



	ne 23 [†]	, 19	82
Operator's Well No		#1	
API Well N	lo. 47	085	5775

State County

Permit

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE:	Oil/	Gas/				
		uction/			Deep/	Shallow/)
LOCATION:	Elevation: 88	0 '	Watershed: Goo	ose Creek		
					Quadrangle:	
WELL OPERAT	OR PETROLEUM D	EVELOPMENT COR	PORATION DE	SIGNATED AGI	ENT John R.	Mitchell
Address	,					st Main Street
		V 26330			geport, WV 2	
OIL & GAS			characteristic and the second		<u> </u>	
ROYALTY OW	NER Phillip S	tearns	co	AL OPERATOR		
Address	4701 Willard	Street		Address		
	Apartment 162	6, Chevy Chase	MD 20015			
Acreage	965		CC	AL OWNER(S)	WITH DECLARA	TION ON RECORD:
_	VER same as a	oyalty				
Address						
Address			American Company Compa	Address		
			ACONOMIC PROPERTY AND ADMINISTRATION AND ADMINISTRA	-		
			Na			
FIELD SALE (IF MADE) TO:			Address		
Address_			-			
			cc	AL LESSEE WI	TH DECLARATIO	ON ON RECORD:
OIL & GAS IN	SPECTOR TO BE 1	OTIFIED	Na	me		
Name	Deo Mace					
Address	Rt 1, Box 5		*			
	Sandridge, WV	25274				
The undersian	ed well operator is an	titlad ta anamata fan i	::	-448. 1		
						/ lease
other contract	_xx/ dated <u>Jun</u>	<u>e 4</u> , 19	82, to the u	ndersigned well o	perator from Mag	num Oil & Gas
(IF said deed, le	ease, or other contra	ct has been recorde	d:) ser	at out for r	ecordation	
				County Commiss	sion of	County, West
		at page				
		Drill deeper				,
					***************************************	/
		formation/		iormation	/	
	Other physic	al change in well (s	pecify)			
			_			
# 1		shown on the work				
						make or are required to
	22-4-3 must be filed	with the Department	of Mines within	fifteen (15) days	after the receipt of	this Application by the
Department.						
						il or delivered by hand to
		and the second s	see on or before the	ne day of the mail	ing or delivery of th	nis Permit Application to
the Department	of Mines at Charles	ton. West Virginia.			•	
	T COPIES OF ALL					
TO:	LOGS DIRECTLY	JUL 2 3	1982	PETROLEU	M DEVELOPMENT	CORPORATION
WEST VIRGINI	A OIL AND GAS	the two the C	151 same - 1687 2006		Well Operate	
CONSERVA		Oil & GAS	DIVISION	By Wille	ain K. Dwe	ween to
SION 1615 WASHINGT	TON STREET EAST		FMINES	Ite Chaif F	xploration &	Production
CHARLESTON,				112 CHETT E	APIOIALIUN &	rioduction
TELEPHONE: (304) 348-3092	THE A SHE ST. THE TOTAL SHEWAY AND RESIDENCE AND AND				
		BLANKET BE				

FORM IV-2 (Reverse) (12-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CO	NTRAC	TOR (IF	KNOW	N)	····	Union Dr	illing			
				Ad	dress	Drawer 6	0			
*			*4	. فارت		Buckhann	on, WV		7.	
GEOLOGICAL	. TARGE	T FORM	MOITAN	,0	riska	any				
Estimate	d depth	of comp	leted we	11,	550	<u>)O</u> fe	et Rotar	// Cab	le tools	/
Approxi	mate wate	er strata	depths:	Fres	h,1	.70feet	; salt, 35	O feet.		
Approxi	nate coal	seam d	epths:	1	none	Is coa	l being mined	in the area? Yes	/ No	xx /
CASING AND				-				-		ent lakense entregeden Orland Orlane entregez zete e
				····				Miller Miller Region (Marie Marie Ma		1-
CASING OR	W 505	CIFICATI					INTERVALS	tt gageraageraagerageragerageragerageragera		
TUBING TYPE		Grade	Weight per ft	New	Used	For drilling	Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	TTTO TTTO TO BE A STATE OF THE
Conductor	16	-H	55#		х	30'	0,		Kinds	
Fresh Water	13 3/	8	48#	<u> </u>		2001	200 *	cement to surf	ace	
Coal									Sizes	
Intermediate	9 5/8	H-40	36#	x		1200'	1200 '	cement to surf	ace	
Production	7"	J-55	26#	x		4700°	4700°	500 sks	Depths set	
Tubing										
Uners		Million of the Control of the Contro							Perforations:	
41700									Тор	Bottom
-										
							C DEBURNE			
the D presc "Rec previc Code	epartmen ribed by lamation ously paid §22-4-8a eparate F	t, accomp Regulati Plan'', a lon the s a from the orm Iv-2	panied by on 12, o pplicable ame well ie owner shall not	y (i) a r in li to th the for of an be req	plat in ieu the e recla ee reque y wate	the form presereof the other mation requirated by Code of well or dwe or fracturing o	cribed by Regu r security allo ed by Code \$ 22-4-12a, and lling within 200 r stimulating a	ur copies of Form IV-2 lation 11, (ii) a bond i wed by Code § 22-4-22-4-12b and Regulati(v) if applicable, the colorest of the proposed well where fracturing Form IV-2 filed in contract.	n one of the form IV-9 on 23, (iv) unles on sent required b well.	s , , s y
			co AT T	HE W	ELL SIT	en general de la companya de la comp				
THIS PERM	T MUST	sida IN	ACCO	DAN(ge Wit	H CHAPTER (22.,			
ALL PROV	ISIONS O	W. VA.	CODE, I	THE L	CATI	ON IS HERES'	X PIRE			•
							VI.			
APPROVE IF OPERA	richis li		ycoM	MENC			Secretaria a re-			
BY C				-()	and the second s			1	
							issued within	al owner or coal lessee fifteen (15) days of r		ia
The undersign	ed has no	o objection	on to the	work	propos	/ lesse ers the area of	e/ of	the coal under this van, the well location han, provided, the well s.	- 1	and the second of the second o
Date:			. 19				Ву			

