



IV-35 (Rev 8-81)

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY



Stude of Mest Wirginia Department of Alines . noiviuis and One livi

Date October	12, 1984
Operator's	•
Well No. 1E.	4
Farm Hively	
API NO. 117 -	107 - 1264

## WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STEMULATING, OR PHYSICAL CHANGE

LOCATION: Elevation: 700 Watershed	C	arpenter	Run		
District: Union County W					ey MIlas
COMBANY		i ;		***************************************	
ADDRESS - A Oil Company		· :	<del></del>	T	To
ADDRESS Box 83 Harrisville, WV 26362 DESIGNATED ACENT		Caşing	Used in		Cerrent fill up
DESIGNATED AGENT A D Steed  ADDRESS Sameas above		Tubing	Drilling	in Well	Cu. ft.
SURFACE OWNER Grace Hively		Size 20-16			
ADDRESS Rt. 1. Waverly, WV		Coxl.			-
MINERAL RIGHTS OWNER Grace Hively		13-10"			
ADDRESS Same as Above		9 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK Homer		8 5/8	1000	1000	to surf
Daugherty ADDRESSBox3-1. Looneyville,	WV	7:	-		
PERMIT ISSUED 5/31/83		5 1/2			
DRILLING COMMENCED10/2/83	-	4 1/2	4565	1566	31421
DRILLING COMPLETED 10/7/83		: 3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON		2			
CONTINUOUS PROGRESSION FROM DRILLING OR		Liners			
REWORKING. VERBAL PERMISSION OBTAINED		used	-		
N					
	, ,		L		
EDICGICAL TARGET FORMATION Devonian Shale	, '		Danti		
Depth of completed well uses feet	D.C.	otani v	Depti	h 31421-3	148 feet
Depth of completed well 4566; feet	Ro	tary_x	_/ Cable	13142'-3 Tools	1448
Depth of completed well 4566' feet Water strata depth: Fresh 140 feet;	Rc S	salt <u>N</u> /	_/ Cable	Tcols	
Depth of completed well 4566; feet Water strata depth: Fresh 140 feet; Coal seam depths: None	Rc S	salt <u>N</u> /	_/ Cable	Tcols	
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Depth of completed well 4566' feet Water strata depth: Fresh 140 feet; Coal seam depths: None  PEN FLOW DATA  Producing formation Berea Balltown Gon Gas: Initial open flow 1.000 lkf/d  Final open flow 1.000 lkf/d  Time of open flow between initiate open flow multiple completion  Second producing formation  Gas: Initial open flow lkf/d	Rcc S	otary x  alt N/ Is coal b  pay der Init  Fina  l ard fina  measuremer  Pay z  l: Initi	_/ Cable	Tools  I in the a  3142'-  low_show  hours  14 hours	area? No  3448feet  Bbl/d  Bbl/d  shut in  feet  Ebl/d
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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STITULATING, PHYSICAL CHANGE, EIC.

One Stage Perforation

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3168 3170	3435 3437	3984 3986 WELL LCG
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and	2398	2485	•				
Shale	2485	2640					
and	2640	2800					•
hale	2800	2813					
and	2818	2942	•				
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· · · · · · · · · · · · · · · · · · ·	3200	3308				-	
Balltown	1 .7500						



DIVISION OF OIL & GAS DEPARTMENT OF ENERGY (Attach separate sheets as necessary)

Big A OIl Company	
Well Operator	
17/10 125	
By: 1/2(01)	Designated_Agent
Date: 10/12/84	

RDARKS

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 with, encountered in the drilling of a well."



IV-35 (Rev 8-81)

State of Mest Nirginia

Department of Mines noicivity and dan 180

Dace occoper 1	2. 1904
Operator's	
Well No. 1F	<u> </u>
Farm Hively	
API No. 117	107 - 1264

