Bolly D. Hagen

THIS FORM MUST BE SIGNED BY AUTHORIZED PERSON:

DM Form 7							
(To be filled in by Division of Mines)		MMONWEALTH		Division of Mines			
	DEPARTME	NT OF LABO	OR AND INDUSTRY		_		
WISE	_ DI	VISION O	F MINES	Well No.	P-93		
LIPPS	i i	BIG STONE GAP	, Virginia	Permit No	320		
District CANEY RIDGE	OIL AND GA	DEEPEN AS WELL CO: ABANDON	MPLETION REPORT	County Code	195		
Quadrangle WS-37 File	be submitted to abandonment of	(This report and a copy of electrical log, if made, must be submitted to the Division of Mines within 30 days after abandonment or completion of well, as required by Section 45-113, Code of Virginia, 1950.)					
Company Philadelphia	Oil Company		Address P. O. Box	313			
Y A 041			Nora, Virgi	lnia			
Farm J. A. Odle			Acres 740.03 District Lipps				
County Wise P-93			231301,100	2141.04	61		
Well No. (Company) P-93			Elevation (ground surf	ace)	ft.		
on location pla graphic map of a	t or map previou area.)		(2) map coordinates (the Division of Mines	or shown on o			
14,300 feet	South	of	Latitude 37° 02	2' 30"	and		
9,500 feet	Bast	of	Longitude 82°	25' 00"			
Surface of tract is owned in f	co bilitate by		Coal Company	· •, .			
Address		ante, Virgi					
Mineral rights are owned by _		ante, Virgi	Coal Company				
Address B. C. State of the control of the c		ance, virgi	ша	,			
Drilling commenced April	19, 19/9	D	rilling contractor Uni	on Drilling,	Incorporated		
Drilling completed April	29,11979	A	ddress P. O. Drawer	40, Buckhan	non, W. Va.		
Well completed as gas well on	Octob	er 1, 1979					
Well abandoned at	feet on		: Reas	son			
Well plugged on	1000 011	. 19	Affidavit filed		. 19		
Well plugged on		feet.	Steel line measurement		feet.		
Commenced producing on	not connected	to papeline	system, 19				
Oil Wall							
Oil Well Initial production,		T	Parrels per day				
Stimulation Record							
				9			
August 199							
Breakdown Pressure	*	psi; Ave	erage Injection Pressure_		psi;		
Average Injection Rate		-	_				
Min. Shut-in Pressure					25. 3 1.		
Final Production					Barrels per day.		
Gravity and grade of oil							
Oil pays at (1)			Oil shows at (1)	feet to	feet.		
	feet to		(2)	feet to	feet.		
(3)	feet to	feet.	(3)	feet to	feet.		
(4) Main production at	feet to	feet.			feet.		
production at			(0)	100000	2000.		

Gas Welf Initial open Volume Stimulation 90,0	Record The	71°80 Correction of the second state of the se	Mcf.; Rock of Acid, 1,050 lb zed with 4,000 ga	Pressure ons were tr	eated toge and 57,000	ter in rcury in lbs. ther wit	h hrs.	
wate	r. The big	Lime was actui	zed with 4,000 go	113: 01 20%				
Average Inje	ction Rate	30	psi; Average			2300 Vacuum	psi;	
Min. Shu	t-in Pressure			psi.				
Final Openf Gas pays at Main produc	(1) 5041 (2) 4384 (3) 5796 (4) 5041	reet to	feet.	(2) _	5714 4314 4391		5722 feet. 4366 feet. 4393 feet. feet.	
Fresh water Salt water at Coal: from	at (1) 25 (1) See logeet	feet, 1/2" str feet; (2) inches to	reamGPM; (2) 70feet; (3) eetinches	feet,1/8" fee inches; from	GPM; (3)_20 et; (4)feet	7 feet, 1 s	tream GPM.	
		SING AND TUBING			PACKERS OR I		GS	
Size	USED IN DRILLING	LEFT IN WELL	Perforated	KIND	Size	4 24	SET AT	
(inch) 16" 11"	(feet) 35 57	(feet) 35 57	(feet) to (feet)	Frac-Over	4 1/2"	4	986'	
8 5/8" 4 1/2"	2223	2223 6030	56885834 50115062					
2 3/8"		4986	4314-4394		Lin	ERS		
	/		p.	Size	USED IN DRILLING	LEFT IN WELL	PERFORATED	
				(inch)	(ft.)	(ft.)	(ft. to ft.)	
Casing	Cemented:	3 5/8 inch. from inch. from inch. from	2223 feet to 6030 feet to 2 feet to 1	095' Da	te April	23, 1979 30, 1979	9	
Remarks: (S	hut down, dept	hs, dates; fishing j	obs, depths, dates; ca	ving; other no	tes)			
Will be furni	shed the Virgin	ia Geological Surve	(Yes)	(Yes)			(Yes) (Ne) nished by the	
Copy furnish Depths Gan	g made or ned herewith ma-Ray nsity nperature	not made(cl or will l surface 2223 - 2223 -	to T.D.	y previousl	y submitte	d	,19	
To operator	requests that i		herein and log or log		fidential for			

LOG

Furnished by B. D. Hager Date 11-20-79 Compiled by Michael Wallen Date 11-20-79

Soil Sand & Shale 76 Coal 145 Sand & Shale 147 Coal 552 Sand & Shale 557 Shale 558 Shale 557 Shale 558 Shale 644 Coal 667 Sand & Shale 668 Shale	(feet)	THICKNESS (feet)	OIL, GAS WATER DEPTHS SHUT DOWN FISHING, ETC.
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Coal Shale Shale Shale Shale Shale Shale Shale Gof G	552	405	Water @ 207'
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Sand & Shale 1316 1360 1360 1360 1360 1405 1697 1701 1697 1701 1736 1736 1736 1742 1736 1742 1736 1742 1736 1742 1736 1744 1736 1736 1736 1736 1736 1736 1736 1736 1736 1737 1738	1316	4	
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Sand & Shale 1405 1697 Sand & Shale 1701 1736 1736 1742 Sand & Shale 1768 1784 Sand & Shale 1788 1788 Shale 1788 1789 17	1405	45	
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Little Lime Shale & Sand 3967 Big Lime Keener Wext Coffee Shale Berea Shale White Slate 3946 3967 4025 4410 4686 4930 5012 5100 5860	3946	56	No Show
Shale & Sand Big Lime Keener Wext Coffee Shale Berea Shale White Slate 3967 4025 4410 4686 4410 4686 4930 5012 5100 5860	3967	21	Gas Ck. @ 3942
Big Lime 4025 Keener 4410 4686 Coffee Shale 5012 Shale White Slate 5860	4025	58	
Keener 4410 4686 4930 5012 5100 5860 5860		385	No Show Gas Ck. @ 4313
Weith Coffee Shale Berea Shale White Slate 5100	4686	276	2 MCF
Coffee Shale Berea Shale White Slate Coffee Shale 4930 5012 5100 5860	4930	244	Gas Ck. @ 4541
Berea 5012 5100	5012	82	71 MCF
Shale 5100 5860	5100	88	Gas Ck. @ 4904
White Slate 5860		760	26 MCF
	6088	228	Gas Ck. @ T.D.
0000	0000	220	26 MCF
		- 2 4 4 4 4	AU MUF
		. 3.3.2	157,63
NOTE: DRILLERS LOG ADJUSTED TO ELECTRI	TOCE		1.54
MOTE. DETECTED TO ADJUSTED TO ELECTRI	LOGS		

CF-8-1

OIL AND GAS WELL SUMMARY REPORT

	/DMR Well
API No. 45-195-20320-00-03	
Operator PHILADELPHIA OIL COMPANY	File No. WS-37
Co. Well No. P-93	
County WISE Quadrang	
Location (UTM) N 4,095,850; E 371,100	
(Lat. and Long.)	
Field Pr	rovince APPALACHIAN PLATEAUS
Elev. (specify) 2141.04' GR. TD 6088' Fo	orm. at TD <u>CORNIFERQUS</u>
INITIAL FLOW - 71,000 CU. FT.	Age <u>DEVONIAN</u>
Date compl. or abandoned OCTOBER 1, 1979	
Result GAS WELL	
Gas Shows 5688' to 5696'; 5714' to 5722'; 4314'	to 4316'; 4391' to 4393'
Gas Pays 5041' to 5062'; 4344' to 4357'; 4375'	to 4378'; 5796' to 5834'
Main Production 5041' to 5062' Prod. F	orm. BIG LIME, BEREA; DEVONIAN
	Age MISSISSIPPIAN; DEVONIAN
Treatment: THE BROWN SHALE AND BEREA FORMATIONS	WERE TREATED TOGETHER WITH 90,000
POUNDS OF SAND, 1,000 GALLONS OF ACID, 1050	POUNDS OF GEL, AND 57,000 GALLONS
OF WATER. THE BIG LIME WAS ACIDIZED WITH 4,0	OO GALLONS OF 28% HYDROCHLORIC ACI
WELL PERFORATED FROM 5688' to 5834'; 5011' t	o 5062'; AND 4314' to 4394'.
FINAL FLOW - 1,205,000 CU. FT.	
Oil shows	
Water FW X at 25' at 70'	at 207'
SW at at	
Coal 145' to 147'; 552' to 557'; 667' to 671';	
1312' to 1316'; 1697! to 1701'; 1736' to 1 Plat Plotted Completion Rep	742'; 1784' to 1787'; 1825' to 182
Plat Plotted Completion Rep	port
Drillers Log X Geologic Log	
Samples Interval Sheet	
Sample Interval	
Remarks	
Geophysical Logs S.P Res Gamma	
Density X Sonic Other CALIP	ER: TEMPERATURE

T		100 00	Datum	180	
Form	nation	Top	(Subsea)	Thickness	
	(0.00	Los esta (ma)	-		
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A CONTRACTOR				-	
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eleased to (pen File:	Completion	DECEMBER	30, 1979	1312 80
	-	Samples	NONE		

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(Note: UTM measurements in meters, all others in feet)

