

26201 BUCKHANNON, W. VA.



IV-35 (Pev 8-81)

OIL & GAS DIVISION

DEPT. OF MINEState of Mest Hirginia

Bepartment of Mines Gil und Cas Bivision

	Septem	ber 2	26,	1983
Operat	or's			
Well N	lo. C-61			
Farm	AM FRAC	Da		
API No	. 47 -	059		1057

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

	Riffe Bra	nch		
District: Hardee County Ming	0	Quadrangle	e Myr	tle
and salt water, coal, oil as		TUE AU USA	H ROJGO	MOLTAMAC
DMPANY Seneca-Upshur Petroleum, Inc.			Sand	
ADDRESS P.O. Box 2048, Buckhannon, W 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Joseph G. Hager	Tubing	Drilling	French.	fill up Cu. ft.
ADDRESS P.O. Box 2048, Buckhannon, W 26201	Size	elsd	Sand 6 8	
SURFACE CWNER Georgia-Pacific	20-16 Cond.	20	20	10
ADDRESS 133 Teachtree St., N.E., Atlanta, GA	13-10"	829	829	285
MINERAL RIGHTS OWNER Cotiga Development Co.	9 5/8	Ь	Salt Sau	
ADDRESS 2nd Flr. Rear, 14 East Lancaster Ave.	8 5/8	2330	2330	500
Paoli, PA 19301 OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	10	Big Inji	
St. Clair ADDRESS P.O. Box 157, Brenton, W	5 1/2	3.028	F LAISC	
PERMIT ISSUED June 24, 1983	4 1/2	starii	4782	175
ORITLING COMMENCED August 28, 1983	3		AMACE SATISME	
ORILLING COMPLETED September 8, 1983	2	- oli	Gray Sh	
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used	24	LieozeM	
ON				
GEOLOGICAL TARGET FORMATION Marcellus			th500	
Depth of completed well 4868' feet				
Water strata depth: Fresh 185 feet;	Salt	feet		
	Is coal	being min	ed in the	e area? No
Coal seam depths: 151',662',736',799'				
OPEN FLOW DATA		y zone dep	th 329	o'fee
OPEN FLOW DATA  Producing formation Devonian Shale	Pa	y zone dep itial cpen	th	o fee
OPEN FLOW DATA  Producing formation Devonian Shale  Gas: Initial open flow Trace Mcf/d	Pa Oil: In	itial open	flow	O_Bbl/
Producing formation Devonian Shale  Gas: Initial open flow Trace Mcf/d  Final open flow 894 Mcf/d	Pa Oil: In	itial open nal open f	flowlow	0 Bbl/
Producing formation Devonian Shale  Gas: Initial open flow Trace Mcf/d  Final open flow 894 Mcf/d  Time of open flow between init	Pa Oil: In Fi	itial open nal open f inal tests	flowlow	0 Bbl/
Producing formation	Pa Oil: In Fi Mial and f	itial open nal open f inal tests	flowlow	0 Bbl/
Producing formation Devonian Shale  Gas: Initial open flow Trace Mcf/d  Final open flow 894 Mcf/d  Time of open flow between init	Pa Oil: In Fi Tial and for measure )	itial open nal open f inal tests	flowlow	0 Bbl/ 0 Bbl/ ours urs shut i
Producing formation	Pa Oil: In Fi Fial and f measure n) Pa	itial open from the inal tests ment) after y zone dep	flow	0 Bbl/ 0 Bbl/ ours ours ars shut i
Producing formation	Pa Oil: In Fi rial and f re measure) Pa Oil: In	itial open frinal tests ment) after y zone depritial open	flow	0 Bbl/ 0 Bbl/ ours ours fee

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. DEPT. or MINEState of Hest Birginia Well No.

FOAM FRAC:

DATE: 9/16/83

WATER:

870 BBLS.

SAND:

210,000#

PERFS:

4092'-4353'

33 .49"

NITROGEN:

20,180 CF POLICE TO LINE A REST |

WELL LOG

- 1	exat stonerbono		resource.	REMARKS
FORMATION	COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fres and salt water, coal, oil and ga
	Sand	0	151	-TYPANY Seneca-Upshur Petroli
	Coal	151	155 225	appears P.O. Box 2048, Buckh
	Sand & Shale	155 225	662	COLUMN CO
	Sand Coal	662	664	DESIGNATED AGENT Joseph G.
	Sand & Shale	664	736	divine sinc and o a 223gnns
	Coal	736	742	Centrala-Partific
	Sand & Shale	742	799	SURFACE OWNER
	Coal	799	802 2205	ADDRESS 133 Teachtree St., N
	Sand & Shale	802 2205	2260	MINERAL RIGHTS ONCER . Cotig
	Salt Sand Little Lime	2260	2344	The same of the sa
	Big Lime	2344	2622	ADDRESS FIX. Pear, 14 Sa
	Big Injun	2622	2638	OIL AND GAS INSPECTOR FOR TR
	Sand & Shale	2638	2774	- St. Clair proper P.O.
	Weir	2774	2830	Sec. March
	Sand & Shale	2830	3170 3230	PERMIT ISSUED June 24. 1
	Sudburry Shale	3170 3230	3290	DETILING COMMENCED AUGUS
	Berea Gray Shale	3290	4120	GR-D.W. Neal 3261
	Brown Shale	4120	4690	top Huran 4131
	Marcellus	4690	4868	T.D. top Tava 4400
	- 8		Onondaga	top Rhure. 4695
		-	DID.	4868 top Onon 4853
			n I I comment	3290 MOI 5 8 1 TEDRAT LIADIDOLOGE
		eet Rotary	19505	Depth of completes wil
		eet; Salt	esh 185	Vater strata depth: P
		zo aī	,6621,7361,719	Coal seam depths: 151'
				a Carly Sal mende a social
				OPEN FLOW DATA
			ede de topyed	Producing formation
	Initial open flow	110 6/1:	Trace to	Cas: Initial open flo
		5/3:		

