

API NO. 45 - 051 - 21337
WELL NAME: H. G. Wampler, PC-121
DATE July 25, 1990

DI 470

Virginia Oil and Gas Inspector
P. O. Box 1416
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 10 day, May month, 19 90.

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 x/ no
WELL WORK: Drill x/ Deepen / Redrill / Stimulate x/ Plug Off Old Formation / Perforate New Formation x/ 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 , 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 Equitable Resources Exploration
BY J. Matthew Conrad
ITS Geologist
ADDRESS 1989 East Stone Drive, Kingsport, TN
TELEPHONE 615-378-5101



COMPLETION REPORT

WELL TYPE: Oil () Gas Production (x) Gas-Underground Storage ()
 Enhanced Recovery () Waste Disposal ()

LOCATION

COUNTY Dickenson DISTRICT Ervinton

SURFACE ELEVATION 2701.38' QUADRANGLE Duty

LATITUDE 9,480'S 37° 05' 00" LONGITUDE 9,610'W 82° 12' 30"

DRILLING DATA

DATE DRILLING COMMENCED 1/15/90 DRILLING CONTRACTOR Union Drilling
 DATE DRILLING COMPLETED 1/21/90 ADDRESS Drawer 40, Buckhannon, WV 26201
 DATE WELL COMPLETED 5/10/90 TELEPHONE NUMBER 304-472-4610
 TOTAL DEPTH OF COMPLETED WELL 2929 RIG TYPE x ROTARY CABLE TOOL

GEOLOGICAL DATA

FRESH WATER AT (1) 70 FEET 1/4" GPM: (2) FEET GPM
 SALT WATER AT (1) 1490 FEET 1/4" GPM: (2) 1660 FEET 1/4" GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA			
				YES	NO	MINED OUT	
L. Seaboard	1773	1774	1	L. Horsepen	2178	2179	1
C-Seam	2038	2039	1	X-Seam	2258	2259	1
Warcreek	2077	2078	1	Poco #6	2552	2555	3
Beckley	2136	2139	3				

OIL AND GAS SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF(MCFD/BOPD)	PRESSURE	HOURS TESTED
None Recorded						

STIMULATION RECORD Poco 6, X-Seam, L. Horsepen, Beckley, Warcreek,
 ZONE (1) C-Seam, L. Seaboard FORMATION STIMULATED WITH 750 Foam Frac
 using 686 bbls fluid, 1,190,000 ScfN2 & 16,000# 12/20 sand.
 PERFORATED 1773 TO 2555 NO. OF PERFORATIONS 16 PERFORATION SIZE .36
 FORMATION BROKE DOWN AT 2160 PSIG AVERAGE INJECTED RATE 15.5 BPM
 INITIAL SHUT IN PRESSURE 1800 PSIG 5 MINUTE SHUT IN PRESSURE 1380 PSIG

STIMULATION RECORD

ZONE (2) FORMATION STIMULATED WITH
 PERFORATED TO NO. OF PERFORATIONS, PERFORATION SIZE
 FORMATION BROKE DOWN AT PSIG AVERAGE INJECTED RATE BPM
 INITIAL SHUT IN PRESSURE PSIG MINUTE SHUT IN PRESSURE PSIG
 FINAL PRODUCTION: () NATURAL (x) AFTER STIMULATION
 BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

ZONE (1)
 ZONE (2)
 FINAL PRODUCTION IF GAS ZONES ARE COMINGLED *65 MCFD HOURS TESTED
 PSIG HOURS TESTED

* - This is not an absolute open flow.

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>PACKERS OR PERFORATIONS FEET TO FEET</u>	<u>BRIDGE PLUGS KIND SIZE SET AT</u>
CONDUCTOR	11 3/4"		19'			

CASING
Circulated
and Cemented
to Surface

WATER PROTECTION

(Casing Set
According to
Section
45.1-334) 8 5/8" 303'

COAL PROTECTION

(Casing Set
According to
Section
45.1-334)

OTHER CASING &

Tubing Left 4 1/2" 2745'
In Well 2 3/8" 2679'

LINERS

Remaining
In Well

OTHER used and not
left

Is the well underlain by Red Shale Yes ___ No, If Yes, was coal
protection string set to Red Shales? Yes ___ No

REMARKS: Shut down, fishing jobs, depths and dates, caving, etc.

Samples and Cuttings

Will Will not be available for examination by a member of the Virginia Division of Mineral Resources

Will Will not be furnished to the Virginia Division of Mineral Resources upon request

Will Will not require sacks to be furnished by the Virginia Division of Mineral Resources

Electric Logs and Surveys:

Type of Electric Log(s) Ran: LDT-TEMP

Did log disclose vertical location of a coal seam? Yes No

Was log made at request of a coal owner according to Section 45.1-333.B.1 of the Virginia Code? Yes No

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

Deviation Surveys

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

Note: If a deviation survey(s) was/were required, the survey results are as follows:

<u>Depth of Survey</u>	<u>Feet/Degree Deviated From True Vertical</u>	<u>Depth of Survey</u>	<u>Feet/Degree Deviated From True Vertical</u>
	<u>See Attachment</u>		

A continuous survey was was not required, under Section 45.1-333.C of the Virginia Code.

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

Changes in the Permitted Well Work:

The well operator did did not 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.

Confidentiality Status:

Confidentiality status under Section 45.1-332, of the Virginia Code:

The operator requests that information herein and log(s) be kept confidential (after COMPLETION DATE of the well) for a period of

