



IV-35 (Rev 8-81)

State of Mest Virginia Pepartment of Mines Gil und Cas Pivision

Date	December	13.	1983
Operator	's		AON
Well No.	C-66		
Farm			arsu.
API No.	47 - 059	: AR	1061

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 1500' Watershed	Laurel F	ork		<del>- ve vin an</del> dr
District: Harvey County			e Myrtle	O MAY TERAIC
350	0			
	015		81ad2	Sand &
COMPANY Seneca-Upshur Petroleum Company	TES 1			Inc0
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Casing	Used in	Left	fill up
DESIGNATED AGENT Joseph G. Hager	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Size		a mu	Big Lin Big Ind
SURFACE OWNER Georgia-Pacific	20-16 Cond.	20	20	10
ADDRESS 133 Teachtree St., Atlanta, GA 30303	13-10"	972	972	460
MINERAL RIGHTS OWNER Cotiga Development Company	9 5/8		y Shale	Sudbut
ADDRESS 2nd Floor Rear, 14 E. Lancaster Ave.	8 5/8	2408	2408	500
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7		elad	Brown
St. Clair ADDRESS P.O. Box 157, Brenton, WV	5 1/2			
PERMIT ISSUED 6/24/83	4 1/2		4922	185
DRILLING COMMENCED 11/25/83	3			
DRILLING COMPLETED 12/4/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Marcellus		Dep	th 52	00 feet
Depth of completed well 4934 feet	Rotary I	Cabl	e Tools_	
Water strata depth: Fresh 1000 feet;				
Coal seam depths: 817		being min		e area? No
OPEN FLOW DATA				
Producing formation Devonian Shale	Pa	y zone dep	oth 33	54 fee
Gas: Initial open flow Trace Mcf/d	Oil: Ir	itial open	flow o	Bbl/c
Final open flow 852 Mcf/d				Bbl/c
Time of open flow between init				
Static rock pressure 500 psiq(surface				
Static rock pressure 500 psig(surface)			oth	fee
(If applicable due to multiple completion		ay zone dep		
(If applicable due to multiple completion Second producing formation	Pa			
(If applicable due to multiple completion Second producing formation Gas: Initial open flow Mcf/d	Oil: In	nitial oper	flow	
(If applicable due to multiple completion Second producing formation	Oil: In	nitial open inal open f	flow	Bb1/e

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

FOAM FRAC

DATE:

12/8/83

WATER:

740 BBLS.

SAND:

210,000#

PERFS: Huro

7 Angda 4228' - 4777'

30 .49 Perfs

NITROGEN:

20180 CCF

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Sand & Shale Sand Sand & Shale Coal Sand & Shale Open Hole Sand & Shale Big Lime Big Injun Sand & Shale Weir Sand & Shale Sudburry Shale Berea Gray Shale Brown Shale Marcellus	0 350 510 817 820 884 889 2394 2672 2700 2830 2900 3245 3294 3354 4162 4770	3245	From 8-ray log!  Big line - top 2481 base 2696.  Surbing shale top 3257 base 3292  Benea. top 3292 base 3333.  Upor Developped 3333 base 4202  Huran 4202 4477  Jawa 4477  Arapha 4596  Rhuresheet 4772 -?  T.D. fluron @T.D.  Onandaga at 4926, with
4922 185	4 1/2 3 2 2 Liners used	MO E JOH Y HOLE ON CHALMED	DRILLING COMPLETED 12/A/83  THE APPLICABLE PROCESSES OF DEPARTMENT OF DE
Depth 5200 feet  x / Cable Tools feet feet learn mined in the area? No	t Rotary		ON CECLOCICAL TARGET FORMATION Depth of completed well Water strata depth: Free Coal seam depths: 817
		Lauren	OPEN FLOW DATA

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum Company
Well Operator

By:
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 encountered in the drilling of a well."

ABEL

DRILLING CONTRACTOR:

Buoldhannon, WV

Little Swiss Drilling Co.