(Attach separate sheets as necessary)

Sene	ca-upsnur	Petroleum	Company
Well (	perator		1
	//	///	OVI OUDOI
By:	11111	11/	no
10/		000	
Date:	September	26, 1983	The second
//			o emiT

Note: Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic DRILLING CONTRACTOR:

Buckhannon, WV 26201

Little Swiss Drilling Co.

TO SERVICE STATE OF THE SERVIC

			24	
)	Date:			. 19

2) Operator's Well No.
 3) API Well No.

County

Permit

State

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

## OIL AND GAS WELL PERMIT APPLICATION

4) WELL TYPE	: A Oil			-						
			_/ Gas _	10"	_/					
LOCATION		Gas'', Pro	duction _	-		Underground stor	age	_/ Deep	/ Shallow	/)
) LOCATION:	Elevat Distric		Hardes	3		Watershed:	inco	Ouadrangle:	Murtle	
WELL OPER		Sener	on-Upmi	ur P	etro)	Maria and Maria and American	DESIGNATED		oh G. Hage	r
Address	P.O.	Box :	2048			11)	Address	AGENT	2048	
Address	Dracel	chamor	1. Mari	: Vir	winis	26201	Address	Datablemen	, West Vi	rgini
OIL & GAS										
ROYALTYO	WNER	COST	ja Deve	PTOGE	ene (	12)	COAL OPERAT	OR		
Address			Property C		The same of	BARBARA AND A	Address			
	FRO.	LL, res		alla		14				
Acreage	2430					13)	COAL OWNER	(S) WITH DECLARA	TION ON REC	ORD:
SURFACE O	WNER	Ciccon	ALE LES	de la Tra			Name	Lineal Green, Co	part Conban	7 .
Address		, HOEL ,					Address _	PALESTAL	is, tandi.	el a
	_								SECTION OF	
Acreage	293	9					Name	No.		
FIELD SALE	E (IF MADI	E) TO:					Address			
Address								BUILDING TOTAL		
						14)	COAL LESSEE	WITH DECLARATI	ON ON RECOR	D:
OIL & GAS I	INSPECTO	R TO BE	NOTIFIE	D			Name			dia is
Name	- (A)						Address _			
Address	L'alli		NO /							
		Marily 1	MARIE VA	take goods	ASA A	COL LLO				
PROPOSED	WORK:	Drill		Drill de	eper	/ Redrill_	/ Fract	ure or stimulate		
		Plug off	old forma	ation		/ Perforate nev	v formation			
		Other phy	ysical chan	ige in w	ell (spec	ify)				
GEOLOGICA	AL TARGE	T FORMA	TION, _							
17) Estimated	d depth of c	ompleted v	well,		areket a	feet	710			
18) Approxim	nate water s	strata depth	ns: Fresh		240	feet; sa	lt,	feet.		4.0
19) Approxin	nate coal se	am depths:			200	Is coal b	eing mined in the a	rea? Yes	/ No	A
CASING AN	D TURING	PROGR	AM							
CASING AIN	TOBING	ROOK	AIVI							
CASING OR TUBING TYPE		SPE	CIFICATION Weight	NS I		FOOTAGE	NTERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Conductor	10				-	**			Kinds	
Fresh water		4				100/6/14	12.10	and and	175 185 / 64	RUA.
Coal		2							Sizes	
Intermediate	0 2/0		23,00	100		4497	4480	19 Surament		
	3 7/2		23.00				260		Depths set	
Production								BY FILLS AD. U.		
Tubing									Perforations:	
Tubing									Perforations:	Bottom
Tubing									TEN STREET, ST	Bottom
Tubing Liners  EXTRACTIO			wing:						Тор	
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Tubing Liners  EXTRACTIO Check and pro Include The rec ROYALTY Pl Is the right to a similar provisi produced or m the answer above Required Cop Copies of this named coal op Mines at Char Notary: My Commission  mit number  is permit covering irements subject for to No. 10) Pro	ovide one of distribution of the lead quirement of ROVISION extract, profit of the contract of	operator a ditions coropector 24 h	s or other 4-1-(c) (1)  arket the o to the ow No  itional is no and the end and coal and well lo attained her n of roads,	through through through through the through the through the through through the through through the through through the through throug	based uthe oil of the and lat and on or be	pon a lease or other r gas in place which swer is Yes, you may reclamation plan has fore the day of the reclamation plan has fore the reclamation plan has fore the day of the reclamation plan has fore the reclamat	continuing contract is not inherently y use Affidavit For we been mailed by nailing or delivery Signed: Its:  ILY ILY ILY III permission granted ication must be given. In addition enced.)	print or contracts providing related to the volume orm IV-60.  registered mail or deligion of this Permit Application of the Permit Application of t	gas.  g for flat well roy e of oil or gas so vered by hand to eation to the Dep	valty or a per extracted the above artment 19 ent legal tor.