

RECEIVED

DEC 28 1984



1) Date: December 20, 1984
 2) Operator's Well No. C-36
 3) API Well No. 47 - 059 - 1042 - FRAC
 State County Permit

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

OIL & GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

DEPT. OF MINES

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1330' / Watershed: Right Fork of Laurel Fork
 District: Hardee / County: Mingo / Quadrangle: Myrtle
- 6) WELL OPERATOR Seneca-Upshur Petroleum Company 7) DESIGNATED AGENT Joseph G. Hager
 Address P.O. Box 2048 / Address P.O. Box 2048
 Buckhannon, WV 26201 *44450* Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Arthur St. Clair / Name N/A
 Address P.O. Box 157 / Address
 Brenton, WV
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) *see attached letter*
- 11) GEOLOGICAL TARGET FORMATION, Bedford
- 12) Estimated depth of completed well, 4088 feet
- 13) Approximate strata depths: Fresh, 71 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 11', 172', 257', 1298' 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	16"				X	17	17	10 Sacks	DEPT. OF MINES OIL & GAS DIVISION RECEIVED DEC 21 1984
Fresh water	11 3/4"					124	124	100 Sacks	
Coal									
Intermediate	8 5/8"		23.00	X		1731	1731	350 Sacks	
Production	4 1/2"		23.00	X			4004	175 Sacks	
Tubing									
Liners									

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-059-1042-FRAC Date January 10, 1985

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

Bond:	Agent:	Plat:	Casing	Fee
<u>138</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>6723</u>

Margaret J. Hesse
 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

due 1/7



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8 1984

OFFICE USE ONLY

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

1) LOCATION: ...
 2) WELL OPERATOR: ...
 3) WELL INSPECTOR TO BE NOTIFIED: ...
 4) PROPOSED WELL WORK: ...
 5) GEOLOGICAL TARGET FORMATION: ...
 6) APPROPRIATE DEPT. PERMITS: ...
 7) APPROXIMATE ESTIMATED COST: ...
 8) CAVING AND TUBING PROGRAM: ...

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

Follow-up inspection(s)

Well work started

Completion of the drilling process

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason: _____

Reason: _____



JAN 21 1983

IV-9
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

DATE JANUARY 28, 1983
WELL NO. C-36
API NO. 047-059 1042
Mingo Frac

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Seneca-Upshur Petr. Co.
Address Box P, Buckhannon, W. Va.
Telephone 304-472-6396

DESIGNATED AGENT Joseph Hager
Address Box P, Buckhannon, W. Va.
Telephone 304-472-6396

LANDOWNER Georgia-Pacific Lumber Co.

SOIL CONS. DISTRICT _____

Revegetation to be carried out by Joseph Hager (Agent)

This plan has been reviewed by Sujan SCD. All corrections and additions become a part of this plan: 2/3/83 (Date)

Louel K. Dolan
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culverts (A)

Structure Diversion Ditch (1)

Spacing Min. Size- 12"

Material Earth

Page Ref. Manual I-8

Page Ref. Manual I-11

Structure DRAINAGE Ditch (B)

Structure Riprap (2)

Spacing _____

Material Rock

Page Ref. Manual I-11

Page Ref. Manual **RECEIVED**

Structure Ditch Relief Cross Dr. (C)

Structure FEB 9 - 1983 (3)

Spacing See Sketch

Material _____

Page Ref. Manual I-5

Page Ref. Manual _____

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

Treatment Area II

Lime three (3) Tons/acre
or correct to pH 6.5

Lime three (3) Tons/acre
or 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 - 2 Tons/acre

Mulch Hay - 2 Tons/acre

Seed* Ky 31 - 35 lbs/acre

Seed* Ky 31 - 35 lbs/acre

Per Rye - 15 lbs/acre

Per Rye - 15 lbs/acre

Ladino Cl 5 lbs/acre

Ladino Clover 5 lbs/acre

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

PLAN PREPARED BY Noeton Surveys & Cons., Inc.

