







IV-35 (Rev 8-81)

State of West Birginia

Bepartment of Mines Gil and Gas Zivision

Date	May 2	<u>3, 198</u>	3	
Operati	or's			
Well N	o	#1		
Farm_	Sewel:	l-Kibe	е	
ADT NO	47 -	005	- 626	

WELL OPERATOR'S REPORT OF

DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

WEIL TYPE: Oil XX / Gas / Liquid Injection / Underground	n / Wast	e Disposa	1 /	allow /)
LOCATION: Elevation: 1019' Watershed I	ocust Run			
District: Grant County Rito	chie	Quadrangl	e 7½' Mac	Farlan
COMPANY Petroleum Development Corporation				
ADDRESS P.O. Box 26, Bridgeport, WV 26330	Casing	Used in	Left	Cement
DESIGNATED AGENT Michael L. Edwards	Tubing	Drilling		fill up Cu. ft.
ADDRESS P.O. Box 26, Bridgeport, WV 26330	Size	·	Tr werr	Cu. It.
SURFACE OWNER West Vaco	20-16			
ADDRESS c/o Woodland, MCR, Parkersburg, WV 26101	Cond.			Cenent to
MINERAL RIGHTS OWNER Mary Sewell & G. Kibee	13-10"	30'	30'	surface
ADDRESS 1801 Dulancev Place, Philadelphia, PA 1910	9 5/8	11021	11021	066 -1-
OLL AND GAS INSPECTOR FOR THIS WORK Samuel		1183'	1183'	266 sks.
Hersman ADDRESS P.O. Box 66 Smithville, WV 26178	7			
PERMIT ISSUED April 6, 1983	5 1/2			
DRILLING COMMENCED May 5, 1983	4 1/2	4881'	4881'	483 sks.
DRILLING COMPLETED May 11, 1983	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GFOLOGICAL TARGET FORMATION Marcellus Shale		Dept	.h 5500	feet
Depth of completed well 5118 feet R				
Water strata depth: Fresh 60 feet;				
Coal seam depths: N/A			d in the	area? No
OPEN FLOW DATA				<u> </u>
Producing formation Devonian Shale	Pav	zone de ot	h 3520 -	3914 fact
Gas: Initial open flow 132 Mcf/d	Oil: Ini	tial open	flow 0	Ph? /3
Final open flow Mcf/d				
Time of open flow between initi				
Static rock pressure 364 psig(surface				
(If applicable due to multiple completion-				es sente Til
Second producing formation		zone dept	h .	feet
Gas: Initial open flow Mcf/d	Oil: Init	tial open	flow	Ph1 /4
Final open flow Mcf/d	Oil: Fina	al open fl	CW.	Ph1 /a
Time of open flow between initi	al and fir	nal teste	h~	
Static rock pressurepsig(surface)	measurene	nt) after	hou	TOT 11 1985 rs shut in

 FORM IV-35 (KEYERSE)

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

 $(N_2 + \omega_2)$ <u>lst Stage</u> 30 perfs (3520-3914) $N_2 - 1,175,000$ scf $\omega_2 - 28,000$ lbs. Acid - 500 gals. Paraffin inhibitor - 300 gals.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOITOM FEET	REMARKS Including indication of all fresh
			and salt water, coal, oil and gas
K.BG.L.	0 .	10	•
Sand, shale, red rock	10	1819	Fresh H ₂ O @ 60'
Big Lime	1819	1850	Salt H ₂ O @ 1840'
Big Injun	1850	1950	Saic 1120 & 1040
Squaw	1950	2019	
Sand, shale	2019	2383	
Sunbury Shale	2383	2389	
Berea	2389	2392	
Sand, shale	2392	2490	
Gantz	2490	2520	Show of oil @ 2518'
Sand, shale	2520	2770	2.2. 01 011 6 2010
Gordon Stray/Gordon	2770	2793	
Sand, shale	2793	3276	
Huron	3276	4474	
Java	4474	4825	
Angola	4825	5118 T.D.	•
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(Attach separate sheets as necessary)

Petroleum Development Corporation	
Well Operator	
By: M. Charles	
Date:	

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 and, encountered in the drilling of a well."

DRILLING CONTRACTOR:

A505	WES	T V	_
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3/3/	4	(C.)	层
(a)	1)~
14.6		3/	*
A S.	a, start	· Viet	100