WELL OPERATOR'S REPORT OF G AND/OR STIMULATING, O

	arpenter	Run		·
District: Union County Wood	· · · · · · · · · · · · · · · · · · ·	_Quadrangl	e Valle	ey MIlas
	:			
COMPANY Big A Oil Company	<b>:</b> :			
ADDRESS Box 83. Harrisville. WV 26362	Casing	Used in	Teft	Cement
DESIGNATED AGENT A D Steed	Tubing	Drilling		fill up
ADDRESS Sameas above	Size			
SURFACE CWNER Grace Hively	20-16 Cond.			
ADDRESS Rt. 1, Waverly, WV	13-10"			
MINERAL RIGHTS OWNER Grace Hively	9 5/8			
ADDRESS Same as Above	8 5/8			l
OIL AND GAS INSPECTOR FOR THIS WORK Homer	7	1000'	1000	to surf
Daugherty ADDRESSBox3-1. Looneyville, WV	5 1/2			
PERMIT ISSUED 5/31/83	4 1/2	4566	4566	3142'
DRILLING COMMENCED 10/2/83	. 3	4500	4500	3142
DRILLING COMPLETED 10/7/83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners			
N	used			•
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TOTOTORE MADOTTE PODICEMENT		Dept	h 31421-3	3448 ' feet
Depth of completed well 4566; feet F	otary_x_	_/ Cable	T∞ls_	
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Depth of completed well 4566' feet F Water strata depth: Fresh 140 feet; Coal seam depths: None  PEN FIOW DATA  Producing formation Berea Balltown Gord Gas: Initial open flow 1.00 Mcf/d  Final open flow 1.00 Mcf/d  Time of open flow between initi  Static rock pressure 400 psig(surface) (If applicable due to multiple completion— Second producing formation	Salt N Is coal l on Pay nder Init Fina al and fir measureme	/ Cable /A feet  zone depth cial open flo al tests u  cnt) after  zone depth	in the	area? No  3448feet Bbl/d Bbl/d s shut in feet
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(SEAFICE)

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

### One Stage Perforation

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WELL LOG	•	5110 51.	3,31		

	T		REMARKS
ORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
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and .	325	364	Bradford 3614 -3850
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and	.990	1020	Alexander 4401 : 4436
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and	1435	1520	• 111
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and	2170	2212	560
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and /.	2259	2294	
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drdon	2370	2398	
Salnd	2398	2485	
hale	2485	2640	
Sand	2640	2800	•
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Sand	2818	2942	•
Shalla	2942	3200	•
	3200	3308	
Ballown	1 2500 1	2200	

(Attach separate sheets as necessary)

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1)	Date:	3.55 × 3		_, 19
2)	Operator's			
	Well No	<u> 115 year e</u>	1. 1	·
3)	API Well N	47	107	1264

County

Permit

State

# STATE OF WEST VIRGINIA

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HOLL AND AND SOME TO			67.19			DRILLING PER				YY
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Commission	Expires						Its:	Propide	11 %	
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amed coal or fines at Char	erator, co	al owner(	s), and coa	l lessee	on or l	pefore the day of the	mailing or	delivery of th	nis Permit App	lication to the Departme
equired Copicopics of this	Permit Ap	pplication	and the en	closed	plat and	d reclamation plan ha	ve been ma	ailed by regist	tered mail or d	elivered by hand to the a
answer above	is No, no	thing add	itional is n	eeded.	If the a	nswer is Yes, you ma	y use Affid	lavit Form IV	7-60.	
milar provision of m				ner of	the oil	or gas in place which	is not inh	erently relate	ed to the volum	ne of oil or gas so extra
the right to e	xtract, pro	duce or m	arket the o	il or ga	s based	upon a lease or other	continuing	contract or co	ontracts provid	ing for flat well royalty o
☐ The required The PR	2.6		2-4-1-(c) (1)	throu	gh (4).	(See reverse side for	specifics.)			
Included	l is the lea	se or lease	es or other			ntract or contracts by		old the right	to extract oil	gas.
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0.00			hs: Fresh	$\frac{14}{m}$	tu /a	feet; sa Is coal b	t,	fe	et.	
		a <b>din</b> tied	well,	55(	10	feet				
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lame	ares.	Jougn 3-A	erty Leone:	vv1	lle.	WV	Addres	<b>SS</b>		
OIL & GAS H	ISPECTO	R TO BE	NOTIFIE	D			Name		n/a	
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Acreage	-	1.09					Name			
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URFACE OV		t. 1	MA VEL	<u>y</u>					n/a	
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VELL OPERA					, In	11)		ATED AGEN	rr <u>Caso</u>	Staluaker
	Distric	et: Un	don	- 7.7		County: WCO			Quadrangle: 🔍	alies Milla
	Elamon	ion:	700			Watershed:				
OCATION:	B (If "	Gas", Pro	duction _			/ Underground stor	age	. /	Deep	_/ Shallow
ELL TYPE:						✓ Underground stor	age	/ 1	Deen	/ Shallow

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

Casing

Plat:

Agent:

Permit expires
Bond:

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

Administrator, Office of Oil and Gas



) [	Date:	January	03	, 19_	84
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2) Operator's

