



IV-35 (Rev 8-81)

DECETVES prie of Mest Mirginia de Mines

Aug 2 2 1984 Gil und Gas Bivision

Date	January	10,	1984
Operator			
Well No.	C-70		
Farm			
ADT NO	47 _ 04	5 _	1086

WEIL TYPE: Oil / Gas $X$ / Liquid Injection (If "Gas," Production $X$ / Underground	/ Wast	e Disposal e/ Deer	/ / Sha	llow_X/)
LOCATION: Elevation: 1730' Watershed	Copperas	Fork		
District: Island Creek County Logs				
Company Company				
COMPANY Seneca-Upshur Petroleum Company  ADDRESS P.O. Box 2048, Buckhannon, WV 26201				Cement
DESIGNATED AGENT Joseph G. Hager	Casing	Used in		fill up Cu. ft.
	Tubing	Drilling	nu well	l cu. It.
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Size 20-16			
SURFACE OWNER Georgia-Pacific	Cond.	30	30	10
ADDRESS 133 Teachtree St., N.E., Atlanta, GA	13-10"	1204	1204	140
MINERAL RIGHTS OWNERCotiga Development Company  2nd Floor Rear, 14 E. Lancaster Ave.  Paoli, Pennsylvania 19301	9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	8 5/8	2649	2649	420
	7			
Sr Clair ADDRESS P.O. Box 157, Brenton, W	5 1/2		5000	
PERMIT ISSUED 6/24/83	4 1/2		5088	175
DRILLING COMMENCED 10/19/83	3			
DRILLING COMPLETED 10/29/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners useđ			
		Den	th 5:	200 feet
Depth of completed well 5141 feet	Rotary w			
Water strata depth: Freshfeet;				
Coal seam depths: 10',151',336',349',523', 665',1180'	Is coal	being min	ed in the	e area?N
OPEN FLOW DATA				
Producing formation Devonian Shale				
Gas: Initial open flow Trace Mcf/d	Oil: In	itial oper	flow_0	Bbl/d
Final open flow 880 Mcf/d				
Time of open flow between init				
Static rock pressure 590 psig(surface	e measure	ment) afte	24 ho	urs shut in
(If applicable due to multiple completion	ı)			SEP 24_1984
Second producing formation				
Gas: Initial open flow Mcf/d	Oil: Ir	itial oper	flow	Bbl/c
Final open flow Mcf/d	Oil: Fi	nal open i	low	Bbl/c
Time of open flow between init	cial and f	inal test	<u> </u>	ours
station and arrange and arrange	, moomira	mntl after	r ha	urs shut in

FORM IV-35 (PEVERSE)

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

FOAM FRAC:

DATE:

12/21/83

WATER:

838 BBLS.

SAND:

210,000#

PERFS:

4368' - 4969'

30 .49 Perfs

NITROGEN:

20,180 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
Surface Coal Shale Coal Shale Sand Coal Sand Coal Sand Shale Coal Shale Coal Shale Coal Sand & Shale Coal Sand & Shale Red Rock Sand & Shale Red Rock Sand & Shale Red Rock and Shale Big Lime Big Injun Sand & Shale Weir Sand & Shale Sudburry Shale Berea Gray Shale Brown Shale Marcellus	0 10 13 151 155 160 336 340 349 357 446 523 527 665 678 1180 1185 1356 2309 2313 2340 2566 2844 2878 3000 3062 3400 3452 3510 4370 4942	10 13 151 155 160 336 340 348 357 446 523 527 665 678 1180 1185 1356 2309 2313 2340 2566 2844 2878 3000 3062 3400 3452 3510 4370 4942 5141	T.D. Huren@T.D.  5141 3510
			1631

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum Company
Well Operator
By: ( Sufficient)
Dates January 10, 1984

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 encountered in the drilling of a well."

**DRILLING CONTRACTOR:** 

ittle Swiss Drilling Co.



