



WR-3 RECEIVEL

# State of West Virginia Division of Environmental Protection Section of Oil and Gas

Well Operator's R	eport of N	Well Work				
Farm name: HINTERER, PHYLLIS ETAL.	Operator	Well No.: (	COX HEIRS	#1		
LOCATION: Elevation: Quad	rangle:					
District: NEW MILTON Latitude: Feet Sou Longitude Feet Wes	th of t of	ounty: DODDI Deg. Min Deg. Mir	RIDGE . Sec. n. Sec	•		
Company:PETROLEUM DEVELOPMENT COR P. O. BOX 26 BRIDGEPORT, WV 26330-0026		Used in Drilling				
Agent: ERIC R. STEARNS			I THE METT			
Inspector: MIKE UNDERWOOD Permit Issued: 02/09/94 Well work Commenced: 03/11/94	Size   16" 	12'	12'			
Well work Completed: 03/17/94  Verbal Plugging  Permission granted on:	11 3/4"	167'	167'	  110 sks		
Total Depth (feet) 5875' Fresh water depths (ft)	8 5/8"	2002'	2002'	496 sks		
Salt water depths (ft)	4 1/2"	5744'	5744	550 sks		
Is coal being mined in area (Y/N)? N						
OPEN FLOW DATA						
Producing formation Alexander Gas: Initial open flow 15 MCF Final open flow 335 MCF Time of open flow between i Static rock Pressure 2000 psi  Second producing formation Leo Gas: Initial open flow MCF Final open flow co-mingled MCF Time of open flow between i	r/d F .nitial an .g (surfac	inal open f d final tes e pressure)	low ts after <sub>7</sub>	O Bbl/d Hours Hours		
Static rock <b>Pressure</b> psi	ig (surfac	d final tes e pressure) Pay zone o	after	Hours		
NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.						
For: PETROLE	EUM DEVELO	PMENT CORP.				

By: Eric R. Stearns
Date: April 28, 1994

**1**50.0 to 1

## OX HEIRS #1

TAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
st	Alexander	12 (5674'-5697')	50	450	500	60
Ind	Leopold	13 (5513'- 5515')	50	400	500	56
rd	Benson	13 (5372'- 5374')	50	400	500	63

## WELL LOG

ORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
CB - GL	0		
and, shale, RR	10	2208	1/2" water @ 1963'
laxton	2208	2276	
and, shale	2276		gas chk @ 2386' No Show
Big Lime	2428	2528	gas chk @ 2449' No Show
and, shale	2528	2531	
ig Injun	2531	2580	gas chk @ 2545' No Show
and, shale	2580	2691	gas chk @ 2672' No Show
Veir	2691	. 2780	
and, shale	2780	2898	gas chk @ 2860' No Show
Berea	2898	2922	
sand, shale	2922	3068	gas chk @ 3018' No Show
Gordon	3068	3120	gas chk @ 3270' No Show
and, shale	3120	3425	
th	3425	3497	
and, shale	3497	3726	gas chk @ 3550' No Show
Varren	3726	3879	
and, shale	3879	4030	gas chk @ 4019' No Show
peechley	4030	4386	
and, shale	4386	4415	
Balltown	4415	4802	
and, shale	4802	4827	
Bradford	4827	4950	
sand, shale	4950	5246	
Riley	5246	5334	
sand, shale	5334	5365	
Benson	5365	5397	gas chk @ 5368' No Show
and, shale	5397	5482	gas chk @5400' 1/10 thru 1"/water
Leopold	5482	5592	gas chk @ 5589' No Show
and, shale	5592		gas chk @ 5777' No Show
Alexander	5612		gas chk @5875' 2/10 thru 1"/water
and, shale	5740		Drillers TD
		5870	Logger TD

WK-35 Rev (5-01)

DATE: February 2, 2009 API #: 47-017-04103

## State of West Virginia Department of Environmental Protection Office of Oil and Gas

Offic	e of Oil and Ga	S					
Well Operato	or's Report of W	ell Work					
Farm name: HINTERER, PHYLLIS ETAL. LOCATION: Elevation 1411'	Ope Qua	rator Well No. drangle: New l	: COX HEIRS #1 Milton	080-0108			
District: New Milton County: Doddridg	ge			FIE Ogn			
Latitude: 13,240 Feet North 39 of	12 Deg. 30	Min. Se	ec.				
Longitude: 5,350 Feet West 80 of	42 Deg. 30	Min. Se	c.	Will Deposite			
Company: _Petroleum Development Corporation				Environmenta Pr			
The policies of the second sec	Casing &	Used in	Left in well	C			
	Tubing	drilling	Leit iii weii	Cement fill up Cu. Ft.			
Address: 120 Genesis Boulevard	16"	12'	12'	up Cu. rt.			
Bridgeport, WV 26330	11-3/4"	167'	167'	110 sks			
Agent: Alan H. Smith	8-5/8"	2002'	2002	496 sks			
Inspector: Mike Underwood	4-1/2"	5744'	5744'	550 sks			
Date Permit Issued: 07/23/2007			1 3711	330 SKS			
Date Well Work Commenced: 06/24/2008							
Date Well Work Completed: 06/24/2008							
Verbal Plugging:		1					
Date Permission granted on:							
Rotary X Cable Rig							
Total Depth (feet): 5875'							
Fresh Water Depth (ft.): 1963							
Salt Water Depth (ft.): N/A							
0							
Is coal being mined in area (N/Y)? N							
Coal Depths (ft.):N/A	Coal Depths (ft.): N/A						
OPEN FLOW DATA		•	•	ı			
Producing formation Alexander Pay Gas: Initial open flow 15 MCF/d Oil Final open flow 335 MCF/d Final of Time of open flow between initial and final static rock Pressure 2000 psig (surface pressure 2000 psig)	: Initial open flopen flow inal tests 4 Ho	lowBbl/d urs	Bbl/d				
Second producing formation Leopold Pay Gas: Initial open flow MCF/d Oil: Final open flow co-mingled MCF/d Time of open flow between initial and fi Static rock Pressure psig (surface)	Initial open flow Final open flow Inal tests	owE v] Hours					

Third producing Benson Pay zone depth (ft) 5372-5374

Fourth producing Gordon Pay zone depth (ft) 3128-3132

Fifth producing Weir Pay zone depth (ft) 2765-2785

FEB 2 7 2009

LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

By: Alan H. Smith Date:

### COX HEIRS #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
lst	Alexander	12 (5674'-5697')	50	450	500	60
2nd	Leopold	13 (5513'- 5515')	- 50	400	500	56
3rd	Benson	13 (5372' - 5374')	50	400	500	63

WELL LOG

PODM A BIT ON			REMARKS: FRESH & SALT
FORMATION	TOP FEET BO	TTOM FEET	WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	2208	1 /01 0 10604
Maxton	2208	2276	1/2" water @ 1963'
sand, shale	2276	2428	
Big Lime	2428	2528	gas chk @ 2386' No Show
sand, shale	2528	2531	gas chk @ 2449' No Show
Big Injun	2531	2580	god oble @ 35454 N- of
sand, shale	2580	2691	gas chk @ 2545' No Show
Weir	2691	2780	gas chk @ 2672' No Show
sand, shale	2780	2898	man obje 6 30601 N- 01
Berea	2898	2922	gas chk @ 2860' No Show
sand, shale	2922	3068	gas chk @ 3018' No Show
Gordon	3068	3120	gas chk @ 3270' No Show
sand, shale	3120	3425	gas cité & 3210 NO SHOW
5th	3425	3497	
sand, shale	3497	3726	gas chk @ 3550' No Show
Warren	3726	3879	Ban circ 6 3330 NO BIOM
sand, shale	3879	4030	gas chk @ 4019' No Show
Speechley	4030	4386	8 6 1073 510 0110#
sand, shale	4386	4415	
Balltown	4415	4802	
sand, shale	4802	4827	
Bradford	4827	4950	
sand, shale	4950	5246	•
Riley	5246	5334	
sand, shale	5334	5365	
Benson	5365	5397	gas chk @ 5368' No Show
sand, shale	5397	5482	gas chk @5400' 1/10 thru 1"/water
Leopold	5482	5592	gas chk @ 5589' No Show
sand, shale	5592	5612	gas chk @ 5777' No Show
Alexander	5612	5740	gas chk @5875' 2/10 thru 1"/water
sand, shale	5740	5875	Drillers TD
		5870	Logger TD



017-4103 STATE OF WEST VIRGINIA EXPLOS 2/9/96

OF ENERGY, DIVISION OF OIL AND GAS

LL WORK PERMIT APPLICATION

WELL WORK PERMIT APPLICATION

1)	Well Ope	erator:_		Petroleu	m Development C	Corporation 3820	0 6 511
2)	Operator	's Well	Number:		Cox Heirs #1	3) Ele	evation: 1413'
	·			or Gas			
1				Dee	P/	round Storage Shallow	
2)	Proposed	l Target	Formation	(s):	Alexander 439		
				5900			
	Approxim	nate fres	h water s	trata dep	ths: 280', 370',	460, 600', 895', 990	9
	Approxim	nate salt	water de	pths:	1715', 1	895',1960'	
9)	Approxim	mate coal	seam dep	ths:	525' - 5	329'	
10)	Does lar	nd contai	n coal se	ams tribu	tary to act	ive mine? Ye	es/ No_X/
11)	Proposed	l Well Wo	rk:	Orill & stimulate	now wall		
12)							
					ING PROGRAM		
TYPE		<u>S</u>	PECIFICAT	IONS	FOOTAGE I	NTERVALS	CEMENT
ON CONTROL OF THE CON		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ictor	11 3/4"	H-40	42#	160° 200'	186 200	Surface
Fresh	<u>Water</u>					CARROLS	3/1c
Coal	***************************************			- 1000 m - 1		Parskibl	22 mil
Inter	mediate	8 5/8"	H-40	20#/23#	2,000'	2,000'	Surface
Produ	ction	4 1/2"	J-55	10.5#	5900'	5900'	450 sks
Tubin	1 <b>g</b>	-1				39CSR1811	
Liner	:5						
PACKE	<u>ERS</u> : Kir	nd					
/,	Sizes						
Far Divison of Oil and Gas Use Only							
/120	Fee(s) paid: Well Work Permit   Reclamation Fund   WPCP						
	) Plat 🥱	<u> </u>	WW-	2B 1	Bond	inpet	Agent
. /	V		V	0	•	(Type)	· / - ·

Page	1 of		Date: Feb. 2, 1994 Operator's well number
Form	ww2-A	7	Cox Heirs #1
(10-	91)	m ( 7 Q 3)	Cox Heirs #1  API Well No: 47 - 017 - 4103  State - County - Permit
			API Well No: 4/ - 01/
		- STATE OF W	EST VIRGINIA
	DIVISI	ON OF ENVIRONMENTAL PRO	EST VIRGINIA TECTION, OFFICE OF OIL AND GAS
		NOTICE AND APPLICATION	FOR A WELL WORK PERMIT
4.3	corfore (	Owner(s) to be served:	5) (a) Coal Operator:
4)			NameAddress
	Address	Rt. I, DOX I/ID	
		Udit Den	(b) Coal Owner(s) with Declaration
	(b) Name	Craig Hinterer	The Description of the Page 11 Ces.
	Address	Rt. 1, Box 77 New Milton, WV 26411	
		New Milton, WV 2011	Pittsburgh, PA / Jal/
	(c) Name	Philip Hinterer Rt. 1, Box 70Al	Name
	Address	New Milton, WV 26411	Address
			(c) Coal Lessee with Declaration
6)	Inspecto	or Mike Underwood	Name
- *	Address	Rt. 2, Box 135 Salem, WV 26426	Address
		53 PM - WV 2010	
,	Telephor	ne (304) - 782-1043	— vomice multip.
		TO THE PERSON(S) NAME	D ABOVE TAKE NOTICE THAT:
			ather continuing contract or
	Include	d is the lease or lease	s or other continuing contract or to extract oil and gas <u>OR</u> guired by Chapter 22B, Article 1,
cor	ntracts by	which I note the ityme	guired by Chapter 22B, Article 1,
XXX			
	I certi	d copies of this notice	and application, a location plat, and ugh on the above named parties, by:
I	have serve	documents pages 1 thro	and application, a location play, by:  ough on the above named parties, by:  it attached)
ace	De COmbanià Trid	documents pages 1 through the contract of the	rit attached)
-	Ce	rtified Mail (Postmarke	ed postal receipt attached)  blication attached)
	D1.	hlication (NOLICE OF FO	Color die with the color of the
	-		apter 22B and 38 CSR 11-18, and I agree permit issued under this application.
	I have	read and understand one	permit issued under this application.  very that I have personally examined and am
to	the terms	for under penalty of law	permit issued under this application of that I have personally examined and am itted on this application form and all itted on this application form and all
c _			
I a	tachments	and that based on my	itted on this application form and the inquiry of those individuals immediately rmation, I believe that the information
-	I am a	ware that there are significant	lity of fine and imprisonment.
ir	nformation	including the possible	ator Procedy DEVELOPMENT CORPORATION
		OFFICIAL SEAL WEIT OFFI	nificant penalties for submitting the nificant penalties for submittening the nificant penalties
<b>\</b>	ST ST	ATE OF WEST VINGEN TES:	Geologist
	PETRO	, cura develor action 2 ACICILESS	P O Box 26
الم	A THE PARTY OF THE	r. Carlon nengh	Bridgepole, w.
<b>\</b>	SEMBER MAY CO	mmission expired TOLONE	
S	übscribed	and sworn before me thi	Notary Public
		A land	Notary Fublic
	in commicat	ion expires	Whiley 7, 2003
M	IA COMMITSS:	- Con AL	$\cup$ 0