

A.	S87-51W,	125.20'	Q.	N52-47W,	188.29'	37 48.10
B.	S62-22W,	144.71'	R.	N37-55W,	334.04'	
C.	S55-01W,	207.30'	S.	N30-57W,	177.20'	82 11 50
D.	S65-50W,	222.46'	T.	N31-10W,	181.42'	
E.	N73-17W,	208.17'	U.	N38-41W,	241.95'	
F.	N63-04W,	277.36'	V.	S76-04W,	72.40'	
G.	N63-09W,	167.90'	W.	S77-30W,	410.36'	
H.	N65-16W,	127.75'	X.	S62-13W,	159.79'	
I.	S64-46W,	180.86'	Y.	S29-16W,	213.47'	
J.	S78-42W,	53.40'	Z.	S23-04W,	135.81'	
K.	N65-46W,	221.51'	AA.	S35-14W,	133.15'	
L.	S78-41W,	292.84'	BB.	S29-35W,	157.77'	
M.	N63-14W,	133.48'	CC.	S46-18W,	78.36'	
N.	N30-22W,	214.60'	DD.	S64-32W,	276.03'	
O.	N32-24W,	258.93'	EE.	S67-36W,	275.34'	
P.	N44-21W,	92.18'	FF.	N74-58W,	194.96'	
			GG.	N60-52W,	200.65'	
			HH.	N71-10W,	198.92'	
			II.	N62-16W,	179.96'	
			JJ.	N13-52W,	111.13'	
MM.	N43-21W,	201.60'	KK.	N35-38W,	89.44'	
NN.	N64-10W,	73.51'	LL.	N40-44W,	184.52'	

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 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) Rayne D. Porter
 R.P.E. _____ L.L.S. 624
 Norton Surveys + Consulting, Inc.

PLACE SEAL HERE

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



DATE JANUARY 7, 1982
 OPERATOR'S WELL NO. C-34
 API WELL NO. _____
47 - 059 - 1008
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1410' WATER SHED ROCKHOUSE BRANCH
 DISTRICT HARDEE COUNTY MINGO
 QUADRANGLE MYRTLE Holden 15' SE SW
 SURFACE OWNER GEORGIA PACIFIC ACREAGE A Part of 2,456
 OIL & GAS ROYALTY OWNER COTIGA DEVELOPMENT CO. LEASE ACREAGE A Part of 2,456
 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) 6-6 DEMPSEY SCH.
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5000' DEEP WELL FEB 22 1982
 WELL OPERATOR SENECA-UPSHUR PET. INC. DESIGNATED AGENT JOSEPH HAGER
 ADDRESS P.O. BOX P BUCKHANNON, W. Va. 26201 ADDRESS P.O. BOX P BUCKHANNON, W. Va. 26201



IV-35
(Rev 8-81)

Date June 4, 1982
Operator's
Well No. C-34
Farm _____
API No. 47 059 1008

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: 1410' Watershed Rockhouse Branch
District: Hardee County Mingo Quadrangle Myrtle

COMPANY Seneca-Upshur Petroleum, Inc.
ADDRESS P.O. Box 2048, Buckhannon, WV 26201
DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.
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 24 Darby Road, Paoli, PA 19301
OIL AND GAS INSPECTOR FOR THIS WORK Arthur St. Clair
ADDRESS P.O. Box 157, Brenton, WV

PERMIT ISSUED January 27, 1982
DRILLING COMMENCED March 8, 1982
DRILLING COMPLETED March 22, 1982

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.	18	18	10
13-10"	1065	1065	400
9 5/8			
8 5/8	2397	2397	275
7			
5 1/2			
4 1/2		4709	175
3			
2			
Liners used			

RECEIVED

JUN 10 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

GEOLOGICAL TARGET FORMATION Marcellus Depth 5000 feet
Depth of completed well 4758 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 781 feet; Salt 1035 feet
Coal seam depths: 162,256,365 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3330 feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 730 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 620 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

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

DATE:	4/30/82	5/6/82
NITROGEN:	8350 SCF	9900 SCF
SAND:	90,000#	120,000#
WATER:	465 BBLs.	451 BBLs.
PERFS:	12	12

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	162	
Coal			162	166	
Sand			166	221	
Sand & Shale			221	256	
Coal			256	263	
Sand & Shale			263	365	
Coal			365	371	
Sand & Shale			371	1537	
Sand			1537	1783	
Sand & Shale			1783	1837	
Sand			1837	1841	
Sand & Shale			1841	1900	
Dark Shale			1900	1904	
Sand & Shale			1904	2282	
Big Lime			2282	2560	
Big Injun			2560	2628	
Sand & Shale			2628	2794	
Weir			2794	2849	
Sand & Shale			2849	3196	
Sudburry Shale			3196	3252	
Berea			3252	3330	
Gray Shale			3330	4086	
Brown Shale			4086	4600	
Marcellus			4600	4758	T.D.

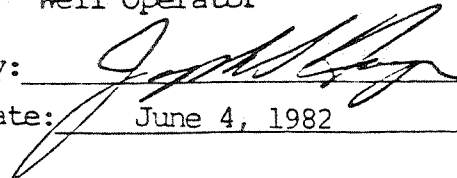
RHINE STREET

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.

Well Operator

By:



Date: June 4, 1982

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 those encountered in the drilling of a well."



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: 1410' Watershed: Rockhouse Branch
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
Address 24 Darby Road
Paoli, Pennsylvania 19301
Acreage Part of 2,456

COAL OPERATOR None
Address _____

SURFACE OWNER Georgia-Pacific
Address P.O. Box 1808
Augusta, Georgia 30909
Acreage Part of 2,456

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Island Creek Coal Company
Address Pantsville, Kentucky 41240

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
JAN 12 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 deed, lease, or other contract has been recorded:)

Recorded on _____, 19____, in the office of the Clerk of County Commission of _____ County, West Virginia, in _____ Book at page _____. 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:

Seneca-Upshur Petroleum, Inc.
Well Operator

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

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 / 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 /

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	30	30	To Surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8"		23.00	X		2370	2370	To Surface	
Production	4 1/2"		23.00	X			4850	As Acquired 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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 9-27-82.

J. M. Murray
Deputy Director - Oil & Gas Division

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: _____