



## OIL & GAS DIVISION

MAR 1 - 1985 DEPT. OF MINES

IV-35 (Rev 8-81)

Sinte	of	Mest	Wirginia !

Bepartment of Mines mil und Gas Zivision

	Date	02-19-85						
	Opera Well	tor No.	<b>'s</b> Cadwalader			No. 2		
	Farm	•						
_	API	No.	47 _	077		0242		

## WELL OPERATOR'S REPORT

OF CORPUTE	ating Or	PHYSICAL	CHANGE	
DRILLING, FRACTURING AND/OR STIMUL	ALTING, ON			
		D:1	,	
WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production X / Underground				.1cw/)
LOCATION: Elevation: 1517' Watershed Pin	e Run of l	<u>aurel Run</u>		
District: Lyon County Presto	<u>n</u> (	Quadrangle	<u>Gladesvi</u>	11e 7.5
COMPANY Swift Energy Company				Cement
ADDRESS 652 E. North Belt, #200, Houston, TX	Casing	Used in	Left	fill up
DESIGNATED AGENT Tim Bennett //000	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 2201, Clarksburg, WV 26301	Size			
SURFACE OWNER Hugh A. Davis	20-16 Cond.			
ADDRESS Rt. 8, Box 358, Fairmont, WV 26554	13-10"			
MINERAL RIGHTS OWNER Louise Cadwalader Heirs	9 5/8			<del>                                     </del>
c/o Freda Cadwalader ADDRESS 820 South Inez St., Hemet, CA 92343	8 5/8		6231	180 sks.
OH AND GAS INSPECTOR FOR THIS WORK	7			
Don Ellis ADDRESS 2604 Crabapple Ln. Fairmont, WV 26554	5 1/2			
PERMIT ISSUED 11-30-85	4 1/2		2873'	400 sks.
DRILLING COMMENCED 12-11-84	3			,
DRILLING COMPLETED 12-16-84	2			
TE APPLICABLE: PILIGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
ON VERBAL PERMISSION OFFICE				
GEOLOGICAL TARGET FORMATION Haverty			F	990 <b>feet</b>
Depth of completed well 5999 feet	Rotary	X / Cab	le Tools	·
feet:	Salt	ree	<b>35</b>	
Coal seam depths: 197'-203'; 264'-270';	Is ∞a	l being mi	ined in t	he area? No
453'-457'				
OPEN FLOW DATA Producing formation *Speechley	T	av zone d	epth 26	91 feet
Producing formation *Speechtey  Gas: Initial open flow Mcf/d	 	nitial op	en flow	Bbl/d
Gas: Initial open flow (2477) Mcf/d	VII	inal open	flow	Bb1/d
Time of open flow between in	Ans le:4:	final tes	ts 4	hours
Time of open flow between in Static rock pressure 650 psig(surf	rcrar am	rement) af	ter 12 1	hours shut in
Static rock pressure 050 psig(suri	ace neaso			
(If applicable due to multiple completi Second producing formation 4th Sand &	Ath Sand	Pav zone d	lepth	1922 <b>feet</b>
Second producing formation. 4th sand a Gas: Initial open flowMcf/d	Oil:	 Initial o	en flow_	Bbl/d
Gas: Initial open flowMcf/d	Oil:	Final oper	n flow	Bb1/d
Time of open flow between in	nitial and	final te	sts	_hours
Static rock pressurepsig(surfa	ace measur	rement) af	ter	hours shut in
Statute fock bressme				reverse side.
*Gas comingled	HMK I	T 1383 (CO.	ntimue on	1 1 5 7 5 1 3 5 6 7 4 5 7

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 12-20-84

Speechley: <u>2684'-2698'</u> SCF N<sub>2</sub>, 10,000# 80-100 SD: 32,500# 20-40 SD: 500 GA, 423 BGW.

L. 4th Sand: 1963'-1975' SCF N<sub>2</sub>, 60,000# 20-40 SD; 500 GA, 486 BGW.

4th Sand: 1869'-1890' SCF N2, 80,000# 20-40 SD, 500 GA, 485 BGW.

PBTD: 3,000'

## WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Red Rock & Shale Sand Red Rock Sand & Shale Red Rock & Shale Sand & Shale Shale & Red Rock Little Lime Shale & Red Rock Stray Lime Shale Big Lime Sand & Shale Shale & Red Rock Stray Lime Shale Shale & Shale	40 197 203 264 270 453 457 536 565 567 578 612 642 781 819 832 857 865 875 973 1919 2020	197 203 264 270 453 457 536 565 567 578 612 642 781 819 832 857 865 875 973 1919 2020 5999 To	Gas check @ 1104' - no show  "

(Attach separate skeets as necessary)

Virgil N. Swift

Swift Energy Compa

\ Well perator

By:

Date: 02-19/85

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 wal, encountered in the drilling of a well."





1)	Date: Nov	ember	16	, 1	<b>9</b> 84
2)	Operator's Well No	Cadwa	lader	#2	
3)	API Well No.	47 -	077 - (	0242	
		State	Count	у	Permit

## OIL & GAS DIVISION DEPT. OF MINES STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION APPLICATION FOR A WELL WORK PERMIT

4) WELL TY	PE: A	Oil	/ Ga	as	X/							
	В (	If "Gas",	Production	n	X	/ Undergroun	nd storage		Deep	/ Shall	low	X ^
5) LOCATIO	LOCATION: Elevation: 1517			_ Watershed:	Pine Run	of	Laurel	Run				
		strict:				_ County:	Preston		Quadrangle:G		ille	$\frac{}{7.5}$ r
6) WELL OF						pany	7) DESIGNATI	ED AGEN	NTTi	m Benr	ett	
Addres	s	P.O.				4945 <sup>0</sup>	Address	·	P.O.	_		
		Clar	ksbur	g,_1	<u>17 2</u>	6301		T	Clark	sburg,		2630
8) OIL & GA				FIED			9) DRILLING	CONTRA	CTOR:			
Name	Do						Name	U	nknown			
Addres		04 Cr					Address					
	Fa	irmon	t, WV	2(	5554_							
10) PROPOSI	ED WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/	Stimulate	Χ /		
			Plug of	fold	formation		forate new formation			· · · · · · · · · · · · · · · · · · ·		
						well (specify)_						
11) GEOLOG	ICAL TAR	GET FOR	MATION	,		Haver	ty ,					
12) Estim	ated depth	of complet	ed well,		599		eet					
13) Appro	oximate tra	ta depths:	Fresh,	30-	<u>-500</u>	feet; s	alt, 850	f	eet.			
14) Appro	oximate coa	ıl seam dep	ths: 50,	170	<u>, 300,</u>	<u> 385</u>	coal being mined in t	he area?	Yes	/ N	io X	,
15) CASING	AND TUB	ING PRO	GRAM									
CASING OR		SPEC	IFICATIONS	3	11	FOOTAG	E INTERVALS	i CEN	MENT FILL-UP	1 P	ACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	1	OR SACKS (Cubic feet)	1		
Conductor	113/4	H-49	42#	Х		30		1	(Cabit Icti)	Kinds		
Fresh water								1		Kinus		
Coal								1 -		Sizes		
Intermediate	85/8	ERW	20#	X		600	600	To	Surface	-	1170	15 05
Production	4 1/2	ERW	101	Х		5075		As	Require	then the said	Bule.	15 01
Tubing								1	- LOGUTI	Carpen de	MULE	17.01
Liners								1		Perforations		
								1		Тор		etom etom
								1		1		violi)
	<u> </u>							1				
										ш		
					(	OFFICE USE	ONLY					
					I	DRILLING P	ERMIT					
Permit number		47-077	7-0242						November	r 30		19 84
crimi namber _					<del></del>							19 64
This permit cove	ring the w	ell operato	rand well	locatio	n shown	helow is evidenc	e of permission gran	tod to de	Dat			
fancincing sant	to the c	onamons c	ontained i	ierein a	ina on the	reverse hereot.	Notification must be	given to	the District Oil	and Coc In	sonooton (	(D-C 4-
vo. 8) Prior to t	ne constru	ction of ro	ads, locati	ons and	Dits for a	iny permitted wo ork has commen	ork. In addition, the v	well opera	ator or his con	tractor shall	notify th	ie proper
he permitted we everse hereof.	ork is as de	escribed in	the Notice	and A	pplication	i, plat, and recla	mation plan, subject	to any m	odifications a	nd condition	ns specifie	d on the
Permit expires _		No	vember	30,	1986	unless w	ell work is sommer and		41 . 1			
			***		*****	diffess w	ell work is commence	a prior to	that date and	prosecuted v	with due d	illigence.
<b>D</b> 4		. <b>.</b> .	. 1									
Bond:	Agen	t:	Plat:	Casin	g	Fee	-1 0				,	
121	m	1 1	S 17		1//	193	WI		_	~ 1		
							// lare	ar	1.5	$\times k$	M	:
									r, Office of O	il and Gas		
OTE: Keep o	ne copy of	this permi	it posted a	t the d	rilling loca	ition.	/7		-, <b></b> 01 0	una Cas		
												File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.