

Ac 3 B 10/23/87

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

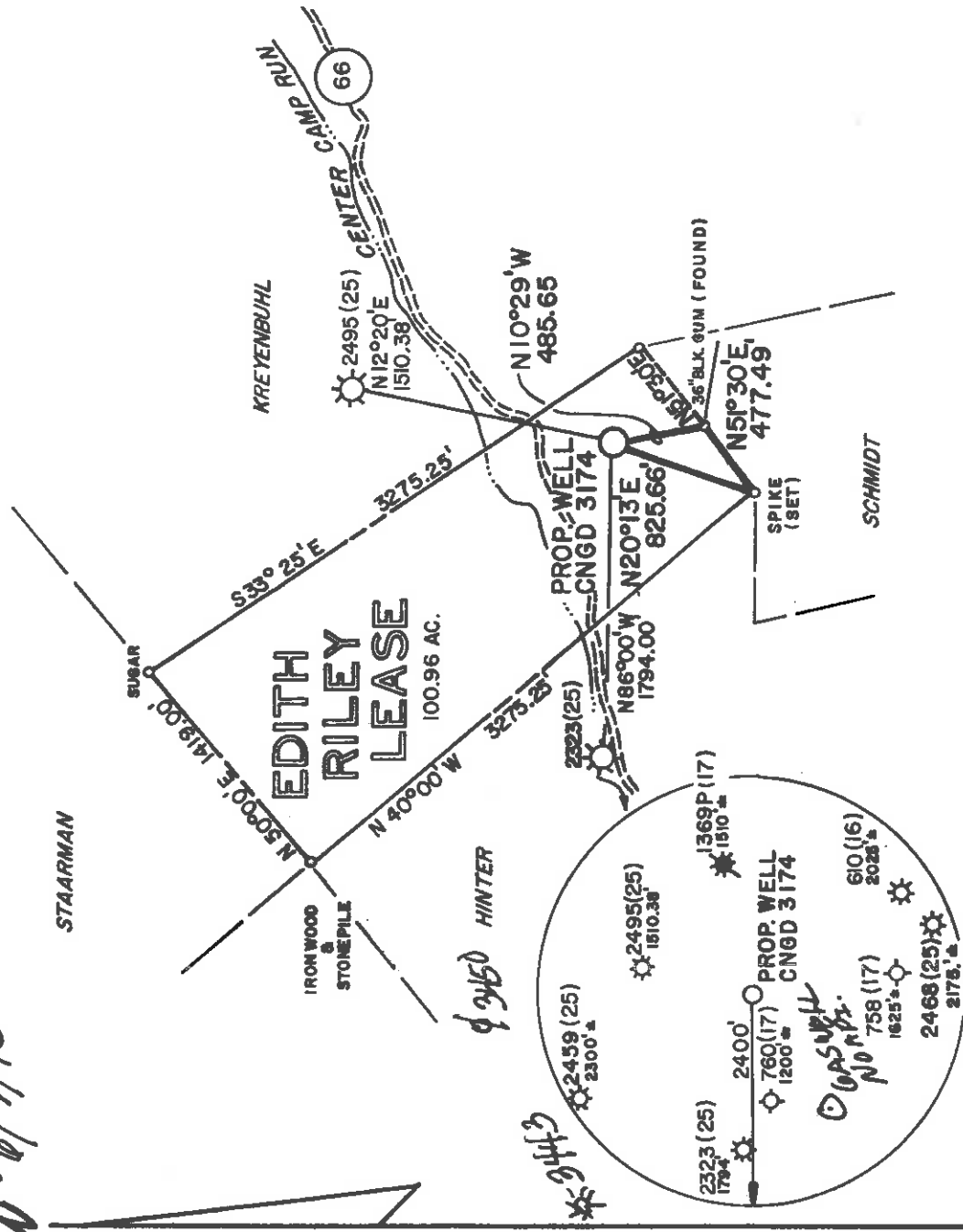
James  
10/7/93

STAARMAN

LONGITUDE 80°42'30"

LATITUDE 39°10'00"

4925'



MAGNETIC REFERENCE TIES

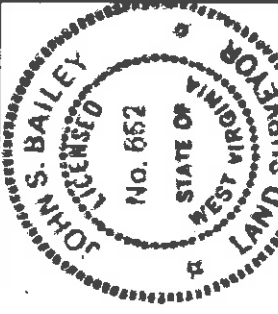
S25°03' W 155.84' TO A 22" W.O.  
S36°42' W 128.45' TO A 20" W.O.

RJH  
10/7/87



MSES consultants, inc.

FILE NO. MSES 87-784  
DRAWN BY JSB/VSH  
SCALE 1" = 1000'  
MIN. DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION  
ELEV. 843 AT JCT. OF ST. RT. 18 & CO. RT. 66



(SIGNED) *John S. Bailey*  
R.P.E. L.S. 652



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE SEPTEMBER 3, 1987  
OPERATOR'S WELL NO. CNGD 3174

API WELL NO. 47-017 - 3607-F-P  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1060.00' WATERSHED CARTERS CAMP RUN OF COVE CREEK

DISTRICT COVE COUNTY DODDRIDGE

QUADRANGLE NEW MILTON, WV 7.5' NEAREST TOWN LEOPOLD

SURFACE OWNER EDITH RILEY ACREAGE 100.96

OIL & GAS ROYALTY OWNER EDITH RILEY LEASE ACREAGE 100.96

LEASE NO. DV - 19911

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 BENSON ESTIMATED DEPTH 5635'

WELL OPERATOR *James* DESIGNATED AGENT *John S. Bailey*

ADDRESS *1015 1/2 St. James* ADDRESS ROUTE 2 BOX 698

*Bridgeport, W.V. 26330* BRIDGEPORT, WV 26330

DODD

3607 P

COUNTY

PERMIT

157B 10/23/87

(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

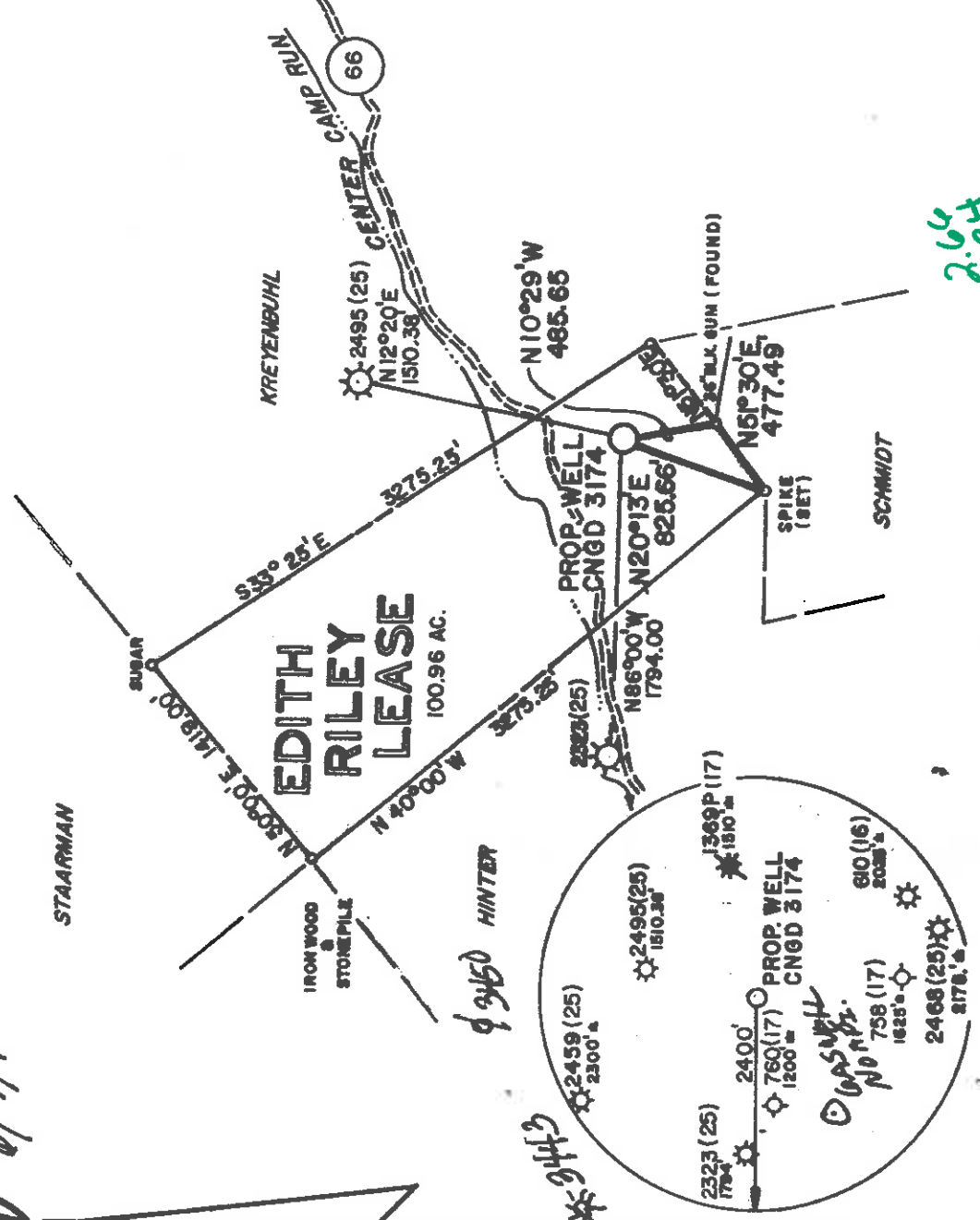
Janice  
6/7/93

STAARMAN

4925'  
LATITUDE 39°10' 20"