ADDRESS Rt 2- Box 63A

French Creek, W. Va.

PHONE NO. 472-9467

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

1) Date: December 20, 1984
2) Operator's Well No. C-36
3) API Well No. 47 - 059 - 1042-7
State County Perm

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 Georgia Pacific
Address 133 Teachtree St., NE.,
Atlanta, Georgia 30303
(ii) Name
Address
(iii) Name
Address

5 (i) COAL OPERATOR None
Address

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Island Creek Coal Company
Address Paintsville, KY 41240

Name
Address

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
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 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 in 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 X

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

Joseph G. Hager

this 20th day of December, 1984.
My commission expires July 21, 1993.

Sammy L. Shankle
Upshur

WELL

OPERATOR Seneca-Upshur Petroleum Company

By [Signature]
Its Vice President
Address P.O. Box 2048
Buckhannon, WY 26201
Telephone (304) 472-6396



I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book</u>	<u>Page</u>
Cotiga Development Co.	Seneca-Upshur Petro.	1/8	60	92

P 311 718 487
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		Cotiga Development Co.	
STREET AND NO.		Wyndham Prof. Center Suite 1A Edinboro, Pa.	
P.O., STATE AND ZIP CODE		Wyndham, PA 19118	
POSTAGE		\$.37	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	75 ¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60 ¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		APR 20 1984	

PS Form 3800, Apr. 1976

P 311 718 489
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		Georgia-Pacific	
STREET AND NO.		133 Peachtree St. NE.	
P.O., STATE AND ZIP CODE		Atlanta, GA 30303	
POSTAGE		\$.37	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	75 ¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60 ¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		APR 20 1984	

PS Form 3800, Apr. 1976

P 311 718 488
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		Island Creek Coal	
STREET AND NO.			
P.O., STATE AND ZIP CODE		Paintsville, Ky 41240	
POSTAGE		\$.37	
CONSULT POSTMASTER FOR FEES	OPTIONAL SERVICES	CERTIFIED FEE	75 ¢
		SPECIAL DELIVERY	¢
		RESTRICTED DELIVERY	¢
	RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	60 ¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
		SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
		SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		\$ 1.72	
POSTMARK OR DATE		APR 20 1984	

PS Form 3800, Apr. 1976



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IV-35
(Rev 8-81)

JAN - 4 1985

OIL & GAS DIV.
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date June 23, 1983

Operator's
Well No. C-36

Farm

API No. 47 - 059 - 1042

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: 1330' Watershed Right Fork of Laurel Fork
District: Hardee County Mingo Quadrangle Myrtle

COMPANY Seneca-Upshur Petroleum Company
ADDRESS P.O. Box 2048, Buckhannon, WV 26201
DESIGNATED AGENT Joseph G. Hager
ADDRESS P.O. Box 2048, Buckhannon, WV 26201
SURFACE OWNER Georgia-Pacific
ADDRESS P.O. Box 1808, Augusta, Georgia 30909
MINERAL RIGHTS OWNER Cotiga Development Co.
ADDRESS 2nd Floor Rear, 14 E. Lancaster Ave.,
Paoli, PA 19301
OIL AND GAS INSPECTOR FOR THIS WORK Arthur
St. Clair ADDRESS P.O. Box 157, Brenton, WV
PERMIT ISSUED February 10, 1983
DRILLING COMMENCED April 24, 1983
DRILLING COMPLETED May 4, 1983

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	17	17	10
13-10"	124	124	100
9 5/8			
8 5/8	1731	1731	350
7			
5 1/2			
4 1/2		4004	175
3			
2			
Liners used			

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

GEOLOGICAL TARGET FORMATION Marcellus Depth 5,000 feet
Depth of completed well 4088' feet Rotary x / Cable Tools
Water strata depth: Fresh 71 feet; Salt feet
Coal seam depths: 11, 172, 257, 1298 Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 2700' feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 1245 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 525 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)

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JAN - 1 1987
OIL & GAS DIV.
DEPT. OF MINES

