









MAY 6 - 1983

IV-35  
(Rev 8-81)

OIL & GAS DIVISION  
DEPT. OF MINES

Date May 5, 1983

Operator's  
Well No. C-40

State of West Virginia

Department of Mines  
Oil and Gas Division

Farm \_\_\_\_\_  
API No. 47 - 059 - 1016

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: 1650' Watershed Right Fork of Trace 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, GA 30909

MINERAL RIGHTS OWNER Cotiga Development Co.

ADDRESS 25 Darby Road, Paoli, PA 19301

OIL AND GAS INSPECTOR FOR THIS WORK Arthur

St. Clair ADDRESS P.O. Box 157, Brenton, WV

PERMIT ISSUED July 6, 1982

DRILLING COMMENCED March 29, 1983

DRILLING COMPLETED April 9, 1983

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.	30	30	10
13-10"	1030	1030	450
9 5/8			
8 5/8	2711	2711	500
7			
5 1/2			
4 1/2		5130	175
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Depth 5000 feet

Depth of completed well 5156 feet Rotary X / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 100 feet; Salt \_\_\_\_\_ feet

Coal seam depths: 229,320,624,656,687,940 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4349 - 4963 feet

Gas: Initial open flow Trace Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 561 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 2 hours

Static rock pressure 495 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

MAY 16 1983

(Continue on reverse side)

MINCO 1016





Well No. C-40  
Farm \_\_\_\_\_  
API # 47-059-1012  
Date February 16, 1982

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /

(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /

LOCATION: Elevation: 1520 Watershed: Right Fork of Trace Fork  
District: Hardee County: Mingo Quadrangle: Myrtle

WELL OPERATOR Seneca-Upshur Petroleum, Inc. DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.  
Address P.O. Drawer P Address P.O. Drawer P  
Buckhannon, West Virginia 26201 Buckhannon, West Virginia 26201

OIL AND GAS ROYALTY OWNER Cotiga Development Company COAL OPERATOR None  
Address 25 Darby Road Address \_\_\_\_\_  
Paoli, Pennsylvania 19301  
Acreage 2,044.63

SURFACE OWNER Georgia-Pacific COAL OWNER(S) WITH DECLARATION ON RECORD:  
Address P.O. Box 1808 NAME Island Creek Coal Company  
Augusta, Georgia 30909 Address Pantsville, Kentucky 41240  
Acreage 2,044.63 NAME \_\_\_\_\_  
Address \_\_\_\_\_

FIELD SALE (IF MADE) TO:  
NAME \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME None  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Arthur St. Clair  
Address P.O. Box 157  
Brenton, West Virginia 24818  
Telephone 732-6227

RECEIVED

FEB 18 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease X / other contract \_\_\_ / dated Aug. 1, 1979, to the undersigned well operator from Cotiga Development Company.

(If said deed, lease, or other contract has been recorded:)

Recorded on September 8, 1980, in the office of the Clerk of County Commission of Mingo County, West Virginia, in B.C.L.60 Book at page 92. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ / Plug off old formation \_\_\_ / Perforate new formation \_\_\_ / Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION  
1413 WASHINGTON ST., E.  
CHARLESTON, WV 25311  
Telephone - 304/348-3092

Seneca-Upshur Petroleum, Inc.  
Well Operator

By: [Signature]  
Vice President

BLANKET BOND

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Little Swiss Drilling Company

Address P.O. Drawer P

Buckhannon, West Virginia 26201

GEOLOGICAL TARGET FORMATION Marcellus

Estimated depth of completed well 5000 feet. Rotary X / Cable tools     /

Approximate water strata depths: Fresh, 80 feet; salt, 2300 feet.

Approximate coal seam depths: 320

Is coal being mined in this area: Yes     / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor	16"				X	20	20	To Surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8"		23.00	X		2500	2500	To Surface	
Production	4 1/2"		23.00	X			5000	As Required	Depths set
Tubing								by Rule 15.01	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,

ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 11-5-82

BY [Signature]

[Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator     / owner     / lessee     / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date:    , 19    .

By:    

Its:





Well No. C-40  
Farm Cotiga  
API # 17-059-1016  
Date June 17, 1982

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil \_\_\_ / Gas X /  
(If "Gas", Production X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X /

LOCATION: Elevation: 1650' Watershed: Right Fork of Trace Fork  
District: Hardee County: Mingo Quadrangle: Myrtle

WELL OPERATOR Seneca-Upshur Petroleum, Inc. DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.  
Address P.O. Box 2048 Address P.O. Box 2048  
Buckhannon, West Virginia 26201 Buckhannon, West Virginia 26201

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Address 25 Darby Road Address \_\_\_\_\_  
Paoli, Pennsylvania 19301

SURFACE OWNER Georgia-Pacific COAL OWNER(S) WITH DECLARATION ON RECORD:  
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NAME \_\_\_\_\_  
Address \_\_\_\_\_  
COAL LESSEE WITH DECLARATION ON RECORD:  
NAME None  
Address \_\_\_\_\_

OIL AND GAS INSPECTOR TO BE NOTIFIED:  
NAME Arthur St. Clair  
Address P.O. Box 157  
Brenton, West Virginia 24818  
Telephone 732-6227

**RECEIVED**  
JUN 18 1982  
OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

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(If a deed, lease, or other contract has been recorded in the office of the Clerk of County Commission of Mingo County, West Virginia, in B.C.L. 60 Book at page 92. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate \_\_\_ /  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.  
The above named coal operator, coal owner(s), and coal lessee are hereby notified that any modification they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Department of Mines. Copies of this Permit Application and the enclosed plat and reclamation plan have been filed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE PERMIT COPIES OF ALL PHYSICAL LOGS DIRECTLY TO:  
Seneca-Upshur Petroleum, Inc.  
Well Operator

WEST VIRGINIA OIL AND GAS DEPARTMENT COMMISSION  
1000 MARKET STREET, S.E.  
CHARLESTON, WEST VIRGINIA 25301  
CLARET ROY Vice President



(Revised 3-81)

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Estimated depth of completed well 5,000 feet. Rotary X / Cable tools     /

Approximate water strata depths: Fresh, 80,500 feet; salt, 2650 feet.

Approximate coal seam depths: 320

Is coal being mined in this area: Yes     / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill- ling	Left in Well		
Conductor	16"				X	20	20	To Surface	Kinds
Fresh water									
Coal						350'	350'	CTS	Sizes
Intermed.	8 5/8"		23.00	X		2600	2600	To Surface	
Production	4 1/2"		23.00	X			5000	As Required	Depths set
Tubing								by Rule 15.01	
Liners								Perforations:	
								Top	Bottom

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ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY

APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE

IF OPERATIONS HAVE NOT COMMENCED BY 3-6-83

BY [Signature]

*The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:*

W A I V E R

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Date:    , 19    

By:    

Its: