bristol, WV 26332
5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Willis G. Tetrick, Jr.
Address Maxwell Y. Sutton and
The Union National Bank
Name of Clarksburg, Trustees and
Address their Successor Trustees
c/o Consolidation Coal Company
~~5 (iii) COAL LESSEE WITH DECLARATION ON RECORD: XXXXX~~
Name Property Tax Division
Address Consol Plaza
Pittsburgh, PA 15241

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 WW-2(B) 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 WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-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 WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B 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 Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-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 Director of the Division of Oil and Gas.

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 22B-1-8(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 WW-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 10th day of December, 1985,
My commission expires 12/19, 1988.

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

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

05/10/2024

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division 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 §22B-1-9(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 §22B-1-36.
- 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 §22B-1-6 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 §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 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 § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(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>
Orphia Stephens, et al	Consolidated Gas Supply	1/8	100	387
to	Consolidated Gas Trans.	1/8		
to	CNG Development Company	1/8		

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SITE REGISTRATION APPLICATION FORM
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS
DRILLING PIT WASTE DISCHARGE

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1. Company Name CNG Development Company
2. Mailing Address Route 2, Box 698, Bridgeport, WV 26330
street city state zip
3. Telephone (304) 623-8840 4. Well Name CNGD-2284
5. Latitude 39°15'00" (2730'-W) Longitude 80°32'30" (6620'-S)
6. NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-017-3492
8. County Doddridge Co 9. Nearest Town miletus
10. Nearest Stream Trough Fork 11. Tributary of Turtle tree Fork
12. Will Discharge be Contracted Out? yes no
13. If Yes, Proposed Contractor PKC
Address 44 Baltimore St., Westover, WV 26505
Telephone (304) 291-5960
14. Proposed Disposal Method: UIC _____ Land application
Off Site Disposal _____ Reuse _____ Centralized Treatment _____
Thermal Evaporation _____ Other _____
15. Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

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:
*Shelley B. Strickland
 Maxwell Y. Sutton
 The Union National Bk of Clarkburg
 c/o Consolidation Coal Co.
 Conestoga Plaza
 Pittsburgh, Pa 15241*

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	<i>P162 464 183</i>

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

5. Signature - Addressee
X

6. Signature - Agent
X *George Zell*

7. Date of Delivery
DEC 18 1985

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

DOMESTIC RETURN RECEIPT

2384

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. Belinda S. Chestfall
 Rt 2 Box 188A
 Bristol, TN 26332*

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	<i>P162 464 184</i>

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

5. Signature - Addressee
X

6. Signature - Agent
X *William O. Hestfall*

7. Date of Delivery
12-16-85

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

DOMESTIC RETURN RECEIPT

2384



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DEC 19 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

— —

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! !

?)

STATIONER
1000 P. O. BOX
1000 P. O. BOX
1000 P. O. BOX



CNG DEVELOPMENT COMPANY

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

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DEC 19 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

December 18, 1985

State of West Virginia
Department of Energy
Division of Oil and Gas
307 Jefferson Street
Charleston, WV 25311

Re: CNGD Well No. 2284
W. S. Stevens, et al
Doddridge County, WV

Gentlemen:

Enclosed is our Draft in the amount of \$400.00, Notice of Application For A Well Work Permit, Application For A Well Work Permit, Location Plat, Construction and Reclamation Plan, and Site Registration Form For Drilling Pit Waste Discharge for the above noted wells.

Also enclosed are the receipts of the certified mail to the surface and coal owners along with any Waivers we may have received.

Yours truly,

Paul W. Garrett
Manager, Well Programs

PWG:slm

Enclosures

IV-35
(Rev 8-81)

RECEIVED
MAY - 2 1986



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date April 17, 1986
Operator's
Well No. CNGD WN 2284
Farm Walter S. Stevens
API No. 47 - 017 - 3492

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: 1240 Watershed Trough Fork
District: Union County Doddridge Quadrangle Greenbrier