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

FOAM FRAC

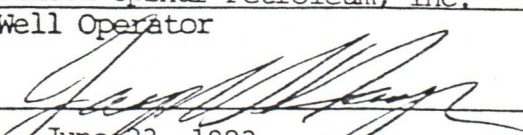
DATE: 6/8/83
 WATER: 873 BBLs.
 SAND: 240,000#
 NITROGEN: 21,680 CCF
 PERFS: 3320' - 3799' 24 .49" Perfs

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			0	11	
Coal			11	13	
Sand			13	71	
Sand & Shale			71	115	
Sand			115	172	
Coal			172	176	
Sand & Shale			176	257	
Coal			257	260	
Sand & Shale			260	325	
Coal			325	329	
Sand & Shale			329	875	
Sand			875	1057	
Sand & Shale			1057	1100	
Sand			1100	1298	
Coal			1298	1301	
Sand			1301	1600	
Sand & Shale			1600	1678	
Big Lime			1678	1956	
Big Injun			1956	1990	
Sand & Shale			1990	2150	
Weir			2150	2210	
Sand & Shale			2210	2546	
Sudbury Shale			2546	2612	
Sand & Shale			2612	2630	
Berea			2630	2700	
Gray Shale			2700	3390	
Brown Shale			3390	3920	
Marcellus			3920	4088	T.D.

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.
Well Operator

By: 
Date: June 23, 1983

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."

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MAR 18 1985



IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES State of West Virginia Department of Mines Oil and Gas Division

Date March 15, 1985 Operator's Well No. C-36 Farm API No. 47 - 059 - 1042-FRAC

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: 1330' Watershed Right Fork of Laurel Fork District: Hardee County Mingo Quadrangle Myrtle

COMPANY Seneca-Upshur Petroleum Company ADDRESS P.O. Box 2048, Buckhannon, WV, 26201 DESIGNATED AGENT Joseph G. Hager ADDRESS P.O. Box 2048, Buckhannon, WV, 26201 SURFACE OWNER Georgia-Pacific ADDRESS P.O. Box 1808, Augusta, Georgia, 30909 MINERAL RIGHTS OWNER Cotiga Development Company 2nd Floor, Rear, 14 E. Lancaster Ave. ADDRESS Paoli, PA 19301 OIL AND GAS INSPECTOR FOR THIS WORK Arthur St. Clair ADDRESS P.O. Box 157, Brenton, WV PERMIT ISSUED 1/10/85 DRILLING COMMENCED DRILLING COMPLETED

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16, 13-10, 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

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

GEOLOGICAL TARGET FORMATION Depth feet Depth of completed well 3100' feet Rotary / Cable Tools Water strata depth: Fresh feet; Salt feet Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA Producing formation Bedford Pay zone depth 2661 feet Gas: Initial open flow Trace Mcf/d Oil: Initial open flow 0 Bbl/d Final open flow 160 Mcf/d Final open flow 0 Bbl/d Time of open flow between initial and final tests 2 hours Static rock pressure 300 psig (surface measurement) after 24 hours shut in (If applicable due to multiple completion--)

(Continue on reverse side)

RECEIVED
DEPT. OF MINES
OFFICE OF GAS DIVISION

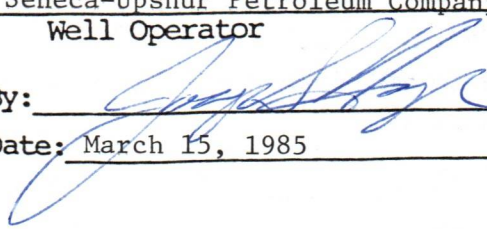
DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

FRAC
 DATE: 3/05/85
 WATER: 253 BBLs.
 SAND: 60,000#
 NITROGEN: 10,180 CCF
 PERFS: 2661' - 2671' 16 .39 Perfs

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum Company
 Well Operator
 By: 
 Date: March 15, 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."

