







IV-35 (Rev 8-81)

State of Mest Birginia

Pepartment of Mines
Bil and Gas Pivision

Date	January	10,	1983					
Operator's								
Well No. #2								
Farm S	tearns							
API No. 47	- 085	400	6092					

MAN 53 1983 :

WELL OPERATOR'S REPORT

			OF.			
DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

the state of the s				
District: Grant County Rite	<u>chie</u>	_Quadrangl	e Petrole	∋um
DMPANY Petroleum Development Corporation				
DDRESS P.O. Box 26, Bridgeport, WV 26330	Casing	Used in	Teft	Cement
ESIGNATED AGENT Michael L. Edwards	Tubing	Drilling		fill up Cu. ft.
DDRESS P.O. Box 26, Bridgeport, WV 26330	Size			
JRFACE OWNER Phillip Stearns et al	20-16	10-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
4701 Willard St., Apt. 1626 DDRFSS Chevy Chase, MD 20015	Cond.			Cement to
INERAL RIGHTS OWNER Same as Surface Owner.	13-10"	30'	30'	surface.
DDRFSS Same.	9 5/8	0.05	005	0.50
IL AND GAS INSPECTOR FOR THIS WORK Samuel	8 5/8	885	. 885	250 sks.
Hersman ADDRESS Box 66, Smithville, W	7			
RMIT ISSUED December 16, 1982 26178	5 1/2			
RILLING COMMENCED December 23, 1982	4 1/2	4408	4408	550 sks.
RILLING COMPLETED January 1, 1983	3			
F APPLICABLE: PLUGGING OF DRY HOLE ON	2		63	1 5 1983
DATINUOUS PROGRESSION FROM DRILLING OR	Liners		(,	
EWORKING. VERBAL PERMISSION OBTAINED	used		(. 8	CAS VISIO
	8		DEPT	OF MIN
EDIOGICAL TARGET FORMATION Marcellus Shale				0feet
Depth of completed well 4503 feet			T∞ls_	
	Salt_369			
Coal seam depths: 144	_ Is coal	being mine	ed in the	area? No
PEN FLOW DATA				
Producing formation Devonian Shale	Pay	y zone dept	h 2288–4	371 feet
Gas: Initial open flow 122 Mcf/d				
Final open flow Mcf/d	Fir	nal open f	Low	Bbl/d
Time of open flow between ini-	tial and f	inal tests	ho	urs
Static rock pressure 398 psig(surface		_		
(If applicable due to multiple completion				
Second producing formation	Pay	y zone dept	h	feet
Gas: Initial open flow Mcf/d				Ebl/d
Final open flow Mcf/d				
				urs MM 2

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

			· · · · · · · · · · · · · · · · · · ·	CO ₂ (1000 ² lbs.)	(MCF)	ACID (Bbls)
<u>lst Stage</u>	$N_2 + CO_2$	27 perfs	(3698-4371)	pola 13 Phinist	338	6
2nd Stage	N ₂ + CO ₂	31 perfs	(2748-3597)	rom 21 → Jack	, Bigole	6
3rd Stage	$N_2 + CO_2$	28 perfs	(2288-2722) Links	now32	310	6

WELL LOG

Huron 2288-3075 Java-3075-3440 Angola-3440-3814

	W	ا فكلا بليك	Chandrat - 3814-4371
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
K.B G.L. Sand, shale, red rock Big Lime Big Injun Squaw Sand, shale Sunbury Shale Berea Sand, shale Gordon Sand, shale Huron Java Angola Rhinestreet	0 10 480 558 662 674 1040 1048 1074 1454 1479 2150 3075 3440 3814	10 480 558 662 674 1040 1048 1074 1454 1479 2150 3075 3440 3814 4456	Gas check @ 1446' - 6/10 thru 1" H20 Gas check @ 2525' - 6/10 thru 1" H20 Gas check @ 3474' - 6/10 thru 1" H20 Salt H20 @ 3692'

(Attach separate sheets as necessary)

Petroleum Development Corporation	
Well Operator	
By: Mas	
Date: May 7, 1983	i sa

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."