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 Belinda S. Westfall

ADDRESS Rt. 2 Box 188A
Bristol, WV 26332

MINERAL RIGHTS OWNER Mrs. Orphia Stephens, et al

ADDRESS Rt. 2
Salem, WV 26426

OIL AND GAS INSPECTOR FOR THIS WORK

Mike Underwood ADDRESS Rt. 2 Box 114
Salem, WV 26426

PERMIT ISSUED Jan. 10, 1986

DRILLING COMMENCED April 1, 1986

DRILLING COMPLETED April 7, 1986

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	250	250	To Surf.
9 5/8			
8 5/8	1,431	1,431	To Surf.
7			
5 1/2			
4 1/2	5,513	5,513	640 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5600 feet

Depth of completed well 5621 feet Rotary x / Cable Tools _____

Water strata depth: Fresh 50 feet; Salt _____ feet

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

OPEN FLOW DATA

Producing formation Alexander
Benson
Speechley/U. Speechley Pay zone depth 5359-67
5021-30
3869-74 feet

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

Final open flow 919 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1350 psig (surface measurement) after 17 hours shut in

(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth 05/10/2024 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)

Dodd.
3442

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

Perforate Alexander 5359-67, 24 holes, .39, TD @ 5450'; Benson 5021-30, 27 holes, .39, 3-5/16" @ 5078'; Speechley 3869-74, 7 holes, U. Speechley 3628-31, 8 holes, total 15 holes, .39, 3-9/16" @ 3918'. Dowell Schlumber 75Q Foam Frac - 1st Stage - Gel 20, J-347, Break 2200 psi w/water, Break Rate 16 BPM, Ave Tr. Pr. 3700 psi, Max. Tr. Pr. 4000 psi*, Ave Rate 20 BPM, 20/40 Sand approximately 30,000# in place* Max Conc. 3 then 2, Total Fluid 950 bbl, SL Fluid 720 bbl, ISIP 1700 prejob w/water, BHTP 4000 psi, Nit. 1,092,800 SCF. 2nd Stage - Gel 20, Break broke when perfaied 3000, Break Rate 17.5 BPM, Ave. Tr. Pr. 2950 psi, Max.Tr.Pr. 3000 psi, Ave Rate 20 BPM, 45,000# 20/40 Sand, Max Conc. 3, Total Fluid 590 bbl, SL Fluid 411 bbl, ISIP 1500 prejob w/water, BHTP 3700 psi, Nit. 543,000 SCF. 3rd Stage - Gel 20, Break 2450, Break Rate 15 BPM water & 20 M SCF/M N₂, Ave. Tr. Pr. 2900 psi, Max. Tr. Pr. 3050 psi, Ave Rate 30 BPM, 40,000# 20/40 Sand, Max. Conc. 3, Total Fluid 541 bbl, SL Fluid 382 bbl, ISIP 1400 prejob w/water, ISIP 1500 post job w/water, BHTP 3100 psi, Nit. 448,000 SCF.
*Screened Alexander off on 3#/gal. Blew well back, Frac Alex. again w/25,000# 20/40 Sand.

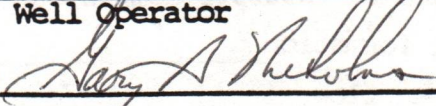
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay & Soil			0	8	1/2" water @ 50' 1" water @ 100'
Sand, Shale & RR			8	2070	
L. Lime			2070	2095	
Shale			2095	2110	
B. Lime			2110	2210	
Injun			2210	2300	
Sand & Shale			2300	5621	
<u>ELECTRIC LOG TOPS</u>					
Big Lime			2122	2210	
Big Injun			2210	2260	
Berea			2534	2547	
Gordon Stray			2728	2748	
Gordon			2798	2820	
4th Sand			2840	2866	
Warren			3380	3418	
U. Speechley			3626	3632	
Speechley			3866	3880	
Benson			5018	5090	
Leopold			5218	5240	
Alexander			5292	5389	

(Attach separate sheets as necessary)

CNG DEVELOPMENT COMPANY

Well Operator

By: 

05/10/2024

Date: April 17, 1986

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

1-10-86

WELL TYPE _____
ELEVATION 1240
DISTRICT Union
QUADRANGLE Greenbrier
COUNTY Doddridge

API# 47- 017 -3492
OPERATOR CNG Development Co.
TELEPHONE _____
FARM _____
WELL # 2284

