

IV-3	35
Rev	8-81)

SEP 1 2 1983

AUG 1 5 1983

State of Mest Nirginia Bepartment of Mines Gil and Gas Bivision

Date	Augus	st 11,	198	3 LAYESCI	
Operat	or's				
Well N	0	C-55			
Farm	7/21		187	CACI	_
API NO	. 47	- 059	-0700	1047	

OIL & GAS DIVIS ON DEPT. OF MINICO

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

Floration: 1600' Watersned	Ashcamp B	ranch	and and	
OCATION: Elevation: 1600' Watershed District: Hardee County Min	go	Quadrangle	Myr	tle
District: Initiate 18	0			Sand s
Detrolom Inc.	- 88		elsda	Sand & S
OMPANY Seneca-Upshur Petroleum, Inc. ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Coaina	Used in	Teft	Cement
	Casing	Drilling	and metals	fill up Cu. ft.
DESIGNATED AGENT Joseph G. Hager	100.000	DITTI	a.f.arič	Sand 6
ADDRESS P.O. Box 2048, Buckhannon, WV 26201	Size 20-16	20	20	10
SURFACE OWNER Georgia-Pacific	Cond.	20	20	Cray S
ADDRESS P.O. Box 1808, Augusta, GA 30909	13-10"		- Ca	THOUGHT I
MINERAL RIGHTS OWNER Cotiga Development Co.	9 5/8		2504	500
ADDRESS 2nd Floor Rear, 14 E. Lancaster Ave.	8 5/8	2994	2504	500
Paoi, PA 1930. Paoi, PA 1930. OIL AND GAS INSPECTOR FOR THIS WORK Arthur	7	at a set k		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
St. Clair ADDRESS P.O. Box 157, Brenton,	WV 5 1/2			100
PERMIT ISSUED 3/11/83	4 1/2		4865	175
DRILLING COMMENCED 6/24/83	3			
DRILLING COMPLETED 6/30/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
TO OCTON TO DOTTE FORMATION Marcellus			oth 50	
	Rotary	x/ Cab	le Tools	
Deput of compress				
Water Strate dopon	Ts coa	l being mi	ned in th	ne area? N
Coal seam depths: 81'				
OPEN FLOW DATA see bec	k		-th 3.	400 fe
Producing formation Devonian Shale		ay zone de	pui	
Gas: Initial open flow Trace Mcf/d	011: 1	nitial ope	u itom	0 0
Mof/A	I	mar oben	1104	0
Final open flow (910) MCI/G	itial and	final test	s -	hours
Final open flow 910 Mcf/d Time of open flow between in		rement) aft	er 24 h	ours shut
mim of open flow between in	ace measur			
Static rock pressure 670 psig(surf	on)			
Static rock pressure 670 psig(surf (If applicable due to multiple completi	on)	Pay zone de	epth	f
Static rock pressure 670 psig(surf (If applicable due to multiple completi Second producing formation N/A	on)	Pay zone de Initial ope	epthen flow_	Bh
Static rock pressure 670 psig(surf	on) Oil:	Pay zone de Initial open	epth en flow flow	Bb Bb

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

SEP 1 2 1983

FOAM FRAC:

DATE:

7/26/83

WATER:

423 BBLS.

SAND:

210,000#

PERFS:

turen a somegeo The

4098' - 4541'

24 .49 Perfs

NITROGEN:

21840 CCF

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fre and salt water, coal, oil and g
Sand & Shale	0	81	age and a springer
Coal	81	85	
Sand & Shale	85	2420	
Big Lime	2420	2698	COMPANY Seneca-Upshur Petroleum
Big Injun	2698	2732	ADDEESS P.O. Box 2048, Buckhann
Sand & Shale	2732	2866	ADDIESS P.Q. BOX 2048, DULLERS
METT	2866	2930 3270	DESIGNATED AGENT JOSEPH G. HES
Sand & Shale	2930 3270	3334	ADDRESS P.O. Box 2048, Buckham
Sudburry Shale	3334	3400	
Berea Shala	3400	4150	SURFACE OWNER Georgia-Pacid
Gray Shale Brown Shale	4150	4720	ADDRESS P.O. Box 1808, Augusta
Marcellus	4720	4904	ת ח
The second secon	8/6 6	ancaster Ave.	MINISTRAL RIGHTS UNIVER
on of onundaga 4893 rum gamma ray-density	10 9 NW .	WORK Arthur	Huran see took bas ezerdia 4904 3400 sada a shalo
	4.1/2		PERMIT ISSUED 340 21
	3_		DRIFTLING COMMENCED 6/24/83
	2		DETILING COMPLETED 6/30/83
	Liness	MALINED OR CORTAINED	
		Marcellus	GOLOGICAL TARGET FORMATION
	t Rotary	AGOA TOO	Depth of completed well
	Market St. Committee of the Committee of	h 820 fee	Water strata depth: Fres
	Ts dos		1
	410	NA	Coal seam depths: 81'
	رواد	59 32A	OPEN FLOW DATA

(Attach separate sheets as necessary)

Seneca-Upshur Petroleum, Inc.

Well Operator

- -

August 11, 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 contains, encountered in the drilling of a well."

DRILLING CONTRACTOR:



1)	Date:	February	21	1983	
	0				

Well No. 47 State Cou

tate	County	Permit
41	9-70	1047

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

O. Box 204				OII 4	ND G	S WELL PERMIT	ADDI ICATION		
ickhannon,	W 262	201			IND GA	S WEDD FERVITT	AFFLICATION		
4) WELL TYPE	: A Oil		_/ Gas _	X					vest strotte
		Gas", Pro	duction	A		/ Underground sto	rage	/ Deep	_/ Shallow
5) LOCATION:			Harde	a		Watershed:	tingo		Myrtle (S)
6) WELL OPER	Districe ATOR	Serse	oa-Ups	nur 1	Petro	County:	DESIGNATEI	Quadrangle:	spin G. Hager
Address	P.O.	. BOX .		10.10		ESI DUI LANGE	Address	P.O. BON	2046
	BUG	CITATINO	a, WV	Z021	J.L. Carl	gall are made see		Buckhanno	m, WV 126201
7) OIL & GAS ROYALTY O	WAIED	Cotio	ra Dev	eloa	pent	Company 12)	COAL OPERA	TOP NONe	
Address	WNER _	Floor	Rear,	14	Sast	To consider the state of the st	Address	ATOR	q s szotső (6.
	Pao!	Li, Per	msylv	ania	193	01	Tidal 055	olapicas sections	/ benefalged
Acreage	Part		456	m2 62 .		13)	COAL OWNE	R(S) WITH DECLAR	ATION ON RECORD
SURFACE O	WNER		11a-Pa 1808	CALLIC	3	bein a	Name	Dainteri	Lie. Kentucky
Address	Augu	ista, (a 3	0909		Address	A PARISH & PROP A STORY	beautiful in
Acreage	Part	of 2,	,456				Name		
) FIELD SALE	(IF MADE	E) TO:					Address		
Address	100000	MILES OF STREET	Rockston	248 1914	1915401	<u>BQ_Q</u> IGS DATAG		MALERIAN TOTAL	equiteo 9" (Ea-
OIL & GAS I	NEDECTO	D TO DE	NOTIFIE	D		14)		E WITH DECLARAT	ION ON RECORD:
Name		THE RESERVE OF THE PARTY OF THE	The second second second	D			Name		
Address	P.O.	Box 1	L57		90 39,53	Heda S. V1 arrors	11441050	esignment of live	Laut are we - (C)
	Bren	rton, r	W 24	818	LOGIN.	tol from salt to s			
) PROPOSED			<u>X</u>		eeper	/ Redrill_		cture or stimulate	
		Plug off Other phy			uall (ama	/ Perforate ne	w formation	/	
) GEOLOGICA								Yada	Salayan Taya (14)
17) Estimated					to combine taken, same taken		territoria brus.	leepest fresbwater.	Dordigett (81
18) Approxim	nate water s	trata depth	s: Fresh	,	600	feet; sa	lt, 1000	feet.	
19) Approxin	nate coal sea	am depths:			320	Is coal b	eing mined in the	e area? Yes	/ No
) CASING AN	D TUBING	PROGRA	AM						
CASING OR TUBING TYPE		SPE	CIFICATION	NS	. 1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TOBING TIFE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	Lee about the
Conductor	16"				X	20	20	To Surface	Kinds
Fresh water Coal						arara a	ada	Art Pales and the	Alcort
Intermediate	8 5/8		23.00	X		2600	2600	To Surface	Sizes
Production	4 1/2"		23.00	X			5000	As Required	Depths set
Tubing								by Rule 15.0	
Liners							ng nakana mb		Perforations:
							12		Top Botto
							CONTRACTOR CONTRACTOR		Academica 220
) EXTRACTIO	N RIGHTS				9101 253	N 100 10 10 50 50 50 50			and the few
Check and pro									00 1110 05
						tract or contracts by (See reverse side for		e right to extract oil or	gas.
) ROYALTY P			(0) (1)	· · · · · · · · · · · · · · · · · · ·	(1).	(See levelse side loi	specifics.)		
Is the right to e	extract, pro	duce or ma	arket the o	il or gas	s based u	ipon a lease or other	continuing contra	act or contracts providi	ng for flat well royalty
produced or m				ner of	the oil	or gas in place which	h is not inherent	ly related to the volum	ne of oil or gas so extra
			tional is n	eeded.	If the ar	nswer is Yes, you ma	y use Affidavit I	Form IV-60.	
Required Copi			and the em	alasad s	alat and	lamatian alaa ba			Normal has bound to the
named coal of	perator, coa	owner(s)	, and coa	l lessee	on or b	efore the day of the	mailing or delive	ry of this Permit Appl	elivered by hand to the lication to the Departm
Mines at Char	rleston, We	st Virginia			mofensor				
Notary:			6 200		LEXIC	Old section and a section	Signed:	Man Donal Cata	Dr. 14
My Commission	Expires		6, 190		07 1	West Virgini	Its:	LOS FIBSIDENT	Some of the second
		a typic	THE PER L			FFICE USE ON			
	27 m 5	9-1047			753	RILLING PER		March	11
rmit number				The Head					19
is permit coverir	ng the well	operator a	nd well lo	cation	shown h	pelow is evidence of	permission grant	Date ed to drill in accordance	ce with the pertinent le
irements subject	to the cond	litions con	tained her	ein and	on the	reverse hereof. Not	ification must be	given to the District C	oil and Gas Inspector. his contractor shall not
leter to No. 10) Poper district oil a	rior to the cand gas insp	ector 24 h	n of roads ours befo	, location re actua	ons and al permi	pits for any permitte tted work has comm	d work. In addition the denced.)	on, the well operator or	ms contractor snan not

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

Plat:

Casing

Fee

Agent:

Permit expires Bond:

unless drilling is commenced prior to that date and prosecuted with due diligence.

Administrator, Office of Oil and Gas