LONGITUDE 80°42' 30"

EDITH RILEY LEASE  
100.96 AC.



MAGNETIC REFERENCE TIES

S25°03' W 155.84' TO A 22" W.O.  
S38°42' W 128.45' TO A 20" W.O.

RJH  
10/7/87

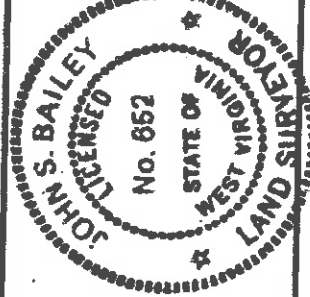
2.66  
2.94

2.66  
3.17

7.5'

MSES consultants, inc.

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SCALE 1" = 1000'  
MIN. DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION  
ELEV. 843' AT JCT. OF ST. RT. 18 & CO. RT. 66



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.S. 652



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE SEPTEMBER 3, 1987  
OPERATOR'S WELL NO. CNGD 3174  
API WELL NO. 47-017-3607-F  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1060.00' WATERSHED CARTERS CAMP RUN OF COVE CREEK  
DISTRICT COVE  
QUADRANGLE NEW MILTON, WV 7.5' VADUS WC  
SURFACE OWNER EDITH RILEY  
OIL & GAS ROYALTY OWNER EDITH RILEY  
LEASE NO. DV - 19911

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 BENSON  
WELL OPERATOR *Baynes*  
ADDRESS *Baynes, 146  
1-Griggs, 400, All.  
26280*  
ESTIMATED DEPTH 5635'  
DESIGNATED AGENT *John S. Bailey*  
ADDRESS ROUTE 2 BOX 698  
BRIDGEPORT, WV 26330

O.W.D. 6.0 Conings (142)