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

RECEIVED
MAR 6 - 1985

OIL & GAS DIVISION

INSPECTOR'S WELL REPORT DEPT. OF MINES

Oil or Gas Well (KIND)

Gas

Permit No. *059-1042 FRAE*

Company *Seneca Opshurst*
 Address *Beckhammon, W.V.*
 Farm *Georgia Pacific*
 Well No. *#36*
 District *Hardy* County *Mingo*
 Drilling commenced *3-1-85 morning*
 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 *Well completed in shale - (mercatas)*

Remarks: *plug back to 3100' four in perforated at 2662"*
pay zone in Bedford sand - (72')
Down waiting on Repairs Dowell's truck
will use 15,000 ²⁴/₄₀ sand 545,000 ¹⁰/₂₀ will be foam (extrigen) frac.
4-85 will flow back into 2 - 200 BBL tanks

DATE

Robert C. St. Clair (609)
DISTRICT WELL INSPECTOR

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

RECEIVED
MAY 1 - 1985

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

Mingo 059-1042 FRAC
Permit No. _____

Final Refused

Oil or Gas Well _____
(KIND) *Gas*

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<i>Seneca Upshure Petr.</i>	Size			
<i>Buckhannon, W.V.</i>	16			Kind of Packer
<i>Georgia Pacific</i>	13			
<i>#C-36</i>	10			Size of
District <i>Lee</i> County <i>Mingo</i>	8 3/4			
Drilling commenced	6 5/8			Depth set
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top
Volume _____ Cu. Ft.				Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names *Little Swiss*

Remarks: *Final Refused due to following*

- 1. No. I.D. tog.*
 - 2. Disturbed areas need Seed & mulch.*
- memo to Seneca*

4-29-85
DATE

John C. St. Clair 509
DISTRICT WELL INSPECTOR

IV-20
Obverse
1-84

RECEIVED

JUL 1 1985

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

26-Mar-85

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OFFICE OF OIL AND GAS
CHARLESTON 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

Company: SENECA UPSHUR PETR
Farm: GEORGIA-PACIFIC

Well: C-36

Permit No. 47- 59-1042 -FRAC (1-10-85)
County: MINGO

Rule	Description	In Compliance	
		Yes	No
23.06	Notification prior to starting work	✓	
25.04	Prepped before drilling to prevent waste	✓	
25.03	High pressure drilling	✓	
16.01	Required permits at wellsite	✓	
15.03	Adequate Fresh Water Casings	✓	
15.02	Adequate Coal Casings	✓	
15.01	Adequate Production Casings	✓	
15.04	Adequate Cement Strength	✓	
15.05	Cement Type	✓	
23.02	Maintained Access Roads	✓	
25.01	Necessary Equipment to Prevent Waste	✓	
23.04	Reclaimed Drilling Pits	✓	
23.05	No Surface or Underground Pollution	✓	
23.07	Requirements for Production & Gathering Pipelines	✓	
7.01	Well Records on Site	✓	
7.02	Well Records Filed	✓	
7.05	Identification Markings	✓	

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED: *Arthur C. A. (509)*
DATE: *6-27-85*

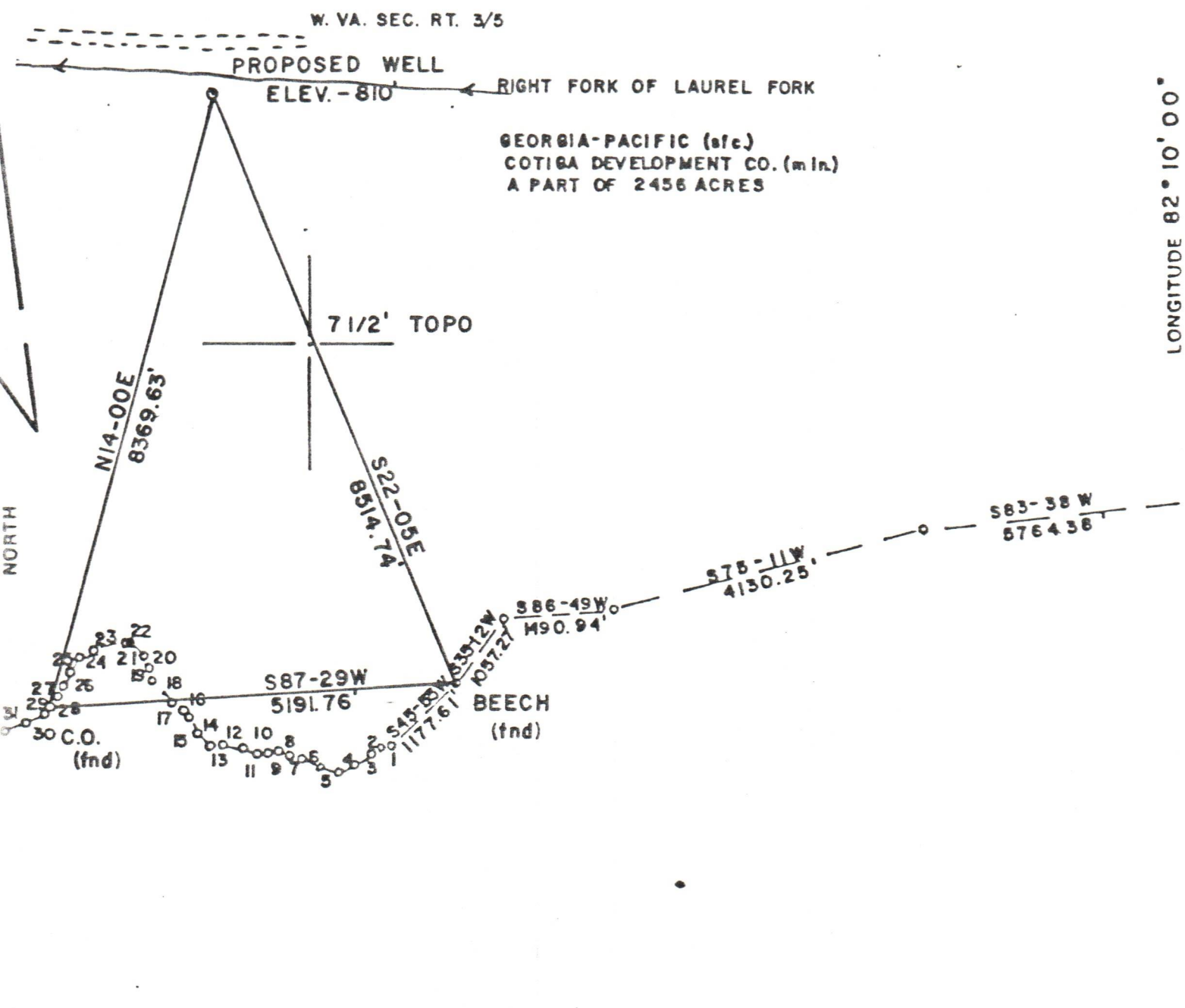
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T.H. r. B.B.

Administrator

July 11, 1985

Date



LONGITUDE 82° 10' 00"

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM TRACE FORK 665 USGS MYRTLE QUAD

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) Raymond D. Gordon
 R.P.E. _____ L.L.S. 624

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JANUARY 28, 19 83
 OPERATOR'S WELL NO. C-36
 API WELL NO. 47-059-1042-Frac.
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS.") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 810' WATER SHED RIGHT FORK OF LAUREL FORK
 DISTRICT HARDEE COUNTY MINGO
 QUADRANGLE MYRTLE
 SURFACE OWNER GEORGIA PACIFIC ACREAGE A PART OF 2456
 OIL & GAS ROYALTY OWNER COTIGA DEVELOPMENT CO. LEASE ACREAGE A PART OF 2456
 LEASE NO. _____
 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 DEVONIAN SHALE ESTIMATED DEPTH 5000'
 WELL OPERATOR SENECA-UPSHUR PETJNC. DESIGNATED AGENT JOSEPH HAGER
 ADDRESS P.O. BOX 2048 ADDRESS P.O. BOX 2048