1)	Date:	May 24	, 19
2)	Operator's		

Well No.\_ 3) API Well No. \_\_47

State County

Permit

## STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

## OIL AND GAS WELL PERMIT APPLICATION

4) \	WELL TYPE:	A Oil	1000	/ Gas _	X					
<i>(</i> ) T	OCATION		'Gas'', Pr	oduction _	-		Underground st	orage	_/ Deep	/ Shallow/)
5) 1	LOCATION:	Eleva Distri		Islan	d Cx	cools	Watershed:	Logen	Quadrangle:	Myrtle
6) 1	WELL OPERA		Series	oca-Ups	hur	Petro	County:		AGENT	
0)	Address	P.O	. Box	2048				Address	AGENT	2043
		Duc	Manne	M, Mes	t Vi	rgini	26201	Address _	Duckhamire	n. West Virginia
7) (	OIL & GAS									
F	ROYALTY OV	VNER _	AND SALVEY WILLIAM STATES	The second secon	elon	ment (	Zorpany 12	2) COAL OPERAT	TOR	
	Address	2nd		Boar,	14	B. Lm	ionstor Ave	Address _		
				nosylv	mia	193	01			Customer -
	Acreage	103					13			ATION ON RECORD:
8) S	SURFACE OW	NER		TROP	CO.ESI/	G			aland Oresk C	THE RESERVE THE PARTY OF THE PA
	Address	E + U		Groveri	. 3	0909		Address _	Painwayii	le, Kentucky 41
		103	NAME OF TAXABLE PARTY.			U3U3				
0) E	Acreage FIELD SALE							Name		
9) [	Address	(IF MAD	E) 10:					Address .		
	Audicss						14	OALLESSEE	WITH DECLARATI	ON ON PECOPD.
10) (	OIL & GAS IN	ISPECTO	OR TO BE	NOTIFIE	D				WITH DECLARATI	
	Name		ur St	. Clair				Address	P.O. Bow	
100	Address	P.C	, Dec	157	Me die				To leat a factor of	
		j tree	aton,	Work V	( pert)	da :	14213			
15) F	ROPOSED W	ORK:						/ Fract		
								ew formation		
			Other ph	ysical char	ige in v	well (spec	ify)			
16) (	GEOLOGICAI	TARGE	T FORM.	ATION, _		Marco	llus			
17	) Estimated	depth of c	completed	well,		5200	feet			
18	3) Approxima	ate water	strata depi	hs: Fresh	,	680	feet;	salt,	feet.	
19	) Approxima	ate coal se	am depths	s:		323	Is coal	being mined in the a	rea? Yes	/ No/
20) (	CASING AND	TUBINO	G PROGR	AM						
C	ASING OR		SD	ECIFICATION	JC	11	FOOTAGE	E INTERVALS	CEMENT ELL LIB	I DACVERS
	UBING TYPE			Weight		1			OR SACKS	PACKERS
-		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
_	ductor		)			-	20	20	10 currents	Kinds
Coa	h water		1				Ag C	San Sur!	6-112	es succession de la
-	rmediate	3 5/3	1	23,00	X		2610	2610	To Rueforn	Sizes
	duction	4 1/2		23.00	X			5200	ha Rossofand	Depths set
Tub	ing				BEE				or Bulle 15,0	Depths see
Line	ers			Contract to						Perforations:
										Top Bottom
Is sin pin ff the sin	The required Coyler of this Islands and Condition of this Islands and Condition of this Islands and Condition of the Islands and Condition of the Islands and Condition of the Islands and Commission of the Islands and	is the leadirement of OVISION tract, profession for contracted? is No, no seed of the contracted of th	se or lease of Code 22 IS oduce or manpensation. Yes thing addrerse side. poplication all owner(sest Virgini	es or other 2-4-1-(c) (1)  arket the o  1 to the ow  No   and the end  and the end  a.	il or ga il or ga rner of eeded. closed	shown be	on a lease or other gas in place which were is Yes, you must reclamation plan is fore the day of the series of the control of	r specifics.)  r continuing contract ch is not inherently hay use Affidavit For have been mailed by the mailing or delivery  Signed:  Its:  NLY  RMIT	t or contracts providing related to the volume orm IV-60.  registered mail or delay of this Permit Applied.  Date	e with the pertinent legal re-
(Refer proper	to No. 10) Pri district oil an expires	or to the o	pector 24	on of roads hours before	, location and the control of the co	ons and p al permit	its for any permitt ted work has com- unless dri	ed work. In addition menced.)	, the well operator or i	and Gas Inspector. his contractor shall notify the
Boi	id:	Agent		Plat:		Casing	Fee		7-7-1	
2			7 5				5777	Adn	ninistrator, Office of	Oil and Gas