DODD COUNTY PERMIT 3607



10/23/87

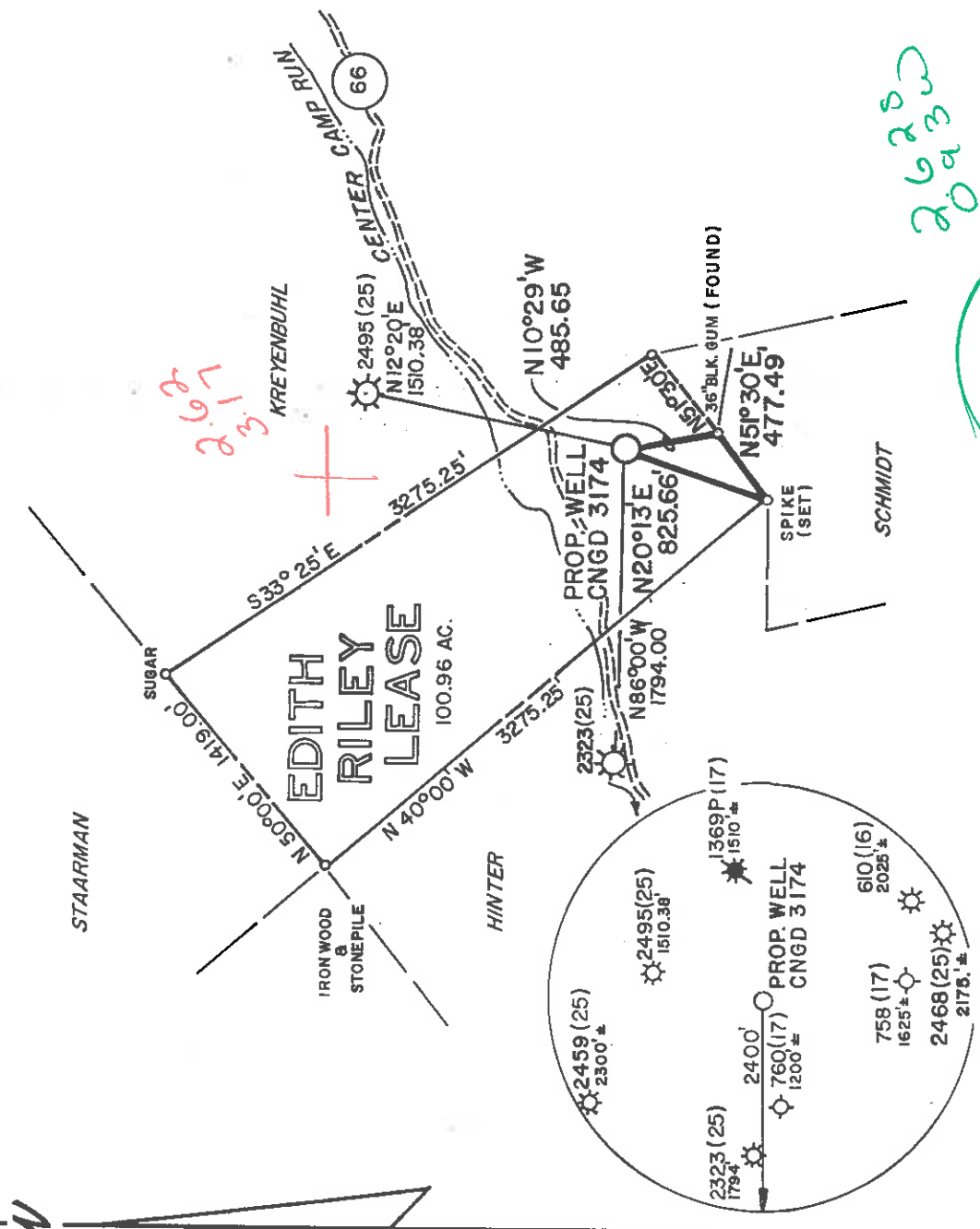
(+) DENOTES LOCATION OF WELL ON U.S.G.S. TOPOGRAPHIC MAP

4925'

LATITUDE 39°10'30"

LONGITUDE 80°42'30"

13,900'



29.6  
1.6  
2.5

2620  
20a30

RJH  
10/7/87

7.5'

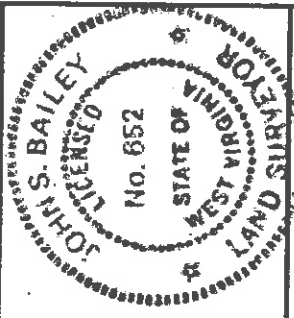
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(SIGNED) *John S. Bailey*  
R.P.E. L.L.S. 652



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

DATE SEPTEMBER 3, 1987  
OPERATOR'S WELL NO. CNGD 3174  
API WELL NO. 47-017 - 3607  
STATE COUNTY PERMIT

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IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1060.00' WATERSHED CARTERS CAMP RUN OF COVE CREEK  
DISTRICT COVE 2 *Vadlis* COUNTY DODDRIDGE  
QUADRANGLE NEW MILTON, WV 7.5' 511 12.5 *wc* 4 NEAREST TOWN LEOPOLD  
SURFACE OWNER EDITH RILEY ACREAGE 100.96  
OIL & GAS ROYALTY OWNER EDITH RILEY LEASE ACREAGE 100.96

LEASE NO. DV - 19911  
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 BENSON ESTIMATED DEPTH 5635'  
WELL OPERATOR CNG DEVELOPMENT COMPANY DESIGNATED AGENT GARY A. NICHOLAS  
ADDRESS P.O. BOX 15746 ROUTE 2 BOX 698  
PITTSBURGH, PA 15244 142 BRIDGEPORT, WV 26330

FORM IV-6

6-6 Conings (142)



State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: RILEY, EDITH HINTERER Operator Well No.: CNGP 3174W

LOCATION: Elevation: 1,060.00 Quadrangle: NEW MILTON

District: COVE County: DODDRIDGE  
Latitude: 13900 Feet South of 39 Deg. 10Min. 30 Sec.  
Longitude 4925 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: CNG PRODUCING COMPANY  
ROUTE 2, BOX 698  
BRIDGEPORT, WV 26330-0698

Agent: RODNEY J. BIGGS

Inspector: MIKE UNDERWOOD  
Permit Issued: 06/08/93  
Well work Commenced: 07/15/93  
Well work Completed: 10/26/93  
Verbal Plugging  
Permission granted on: 10/24/93  
Rotary Cable Rig  
Total Depth (feet) 3170' - Bridge  
Fresh water depths (ft)

Salt water depths (ft)  
Is coal being mined in area (Y/N)?  
Coal Depths (ft):

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
4.5"	Plug & Abandon Well - Cut Casing	3651'	
	Plug		

OPEN FLOW DATA

Producing formation Bayard  
Berea

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: \_\_\_\_\_ Pay zone depth (ft) 3071-3078  
 Final open flow 12 MCF/d Initial open flow 2528-2540  
 Time of open flow between initial and final tests \_\_\_\_\_ Bbl/  
 Static rock Pressure 700 psig (surface pressure) after 48 Hour

Second producing formation \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: \_\_\_\_\_ Pay zone depth (ft)  
 Final open flow \_\_\_\_\_ MCF/d Initial open flow \_\_\_\_\_ Bbl/  
 Time of open flow between initial and final tests \_\_\_\_\_ Bbl/  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATE INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WEL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Reviewed IMG  
Recorded \_\_\_\_\_

For: Rodney J. Biggs, Manager  
CNG PRODUCING COMPANY

By: RJB  
Date: October 27, 1993

NOV 9 9 1993

MR

Bridge Plug @ 3170'

Perforated Bayard 3071 - 3078, 25 shots  
Berea 2528 - 2540  
Keener 2220 - 24, 16 holes

Frac Bayard:

SICP = 100#  
Broke formation @ 1230'  
Total Fluid 465 bbls, 21# Gel  
Total Sand - 5K 80/100, 30K 20/40  
Ave. rate - 27 BPM  
Ave. Pres. - 1600# - Declining during job

Frac Berea;

Broke formation @ 2700'  
Total Fluid = 449 bbls - 22# Gel  
Total Sand - 5K 80/100, 30K 20/40  
Ave. Rate - 30 BPM  
Ave. Pres. - 2100#

Frac Keener:

Broke formation @ 1860'  
Ave Rate 8  
Ave. Pres. 1900  
Max. Tr. Pres. 2200  
Total acid 3000 gals (28% HCL)  
Total fluid 162 bbl  
ISIP 1600  
5 min 1480

Unable to drill up frac plugs. Swab well, making a lot of salt water  
plug and Abandon as follows:

Cement plug 2020 - 3170 = 90 sks  
Set Bridge plug 2020,  
Cut Pipe 1883'  
Cement plug 1641 - 1841 = 60 sks  
Gel 1467 - 1641  
Cement plug 1367 - 1467 = 30 sks  
Gel 126 - 1367  
Cement plug 0 - 126 = 50 sks

