

IV-35

(Rev 8-81)

## State of Mest Birginia

Bepartment of Mines noieivich as & dau lid

Date	June	<u> 4</u>	1982	
Operato	or's			
Well No	<b>)</b> .	C-3	2	
			M	THE PERSON NAMED IN COLUMN 2
Farm				
API No.	. 47	-059	des	1006

### WELL OPERATOR'S REPORT

### DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas $\underline{x}$ / Liquid Injection (If "Gas," Production $\underline{x}$ / Underground	/Wast ind Storag	e Disposa ge/ Deeg	l/ p/ Sha	llow_x/)			
LOCATION: Elevation: 1560' Watershed Rockhouse Branch							
District: Hardee County Mingo			e Myr	tle			
COMPANY Conogn Inches Details T			***************************************				
COMPANY Seneca-Upshur Petroleum, Inc. ADDRESS P.O. Box 2048, Buckhannon, WV 26201	I		_	Cement			
DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.	Casing	Used in	Left	fill up			
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Tubing	Drilling	in Well	Cu. ft.			
SURFACE OWNER Georgia-Pacific	Size 20-16	7	_	Service Control of the Control of th			
ADDRESS P.O. Box 1808, Augusta, Georgia 30909	Cond.	15	15	10			
MINERAL RIGHTS OWNER Cotiga Development Co.	13-10"						
ADDRESS 24 Darby Road, Paoli, PA 19301	9 5/8						
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	8 5/8	2538	2538	500			
St. Clair ADDRESS P.O. Box 157, Brenton, WV	7						
PERMIT ISSUED January 27, 1982	5 1/2		4045				
DRILLING COMMENCED February 12, 1982	<u>4 1/2</u> 3		4847	175			
DRILLING COMPLETED February 23, 1982		18818	CEIN	9 (20) (20)			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	69.79.	<b>601</b>	الولقان الم			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners	j	UN - 9 19	32			
ON	useđ	Oil	AND GAS D	ivisio <i>N</i>			
GEOLOGICAL TARGET FORMATION Marcellus							
Depth of completed well 4882 feet R							
Water strata depth: Fresh 85 feet;			Add mod States				
Coal seam depths: 112, 246, 335, 433, 793,			ed in the	area?No			
OPEN FLOW DATA							
Producing formation Devonian Shale	Pay	zone dept	h3456	feet			
Gas: Initial open flow Trace Mcf/d	Oil: Ini	tial open	flow0	Bbl/d			
Final open flow 696 Mcf/A	Fin	al open fl	.aw0	Bbl/d			
Time of open flow between initi	al and fi	nal tests_	2 hou	irs			
Static rock pressure 580 psig(surface	measurem	ent) after	24 hou	rs shut in			
(If applicable due to multiple completion-	-)						
Second producing formation	Pay	zone dept	h	feet			
Gas: Initial open flowMcf/d	Oil: Ini	tial open	flow	Bbl/d			
Final open flowMcf/d	Oil: Fina	al open fl	.ow	Bbl/d			
Time of open flow between initi	al and fir	nal tests_	hou	ırs			
Static rock pressurepsig(surface)	measuremer	nt) after_	hour	rs shut in			
	1861 > 2 N <b>n</b>	(Contin	ue on rev	ອກພະ ຮຳລ້ວ)			

FORM IV-35 (REVERSE)

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

DATE:

5/12/82

5/19/82

NITROGEN: 8800 SCF

7950 SCF

SAND:

90,000#

98,000 SEF #

WATER:

372 BBLS.

437 BBLS.

PERFS:

12

12

#### WELL LOG

			REMARKS		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET			
			and salt water, coal, oil and gas		
Sand & Shale	0 .	112			
Coal	112	116			
Sand & Shale	116	246			
Coal	246	250	<u>-</u> .		
Sand & Shale	250	335			
Coal	335	340			
Sand & Shale	340	433			
Coal	433	437			
Shale & Sand	437	793			
Coal	793	796			
Sand & Shale	796	876			
Coal	876	880			
Sand	880	1160			
Sand & Shale	1160	1789			
Dark Shale	1789	1843			
Sand & Shale	1843	2130			
Salt Sand	2130	2235			
Sand & Shale	2235	2305			
Gray Shale	2305	2315			
Salt Sand	2315	2352			
Sand & Shale	2352	2425			
Big Lime	2425	2703			
Big Injun	2703	2742			
Sand & Shale	2742	2904			
Weir	2904	2968	•		
Sand & Shale	2968	3310			
Sudburry Shale	3310	3368			
Berea	3368	3456			
Gray Shale	3456	4200			
Brown Shale	4200	4728			
Marcellus PHINE STREET	4728	4882	T.D.		
11227			Orandaga at 4876		
			Onandaga at 4876' (with elev = 1570 Kb)		
	BSQ (circles)		COMM FORM I ELIZATION		
*	-1	4 [			

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.

Well Operator

June 4, 1982

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic lethiled geological record of all formations, including the conscience in the Irilling of a well."