1)	Date:	Sarch_	25		, 19
2)	Operator'	's		47	

County

Permit

Well No. 47 3) API Well No. _

State

STATE OF WEST VIRGINIA

	·		DEP.	ARTMENT O	F MINES, OII	AND GAS D	IVISION		
			. 0	IL AND GAS	WELL PERM	IT APPLICA	TION		
			-				•		
) WELL TYP			45						
) LOCATION	• .	Gas'', Pro	duction [U19*		_	storage			/ Shallow/)
) LOCATION	: Elevat Distric		ratt			Locust R Ritchie		• • • • • • • • • • • • • • • • • • • •	71 Meeters
) WELLOPE				Looment C	orogratic	MILLENIE	Quad	rangle:	7%' MacFarlan ph Pasini III
Address	Pr) Box 3	26			Addr			ox 26
	10	ridgepo	rt, W	26330		, , , , , , , , , , , , , , , , , , ,			geport W That
OIL-& GAS		il. or .		17 0 0					
ROYALTY	OWNER _			ell & G. Incey Pla		12) COAL C	PERATOR		
Address				hia, PA		Addr	ess		
Acreage	321			784 da 46 g . a. 43		10) 00 41 0			
Acreage SURFACE (ST VACC)			3.5		ATION ON RECORD:
Address				NDS, MGR	 -	Addre			
		Pá	ırkersbu	rg, ax	26101	Auur			
Acreage	321					Name _			
FIELD SAL	E (IF MADI	E) TO:			·	Addre	ess		
Address		·					·		
		· · · · · · · · · · · · · · · · · · ·				14) COAL L	ESSEE WITH DE	CLARATI	ION ON RECORD:
OIL & GAS		7.		Heraman		Name _			
Name			Box 66		-	Addro	ess		
Address			ithvill		617 8				
PROPOSED	WORK.					: 111	Fracture or stir	mulata	
1101 0022	WORK.	Plug off	old formati	on	/ Perforate	new formation	on/	nuiate	
				in well (specif		new formation	, <u>n</u>		
GEOLOGIC	AL TARGE	T FORMA	TION,	Marcell	us Shale				
17) Estimat	ed depth of c	ompleted v	vell,	5500	feet				
18) Approx			2.1	35	feet;	salt, 1660	feet.		
19) Approx	imate coal se	am depths:	13	one	Is co	oal being mined	in the area? Yes.		/ NoX
CASING A	ND TUBING	PROGRA	AM						
CASING OR	1	SPE	CIFICATIONS	` 	FOOTA	GE INTERVALS	CEMEN	r FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight	New Used	For drilling	Left in	ORS	ACKS	TACKERS
Conductor	11 3/	÷ 61−40	44		30	30		ent to	Emer face
Fresh water									Rinus
Coal									Sizes
Intermediate	7 3/8	第一年()	23		1170	1170	l	ent to	Surface
Production	4 2	3-5 5	10.5		51 00	5100	340	SKS	Depths set
Tubing	#								
Liners	#		 						Perforations:
	#								Top Bottom
	#								
EXTRACTION	ON RIGHTS		Land Lin	H	·		X and X in a X in a		4
Check and p			wing:						
Includ	led is the leas	se or lease:	s or other co	ontinuing contr	act or contract	s by which I h	old the right to ex	tract oil or	gas.
			-4-1-(c) (1) tl	hrough (4). (S	ee reverse side	for specifics.)			
ROYALTY I		_	arket the oil o	or gas hased un	on a lease or of	her continuing	contract or contra	cte providir	ng for flat well royalty or any
similar provi	sion for com	pensation	to the owner	er of the oil or	gas in place v	hich is not in	herently related to	the volum	e of oil or gas so extracted,
produced or	marketed?	Yes ∐	No 🗀 🗀						<u>-</u>
the answer abo Required Co			nonal is need	ded. If the ans	wer is Yes, you	may use Affi	davit Form IV-60.		
-	• . •	,	and the encl	osed plat and r	eclamation pla	n have been n	nailed by registered	mail or de	elivered by hand to the abov
named coal	operator, co	al owner(s), and coal l	essee on or bef	fore the day of	the mailing or	r delivery of this P	ermit Appl	lication to the Department of
	arleston, Wo		a.						
Notary:					_	Signed: _			sident
My Commission	on Expires	Titte sees	i (a / 1)			Its:	Vi	ce-Prai	sident tion & Davelopman
, , , , , , , , , , , , , , , , , , ,				Ō.	FICE USE		procecton,	rroduc	cion o pevelopada
		44 44		The state of the s	RILLING P	.08900		F	
rmit number		83-63 6			MELLING P	ENEXIVE E	1000年11月1日	18	Charles the second
						*****	·	Date	-
is permit cover	ing the well	operator a	nd well loca	tion shown bel	low is evidence	of permission	granted to drill in	accordance	ce with the pertinent legal re
lefer to No. 10)	Prior to the	construction	on of roads.	locations and p	its for any pern	nitted work In	nust be given to the addition, the well o	e District C	Dil and Gas Inspector. his contractor shall notify th
oper district oil	and gas insp	pector 24 h	ours before	actual permitte	ed work has co	mmenced.)	The state of the s		
rmit expires _		oorber	Og Lird	.i	unless	drilling is com	nenced prior to tha	t date and i	prosecuted with due diligence
Bond:	Agent	: I	Plat:	Casing	Fee	7 -	-		
i .	1				1 :		Administrator		

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