Total cement 230 sks Class A  
Total Gel 1000#  
Total Flake 50#

Removed 1849' of casing (4.5")

TD 6529

DC = 424

DFT = 439

82321



IV-35  
(Rev 8-81)



**RECEIVED**  
MAY 17 1988

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date May 6, 1988  
Operator's Edith Riley  
Well No. CNGD WN 3174  
Farm Edith Riley  
API No. 47-017-3607

State of West Virginia  
Department of Mines  
Oil and Gas Division

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: 1060 Watershed Carters Camp Run of Cove Creek  
District: Cove County Doddridge Quadrangle New Milton

COMPANY CNG Development Company  
ADDRESS P.O. Box 15746  
Pittsburgh, PA 15244  
DESIGNATED AGENT Gary A. Nicholas  
ADDRESS Rt. 2 Box 698  
Bridgeton, WV 26330  
SURFACE OWNER Edith Riley  
ADDRESS Rt. 1 Box 150  
New Milton, WV 26411  
MINERAL RIGHTS OWNER Edith Riley  
ADDRESS Rt. 1 Box 150  
New Milton, WV 26411

OIL AND GAS INSPECTOR FOR THIS WORK

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

PERMIT ISSUED Nov. 5, 1987

DRILLING COMMENCED April 11, 1988

DRILLING COMPLETED April 17, 1988

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

Caging Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. ft.
20-16 Cond.			
13-10"	166	166	To Surf.
9 5/8			
8 5/8	1381	1381	To Surf.
7			
5 1/2			
4 1/2	5500	5500	300 sks
3			
2 1/2	5251	5251	-----
Liners used			

GEOLOGICAL TARGET FORMATION Renson

Depth of completed well 5529 feet Rotary X / Cable Tools        Depth 5635 feet

Water strata depth: Fresh        feet; Salt        feet

Coal seam depths:        none        Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Alexander Renson

Gas: Initial open flow        Mcf/d Oil: Initial open flow 2878-4884 feet

Final open flow 320 Mcf/d Final open flow        Mcf/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 720 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation       

Gas: Initial open flow        Mcf/d Oil: Initial open flow        feet

Final open flow        Mcf/d Oil: Final open flow        Mcf/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)

MAY 20 1988



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

McCullough Perforated Alexander 5233-5326, 27 holes; Benson 4878-4984  
 Nowasco Foam Frac - Alex. - Broke @ 2110, ISIP 1300, Pumped 670 gal prepard, pumped  
 376 bbl 32# gel with Ave N<sub>2</sub> Rate 16,300, Total Sand 5,000# 80/100, 70,000# 20/40,  
 Ave Rate 6.3, Ave Pres. 2600#, Total N<sub>2</sub> 609,700 + 20,000 cool down, 627,000 SCFN<sub>2</sub>  
 ISIP 1650, 5 min 1520, flushed with water-unable to pick up acid, 3-9/16 baffle @ 5051  
 Benson - Broke 2700, ISIP 1350, 89 bbl prepard to spot ball acid est. rate, total fluid  
 222 bbl, 30# gel 70Q Foam, total sand 5,000# 80/100, 33,000# 20/40, ave Rate 8.9 BPM,  
 16,500 SCFN<sub>2</sub>/min, ave pres. 2950, total acid 500 gal, total N<sub>2</sub> 399,700 + 20,000 =  
 419,700, ISIP 1620, 5 min 1570, open well on 1/4" choke.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fire and salt water, coal, oil and c
Ground level,	Sand, Shale, RR		0	2057	
B. Lime & Injun			2057	2250	
Sand & Shale			2250	3017	
5th Sand			3017	3045	
Sand & Shale			3045	3370	
Warren			3370	3398	
Shale			3398	3427	
U. Speechley			3427	3499	
Sand & Shale			3499	4293	
Balltown			4393	4313	
Sand & Shale			4313	4978	
Benson			4978	5000	
Sand & Shale			5000	5250	
Alexander			5250	5360	
Sand & Shale			5360	5529	
LOG TOPS ✓					
B. Lime			2100	2250	
Weir			2330	2430	
Berea			2528	2540	
5th			3072	3078	
Warren			3365	3402	
V. Speechley			3422	3510	
Riley			4876	4905	
Benson			4976	5030	
Leopold			5087	5116	
Alexander			5234	5332	

**RECEIVED**  
MAY 17 1988  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

(Attach separate sheets as necessary)

GNG DEVELOPMENT COMPANY  
Well Operator

By: \_\_\_\_\_

Date: April 6, 1988

Notes: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic  
 detailed geological record of all formations, including  
 logs, encountered in the drilling of a well."

REC-11  
WV Div  
Environmental

FORM WW-2B MAY 24 93

Permitting  
Office of

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

WELL WORK PERMIT APPLICATION

017-3607-F  
Issued 06/08/93  
Page 2 OF 2  
Expires 06/08/95

Well Operator: CNG Producing Company 10110 (2) S10

Operator's Well Number: CNGP 3174W 3) Elevation: 1060.0'

Well type: (a) Oil  or Gas

(b) If Gas: Production  / Undergrnd Storage   
Deep  / Shallow

Proposed Target Formation(s): Bayard/Berea

6) Proposed Total Depth: 3078/2540 feet

7) Approximate fresh water strata depths: \_\_\_\_\_

8) Approximate salt water depths: \_\_\_\_\_

9) Approximate coal seam depths: \_\_\_\_\_

10) Does land contain coal seams tributary to active mine? Yes  No

11) Proposed Well Work: Set Bridge Plug at 3200'. Squeeze cement to cover Berea interval. Perf and Frac Bayard and Berea. Clean well up. Drill out plugs and run tubing to commingle production.

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	13-10"			166	166	To Surface
Fresh Water						
Coal						
Intermediate	8 5/8"			1381	1381	To Surface
Production	4 1/2"			5500	5500	300 sks.
Tubing	1 1/2"			5251	5251	---
Liners						

PACKERS : Kind \_\_\_\_\_

Sizes \_\_\_\_\_

Depths set \_\_\_\_\_

07899

FOR Division of Oil and Gas Use Only

Fee(s) paid: 07899 Well Work Permit [Signature] Reclamation Fund [Signature] WPCP

Plat WW-9 Bond [Signature] Agent [Signature]

17328

Permitting  
MW 2 4 93

1) Date: 5-5-93  
2) Operator's well number  
CNGP 3174W  
3) API Well No: 47 - 017 - 3607-FRAC  
State - County - Permit

Office of Oil & Gas-STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- |              |                             |                                    |                        |
|--------------|-----------------------------|------------------------------------|------------------------|
| (a) Name     | <u>Edith Hinerer Riley</u>  | 5) (a) Coal Operator:              | Name                   |
| Address      | <u>Rt. 1, Box 150</u>       |                                    | Address                |
|              | <u>New Milton, WV 26411</u> |                                    |                        |
| (b) Name     |                             | (b) Coal Owner(s) with Declaration | Name                   |
| Address      |                             |                                    | Address                |
|              |                             |                                    | <u>Same as Surface</u> |
| (c) Name     |                             |                                    | Name                   |
| Address      |                             |                                    | Address                |
|              |                             |                                    |                        |
| 6) Inspector | <u>Mike Underwood</u>       | (c) Coal Lessee with Declaration   | Name                   |
| Address      | <u>Rt. 2, Box 135</u>       |                                    | Address                |
|              | <u>Salem, WV 26426</u>      |                                    |                        |
| Telephone    | <u>(304) - 782-1043</u>     |                                    |                        |

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by: \_\_\_\_\_ Personal Service (Affidavit attached) \_\_\_\_\_ X Certified Mail (Postmarked postal receipt attached) \_\_\_\_\_ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator CNG Producing Company  
By: Rodney J. Biggs *RJB*  
Its: Designated Agent - District Manager, Production  
Address Rt. 2, Box 698, Crosswind Corp. Park  
Bridgeport, WV 26330

