

API WELL NO. 45 - 051 - 20837

State County Permit

Date: April 1, 1986

Operator's Well

Name Interstate Coal & Iron P-205

OS-249



PHILADELPHIA OIL COMPANY
INTERSTATE COAL AND IRON CO.
P-205
EL-1885.66
NORA-7 1/2

VIRGINIA OIL AND GAS INSPECTOR
205 W. MAIN STREET
ABINGDON, VA 24210
703-628-8115

REPORT OF COMPLETION OF WELL WORK

Pursuant to Regulation 4.06 of the Regulations under the Virginia Oil and Gas Act, the undersigned well operator reports completion of the type(s) of well work specified below on the referenced well in Ervington District, Dickenson County, Virginia on 26 day, 3 month, 19 86.

WELL TYPE: Oil ___/ Gas X/ Enhanced recovery ___/ Waste Disposal ___/ If "Gas", Production X/ Underground Storage ___/

Exempt by Code Section 45.1-300.B.1. from general oil and gas conservation law: yes ___/ no ___/

WELL WORK: Drill X/ Deepen ___/ Redrill ___/ Stimulate ___/ Plug off old formation ___/ Perforate new formation ___/ Plug ___/ Replug ___/ Other physical change in well (specify) _____

The well work was done as shown in the Appendix(es) applicable to the type(s) of well work involved.

CONFIDENTIALITY STATUS UNDER CODE OF VIRGINIA SECTION 45.1-332.

X Ninety days from the filing of this report
OR
Two years from _____, 19____, the date on which the referenced well was COMPLETED, the well being an exploratory well as defined in Code of Virginia Section 45.1-288.21.

APPLICANT: Philadelphia Oil Company
BY Brint Camp
ITS District Geologist
ADDRESS 1101 N. Eastman Road, Kingsport, TN 37664
TELEPHONE 615-246-4332

Form 16
Appendix A, Sheet 1 (Reverse)
Continued from Obverse side

OTHER GENERAL INFORMATION

An electric log survey was ___/ was not ___/ conducted pursuant to Code of Virginia Section 45.1-333.B.2, at the coal owner's or operator's request.

An electric log survey was X/ was not ___/ run for other purposes. This survey did ___/ did not X/ disclose the vertical location of a coal seam.

Note: If a coal seam was located, the part of the survey from the surface through the coal is attached in accordance with Code of Virginia Section 45.1-333.B.3.

Deviation surveys were X/ were not ___/ required under Code of Virginia Section 45.1-333.C "to the bottom of the lowest published coal seam depth."

Note: If deviation surveys were required, the survey results are attached.

A continuous survey was ___/ was not X/ required under Code of Virginia Section 45.1-333.C.

Note: If a continuous directional survey was required, the survey results are attached.

CHANGES IN THE PERMITTED WELL WORK

The well operator did ___/ did not X/ make any change(s) in the permitted well work, verbally approved by the Inspector or Assistant Inspector under Regulation 4.03 of the Regulations under the Virginia Oil and Gas Act, for the purpose of insuring successful completion of the well work.

Note: The nature and purpose of each such change, if any, is set out below or on additional sheets if such are required.

CASING AND TUBING PROGRAM

PRELIMINARY INFORMATION

Is the subject well underlaid by the red shales? Yes X / No /
If Yes, was a coal protection string set to the red shales? Yes X / No /

	SIZE	TOP	BOTTOM	LENGTH	PERFORATIONS	
					FROM	TO
<u>CONDUCTOR:</u>	16" 11 3/4"	0 0	16' 214'	16' 214'		
<u>CASING CIRCULATED AND CEMENTED IN TO SURFACE:</u>	8 5/8"	0	2218'	2218'		
<u>COAL PROTECTION CASING SET UNDER SPECIAL RULE OF CODE OF VIRGINIA 45.1-334.B:</u>						
<u>OTHER CASING AND TUBING LEFT IN WELL;</u>	4 1/2" 2 3/8"	0 0	6095' 5940'	6095' 5940'	5020-5086 5854-6035	

LINERS LEFT IN WELL UNDER CODE OF VIRGINIA SECTION 45.1-336 OR OTHERWISE:

<u>PACKERS OR BRIDGE PLUGS:</u>	<u>KIND</u>	<u>SIZE</u>	<u>SET AT</u>
		2 3/8 X 4 1/2"	5480

REMARKS: SHUT DOWN DEPTHS, DATES; FISHING JOB DEPTHS, DATES; CAVING; ETC.)

SAMPLES AND CUTTINGS

WILL X WILL NOT BE AVAILABLE FOR EXAMINATION BY A MEMBER OF THE VIRGINIA DIVISION OF MINERAL RESOURCES
WILL X WILL NOT BE FURNISHED THE VIRGINIA DIVISION OF MINERAL RESOURCES UPON REQUEST
WILL WILL NOT X REQUIRE SACKS TO BE FURNISHED BY THE VIRGINIA DIVISION OF MINERAL RESOURCES.

FORM 16
APPENDIX A,
SHEET 1, (OBVERSE)

API WELL NO. 45 - 051 - 20837
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REPORT OF COMPLETION OF WELL WORK
IF DRILLING, REDRILLING, OR DEEPENING IS INVOLVED

DRILLING CONTRACTOR Union Drilling, Inc.
ADDRESS P. O. Drawer 40, Buchannon, WV 26201
TELEPHONE 304-472-4610

GEOLOGICAL TARGET FORMATION Brown Shale
DEPTH OF COMPLETED WELL 6153 FEET
DATE DRILLING COMMENCED 11/7/85
DATE DRILLING COMPLETED 11/21/85
DRILLING RIG: ROTARY X / CABLE TOOL /

GEOLOGICAL DATA Depth Thickness
 Top Bottom

Fresh Water 49'
 1038'

Salt water

	Name	MINING IN AREA		
		Yes No	MINED NO	
Coal Seams	289-294	657-660	788-790	1160-1162
	442-445	661-665	1086-1088	1490-1495
	535-542	680-683	1121-1123	1545-1550
Oil	Formation			1615-1620

Gas Formation

The data on depth of strata is based on the source(s) checked below:

- X Applicant's own drilling experience in the area
 Information supplied by the coal operator in the area
 Information already in possession of the Inspector
 Other (as follows) _____

DRILLER'S LOG

Compiled by Brint Camp

Geolo- gical Age	Formation	General Lithology	Color	Depth (feet)		Thickness	Remarks
				Top	Bottom		
Pennsylvanian	Sand & Shale			0	2670	2670	
Mississippian	Ravencliff			2670	2792	122	
"	Little Stone			2792	2856	64	
"	Shale			2856	2929	73	
"	Maxon Sands			2929	3410	481	
"	Shale			3410	3712	302	
"	Little Lime			3712	3785	73	
"	Lime & Shale			3785	3914	129	
"	Big Lime			3914	4378	464	
"	Keener			4378	4404	26	
"	Weir			4404	4948	544	
"	Coffee Shale			4948	5016	68	
"	Berea			5016	5102	86	
"	Brown Shale			5102	6036	934	
"	White Slate			6036	6153	117	
	Logger's Total Depth			6153			

Complete on supplemental sheet as necessary

DIRECTIONAL SURVEY

P-205

<u>DEPTH</u>	<u>DEGREES</u>
233	3/4
452	3/4
668	1/2
887	1/2
1106	1
1322	1/2
1540	1/2
1759	3/4
1946	1/2
2382	0

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2382	0

(FOR OFFICE USE ONLY: API Well No. 45 - -
State County Permit

Date: September 5, 1985

Operator's Well No. P-205

VIRGINIA OIL AND GAS INSPECTOR
DEPARTMENT OF LABOR AND INDUSTRY
DIVISION OF MINES

OIL AND GAS SECTION
205 W. MAIN STREET
ABINGDON, VIRGINIA 24210
PHONE 703 628-8115

WELL PLAT

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000. Latitude and longitude lines are represented by border lines as shown.

This plat is new X / updated /

This plat is X / is not / based on a mine coordinate system established for the areas of the well location.

Well operator Philadelphia Oil Company
1101 N. Eastman Road
Address Kingsport, TN. 37664
Farm Interstate Coal & Iron Co.
Tract T-266 Acres 674.29 Lease No. PO-148
Elevation 1885.66'
Quadrangle Nora, VA.
County Dickenson District Ervington
Registered Engineer Registration No.
Certified Land Surveyor Cert. No.
File No. Drawing No.
Date 9-5-1985 Scale 1"=400'

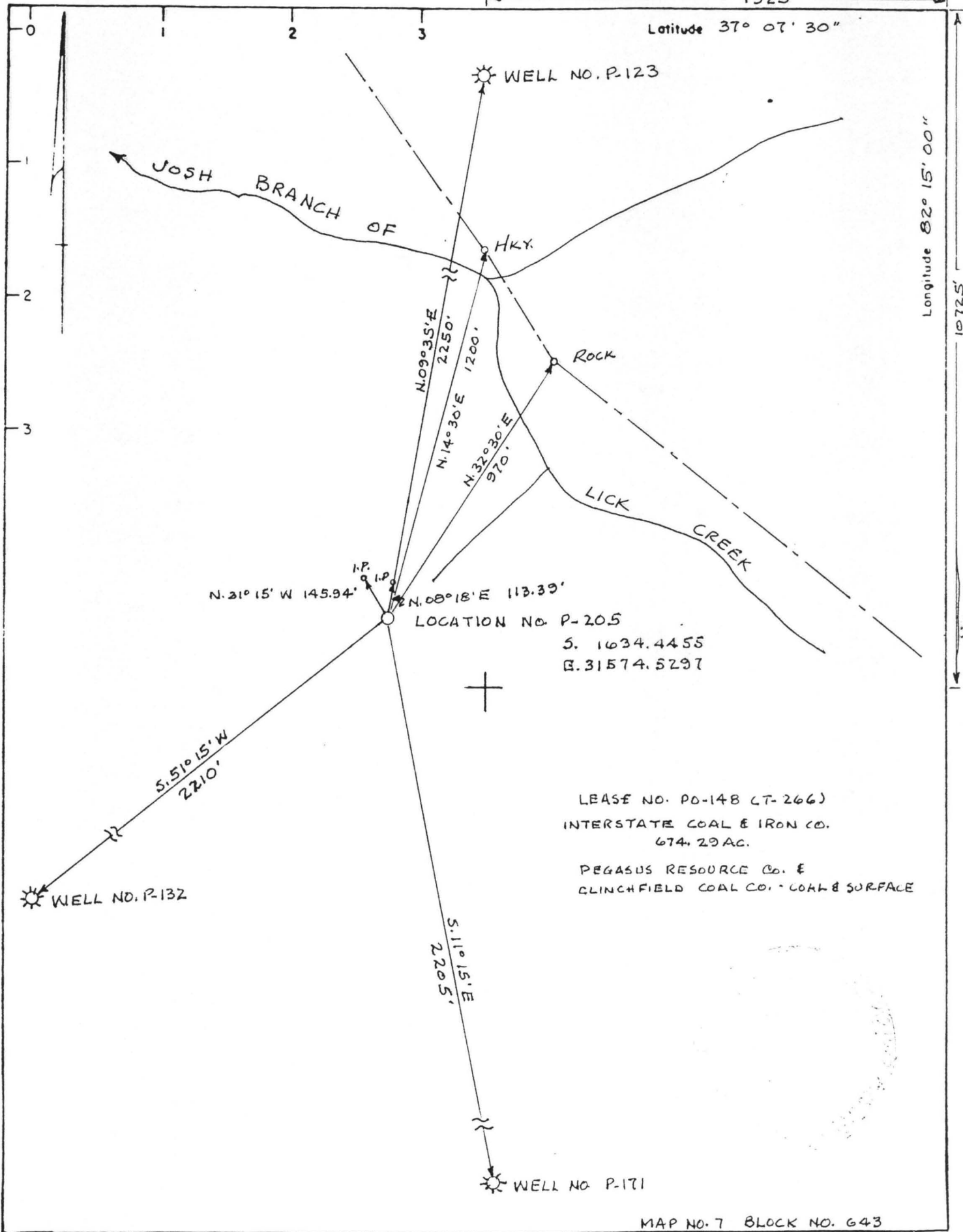
Certification of Well Plat

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief, and shows all the information required by law and the regulations of the Virginia Well Review Board.

F. L. Adams, Jr. Va. # 871
~~Registered Engineer or Certified Land Surveyor~~
in Charge

Latitude 37° 07' 30"

Longitude 82° 15' 00"



LEASE NO. PD-148 (T-266)
 INTERSTATE COAL & IRON CO.
 674.29 AC.
 PEGASUS RESOURCE Co. &
 CLINCHFIELD COAL Co. - COAL & SURFACE