Hively 1F Well No.\_

3) API Well No. 47 -107 - 1264-DD County

Permit

OIL LICAS DIVISION

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

### APPLICATION FOR A WELL WORK PERMIT

) WELL I	VDE. A	Oil	/ C.		V /						
						Lindaranaund	storage	/ D	, a	V	
) I OCATI							Carpent			<u> </u>	
) LOCATI							•			·····	
WELLO							Wood				
		P.O.			r, inc		7) DESIGNATE	P.O.		.ker	
Addre	SS				2635	1	Address			26251	
					2033	<del>_</del>			ille, WV	26351	
OIL&G	IL & GAS INSPECTOR TO BE NOTIFIED  ame						9) DRILLING CONTRACTOR: Name Gene Stalnaker, Inc.				
	- <del></del>	Jerry	<u>/ repi</u>	1a b o	C K						
Addre	ss				ley, W	<u>v</u>	Address		Box 178		
			6805			<del></del>		Glenv	ille, WV	26351	
PROPOS	ED WELL	WORK:					/ Redrill				
			Plug of	f old fo	ormation	/ Perfor	rate new formation	/			
			Other p	hysical o	hange in we	ll (specify)					
GEOLOG	GICAL TAP	GET FOR	MATION	, 🕌	X <b>XXXXX</b> X	<u> </u>	XXBrown Mar	cellus			
12) Estin	nated depth	of complete	ed well,	<u> </u>	5500	feet					
							t, <u> </u>				
14) App	oximate co	al seam dep	ths:		n/a	Is co	al being mined in the	e area? Yes	/ No	_X/	
		ING PROC									
ASING OR	1	SPEC	EFICATIONS	3	· 11	FOOTAGE !	INTERVALS	CEMENT FILL-U	P PACK	ERS	
UBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	-		
ductor	11 3/	1	PC 1.11	- 1	x	40 °	Delt in wen	(Cabic leet)	Vindo		
h water	10 5			i. 1	×	250'	250'	CTS	Kinds		
<u></u>	7''	1		l	<del> </del>			· · · · · · · · · · · · · · · · · · ·	W PLACE		
rmediate	<del></del>	1077	2011	Х		1700'	1700'	CTS /	Sizes		
	8 5/8		201b	×		800'	800'	Tex xSt xxx xxx	- 11		
duction	4 1/2	IERW	10.50	x			55001	2000' Fil:	Depths set		
ing		+				·	<u> </u>	₩ Up		74 DY	
ers		<del> </del>				<del></del>	<del> </del>		Perforations	4/8:01	
		<del> </del>	<del>  </del>						Тор	Bottom .	
		<del> </del>	<del>                                     </del>				<u> </u>	<u> </u>			
	1	<u> </u>						<u> II</u>			
						FICE USE (					
						FICE USE (					
nit number	47-	-107-120	64-DD					Januar	.v 4,	19 84	
nit number				7 1 2 4	DR			Januar		19 84	
	Form	erlv 4	47-107	7 – 1 2 (	<b>DR</b> 	ILLING PE	RMIT		Date		
permit covernents sub	Form vering the w	erly 4 vell operato	47-107 or and well contained l	l location herein ar	DR 64 n shown belond on the rev	ow is evidence overse hereof. No	Of permission grante	ed to drill in accordiven to the District	Date dance with the per Oil and Gas Inspe	tinent legal re-	
permit coverness sub 8) Prior to	Form vering the w	erly 4 cell operato conditions c	47-107 or and well contained l	l location herein ar ons and	DR 64 n shown belond on the rev	ow is evidence errse hereof. No	of permission grante	ed to drill in accordiven to the District	Date dance with the per Oil and Gas Inspe	tinent legal re-	
permit coverness sub 8) Prior to	Form vering the w	erly 4 cell operato conditions c	47-107 or and well contained l	l location herein ar ons and	DR 64 n shown belond on the rev	ow is evidence overse hereof. No	of permission grante	ed to drill in accordiven to the District	Date dance with the per Oil and Gas Inspe	tinent legal re-	
s permit coverness sub 8) Prior to rict oil and permitted	Form vering the wiject to the construing as inspects	erly 4 well operato conditions c ction of ros or 24 hours	47-107 or and well contained l ads, locations before ac	l location herein ar ons and tual peri	DR 6 4 n shown belond on the revipits for any mitted work	ow is evidence of erse hereof. No permitted work has commence	of permission grante	ed to drill in accordiven to the District ell operator or his	Date dance with the per Oil and Gas Inspe contractor shall no	tinent legal re- ctor, (Refer to tify the proper	
s permit coverness sub 8) Prior to rict oil and permitted rise hereof.	Former regions to the wiject to the construing as inspected work is as desired.	erly 4 vell operato conditions c ction of ros or 24 hours described in	47-107 or and well contained l ads, location before acc the Notice	l location herein ar ons and tual peri	DR 6 4 n shown belond on the revipits for any mitted work	ow is evidence of the series hereof. No permitted work has commence at, and reclams	of permission grante otification must be g a. In addition, the w ed.) ation plan, subject t	ed to drill in accordiven to the District cell operator or his control of any modification	Date dance with the per Oil and Gas Inspe contractor shall no	tinent legal re- ctor, (Refer to tify the proper pecified on the	
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