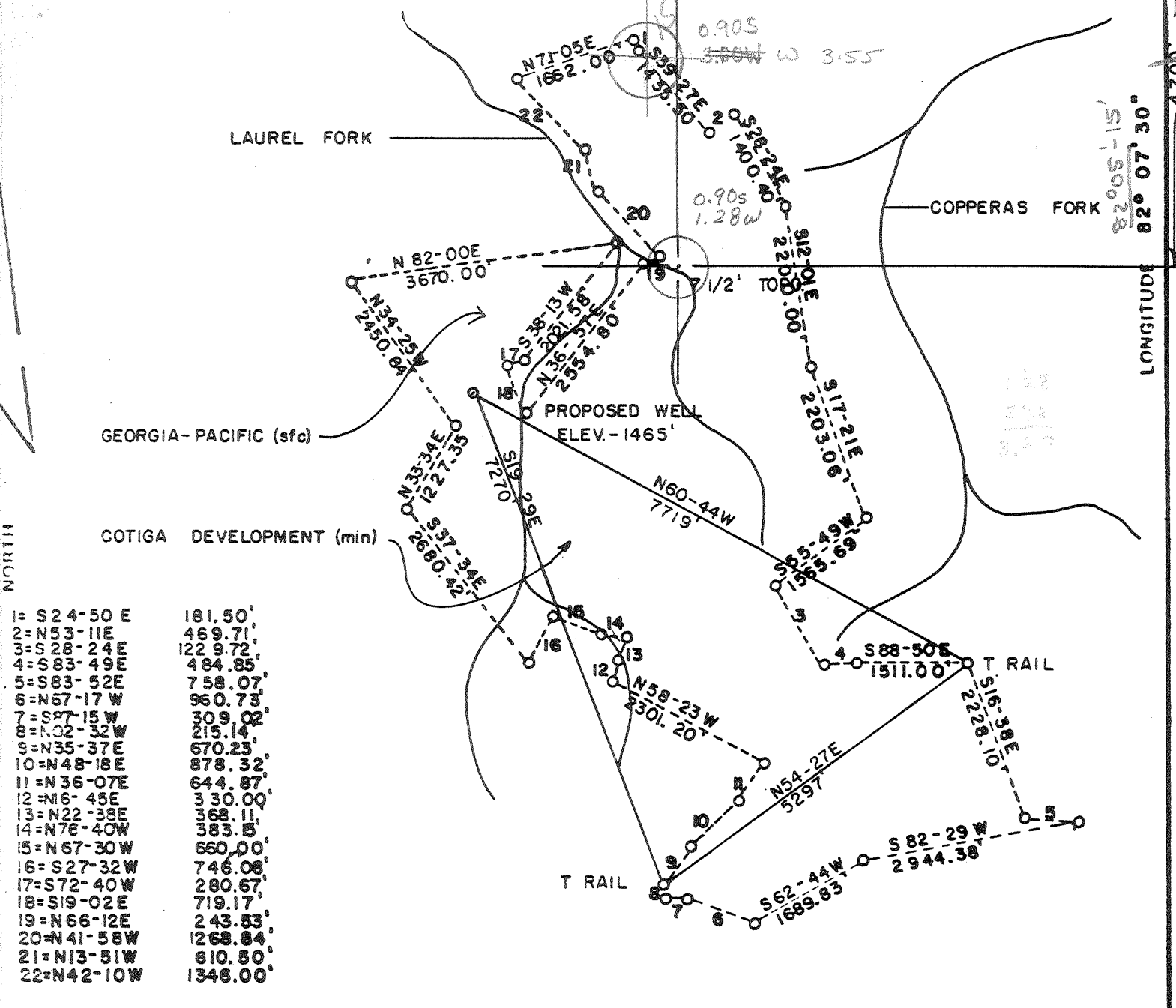


Plot Card J 050

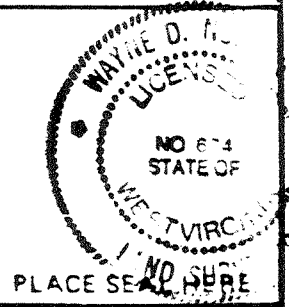
37° 50' 00"



1= S 24-50 E	181.50'
2=N 53-11E	469.71'
3=S 28-24E	122.972'
4=S 83-49E	484.85'
5=S 83-52E	758.07'
6=N 67-17 W	960.73'
7=S 87-15 W	309.02'
8=N 32-32W	215.14'
9=N 35-37E	670.23'
10=N 48-18E	878.32'
11=N 36-07E	644.87'
12=N 16-45E	330.00'
13=N 22-38E	368.11'
14=N 78-40W	383.5'
15=N 67-30W	660.00'
16=S 27-32W	746.08'
17=S 72-40W	280.67'
18=S 19-02E	719.17'
19=N 66-12E	243.53'
20=N 41-58W	1268.84'
21=N 13-51W	610.50'
22=N 42-10W	1346.00'

FILE NO _____
 DRAWING NO _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION USGS BM TRACEFORK 665 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) Wayne D. Peacor
 R.P.E. _____ L.L.S. 624
 Norton Survey & Consulting, Inc.



-- DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-E (878)



DATE SEPTEMBER 8, 19 83
 OPERATOR'S WELL NO. C-75
 API WELL NO. 47 - 059 - 1079
 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 1465' WATER SHED LAUREL FORK
 DISTRICT HARDEE COUNTY MINGO
 QUADRANGLE MYRTLE Holden 15' 9C
 SURFACE OWNER GEORGIA PACIFIC ACREAGE 1030
 OIL & GAS ROYALTY OWNER COTIGA DEVELOPMENT CO. LEASE ACREAGE 1030
 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) _____

OCT 18 1983

WELL ABANDONED ___ CLEAN OUT AND REPLUG ___
 WELL OPERATOR MARCELLUS ESTIMATED DEPTH 5200'
 WELL OPERATOR SENECA-UPSHUR PET. INC. DESIGNATED AGENT JOSEPH HAGER DEEP WELL
 ADDRESS P.O. BOX 2048 BUCKHANNON, W. VA. 26201
 ADDRESS P.O. BOX 2048 BUCKHANNON, W. VA. 26201

6-6 Logan-Holder-Dingess (274)



IV-35
(Rev 8-81)

Date December 13, 1983

Operator's
Well No. C-75

State of West Virginia
Department of Mines
Oil and Gas Division

Farm _____
API No. 47 - 059 - 1079

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: 1465' Watershed 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 133 Teachtree St., Atlanta, GA 30303
MINERAL RIGHTS OWNER Cotiga Development Company
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 10/14/83
DRILLING COMMENCED 11/10/83
DRILLING COMPLETED 11/18/83

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	20	20	10
13-10"	894	894	500
9 5/8			
8 5/8	2399	2399	460
7			
5 1/2			
4 1/2		4861	185
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 5200 feet
Depth of completed well 4912 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 1135 feet; Salt 1855 feet
Coal seam depths: 242', 675', 782' Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3360 feet
Gas: Initial open flow Trace Mcf/d Oil: Initial open flow 0 Bbl/d
Final open flow 823 Mcf/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure 500 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.
FOAM FRAC

DATE: 12/1/83
 WATER: 740 BBLs.
 SAND: 210,000#
 PERFS: 4060' - 4649' 33 .49 Perfs
 NITROGEN: 23180 CCF

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	83	
Sand			83	242	
Coal			242	245	
Sand			245	512	
Sand & Shale			512	675	
Coal			675	678	
Sand & Shale			678	782	
Coal			782	785	
Sand & Shale			785	858	
Open Hole			858	861	
Sand & Shale			861	2402	
Big Lime			2402	2680	
Big Injun			2680	2696	
Sand & Shale			2696	2819	
Weir			2819	2892	
Sand & Shale			2892	3232	
Sudbury Shale			3232	3280	
Berea			3280	3360	
Gray Shale			3360	4140	
Brown Shale			4140	4726	
Marcellus			4726	4912	T.D. Huron

4912
 3360
 1552
 Onondaga at 4903'
 with elev. = 1475 K.6

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum Company

Well Operator

By: 

Date: _____

December 13, 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."



1) Date: September 9, 19 83
 2) Operator's Well No. C-75
 3) API Well No. 47 - 059 - 1079
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, 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: 1465' Watershed: Laurel Fork
 District: Hardee County: Mingo Quadrangle: Myrtle
- 6) WELL OPERATOR Seneca-Upshur Petroleum, Inc. 7) DESIGNATED AGENT Joseph G. Hager
 Address: P.O. Box 2048 Address: P.O. Box 2048
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Arthur St. Clair Name Little Swiss Drilling Company
 Address P.O. Box 157 Address P.O. Box 2048
Brenton, WV 24818 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Marcellus
- 12) Estimated depth of completed well, 5200 feet
 13) Approximate trata depths: Fresh, 420 feet; salt, 920 feet.
 14) Approximate coal seam depths: 320 Is coal being mined in the area? Yes /

RECEIVED
 SEP 19 1983

OIL & GAS DIVISION
 DEPT. OF MINE

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	20	20	To Surface	Kinds
Fresh water	11 3/4"					1000	1000	To Surface	By Rule 15.05
Coal									Sizes
Intermediate	8 5/8"		23.00	X		2360	2360	To Surface	
Production	4 1/2"		23.00	X			5200	As Required	Depths set
Tubing								by Rule 15.01	
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-059-1079 Date October 14, 19 83

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 October 14, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>6140</u>

 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.