DEPARTMENT OF ENERGY
OIL AND GAS

SURFACE OWNER Westfall, Belinda COMMENTS _____ TELEPHONE 703 17 1986
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION 1-22-86 NOTIFIED yes DRILLING COMMENCED 4-1-86

WATER DEPTHS 1/2" At 50', 1/2" At 100', _____, _____
COAL DEPTHS No, _____, _____, _____

CASING

Ran 249' feet of 1 1/4" pipe on 4-2-86 with 110-S. fill up D.W.
Ran 1423' feet of 8/8s pipe on 4-4-86 with ? fill up
Ran 5484' feet of 4 1/2" pipe on 4-7-86 with 690.S. fill up D.W.
Ran _____ feet of _____ pipe on _____ with _____ fill up
TD 5621' feet on 4-7-86

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: 4-30-86 Type Ground
Field analysis ph 8. fe 4. cl 600
Well Record received _____

Date Released 6-12-86

[Signature]
Inspector's signature

05/10/2024

3492

API# 47 017 - 3492.

LIST ALL VISITS FOR THIS PERMIT

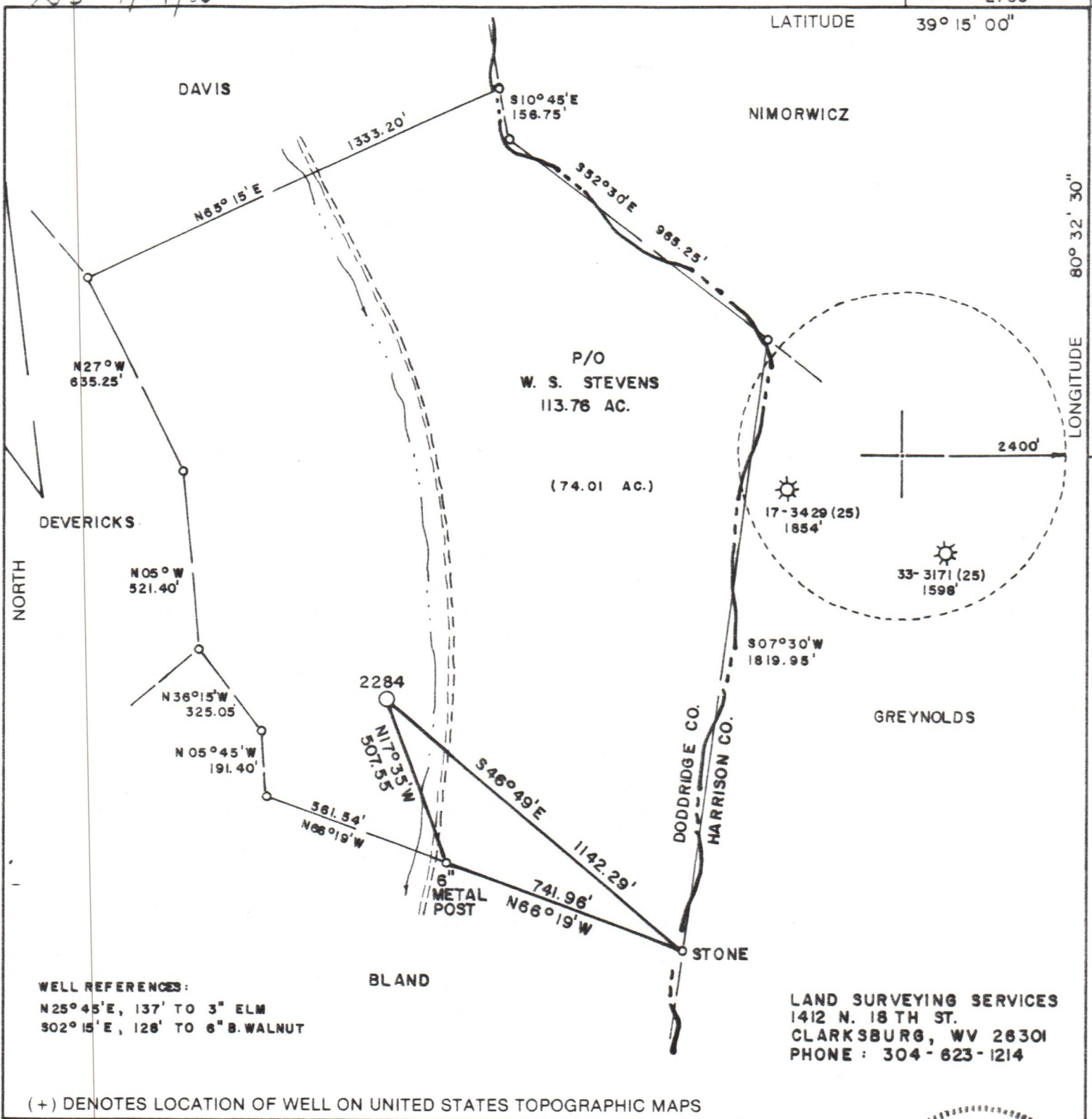
	DATE	TIME	PURPOSE	COMMENTS
1	1-12-86	4:00	Visit Site	Called-in-Starting Brush work.
2	1-14-86	11:00	= =	DOZER sitting-in-LEASE ROAD No one there.
3	3-31-86	8:00	Visit Site	Called-in-MOVE-ON Rig-
4	4-1-86	3:00	Visit Site	Rig check, O.K.
5	4-2-86	7:15-	Visit Site	For SURFACE JOB.
6	4-4-86	7:00-	Visit Site	Rig check, 2139' Dusting.
7	4-30-86	4:30-	Visit Site	With D.W.R. For pit test.
8			AND Discharge	O.K to Discharge.
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

O.K to RAL

95 1/09/86

2730'



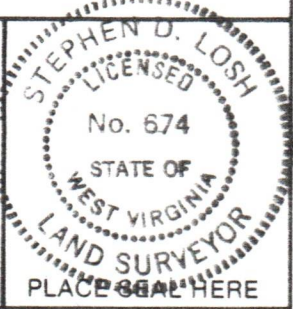
WELL REFERENCES:
 N25°45'E, 137' TO 3" ELM
 S02°15'E, 128' TO 6" B. WALNUT

LAND SURVEYING SERVICES
 1412 N. 18 TH ST.
 CLARKSBURG, WV 26301
 PHONE : 304 - 623 - 1214

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION RD. INTER. 1000' s.
OF 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) Stephen D. Losh
 R.P.E. _____ L.L.S. 674
STEPHEN D. LOSH



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION		DATE <u>OCTOBER 28</u> , 19 <u>85</u> - OPERATOR'S WELL NO. <u>2284</u> API WELL NO. <u>47-017-3492</u> STATE COUNTY PERMIT	
WELL TYPE: OIL ___ GAS <u>X</u> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS,") PRODUCTION <u>X</u> STORAGE ___ DEEP ___ SHALLOW <u>X</u>		LOCATION: ELEVATION <u>1240'</u> WATER SHED <u>TRAUGH FORK</u> DISTRICT <u>GREENBRIER</u> COUNTY <u>DODDRIDGE</u> QUADRANGLE <u>BIG ISAAC 7.5 min.</u>	
SURFACE OWNER <u>BLINDA S. WESTFALL</u> ACREAGE <u>05/18/2024</u> OIL & GAS ROYALTY OWNER <u>WALTER S. STEVENS</u> LEASE ACREAGE <u>113.76</u> LEASE NO. <u>DV - 19225</u>		COUNTY NAME _____ PERMIT _____	
PROPOSED WORK: DRILL <u>X</u> 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 <u>ALEXANDER</u> ESTIMATED DEPTH <u>5600'</u> WELL OPERATOR <u>CNG DEVELOPMENT COMPANY</u> DESIGNATED AGENT <u>GARY A. NICHOLAS</u> ADDRESS <u>ONE PARK RIDGE CENTER</u> ADDRESS <u>CROSSWIND CORPORATE PARK</u> <u>PITTSBURGH, PA 15244</u> <u>RT. 2, BOX 698 BRIDGEPORT, WV 26330</u>			

FORM IV-6 (8-78) H.T. HALL