



IV-35 (Rev 8-81)

RECEIVE Hinde of Mest Virginia

AUG 1 3 1982

Bepartment of Mines Oil and Cas Pivision

Date	August 1	2, 1982
Operat	or's	
Well N	o. C-2	8
Farm_		
ADT No	47 _ 050	_ 0000

OIL AND GAS DIVISION WYDEPARTMENT OF MINE WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Undergrou	/ Wast nd Storag	e Disposa e/ Deep	l/ p/ Sha	llow <u>x</u> /)
LOCATION: Elevation: 1420' Watershed	Rockhouse	Branch	,	
District: Hardee County Mingo			≥ Myr	tle
COMPANY Seneca-Upshur Petroleum, Inc.				
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Caşing	Used in	Ieft.	Cement
DESIGNATED AGENT Seneca-Upshur Petroleum, Inc.	Tubing			fill up Cu. ft.
ADDRESS P.O. Box 2048, Buckhannon, W 26201	Size			
SURFACE OWNER Georgia-Pacific	20-16	17	17	10
ADDRESS P.O. Box 1808, Augusta, GA 30909	Cond.			
MINERAL RIGHTS OWNER Cotiga Development Comapr	13-10" Yo. 5 / 9			
ADDRESS 25 Darby Road, Paoli, PA 19301		2425	2425	450
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	8 5/8 7			
St. Clair ADDRESS P.O. Box 157, Brenton, W	5 1/2			
PERMIT ISSUED 11/30/81			4676	160
DRILLING COMMENCED 12/16/81	<u>4 1/2</u> 3		4070	100
DRILLING COMPLETED 1/3/82	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus	<u> </u>	Dont	h 500	0 feet
Depth of completed well 4744 feet R	otarz Y			
Water strata depth: Fresh 126 feet;	***************************************		10015	
Coal seam depths: 171, 206, 252, 345	-		ed in the	area? No
				4150-4275
OPEN FLOW DATA Devonian Shale	_		d transfer and the second	4441-4644
Producing formation Devonian Shale				
Gas: Initial open flow Trace Mcf/d				
Final open flow 793 Mcf/d				
Time of open flow between initi		_		
Static rock pressure 540 psig(surface		ent) after	24 hou	rs shut in
(If applicable due to multiple completion-			•	. .
Second producing formation				
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between initi				
Static rock pressurepsig(surface:	measureme			
		(Contin	zie on Alfer	verse side)

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

DATE:

5/25/82

6/1/82

NITROGEN: 8000 SCF

9150 SCF

WATER:

378 BBLS.

451 BBLS.

SAND:

90,000#

120,000#

PERFS:

12 4441'-4644'

12 4150'-4275'

WELL LOG

				REMARKS		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET		indication water, coal		
Sand Coal Sand Coal Sand Coal Sand Coal Sand Coal Sand & Shale Sand Shale Sand Shale Salt Sand Shale Salt Sand Shale Sand & Shale Sand Big Lime Big Injun Sand & Shale Weir Sand & Shale Sudburry Shale Berea Gray Shale Brown Shale Brown Shale	0 171 176 206 210 252 258 345 511 1547 1645 1743 1765 2133 2308 2586 2662 2812 2880 3218 3265 3362 3988 4580	171 176 206 210 252 258 345 348 1547 1645 1743 1765 2133 2308 2586 2662 2812 2880 3218 3265 3362 3988 4580 4744	T.D.			
o of condete 4740 from may - de		Garage is			**************************************	

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.

Well Operator

Date:

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 enal, encountered in the drilling of a well."

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION 1613 WASHINGTON ST., E.