Ninety (90) days
 two (2) years, if the well is exploratory

DRILLER'S LOG

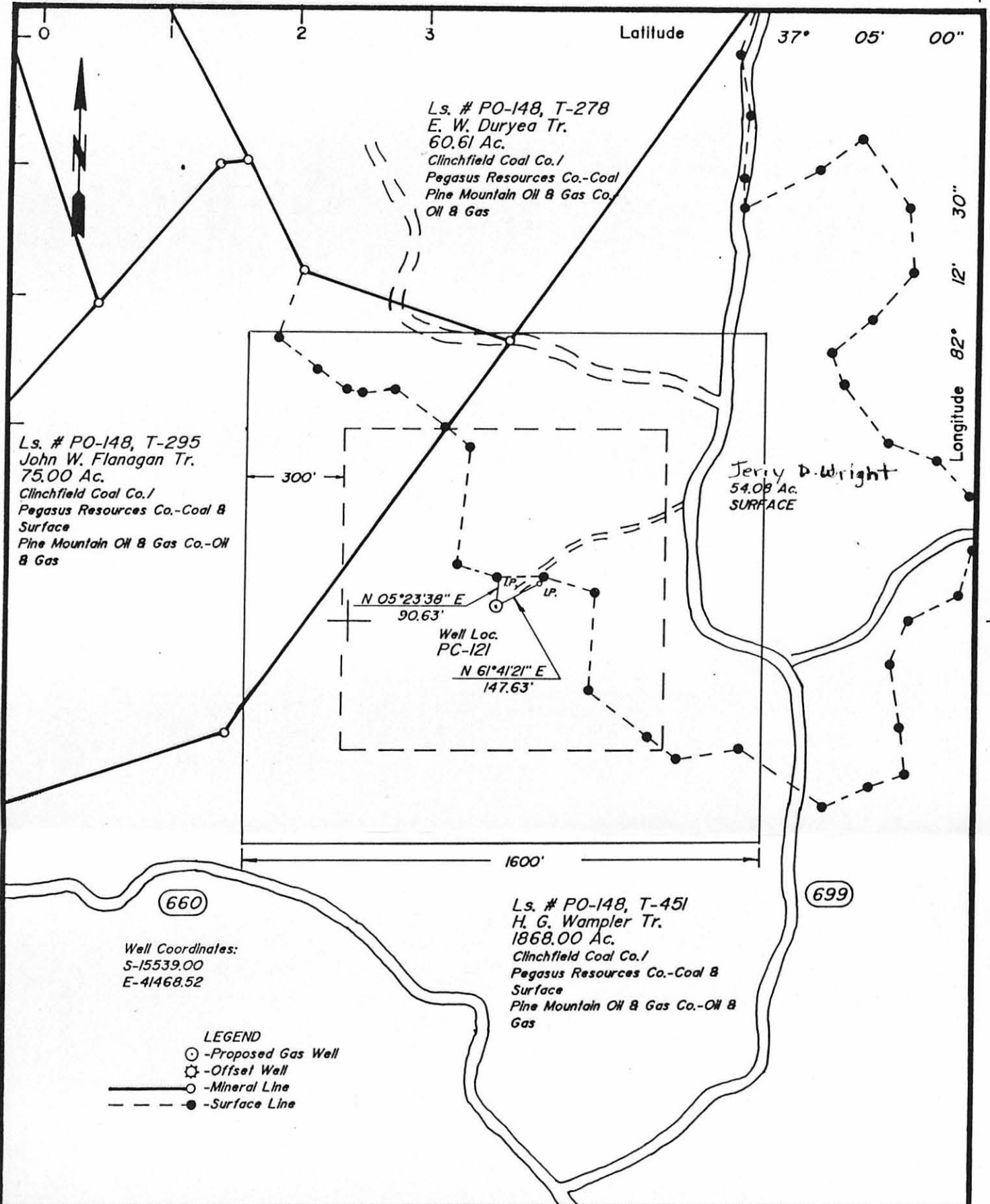
Compiled by J. Matthew Conrad

Geological Age	Formation	General Lithology	Color	Depth		Thickness	Remarks	
				Top	Bottom			
Pennsylvanian	Lee	Sand/Shale/Thin Coal		0	1258	1258		
		Jawbone Coal		1258	1262	4		
		Sand/Shale/Thin Coal		1262	2135	873		
		Beckley Coal		2135	2140	5		
		Sand/Shale/Thin Coal		2140	2336	196		
		Pocahontas	Sand/Shale		2336	2550	214	
			Poco #6 Coal		2550	2554	4	
Mississippian	Bluestone	Sand/Shale/Thin Coal		2554	2924	370		
		Red Shale		2924	2929	5		

DIRECTIONAL SURVEY
PC-121

DEPTH	DEGREES
203	0°
416	0°
635	0°
822	0°
1071	0°
1293	0°
1479	0°
1662	0°
2070	0°
2475	1°
2694	1°
2879	1°
T.D.	1°

9610'



COMPANY Equitable Resources Exploration

ADDRESS 1989 E. Stone Dr., Kingsport, TN 37660

WELL NAME PC-121

FARM H. G. Wampler TRACT 451

LEASE NO. PO-148 ELEVATION 2701.38

ACRES 1868.00 QUADRANGLE Duty

COUNTY Dickenson DISTRICT Ervinton

REG. ENGINEER X REG. NO. 6992

CERT. LAND SURVEYOR _____ CERT. NO. _____

FILE NO. _____ DRAWING NO. 1947

DATE 10-18-89 SCALE 1" = 400'

This plat is X new _____ updated

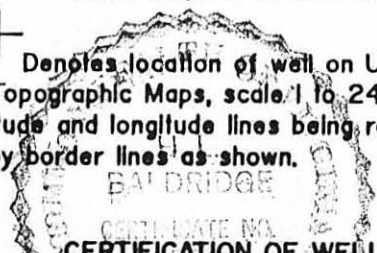
This plat X is _____ is not based on a mine coordinate system established for the areas of the well location.

FORM 5

WELL LOCATION MAP

WELL NO. PC-121 DI-470

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



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 Va. Well Review Board.

A.L. Baldndel
Registered Engineer or Certified Land Surveyor in Charge