26201



)	Date:	May 24	, 19
)	Operator's Well No.	0-66	
	Well No	May No for	

3) API Well No. 47 County Permit

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

## OIL AND GAS WELL PERMIT APPLICATION

					15					
4)	WELL TYPE:		'Gas'', Pro	_/ Gas _ duction _	X		Underground st	orage	/ Deep	_/ Shallow/)
5)	LOCATION:	Eleva		1500	,		Watershed:	Leur	er kere	
		Distri	ct:	Electric Acti	A PROPERTY OF	town!	County:	emilo.	Quadrangle:	MARCINE
6)	WELL OPER		. Bost	2069			11		ED AGENT	apri G. Mager
	Address		Alaman (	n, 198	e Viz	ginia	26201	Address	Buckleye	on, West Virginia
7)	OIL & GAS	WAIED	Cott	ga Day	alors	ont C	www.	COALORE	RATOR	
	Address	WNEK _	Ploor	Dear,	14 B	. Lan	12 	Address	RATOR	
	Acreage	103	0					) COAL OW	NER(S) WITH DECLAR	ATION ON RECORD:
8)	SURFACE OV	WNER	Gross	gia-Pa	cific			Name	Inland Creek (	Company
	Address					Address	Paintsvil	lle, Kentucky 41		
	A	The same	4					N		
9)	Acreage FIELD SALE	(IF MAD	E) TO:					Name		
	Address							radicss	A CONTRACT OF COLUMN	
							14	) COAL LES	SEE WITH DECLARAT	ION ON RECORD:
10)	OIL & GAS II	NSPECTO	R TO BE	NOTIFIE	D			Name		4 4 4
	Name	P.0	a Dices :	137				Address	NEW TRANSPORT	
	Address		STREET,	F109 E 161	AN BASA	LO A	and the same		Control of the Control	ALL SUBPLEMENT
15)	PROPOSED V	WORK:	Drill	-	Drill dee	per	/ Redrill		Fracture or stimulate	
							_/ Perforate n		/	MARKET COLUMN
				sical chan		ll (specif	fy)			
16)	GEOLOGICA					0000				
	17) Estimated					640	feet	040		
	<ul><li>18) Approxim</li><li>19) Approxim</li></ul>				,	20		alt,	feet. the area? Yes	/ No
20)							13 COA	being innea in	inc area: Tes	140
20)	CASING ANI	TOBING	PROGRA	IVI						
	CASING OR TUBING TYPE	Size	SPE Grade	CIFICATION Weight per ft.		Used	FOOTAGE For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
(	Conductor					***				Kinds
-	Fresh water						and the same	40-2-52	Completion of the	120 to 200 100 100 /2
	Coal Intermediate	0 5/0		23.00			2390	2350	TO CHICAGO	Sizes
-	Production	4 2/2		23.00	X			2.00	No Regulated	Depths set
-	Tubing			-					oy acida 2540	Depths set
I	Liners									Perforations:
										Top Bottom
-	THE ACTION	. D. GILM								
21)	EXTRACTION Check and pro			wing:						
				PERSONAL PROPERTY.	continui	ng contr	act or contracts b	y which I hold	the right to extract oil or	gas. On Pile 059-
	☐ The req	uirement o	of Code 22	-4-1-(c) (1)	through	(4). (S	ee reverse side for	specifics.)		
22)				rket the o	il or one l	annad un	on a lease or other	r continuing cou	straat or contracts providi	ng for flat well royalty or any
										ne of oil or gas so extracted,
	produced or m									
	ne answer above Required Copi			tional is no	eeded. If	the ansi	wer is Yes, you n	ay use Affidav	it Form IV-60.	
	Copies of this	Permit Ap	plication a							livered by hand to the above
					lessee or	n or befo	ore the day of the	mailing or del	ivery of this Permit Appl	ication to the Department o
	Mines at Char	eston, we	st virginia						And the second of the second	
	Notary:	SHEET SHEET SHEET	//Yesta	6, 195	10	N pales		Signed:	thing them them	
I	My Commission	Expires	the the	State	OF 12	at V	Irvinia.	Its:	ALCO RECOUNTS	
							FICE USE O	NLY		
		1000	23-120				RILLING PER		June 14	
Perr	nit number									19
Thic	nermit coverin	g the well	onerator o	nd well lo	cation sh	own hel	low is evidence of	nermission and	Dat anted to drill in accordan	e ce with the pertinent legal re
quir	ements subject	to the con	ditions con	tained her	ein and	on the re	everse hereof. No	tification must	be given to the District O	il and Gas Inspector.
							ts for any permitted work has com		ition, the well operator or	his contractor shall notify th
		ilu gas ilisj		1984	o decual	permitti			and prior to that di	proposited with due 111
-	nit expires Bond:	Agent	: I	Plat:	C	asing	Fee Inless dri	mig is commen	ced prior to that date and	prosecuted with due diligence

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

Administrator, Office of Oil and Gas