Telephone - 304/348-3092

CHARLESTON, WV 25311 BLANKET BOND



Well No	, C-28	
Farm		
AP1 #47	059	0998
Date	November 12,	1981

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS - DEPARTMENT OF MINES OIL AND GASWELL PERMIT APPLICATION WELL TYPE: 011 / Gas X / (If "Gas", Production X / Underground storage / Deep / Shallow X / Watershed: Rockhouse Branch LOCATION: Elevation: 1420 District: Hardee County: Mingo Quadrangle: Myrtle WELL OPERATOR Seneca-Upshur Petroleum, Inc. DESIGNATED AGENT Seneca-Upshur Petroleum, Inc. Address P.O. Drawer P Buckhannon, West Virginia 26201 Address P.O. Drawer P Buckhannon, West Virginia 26201 Address 25 Darby Road ROYALTY OWNER COAL OPERATOR None Address Paoli, Pennsylvania 19301 Acreage 858.00 COAL OWNER(S) WITH DECLARATION ON RECORD: SURFACE OWNER Georgia-Pacific, Exchange OilsGasNAME Island Creek Coal Company Address 1250 Poydras St., 24th Floor Address Pantsville, Kentucky 41240 New Orleans, Touisianna 70112 Acreage 858.00 NAME Address FIELD SALE (IF MADE) TO: Address COAL LESSEE WITH DECLARATION ON RECORD: Address OIL AND GAS INSPECTOR TO BE NOTIFIED: RECEIVED NAME Arthur St. Clair Address P.O. Box 157 NOV 1 3 1981 Brenton, West Virginia 24818 Telephone 732-6227 OIL AND GAS DIVISION WY 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 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 / 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

Its:

Vice President

(Revised 3-81)

PROPOSED WORK ORDER

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

								JPON COMPLET	ION	
DRILLING CO	ONTRACT	OR (IF	KNOWN)	Lit	tle Sv	viss Drill	Ling Compa	ny		
		А	ddress	P.0). Drav	ver P	~			
				Buc	khanno	on, West V	/irginia	26201		
GEOLOGICAL Estimate Approxim Approxim Is coal	d depti nate wa nate co	h of co ter str al seam	mpleted ata dept depths:	well_ hs:	5000 Fresh		t。 Rotai _feet; s _x_/	ry_x / Cab salt,	le tools feet。	/
CASING AND										
CASING OR	1	SPE	CIFICATI					CEMENT FILL		KERS
TUBING TYPE			Weight				1	UP OR SACKS		Services
	Size	Grade	per ft	New				Cubic ft。		5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Conductor	16"	<u> </u>		4	X	30	30	To Surface	Kinds	
Fresh water		1		ļ					;	
Coal	0 = 700			ļ				sparker in the contract of	Sizes	
Intermed.	8 5/8"		20.00	X		2450	2450	To Surface		
Production	4 1/2"	<u> </u>	10.50	X			5000	As Required		set
Tubing		1			ļ	-		by Rule 15.	01	
Liners			4	-		1		: :	Perfora	
	·		-	 	 				Тор	Bottom
	1			-	 				:	
Regulations have	Lation IV-9, IV-9, I-12b and Ired by I-8a from I well. Darate I I fraction I the	12, or "Reclamed Regulation Regulation Regulation Regulation IV uring or is note posted accordance location. This presented by the Gas Diversity Regulation Regulatio	in lieu ation Pl lation 2 22-4-12a owner of -2 shall r stimul d as suc ATTHE WI shereby of 7-30-82 dision	there an" a 3, (i 4, and any not ating h on ELL SIT Dier 22 pproved expire	eof the application of the record of the rec	e other seable to to be part orm IV-2	ecurity and he reclame iously parable, the welling was fracture of the we filed in a	ne of the for clowed by Cook tion required on the same consent required within 200 feather which for which connection to	de \$22-4 ed by Co ne well, wired by eet of t lating a n a perm herewith	!-2, (iii) ode the fee code the pro- well it is
or earlis to	gned cos exami well loo object or has	see who sued wi al oper ned this ocation to complie	has rec thin fif Tator s propos n, the we to the wo ed with a	orded teen / owr sed we ell lo	$\frac{U \cdot A \cdot C}{(15) \cdot C}$ $\frac{U \cdot A \cdot L}{(15) \cdot C}$ Pocation ropose	claration days of real $\frac{V}{I} = \frac{R}{I}$ lessee cation. In has been do to be defined.	under Coceceipt the / of If a mine n added to	rator and by de \$22-4-20, ereof: the coal und map exists the mine mine mine from the West V	if the er this which co ap. The provide	well overs the under-
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