Well	No.	C-3	32		
Farm					
		- 059 -			
$\mathtt{Dat} e$	Ja	nuary	11, 198	32	

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

UIL AND GASMELL F	ERMI APPLICATION
WELL TYPE: 011 / Gas X /	
(If "Gas", Production X / Unde	erground storage / Deep / Shallow X /
10017100	De al la completa
LOCATION: Elevation: 1560' Watersho District: Hardee County:	Mingo Quadrangle: Myrtle
	DESIGNATED AGENT Seneca-Upshur Petroleum, Inc
Address P.O. Drawer P	Address P.O. Drawer P
Buckhannon, West Virginia 26201	Buckhannon, West Virginia 26201
ROYALTY OWNER Cotiga Development Company	COAL OPERATOR None
Address 24 Darby Road Paoli, Pennsylvania 19301	Address
Paoli, Pennsylvania 19301	
Acreage Part of 2,456	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Georgia-Pacific	NAME Island Creek Coal Company
Address P.O. Box 1808 Augusta, Georgia 30909	Address Pantsville, Kentucky 41240
	AFAME
Acreage Part of 2,456	NAMEAddress
FIELD SALE (IF MADE) TO:	
NAME	
Address	COAL LESSEE WITH DECLARATION ON RECORD:
	Address
OIL AND GAS INSPECTOR TO BE NOTIFIED:	process only 1984 and 1985 and
HAME 3 13 GL G3	
NAME Arthur St. Clair Address P.O. Box 157	A POSTERIO CAREERO
Brenton, West Virginia 24818	JAN 1 2 1982
Telephone 732-6227	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
	WV DEPARTMENT OF MINES
bove location under a deed / lease x to the undersigned well operator from Coti	been recorded:)
Recorded on, 19, in the off	fice of the Clerk of County Commission of
County, West Virginia, in	Book at page A permit is
requested as follows:	그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
Plug off old formation	/ Redrill / Fracture or stimulate / / Perforate new formation /
Other physical change in	well (specify)
planned as shown on the	work order on the reverse side hereof.
wheretion they wish to make or are required	, and coal lessee are hereby notified that any to make by Code \$22-4-3 must be filed with the
Department of Mines within fifteen (15) days	safter receipt of this Application by the Dept.
copies of this Permit Application and the er	iclosed plat and reclamation plan have been
mailed by registered mail or delivered by ha	and to the above named coal operator, coal own-
to the Department of Mines at Charleston, We	of the mailing or delivery of this Application
THE STATE WARRY COLUMN TO THE STATE OF THE S	sst virginia.
PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:	
The same to the same of the sa	Sangra-Inchir Dotrolow Too
•	Seneca-Upshur Petroleum, Inc. Well Operator
WEST VIRGINIA OIL AND GAS	Seneca-Upshur Petroleum, Inc. Well Operator
CONSERVATION COMMISSION By	Well Operator
	Well Operator

(Revised 3-81)

#### PROPOSED WORK ORDER

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

DRILLING C	ONTRACT	OR (IF	KNOWN)	Litt	le Sw	iss Drilli	ng Compan	v		
			ddress							
		Λ'	001633	***************************************						
			· ·	Buck	hannoi	n, West Vi	rginia 2	6201		
Approxi	ed depti mate wa mate co	h of cor ter str al seam	mpleted ata dept	well_ hs:	5000 Fresh 20	,	_feet;	ry X / Cabl	e tools feet.	
CASING AND	TUBING	PROGRA	М							
CASING OR		SPE	CIFICATI	ONS				CEMENT FILL-		KERS
TUBING TYP	i	104-	Weight	( M =				UP OR SACKS		a Signal and
Conductor	16"	Grade	per ft	New	Used	1ing 30	30	Cubic ft. To Surface	Kinds	
Fresh wate	r	+			+	- J		10 9411400	;	Martin Martin Control of the Control
Coal									Sizes	
Intermed.	8 5/8"	.)	23.00	X		2370	2370	To Surface		
Production	4 1/2"		23.00	X	ļ		4850	As/Required		set
Tubing Liners				<del> </del>	-			by Rule 15.0	1	
rinei 2				-	-				Perfora   Top	Bottom
				+					<u> 10p.                                     </u>	DOLLON
					1					***************************************
822- poses A seguine sough	4-8a frod well.  parate liperate in the fraction of the fracti	Form IV- uring or is noted POSTED  Coccordance This menced by	owner of  2 shall c stimul d as suc  AT THE  ce with Ch is hereby  permit shall 9-27-8	any : not . ating h on  WELL S opler 2	water be rec is to the Fo	well or o quired for o be part	welling ur fracturi of the wo	consent requivithin 200 feing or stimul ork for which connection the	et of t ating a a perm	he pro- well it is
or cois to the undersing of the signed has	gned co s exami well l no obje or has	see who sued with all oper ned this ocation to complie	has recthin fif  ator_s propose, the we do with a	orded teen / own sed we ell lo ork pr	a dec (15) c W A I er 11 location copose	claration days of re VER lessee cation. n has been d to be de	under Coceceipt the  / of If a mine n added to	rator and by  de §22-4-20,  ereof:  the coal unde  map exists when the mine man  is location,  f the West V	if the er this which co ap. The provide	well overs the under- ed the
7a E C .		, 19	•	•						**
					В	у:				

Its: