OIL AND GAS WELL SUMMARY REPORT

API No.	45-051-20394-00-03	VDMR Rep.	Well No.	W-6640
				DI-181
Operator	PHILADELPHIA OIL COMPANY			
Co. Well	No. P-125			
County _	DICKENSON Quadrar	gle _	CANE	Y RIDGE-7½'
Location	(UTM) N4,096,710; E376,510		UTM	Zone 17
(Lat. and	(UTM) N4,096,710; E376,510			
Elev. (sp	pecify) 2715.33' GR. TD 6073'	Form.	at TD	DEVONIAN
INITIAL E				
Date comp	ol. or abandoned FEBRUARY 23, 1982			
Result _	GAS WELL			
Gas Shows				
Gas Pays	5857' TO 5961'; 5225' TO 5241'			
Main Prod	uctionProd.	Form	· BEREZ	A AND GREENBRIER
		Ag	e MISS	ISSIPPIAN
Treatment	: THE BEREA FORMATION WAS FRACTURE	D WIT	H 75,00	00 POUNDS OF SAND
AND 8	86 BARRELS OF WATER. THE GREENBRIER	WAS I	WATER I	FRACED WITH 30,000
POUND	S OF SAND AND 505 BARRELS OF WATER.			
Initial F	roduction			
	L FLOW - 203,000 CU. FT.			
	FW X at 30' at			
	SW X at 2755' at			
Coal 110	' TO 112'; 154' TO 159'; 195' TO 198 1294'; 1551' TO 1555'; 1931' TO 1935 Plotted x Completion R	'; 48: '; 249	3' TO 4	186'; 673' TO 677'; 2494'; 2644' TO 2648';
	Log X Geologic Log			
	X Interval Sheet X			
		5970	1	
	lemarks .			
	al Logs S.P. Res Gam	ıma z	x N	eutron
	ity X Sonic 0ther TE			

	Formation	Тор	Datum (Subsea)	Thickness	
-	FORMACION:	TOP	(Subsea)	IIIICKIIESB	
_	(300-N 69	usk.			
-	141-041, on 3	M k wells			
			and the second	williams inc.	
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Remarks		Man Tay			
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_	4.00				
Referen	ces	9/3			
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	4	2/4/96			ar des
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Release	d to Open File:	Completion	MAY 24, 198	12	
		The state of the s			

TO: Division of Mines and Quarries

COMMONWEALTH OF VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY DIVISION OF MINES AND QUARRIES BIG STONE GAP, VIRGINIA 24219

NCTICE OF INTENTION TO (DRILL) (REDRILL) (DEEPEN) OIL OR GAS WELL

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45.1-114, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement, must be submitted to the Division of Mines and Quarries, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

Box 431

TO: Division of Mines and Quarries	Prestonsburg,		
Drawer V	N/1 2	Place	2007
Big Stone Gap, Virginia 24219	March 3		,1981
		Date	
Gentlemen:			
The undersigned proposes to begin as soon as a	permit therefor is obtain	ed from the Divisio	on of Mines
and Quarries, to drill, redrill-or-deepen (strike			
Deel Farm, comprising 87.50	acres, in the Kenady		District of
Dickenson County, Virginia, he	aving the fee title there	to, or as the case	may be, under
grant or lease dated Jan. 26, 1976	, made by D. Arvi	1 Deel and Rel	pecca T. Dee
to Philadelphia Oil Co. and record		lay of March	,19 76
in the office of the County Clerk for said Count	y in Book 176	Page 49	
The proposed location of the well, as shown on	the attached plat or ma	o, is about 6650	· · · · · · · · · · · · · · · · · · ·
(feet/miles) southeast of Maple	e Grove Church		and
about 9500 (feet/mile		Rose Cemetary	
11400 ft. south of 37002'30"		of 82022'30"	
It is proposed to drill this well to a depth of abo			
or will not be available for examination by a m		Virginia Geologia	cal Survey.
Cuttings will or will not be furnished the Survey	y •		
cation of the well and other information, required and the 1966 Cumulative Supplement is attached drill, redrill or deepen the aforementioned well Section 45.1-114, above cited, as follows (list	d hereto. Copies of the I have been sent to all i	plat and notice of interested persons a	f intention to s required by
additional space is required):			
Virginia Iron Coal and Coke Comp	any, Coeburn, Va.	24230 (Coal d	owner)
2. Betty "B" Coal Company, Box 340, 3.	Clintwood, Va.	24228 (Coal le	essee)
4.			
5.			
6.			
	V	ery truly yours,	
Signature of officer or certifying party:			
M/ Harry	Philadelphia (Company or C per	ator
Name	Box 431		
B. D. Hager Opperating Manag	м	Street Address	
-Title-	Prestonsburg,	KY 41653	
		or Town and Stat	e
	11		
File D1-18/ Date Received	Mpuch 12 1981	Well No.P-125	
	. '		

COM NWEALTH OF VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY DIVISION OF MINES AND QUARRIES BIG TONE GAP, VIRGINIA 24219 PHONE 703-523-0335

APPLICATION FOR PERMIT TO (DRILL) (REDRILL) (DEEPEN) OIL OR GAS WELL

**	of Virginia, 1950, 1954 and the 1966 Cumulative nit fee of one hundred dollars and bond and surety to be submitted in triplicate, one copy to be re-
	on or writes and quarries.
TO: Division of Mines and Quarries	P. Hon
219 Wood Avenue	Box 431
Big Stone Gap, Virginia 24219	Prestonsburg, KY 41653
	Place
	March 3, 1981
	Date
Gentlemen:	그리다 그 이번 보는데 그는 일본 속으로 하고 만드셨다는 그렇게 다
	on for a Permit to drill, redrill, or deepen (strike
out two) a well for oil or gas on the Arvi	
	County, Virginia, having the fee title there-
•	lease dated Jan. 26 ,1976 made by D.
Arvil Deel and Rebecca T. Deel	
and recorded on the 22 day of Marc	h ,1976 in the office of the County Clerk
for the said County in Book 176 page	49
	vn on a location plat or map submitted to the
	indersigned, together with Notice of Intention to
Drill, Redrill or Deepen a Well for Oil of	
The proposed well will be known as well	No. P-125 of Philadelphia Oil Company
(company, etc.) It is proposed to drill the	
	feet distant from the nearest property or lease
line; about 4900 feet distant from t	he nearest mining opening, or quarry(strike out
words not applicable) and/or about 2700	feet distant from the nearest drilling, abandon=
-ed, producing, or-applied-for-(strike out	words not applicable) oil or gas (strike out words
not applicable) well.	
• •	heck or U. S. Postal Money Order, in the amount
	the Treasurer of Virginia, covering fee for a
Donmit to Drill a Wall for Oil or Cac a	
	s required by Section 45.1-115.1, Code of Virginia,
1950, 1954 and the 1966 Cumulative Supp	s required by Section 45.1-115.1, Code of Virginia, plement. Bond and Surety therefor to insure com-
1950, 1954 and the 1966 Cumulative Suppliance with the provisions of Chapter 8,	s required by Section 45.1-115.1, Code of Virginia, plement. Bond and Surety therefor to insure com- Title 45, Code of Virginia, 1950 and the 1966
1950, 1954 and the 1966 Cumulative Suppliance with the provisions of Chapter 8, Supplement, for this well, in the amount	s required by Section 45.1-115.1, Code of Virginia, plement. Bond and Surety therefor to insure compile 45, Code of Virginia, 1950 and the 1966 of \$ 25,000.00 is submitted herewith of (give
1950, 1954 and the 1966 Cumulative Suppliance with the provisions of Chapter 8, Supplement, for this well, in the amount	s required by Section 45.1-115.1, Code of Virginia, plement. Bond and Surety therefor to insure compile 45, Code of Virginia, 1950 and the 1966 of \$ 25,000.00 is submitted herewith of (give
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DM Form 7 COMMONWEALTH OF VIRGINIA (To be filled in by Division of Mines) (To be filled in by Division of Mines) DEPARTMENT OF LABOR AND INDUSTRY Well No. DIVISION OF MINES County BIG STONE GAP, VIRGINIA Permit No. _ District DEEPENED County Code _____ OIL AND GAS WELL COMPLETION REPORT ABANDONMENT Quadrangle Classification (This report and a copy of electrical log, if made, must be submitted to the Division of Mines within 30 days after File abandonment or completion of well, as required by Section 45-113, Code of Virginia, 1950.) Philadelphia Oil Company P. O. Box 431 Company _ Address Prestonsburg, Kentucky Arvil Deel, Et Ux. 87.5 Farm _ Acres County_Dickenson Kennady District_ 2,715.33 P-125 Well No. (Company). Elevation (ground surface)_ (Give direction and distance in feet from two (2) map coordinates (Latitude and Longitude) shown on location plat or map previously filed with the Division of Mines or shown on quadrangle topographic map of area.) 3800 82° 22' 30" West of ____ feet 37° 02' 30'' 14,125 feet South of Arvil Deel Surface of tract is owned in fee simple by _ Address ___ Rt. 4, Box 214, Coeburn, Virginia 24230 Mineral rights are owned by Virginia Iron, Coal & Coke Company Coeburn, Virginia 24230 Address _ B. C. Spradlin Location made by _ 6-9-81 Drilling contractor Union Drilling Company Drilling commenced_ 6-21-81 Address P. O. Drawer 40, Buckhannon, WVA Drilling completed ___ Well completed as gas well on 2-23-82 Well abandoned at _ feet on _: Reason _ __, 19____ Affidavit filed __ Well plugged on __ _____, 19___ 6,0731 _ feet. Steel line measurement Total depth _ Commenced producing on ____ not connected to pipeline system 19 Oil Well Barrels per day. Initial production, __ Stimulation Record _

_____psi; Average Injection Pressure____

feet.

feet.

feet.

feet.

BPM; Instant Shut-in Pressure

 $(2)_{-}$

 $(3)_{-}$

 $(5)_{-}$

(4)

feet. Oil shows at (1) _

Breakdown Pressure

Final Production _

Oil pays at (1)

Main production at

Average Injection Rate __

Gravity and grade of oil ___

 $(2)_{-}$

(3)

(4)

Min. Shut-in Pressure

feet to .

feet to

feet to

feet to

feet to

ft

psi;

psi:

feet.

_feet.

_ feet.

feet.

Barrels per day.

_ feet to _

feet to

feet to

feet to

____ feet to _

O Mcf.; Rock Pressur lbs. hr. ation Record The Berea Formation was fractured with 75,000 Lbs. of sand and 886 Bbls. water. The Big Lime was waterfraced with 30,000 Lbs. of Sand and 505 Bbls. of water. Breakdown Pressure Ber. 1200 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi Average Injection Rate Ber. 30 B.L. 12 BPM; Instant Shut-in Pressure Ber Vacuum B.L. Vacuum Min. Shut-in Pressure psi. Final Openflow Ber. 119, B.L. 84 Mcf.; Rock Pressure Ber. 500, B.L. 850 lbs. 48 hr.		, gas:		Caged		/10ths. M		inch.
Breakdown Pressure Ber. 1200 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 800				0 Mcf.; Rock P				
Streakdown Pressure Ber. 1200 B.L. 1100 psi; Average Injection Pressure Ber. 800 B.L. 1100 psi; Average Injection Rate Ber. 300 B.L. 120 BPM; Instant Shut-in Pressure psi.								
Norrage Injection Rate Ber. 30 B.L. 12 BPM; Instant Shut-in Pressure Ber. Vacuum Path Pressure Path Pressure Path Path Pressure Path	water.	The Big Lime	was waterfrace	ed with 30,000 Lbs	. of San	d and 505 B	bls. of w	ater.
Neverage Injection Rate Ber. 30 B.L. 12 BPM; Instant Shut-in Pressure Ber. Vacuum psi. Min. Shut-in Pressure Br. Vacuum psi. Min. Shut-in Pressure Br. Vacuum psi. Min.								
Neverage Injection Rate Ber. 30 B.L. 12 BPM; Instant Shut-in Pressure Ber. Vacuum psi. Min. Shut-in Pressure Br. Vacuum psi. Min. Shut-in Pressure Br. Vacuum psi. Min.								
Norrage Injection Rate Ber. 30 B.L. 12 BPM; Instant Shut-in Pressure Ber. Vacuum Path Pressure Path Pressure Path Path Pressure Path								
Min. Shut-in Pressure				1 - ,				
Min. Shut-in Pressure	Average Inje	ection Rate_Ber	. 30 B.L. 12	BPM	; Instant S	hut-in Pressur	e Ber- Vac	uum psi
State Section Sectio	_ Min. Shu	t-in Pressure			psi.		B.L. Vac	uum
	inal Openf	low_Ber. 119,	B.L. 84	Mcf.; Rock Pressure	Ber. 500	0, B.L. 850	lbs.	48 hrs
(3)	as pays at	$(1) _{5857}$	feet to59	feet. Gas sho	ows at (1)		feet to	feet
(4)								
See								
Pesh water at (1) 30 feet, 1" stream GPM; (2) feet, GPM; (3) feet, GPM; (4) feet feet inches to Geet inches; from feet	Main produc							
alt water at (1)	iam produc	CHOIL	reet to	ieet.	(5)		feet to	feet
A		-1 (1)		CD14 (0)				
Casing Cemented: 11-3/4 inch. from Seze S	resn water	at (1) 30	feet, <u>l''stre</u>	am GPM; (2)	feet,	_GPM; (3)	feet,	GPM.
Casing Cemented: 11-3/4 inch. from 5.820.1 Size Siz	nal water at	Soo Log feet	inches to	ieet; (3)	in ab age fue	eet; (4)	fee	t.
SIZE USED IN LEFT IN PERFORATED KIND SIZE SET AT	feet.	inches	from fe	oot inches t	inches; irc	foot	inches	icnes to
StzE	1000 _	meries,	11011116	menes, t	T		menes.	
DRILLING WELL (feet) to (f		CAS	ING AND TUBING			PACKERS OR	BRIDGE PLUG	GS
DRILLING Well (feet) (feet) to (feet) to (feet) FracRet 4-1/2 5820	Size	USED IN	LEFT IN	PERFORATED				0-
16 inch 58 58 78 11-3/4 714 714					KIND	SIZE		SET AT
16 inch 58! 58! 79! 714' 714' 714' 8-5/8 3,014' 3,014' 8-5/8 5857-66 5867-79 5922-34 5949-61 5925-5241 Size UseD in Well and the Virginia Geological Survey upon request for trools 9-18-81 to 12-28-81 Size Used Survey upon request for the Wirginia Geological Survey upon request for the which of the which opp furnished herewith for more surface on the Virginia Geological Survey (Yes) (No) lectrical log made X or not made (check which.) opp furnished herewith for more surface on the virginia Geological Survey opp furnished herewith for more surface on the virginia Geological Survey (Yes) (No) lectrical log made X or not made (check which.) opp furnished herewith for more surface on the virginia Geological Survey opp furnished herewith for more surface on the virginia Geological Survey (Yes) (No) lectrical log made X or not made (check which.) opp furnished herewith for more surface of the well severed by this report. (Yes) (Yes) (Yes) oppeator requests that information given herein and log or logs be kept confidential for a period of ninety day the removal time of the well severed by this report.	(inch)	(feet)	(feet)	(feet) to (feet)	FracR	et. 4-1/2	58	20'
8-5/8 3,014' 3,014' 5849-45 5857-66 5867-79 5922-34 5949-61 LINERS 2* 5,820' 5,820' Size Usen in Drilling User in Cinch) (ft.) (ft.	16 inch	58'	58'		Trac. K	7 1/2		
Casing Cemented: 11-3/4 inch. from 214 feet to surface Date 6-12-81 (inch) (ft.)		714'	714'					
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-12-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Prish for tools 9-18-81 to 12-28-81 IMPRILLING WELL (inch) (ft.)								
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-12-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 mples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (Yes) (No) ectrical log made X or not made (check which.) or will be submitted on or by furnished herewith Gamma-Density surface-6025 Temperature 3014-6025 Temperature of the well covered by this report. (Yes)	4-1/2	6,025'	6,025'					
Sy22-34 Sy49-61 LINERS Sy49-61 Sy25-5241 Sy25 Sy49-61 Sy25-5241 Sy25 Sy25 Sy25-5241 Sy25 Sy								
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-17-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 INNERS Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-17-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 INNERS (Inch.) (ft.) (
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-17-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 amples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No) lectrical log made X or not made (check which.) opy furnished herewith or will be submitted on or by gents (Gamma-Density surface-6025) Temperature 3014-6025 Temperature 3014-6025 Temperature of the well covered by this report (Yes)								
Casing Cemented: \[\frac{11-3/4}{8-5/8} \] inch. from \[\frac{714'}{3014'} \] feet to \[\frac{\surface}{\surface} \] Date \[\frac{6-12-81}{6-22-81} \] emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools \(9-18-81 \) to \(12-28-81 \) emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools \(9-18-81 \) to \(12-28-81 \) emarks: (Yes) \((No) \) electrical log made \(\frac{					i	LIN	ERS	
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-17-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 comples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (No) lectrical log made X or not made (check which.) opy furnished herewith opy furnished herewith Gamma-Density surface-6025 Temperature 3014-6025 Temperature 3014-6025 Temperature 3014-6025 Temperature of the well covered by this report (Yes)	2 M	5.820'	5.820.'		Size	Hern IN	LEETIN	PERFORATER
Casing Cemented: 11-3/4 inch. from 714' feet to surface Date 6-12-81 8-5/8 inch. from 3014' feet to surface Date 6-17-81 4-1/2 inch. from 6025' feet to 4720' Date 6-22-81 emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 Imples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) ill be furnished the Virginia Geological Survey upon request (Yes) (Yes) (No) lectrical log made X or not made (check which.) opy furnished herewith or will be submitted on or by epths Gamma-Density surface-6025 Temperature 3014-6025 Temperature 3014-6025 Temperature fith a well covered by this report (Yes)			•		J. Size	DRILLING	WELL	TERFORATED
### 1978 ### 1979 #### 1979 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ##### 1979 ##### 1979 ##### 1979 ###### 1979 ##########					(inch)	(ft.)	(ft.)	(ft. to ft.)
### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ##### 1979 ##### 1979 ##### 1979 ##### 1979 ###### 1979 ##########					-			-
### 1978 ### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ###### 1979 ##### 1979 ##### 1979 ##########	-						 	+
### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ##### 1979 ##### 1979 ##### 1979 ##### 1979 ###### 1979 ##########								1
### 1978 ### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ###### 1979 ##### 1979 ##### 1979 ##########								
### 1978 ### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ##### 1979 ###### 1979 ##### 1979 ##########								
### 1978 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 #### 1979 ##### 1979 ##### 1979 ##### 1979 ##### 1979 ###### 1979 ##########	o :	a 11-	3/4	714' s sur	face p	6-12-	81	
emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 Imples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (Ill be furnished the Virginia Geological Survey upon request (Yes) (No) (No) (Indextrical log made X or not made (check which.) (Indextrical log ma	Casing	Cemented:	inch. from	301/4! feet to sur		ate		
emarks: (Shut down, depths, dates; fishing jobs, depths, dates; caving; other notes) Fish for tools 9-18-81 to 12-28-81 Imples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (In the furnished the Virginia Geological Survey upon request (Yes) (Yes) (Yes) (Yes) (No) Rectrical log made X or not made (check which.) Opp furnished herewith or will be submitted on or by Previously submitted (Yes) (Previously submitted on or by Previously submitted or a period of ninety day the completion of the well covered by this report.							The second secon	
with for tools 9-18-81 to 12-28-81 Imples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (Yes) (Yes) (Yes) (Yes) (Yes) (No) Rectrical log made X or not made (check which.) opy furnished herewith or will be submitted on or by Gamma-Density surface-6025 Temperature 3014-6025 Temperature 3014-6025 Temperature given herein and log or logs be kept confidential for a period of ninety day the completion of the well covered by this report.							01	
amples or cuttings will be available for examination by a member of the Virginia Geological Survey (Yes) (IVES) (-	_			
ill be furnished the Virginia Geological Survey upon request	Fish for	tools 9-18-8	1 to 12-28-81					
ill be furnished the Virginia Geological Survey upon request								
ill be furnished the Virginia Geological Survey upon request								
ill be furnished the Virginia Geological Survey upon request								
ill be furnished the Virginia Geological Survey upon request	mples or c	uttings will be as	ailable for examin	nation by a member of	the Virgin	ia Geological	Survey	(Yes
lectrical log made X or not made (check which.) lectrical log made (check which.) lectri								(No)
lectrical log made X or not made (check which.) opy furnished herewith or will be submitted on or by Previously submitted 19 epths Gamma-Density surface-6025 Temperature 3014-6025 operator requests that information given herein and log or logs be kept confidential for a period of ninety day (Yes)	ill be furni	shed the Virginia	Geological Surve		KN WX	, if sacks for sa	ame are fur	nished by the
dectrical log madeX or not made(check which.) Depty furnished herewith or will be submitted on or byPreviously submitted, 19 Depths Gamma-Density surface-6025 Temperature 3014-6025 Depths operator requests that information given herein and log or logs be kept confidential for a period of ninety day are completion of the well covered by this report (Yes)	rvev			,	4224			
ppy furnished herewith or will be submitted on or by Previously submitted, 19	J			(No)				
opy furnished herewithor will be submitted on or byPreviously submitted, 19	lectrical lo	g made X or i	not made(ch	eck which.)				
Temperature 3014-6025 o operator requests that information given herein and log or logs be kept confidential for a period of ninety day ter completion of the well covered by this report (Yes)	opy furnish	ned herewith	or will b	e submitted on or by_	Previo	ously submi	tted	, 19
o operator requests that information given herein and log or logs be kept confidential for a period of ninety day	epthsG	amma-Density	surface-6025				1	
tor completion of the well covered by this report	T	emperature	3014-6025	<u> </u>				
tor completion of the well covered by this report								
	-		_	- 1	pe kept co	nfidential for	a period o	i ninety days
	ter comple	tion of the well	covered by this re				i i	

Permit No. _

LOG

Furnished by E.R. Minns Date 4-13-82

Compiled by J.R. McCleese Date 4-12-82

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	Color	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS WATER DEPT SHUT DOW FISHING, E
-		1					
				1 1			
		,					Ì
× .	Fill	. 1		0	5	5	
	Shale	* .		5	28	23	
	Sand			28	110	.82	Water 30'
	Coal			110	112	2	-
	Sand Sand & Shal			112	120	8	
*	Coal			120 154	154 159	34 5	
	Sand & Shal			159	195	36	
	Coal Coal			195	198	3	1
	Sand & Shal	e		198	483	285	
*	Coal			483	486	3	
	Sand & Shal	2		486	673	187	
	Coal			673	677	4	-
. "	Sand & Shal	2		677	1290	613	
	Coal	}		1290	1294	4	
-	Sand & Shal	2		1294	1350	56	-
	Shale	1		1350	1450	100	
-	Sand & Shale			1450	1551	101	
	Coal			1551	1555	4	
	Sand & Shale Coal			1555	1931	376 4	
	Sand & Shale			1931 1935	1935 2260	325	
	Sand & Share			2260	2375	115	
	Sand & Shale			2375	2490	115	
	Coa1			2490	2494	2	
	Sand & Shale			2494	2644	150	
	Coal			2644	2648	4	
	Sand & Shale			2648	2789	141	Water 2755
	Coal			2789	2793	4	
	Sand & Shale			2793	2992	199	
	Red Rock			2992	2997	5	
	Red Rock & S	hale		2997	3172	175	-
	Ravencliff			3172	3255	83	1
	Shale			3255	3528	273	
	Maxon Sand & Shale	-		3528 4385	4385 4588	857 203	
	Little Lime			4588	4750	162	1
	Sand & Shale			4750	4804	54	
	Big Lime			4804	5295	491	
	Keener			5295	5578	283	
	Weir			5578	5810	233	. x
	Coffee Shale			5810	5846	36	
	Berea			5846	5922	76	0.00
	Brown Shalb			5922	6073	151	
	Total Depth			6073			

. 10					
DM Form 7 (To be filled in by	Commonwealt	H OF VIRGINIA		(To be f	illed in by
Division of Mines)	DEPARTMENT OF LA		DUSTRY	D: :::	of Mines)
			001111		
County	DIVISION (Well No.	
	BIG STONE GA	AP, VIRGINIA		Permit No	
District	DEEPI	ENED			
CAne Rde	OIL AND GAS WELL C ABANDO		REPORT	County Code	
Quadrangle	ABANDO	MMENI		Well	
DZ 181	(This report and a copy of	f electrical log, if n	nade, must	Classification	
File	be submitted to the Division of abandonment or completion of 45-113, Code of Virginia, 195	f well, as required			
Company Philadelphia	Oil Company	Address	P. O.	Box 431	
		Pre	stonsbu	rg, Kentucky	41653
Farm Arvil Deel, Et U	х.	Acres	87.5	1	
County Dickenson Well No. (Company) P-125		District	Kennad	face)2,71	5 33
on location plat graphic map of ar	,	th the Division	of Mine	s or shown on q	-
feet	West of	82	° 22'	30"	and
	South of	37	° 02'	30"	
Stimulation Record	Virginia Iron, Coal & urn, Virginia 24230 . Spradlin 81	Drilling contra Address P. 0 Affidavit filed Steel line mea ine system 19	ctor <u>Unic</u> . Drawer : Read assurement	on Drilling Con r 40, Buckhanno	mpany on, WVA , 19feet
Average Injection Rate	psi; A	BPM; Insta	ant Shut-in si;	n Pressure	psi
Final Production Gravity and grade of oil					
Final Production Gravity and grade of oil Oil pays at (1)	feet to feet.	. Oil shows at	(1)	feet to _	feet
Final Production Gravity and grade of oil Oil pays at (1) (2)	feet to feet. feet to feet.	. Oil shows at	(1) (2)	feet to	feet
Final Production Gravity and grade of oil Oil pays at (1) (2) (3)	feet to feet.	. Oil shows at	(1) (2) (3)	feet to _	feetfeetfeetfeet

Gas Well Initial open			_		/10ths. N	fercury in _	inch.
Volume		P. P. I	0 Mcf.; Rock P	ress _		lbs	hrs.
water.	The Big Lime	was waterfrace	on was fractured wed with 30,000 Lbs	of Sar	000 Lbs. of and 505 I	sand and Bbls. of w	886 Bbls. o
Breakdown	Pressure Ber.	1200 B.L. 110	psi; Average I				
Average Inje	ection Rate_Ber	. 30 B.L. 12	BPM	I; Instant S	Shut-in Pressur	re Ber- Vac	cuum psi;
Min. Shu	it-in Pressure			psi.		B.L. Vac	cuum
Final Openf	low_Ber. 119,	B.L. 84	Mcf.; Rock Pressure	Ber. 50	0, B.L. 850) lbe	48 hrs.
Gas pays at	$(1) _5857$	feet to59	feet. Gas she	ows at (1)		feet to	feet.
	(2) = 3225	feet to52	feet.	(2)		feet to	feet.
		feet to					feet.
lain nua de		feet to		, ,			feet.
main produc	ction	feet to	feet.	(5)		feet to	feet.
resh water	at (1)30_	feet, <u>1" stre</u>	am GPM; (2)	feet,	GPM; (3)	feet,	GPM.
Salt water at	t (1)27	55 feet; (2)	feet; (3)		feet; (4)	fee	et.
coal: from _	See_Log feet	inches to	feet	inches; fr	omfee	et in	nches to
feet _	inches;	from fe	eet inches, t	0	feet	inches.	
	CAS	ING AND TUBING			PACKERS OR	BRIDGE PLU	GS
SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED	KIND	Size		SET AT
(inch)	(feet)	(feet)	(feet) to (feet)	FracI	Ret. 4-1/2	58	20'
16 inch	58'	58'					
11-3/4	714'	714'		-			
8-5/8	3,014'	3,014'	50/0 /5				
4-1/2	6,025'	6,025'	5849-45	-			
			5857-66 5867-79				
	5 7 Lu 10 10 10 10		5922-34				
			5949-61				
			5225-5241		Lin	NERS	
2 M	5,820'	5,820.		SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED
				(inch)	(ft.)	(ft.)	(ft. to ft.)
						-	+
						-	
Casing	Cemented: 11-	3/4 inch. from _	714' feet to sur	face I	Date6-12-	81	
Cubing	8-5	/8 inch. from	3014' feet to sur	face I	Date 6-17-	81	
			6025' feet to <u>47</u>		Date6-22-	81	
emarks: (S	hut down, depth	s. dates: fishing io	bs, depths, dates; cavi	ng: other n	notes)		
amples or c	uttings will be av	ailable for examin	nation by a member of	the Virgin	nia Geological	Survey	(Yes)
							(No) x
		Geological Surve	(Voc)	KMKX	, if sacks for s	ame are fur	mished by the
urvey			(No)				
		ot made(ch		D '		44.3	
Copy furnish	ned herewith	or will b	e submitted on or by_	Previ	ously submi	rted	, 19
	amma-Density emperature	3014-6025					
	emperature	3014 0023					
o operator	requests that in	formation given h	erein and log or logs	be kept co	onfidential for	a period o	of ninety days
ter comple	tion of the well	covered by this rep	erein and log or logs Oort				
P-0		J 201	XXX	XQ)			

Well No._

LOG

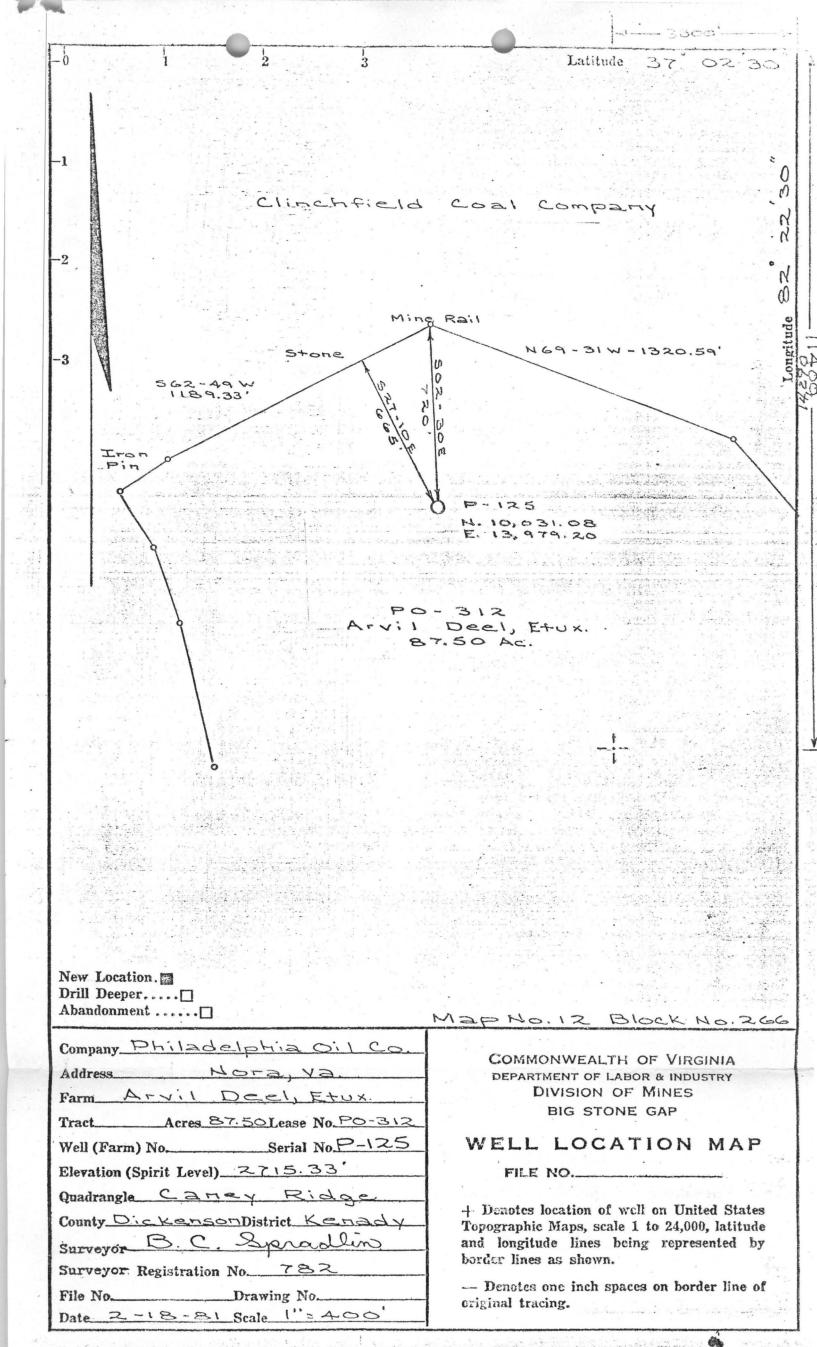
Furnished by E.R. Minns Date 4-13-82

Compiled by J.R. McCleese Date 4-12-82

GEOLOGIC AGE	FORMATION	GENERAL LITHOLOGY	Color	TOP (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS WATER DEPTI SHUT DOWN FISHING, ET
						100	
	Fill	7 - 4		0	_	_	
	Shale			0	5	5	
	Sand	×***		5 28	28 110	23 ·82	17-4 201
	Coal			110	112	2	Water 30'
-	Sand			112	120	8	
	Sand & Shale		1 2	120	154	34	
	Coal			154	159	5	
	Sand & Shale	1	10	159	195	36	
	Coal '			195	198	3	
	Sand & Shale	1		198	483	285	
F 1 - 1x - x	Coal			483	486	3	
	Sand & Shale			486	673	187	
- Jan 2 - 1-10 -	Coal			673	677	4	
	Sand & Shale			677	1290	613	
	Coal		n,	1290	1294	4	
	Sand & Shale			1294	1350	56	
	Shale			1350	1450	100	
	Sand & Shale			1450	1551	101	
1 27	Coal			1551	1555	4	
	Sand & Shale			1555	1931	376	
44	Coal Sand & Shale			1931	1935	4	
	Sand & Share			1935 2260	2260 2375	325 115	
	Sand & Shale			2375	2490	115	
	Coal			2490	2494	2	
	Sand & Shale			2494	2644	150	
	Coa1			2644	2648	4	
	Sand & Shale			2648	2789	141	Water 2755'
2 200	Coal			2789	2793	4	
	Sand & Shale			2793	2992	199	
	Red Rock			2992	2997	5	
	Red Rock & SI	hale		2997	3172	175	
	Ravencliff		-457	3172	3255	83	
4	Shale			3255	3528	273	
	Maxon			3528	4385	857	
	Sand & Shale			4385	4588	203	
	Little Lime			4588	4750	162	
	Sand & Shale			4750	4804	54	
5 - W P	Big Lime Keener			4804	5295	491 283	
	Weir			5295 5578	5578 5810	233	
	Coffee Shale			5810	5846	36	-2171
300	Berea			5846	5922	76	-3131
	Brown Shalb		10.00	5922	6073	151	
	Total Depth		and the second	6073			

THIS FORM MUST BE SIGNED BY AUTHORIZED PERSON:

E. R. Minne



VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 2	Well Repository No.: W-6640
Date rec'd: Date Processed: 6/3/83	Sample Interval: from 0 to:5970
PROPERTY: Arvil Decl, et. ux., #P-125	Number of samples: 138
COMPANY: Philadelphia Oil Company	Total Depth: 6073'
COUNTY: Dickenson	Oil or Gas: X Water: Exploratory:
From-To From-To	From-To From-To
0 - 30	2690 - 2720
22 22 22	2000 2120

From-To	From-To	F FOM-TO	FIOM-10	11011110
0 20			2600 - 2720	
0 - 30	930 - 960		2690 - 2720	1
30 - 60		-		V
	960 - 990	1890 - 1910		
	1020 1050			
	-	1910 - 1940		3710 - 3740
	1050 - 1080	-	2840 - 2870	3740 - 3770
	1050 - 1000	1970 - 2000		
210 - 240	1110 - 1140	2000 - 2030		
210 - 240	1140 - 1170	2030 - 2060		
	1170 - 1200	2060 - 2090		
	1170 1200 .	2000 2000	** ** **	
<u> </u>	1200 - 1230	2090 2120		
330 - 360		2120 - 2150		
		2150 - 2180		_
	1290 - 1320	2180 - 2210	-	3980 - 4010
	1320 - 1350	2210 - 2240	-	
	1250 - 1200	2240 - 2270	3130 - 3160	4040 - 4070
400 500	1350 - 1380 1380 - 1410	2270 - 2300	3160 - 3190	4070 - 4100
490 - 520	1380 - 1410	2300 - 2330	3190 - 3220	4100 - 4130
		2330 - 2360	3220 - 3250	4130 - 4160
570 - 600	1470 - 1500	2360 - 2390	3250 - 3280	
570 - 600	1470 - 1500	2500 2550	3230 3200	
		2390 - 2420	3280 - 3320	4190 - 4220
		2420 - 2450	3320 - 3350	4220 - 4250
			3350 - 3380	4250 - 4280
	1590 - 1620	2480 - 2510	3380 - 3410	4280 - 4310
	1370 = 1020	2510 - 2540	3410 - 3440	4310 _ 4340
	· ·			
750 - 780	1	2540 _ 2570		
750 = 760	1680 - 1710	2570 _ 2600	3470 - 3500	4370 - 4400
810 840	1710 - 1740	2600 _ 2630	3500 - 3530	4400 - 4430
010 040	WA .	2630 _ 2660	3530 - 3560	4430 - 4460
870 - 900	1770 - 1800	2660 _ 2690	3560 - 3590	4460 - 4490
070 - 300				

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET Continued

Page 2 of	2	Well	Repository No.:	W- 6640
From-To	From-To	From-To	From-To	From-To
4490 - 4520 4520 - 4550 4550 - 4580	5030 - 5040 5040 - 5050 5050 - 5060 5060 - 5070	5960 - 5970 -		
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