Telephone (304) 623-8840

Subscribed and sworn before me this 6<sup>th</sup> day of May, 1993

Nancy D. Colton Notary Public  
My commission expires September 26, 1993

FORM MW-2 (B) FILE COPY  
**RECEIVED**  
 OCT 20 1987



1) Date: October 9, 19 87  
 2) Operator's Well No. CINGD 3174  
 3) API Well No. 47 017 3607  
 State County Permit

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

4) WELL TYPE: A Oil  Gas   
 B (if "Gas", Production  Deep  Shallow   
 5) LOCATION: Elevation: 1060  
 District: Cave  
 Watershed: Carriers Camp Run of Cave Creek  
 County: Doddridge  
 6) WELL OPERATOR: CNG Development Co CODE: 1010  
 Address c/o Cheryl S. Hartle P.O. Box 15746  
 Pittsburgh, PA 15244  
 7) DESIGNATED AGENT Gary Nicholas  
 Address Crosswind Corporate Park  
 Rt. 2, Box 698, Bridgeport, WV 26330  
 8) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name: Mike Underwood  
 Address: Route 2, Box 114  
 Salem, WV 26426  
 9) DRILLING CONTRACTOR:  
 Name: Sam Jack Drilling Co.  
 Address: P.O. Box 48  
 Buckhannon, WV 26201

10) PROPOSED WELL WORK: Drill  / deeper  / Plug off old formation  / Perforate new formation   
 Redrill  / Stimulate

11) GEOLOGICAL TARGET FORMATION, Benson  
 Other physical change in well (specify) \_\_\_\_\_  
 12) Estimated depth of completed well, 5635 feet  
 13) Approximate trata depths: Fresh, 62 feet; salt, 1530 & 1912 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.	For drilling	Left in well		
Conductor							
Fresh water	11-3/4H-40	42		150	150	To surface	By rule 38 CSR 18-11.3
Coal							Sizes 38 CSR 18-11.3
Intermediate	8-5/8 X-42	23	X	1350	1350	To surface	By rule 38 CSR 18-11.3
Production	4-1/2 J-55	10.5	X	5635	5635	200 - 400	Depths set 38 CSR 18-11.3
Tubing	1-1/2 CN-55	2.75	X	5535	5535		By rule 38 CSR 18-11.3
Liners							Perforations: _____
							Top _____
							Bottom _____

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3607 Date November 5 19 87

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 November 5, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Fee:	Other:
		235	
		20770	

NOTE: Keep one copy of this permit posted at the drilling location.  
 Director, Division of Oil and Gas  
 File

6278



STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Riley, Edith Hinterer Operator Well No.: CNGP 3174W

LOCATION: Elevation: 1060 Quadrangle: New Milton  
District: Cove County: Doddridge  
Latitude: 13900' S of 39 Deg. 10 Min 30 Sec.  
Longitude 4925' W of 80 Deg. 42 Min 30 Sec.

Well Type: OIL GAS X

Company: CNG Producing Company Coal Operator  
Rt. 2, Box 698 or Owner  
Bridgeport, WV 26330

Agent: Rodney J. Biggs Coal Operator  
Permit Issued: 6/8/93 or Owner

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Doddridge ss:

first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Mike Underwood Oil and Gas Inspector representing the Director, say that said work was commenced on the 26th day of October, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
<i>Bridge plug</i>				
Cement Plug (90 sks)	2020	3170	Cut Pipe 1883'	3651' (4.5")
Bridge Plug	2020	1841		1381'-8 5/8"
Cement Plug (60 sks)	1641	1641		166'-11"
Gel	1467	1467		
Cement plug (30 sks)	1367	1367		
Gel	126	126		
Cement plug (50 sks)	0	126		

Description of monument: 4.5" Capped Pipe with API No.

and that the work of plugging and filling said well was completed on the 26th day of October, 1993.

And further deponents saith not.

Sworn and subscribe before me this 24 day of November, 1993  
My commission expires: 20 August, 1994

*R. J. Biggs*  
Oil and Gas Inspector: *Mike Underwood*  
Commission Expires: 10-29-93

RECEIVED  
NOV 26 1993  
DIVISION OF ENVIRONMENTAL PROTECTION  
SECTION OF OIL AND GAS



Vertical line



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