TOTAL STATE OF THE STATE OF THE

IV-35 (Rev 8-81) DEFT. OF MINES

Date January 10, 1983
Operator's
Well No. #1

Sinte of Mest Hirginia Well No. #1

Bepartment of Mines Gil und Gas Bivision Farm Stearns

API No. 47 - 085 - 5775

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: ON XX / Gas XX / Liquid Injection (If "Gas," Production XX / Undergrow	n/ Wast und Storag	e Disposal e/ Deep	/ Sha	llow <u>XX</u> /)
IOCATION: Elevation: 880' Watershed Go	ose Creek			A STATE OF THE STA
District: Grant County Rito	hie	Quadrangle	Petrole	eum
and the state of t		•		
COMPANY Petroleum Development Corporation	7			Cement
ADDRESS P.O. Box 26, Bridgeport, WV 26330	Caşing	Used in	<u>left</u>	fill up
DESIGNATED AGENT Michael L. Edwards	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Box 26, Bridgeport, WV 26330	Size			
SURFACE OWNER Phillip Stearns	20-16 Cond.			Cement to
ADDRESS 4701 Willard # 1626, Chevy Chase, MD 2003	13-3/8"	205	205	surface.
MINERAL RIGHTS OWNER Phillip Stearns	9 5/8			
ADDRESS Same as above.	8 5/8	1420	1420	485 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Samuel	7			
Hersman ADDRESS Box 66, Smithville, WV 261	⁷⁸ 5 1/2			
PERMIT ISSUED July 23, 1982	4 1/2	4536	4536	520 sks.
DRILLING COMMENCED August 11, 1982	3			
DRILLING COMPLETED August 19, 1982	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON VERBAL PERVIEW CONTINUES				<u> </u>
GEOLOGICAL TARGET FORMATION Oriskany		Dep	5500	feet
	Rotary XX	/ Cabl	e Tools	
Water strata depth: Fresh 100 feet;				
Coal seam depths: 111, 202		being mir	ned in th	e area? ^{No}
wat stant deputs.				***************************************
OPEN FLOW DATA		•	0110	1300 =
Producing formation Devonian Shale	Pa	y zone deg	ocu ziro-	·4509 [eet
Gas: Initial open flow 162 Mcf/d	Oil: Ir	itial oper	s etcm	O BOL/Q
Final open flow 7 Mcf/d	Fi -	nal open :	tlow /	BD1/G
Time of open flow between ini				
Static rock pressure 200 psig(surfa	ice measure	ement) aft	er 24 ho	urs shut in
(If applicable due to multiple completion				_
Second producing formation				feet
Gas: Initial open flowMcf/d	Oil: I	nitial ope	n flow_	BbI/c
Final open flowMcf/d				
Time of open flow between in				
Static rock pressurepsig(surface	œ measure	ment) afte	r h	ours shut in

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

	Perforations	<u>N</u> 2-	$\underline{\infty}_2$	<u>Acid</u>
1st Stage	angola-S 26 perfs (3489-430)	500,000 scf		6 bbls.
2nd Stage	26 perfs (2745-333)	0) 505,000 scf	11.5 tons	4 bbls.
3rd Stage	29 perfs (2118-2663	3) 1,050,000 scf		6 bbls.

Huron 2118.3106

angole - 3489 - 3812

Java - 3106 3330

Sonyca -4196-4309 WELL LOG

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 Coal Sand, shale Coal Sand, shale Big Lime Big Injun Sand, shale Sunbury Shale Berea Sand, shale Gordon Sand, shale Huron Java Angola Rhinestreet Sonyea Genesee Marcellus Onondaga Oriskany 4621 4412	¥	10 111 118 202 203 516 595 679 1060 1067 1076 1470 1498 2162 3106 3482 3812 4196 4278 4330 4412 4616 4621 T.D.	Hole damp @ 27' ½" stream H ₂ O @ 100' ½" stream H ₂ O @ 1281' Gas check @ 2190' - no show. Slight odor gas @ 3499' Slight odor gas @ 4217' 1½" stream salt H ₂ O @ 4444'

(Attach separate sheets as necessary)

Petroleum Development Corporation

Well Operator

By:

July 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 and, encountered in the drilling of a well."

7/20/88 (085-5775) Yrom allan Smith of PAC:

no gipeline was constructed you the gas & .. The well here produced gas

oil show on top of Orondage, but ail graduction is coming from somewhere in the Sevonian shale

19 vil graduction: December 1985 236 bbl in Dec. 28.669d-aug-