

DIE STERRE CONTRACTOR STERRES	inti i ratification de la constitución de la consti	Date	July 15,	1983
IV-35	THE REAL PROPERTY.	Operator	c's	
(Rev 8-81) [1] 19 1983 Sinte of Mes	t : Wirgini	a Well No.		T MACYT
JUL 25 1983 DEPT. OF MINES DEPARTMENT OF WELL OPERATOR	Alines.	Farm		
OIL & GAS DIVINES EPPARIMENT D	Parision	API No.	47 _ 059	_ 1051
INCO INFINITE GAS	Singini	606 BBLS.		
WELL OPERATOR	S REPORT	240,000#		
			~	
DRILLING, FRACTURING AND/OR STIM	JLATING, C	R PHYSICAL	CHANGE	
WEIL TYPE: Oil / Gas X/ Liquid Injection (If "Gas," Production X / Undergroup)	n_/Wast	e Disposal ge/ Deer	/ / Sha	110w_X /)
LOCATION: Elevation: 1720' Watershed	Ash	camp Branch		
District: Hardee County Mine	90	Quadrangle	Myr	tle
District:		- TOUR TOU COME	AND ANDREAD	
705			,	
385	TEE			
CMPANY Seneca-Upshur Petroleum, Inc.	Der .	T	S Shake	Cement
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		s Shalle	Sand
SURFACE OWNER Georgia-Pacific	20-16	20	20	10
ADDRESS P.O. Box 1808, Augusta, GA 30909	Cond.		alada a	basa
Guillan Devial armont Co	13-10"		emia s	334d
2nd Floor Rear, 14 E. Lancaster Ave.	9 5/8		per :	nis.
ADDRESS Paoli, PA 19301	8 5/8	2340	2340	W. 100 G
OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	2628	2628	25
St. Clair ADDRESS P.O. Box 157, Brenton,	W 5 1/2		rieds one	ASSIGNATION OF THE PROPERTY OF
PERMIT ISSUED April 21, 1983	4 1/2		4992	95
DRILLING COMMENCED June 1, 1983	0 2 3		Bland e farth	(636)
DRILLING COMPLETED June 13, 1983	2		aulli	Marrie
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED	used	The same of the sa		
ON		0.326		
GEOLOGICAL TARGET FORMATION Marcellus		Dep	oth 5	,000 fee
Depth of completed well 5049 feet	Rotary	X / Cabl	e Tools_	A
Water strata depth: Fresh feet;	Salt	feet	0.5	
Coal seam depths: 331', 782', 970'	To coo	boing mir	ned in th	e area? N
Coal seam depths: 331, 782, 370	_ 15 00a	L being ha		
OPEN FLOW DATA				+340-493
Producing formation Devonian Shale	Pa	ay zone dej	oth 3	560' fee
Gas: Initial open flow Trace Mcf/d	Oil: I	nitial oper	n flow 0	Bb1/
Final open flow 852 Mcf/d	T.	inal open	flow 0	Bbl
Final open flow 852 MCI/G	Mini	Final tost	s 2 h	יסוורפ
Time of open flow between ini	tial and	That test	24	were about
Static rock pressure 485 psig(surfa	ice measur	ement) aft	er_24 no	ours silut .
(If applicable due to multiple completion	n)			
Second producing formation	- P	ay zone de	pth	fee

Gas: Initial open flow Mcf/d Oil: Initial open flow

Static rock pressure _____psig(surface measurement) after____

Time of open flow between initial and final tests

Mcf/d Oil: Final open flow___

Second producing formation

Final open flow____

WEST

hours

hours shut in

Bbl/d Bbl/d DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC.

essilly la brombaque

FOAM FRAC:

DATE:

6/29/83

WATER:

606 BBLS.

SAND:

240,000#

PERFS:

4340' - 4930' 24 .49 Perfs

JUL 25 1983 DEPT. OF MINES

NITROGEN:

15,660 CCF Huron

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and ga
Sand & Shale	0	331	
Coal	331	335	The second secon
Sand & Shale	335	782	C. PRIVI Seneca-Upshur Petroli
Coal	782		ADDRESS P.O. Box 2048, Buckle
Comd c Chalo	792	970	
Coal	970	974	LESIGNATED AGENT Joseph G.
Sand & Shale	974	2200	CORESS P.O. Box 2048, Boolds
Sand	2200	2238	
Shale	2238	2245	SURFACE CMMER GEORGIA-PACIFIC
Sand & Shale	2245	2515	
Little Lime	2515	2546	ADDRESS P.O. BOX 1808, Augus
Big Lime	2546	2824	MINERAL RECHTS OWNER COLL
	2824	2864	2nd Floor Rear, 19
Big Injun	2864	3012	ADDRESS paoli PA 19301
Salla & Silate	3012	3090	OIL AND GAS INSPECTOR FOR TH
Weir	3090	3420	
Sand & Shale	3420	3490	St. Clair ADDRESS P.O.
Sudburry Shale	3490	3560	
Berea	3560	4310	PERSUIT ISSUED APRIL 21,
Gray Shale	4310	4864	DRILLING COMMENCED JURIS
Brown Shale	4864	5049	T.D.
Marcellus	4004	3045	DESCRIPTION COMPLETED
50 49 35 60 4340 489	terhi bezu	Huron	OTD. Onondaga at 5033 with elev = 1730 k.b.
3560		Marcellu	CECLOCICAL TARGET FORMATION
3500 1489	eet Rotary		Depth of completed wel
3500 Jeef	-		
sal being mined in the area?		The state of the s	The second secon
	D 81	782', 970	Coal seam depths: 331
			OPEN FLOW DATA
		Devonian Stati	Producing formation
	:110 5\2:	The same of the	Gas: Initial open flow

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum Well Operator

Date: July 15, 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." DRILLING CONTRACTOR:



1	Date:	April 5.	10
,	Date		 17
1	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

							000000			e, enember (s		
4)	WELL TYPE	: A B			/ Gas _ oduction _	X		/ Underground	l storas	ge	_/ Deep	/ Shallow/)
5)	LOCATION:		Elevat		1720'			Watershed:		hcamp Bran		Carlingham (M)
			Distric		Haroe			County:		ngo	Quadrangle:	Martle
6)	WELL OPER	ATC	R	SINGUATION OF THE STATE OF THE	openur	rec	roneu	n, Inc.	11)		AGENT	G. Bager
		No.		st 204	West V	izori	nia	26201 1001		Address _	Buckhannon,	Was Wroning 26
7)	OIL & GAS							-				on asiable (b. 1970)
')	ROYALTYO	WNI	ER _		-	4 4	-	Company	12)	COAL OPERAT	OR	
	Address				nnsylv				ENVE	Address _		A 7.0 (2d (#
			-	OE 2	200		-	y		-		
8)	Acreage SURFACE O	WNIE	D	GEOL	gia-Pa	cifi	0				(S) WITH DECLARA	ATION ON RECORD:
0)	Address	MINE		BOX	1808				HA	NameAddress	Paintsvil	ie, Kencucky Wil
			-	-	SOLAT	2 3	0903					Tenérob (8
	Acreage		ratt	OF 2	,400]	Name		
9)	FIELD SALE	E (IF	MADI	E) TO:						Address _		10 mg/01 mg/01
	Address								10	_		ON ON PECOPS
10)	OIL & GAS I	NICD	ECTO	P TO PE	NOTIFIE	D				Name	WITH DECLARATI	ON ON RECORD:
10)	Name	INSI.	ECTO	K TO BE	NOTIFIE	D				Address _		4 Programme Company
	Address			EXOR		MEDER .	1011	TERRITOR OF VILLERY			Agentile of the 3	AND BEGIN THE TOTAL
			DLC3)	(CONT)	Nest V	LA GA	ILLIA .	070,49a and 1				
15)	PROPOSED	WOF	RK:	Drill		Drill (deeper	/ Redi			are or stimulate	
					old form			/ Perforate	new	formation		
16)	GEOLOGICA	I T	ADCE		ysical char	nge in	well (spec	city)			430725	and the second
16)	17) Estimated						5,000	feet	1	Affects Link its	Tearford Teacasti	ormed (N.
	18) Approxim					,	580	feet;	salt,	1030	feet.	
	19) Approxim						320			ng mined in the a	rea? Yes	/ No/
20)	CASING AN	DTI	IBING	PROGR	AM							
20)		11	DIIVO				11			ou brented bes		Designary WK
	CASING OR TUBING TYPE			SP	ECIFICATION Weight	NS	1	FOOTA	AGE INT	TERVALS	OR SACKS	PACKERS
		5	Size	Grade	per ft.	New	Used	For drilling		Left in well	(Cubic feet)	
-	Conductor	7						2007		000	A T C	Kinds
-	Fresh water Coal	1						15767		3647	The format of the Co	Sizes
-	Intermediate	1 3,	/8"		23.00	74		2610		2610	to surface	31203
1	Production	- Ly	12"		23.00	Z				5000	As Required	Depths set
	Tubing										N MINTO TO'O	
1	Liners					40000	Parel	Pasin Pasinisis				Perforations:
-												Top Bottom
-												
211	EVED A CEIO	NI DI	CHEC		But the			sali mborox				
21)	Check and pro				owing:							On File 059-10
								tract or contract See reverse side			right to extract oil or	gas.
221	ROYALTY P				2-4-1-(C) (1)) throt	ign (4). (See reverse side	for sp	ecifics.)		
,					arket the o	il or g	as based u	pon a lease or ot	ther co	ntinuing contract	or contracts providir	ng for flat well royalty or any
						vner o	f the oil o	or gas in place v	which i	is not inherently	related to the volum	e of oil or gas so extracted,
If +1	produced or m					hehee	If the ar	swer is Ves von	ı may	use Affidavit Fo	rm IV-60	
	Required Cop					ccucu.	II the ai	iswei is Tes, you	ımay	use Amuavit Po	IIII 1 V -00.	
	Copies of this	Peri	nit Ap	plication	and the en							livered by hand to the above
	named coal of Mines at Char					I lesse	e on or be	efore the day of	the m	ailing or delivery	of this Permit Appli	cation to the Department of
							0/3	Conseitant a			Caroli & Lugho	WALKER THE STATE OF THE STATE O
	Notary:	y 7. J		dune	6, 191	18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Si	V23	de President	STREET STREET
I	My Commission	1 Ехр	ires	nd Pos				iest Virgi	nia	Its:		ON TO RUBB
							0	FFICE USE	ONL	Ÿ		
			47	-059-	1051		*******************	RILLING P			April	21
Peri	mit number										2	19
Thi	nermit coveri	ng th	9 Well	Operator	and well le	votio-	chown L	elow is avidence	of ma	rmission granted	Date	e with the pertinent legal re-
quir	rements subject	to th	e cond	ditions co	ntained he	rein ar	nd on the	reverse hereof.	Notifi	cation must be gi	iven to the District O	il and Gas Inspector.
								pits for any perm tted work has co			, the well operator or	his contractor shall notify the
		anu g	as msr	ember	nours bero	33 acti	uai periili					1 11 1 11
grant	mit expires Bond:	1	Agent		Plat:		Casina	unless	drillin	g is commenced p	prior to that date and p	prosecuted with due diligence
II'	Donu.		Agent		rial.		Casing	Fee			Company from	
				1		2		Section 1		Adm	ninistrator, Office of	Oil and Gas

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