DRILLING CONTRACTOR:



1)	Date:	81 14	, 19
2)	Operator's	43	

County

Permit

State

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION

			OIL AND	GAS WELL PF	RMIT APPLICATION	kan Pilina .	
All Land a manacaman		73% , -	- 8090				
WELL TYPE		Gas", Production	1,420,00	/ 17-3	and at a size -	er servinitga et ante da Li vida p artic	/ Shallow /
LOCATION:	,	tion:	.1	/ Undergro	und storage	/ Deep	_/ Shallow/
LOCATION.	Distri	Charles and the Control of the Contr	· .	watersned		Ovodensko	Petroleus 70
WELL OPER			Tald Children		11) DESIGNATE		THE STREET PROPERTY CONTROL OF THE PROPERTY OF
Address		% 4.0 ₃	ast kain	54.	Address		Và Bant Tain di
	Brias	depost 17	26339	a sana a sa		Tridgeport.	VY 253332
OIL & GAS		Middle or one of					
ROYALTY O		<u> </u>			12) COAL OPER	ATOR	
Address	- <u>4 A.A.</u>		-0 0 0 0	<u> </u>	Address		
	755	<u> </u>	rylanc i				
Acreage	********	ane as roy	Ca & Surgar		White Miles	ER(S) WITH DECLAR	RATION ON RECORD:
Address	WINER	and the second of the second o	Manager and St.		Name		
Audicss	9 202		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·	Address		
Acreage	30 8 J				Name		
FIELD SALE	E (IF MAD	E) TO:			Address		
Address	· <u></u>	<u> </u>	<u> </u>				20 prinspija – 1821 – 1
	*****				14) COAL LESSE	E WITH DECLARA	TION ON RECORD:
OIL & GAS I	m.	OR TO BE NOTI			Name		
Name	- 30000		22.73		Address	n <u>garan bada kalendar 1977 da</u> Kabupatèn kada kada bada bada	
Address		vílla. W				egwyddigillau Ballodd (1966) Chagogaeth Genedd	
DDVDVccc	<u> </u>	609					
PROPOSED	WUKK:		/ Drill deeper		Redrill/ Fra		
		Other physical c			rate new formation		
GEOLOGICA	AL TARGE	T FORMATION			<u> </u>		
		completed well,	- 参写		feet		en eger esserva esta
8) Approxim	nate water	strata depths: Fi		feet	; salt,	feet.	
9) Approxim	nate coal se	eam depths:	more:		Is coal being mined in th	e area? Yes	/ No
CASING AN	D TUBING	G PROGRAM					
CASING OR	ii	SPECIFICA	TYO. 10				
TUBING TYPE		Weig	tht		OOTAGE INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
onductor	Size	Grade per i	ft. New Use	d For drillin	g Left in well	(Cubic feet)	
esh water	H						Kinds
oal	l l						Sizes
termediate	7 3 7 7 7 7	11-90 7.00	1 22 1	1 1 1 1 9 0		denomic to s	
oduction	4 4/4						Depths set
ubing	Ц						
iners							Perforations:
							Top Bottom
	 	ļ					
	<u> </u>	<u> </u>		<u> </u>			
EXTRACTIO							
-		of the following:	her continuing	contract or conf	racts by which I hold th	ne right to extract oil o	
The rec	quirement o	of Code 22-4-1-(c)	(1) through (4)). (See reverse s	ide for specifics.)	ie fight to extract on c	n gas.
ROYALTY P							
is the right to	extract, pro	oduce or market th	ne oil or gas bas	ed upon a lease	or other continuing conti	ract or contracts provid	ing for flat well royalty or
similar provisi produced or n				oil or gas in pla	ce which is not inheren	tly related to the volu	me of oil or gas so extra
			•	e answer is Yes,	you may use Affidavit	Form IV-60.	
Required Cop	ies (See rev	verse side.)					
Copies of thi	s Permit A	pplication and th	e enclosed plat	and reclamation	plan have been mailed	by registered mail or	delivered by hand to the
Mines at Cha			Coar ICSSEE Off	or neinte the da	y or the maining of deliv	very or unis Permit Ap	plication to the Departme
otary:				was to the first	C:		
	- D	- And a Wind Wood of			Signed:	Canager of to	Fra. 2.05.8
y Commission	Expires				Its:		<u>- Marian Barin, Albaran ada Maisa</u> Kabupatan Pelangan Baran ada merebah
				OFFICE U	SE ONLY		
			100	DRILLING	C0000000000000000000000000000000000000	tic estre of 1.6	
it number							19
			11 1			Da	집 집 그 모양하는 사람들은 사람들은 사람들은 사람들은 사람들이 없다.
permit covering ments subject	ng the well to the cor	operator and we	II location show herein and on	In below is evidenthe reverse here	ence of permission gran	ted to drill in accorda	nce with the pertinent leg- Oil and Gas Inspector.
er to No. 10) I	Prior to the	construction of r	oads, locations	and pits for any	permitted work. In additi	ion, the well operator of	or his contractor shall notif
r district oil a	and gas ins	pector 24 hours b	efore actual pe	rmitted work ha	s commenced.)		
it expires	The section is			un	less drilling is commence	ed prior to that date and	l prosecuted with due dilig
ond:	Agen	t: Plat	Casi	ng Fee	1 20	W 10 1	11th
		1/1	1 X13	7		Administrator, Office of	of Oil and Gas

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