

API NO. 45 - 051 - 21349
WELL NAME: Jessee Wampler, PC-123
DATE July 25, 1990

DI 473

DI-473

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 Ervinton District Dickenson County, Virginia on 24 day, April month, 1990.

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 E. Stone Dr., Kingsport, TN 37660

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 2305.03' QUADRANGLE Nora

LATITUDE 10,700 'S 37° 05 ' 00 " LONGITUDE 8,650 'W 82° 15 ' 00 "

DRILLING DATA

DATE DRILLING COMMENCED 3/20/90 DRILLING CONTRACTOR Union Drilling
DATE DRILLING COMPLETED 3/25/90 ADDRESS Drawer 40, Buckhannon, WV 26201
DATE WELL COMPLETED 4/24/90 TELEPHONE NUMBER 304-472-4610
TOTAL DEPTH OF COMPLETED WELL 2622' RIG TYPE x ROTARY CABLE TOOL

GEOLOGICAL DATA

FRESH WATER AT (1) _____ FEET _____ GPM: (2) _____ FEET _____ GPM
SALT WATER AT (1) 1845 FEET 1/2" str GPM: (2) 2630 FEET 1/2" str GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	YES	MINING IN AREA		
					NO	XXXXXX	XXXXXX
L. Seaboard	1512	1513	1	Unnamed C	1845	1846	1
U. Horsepen	1647	1648	1	Beckley	1878	1880	2
M. Horsepen	1685	1686	1	L. Horsepen	1938	1940	2
Warcreek	1813	1814	1	Poco #6	2229	2231	2
				Poco #2	2450	2451	1

OIL AND GAS SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF(MCFD/BOPD)	PRESSURE	HOURS TESTED
			<u>2622'</u>	<u>25 MCF</u>		

STIMULATION RECORD Poco #2, Poco #6, L. Horsepen, Beckley, Unnamed C, Warcreek, M. Horsepen
ZONE (1) U. Horsepen, L. Seaboard FORMATION STIMULATED WITH 75Q Limited Entry
Foam Frac using 610 bbls fluid, 1,253,000 ScfN2 & 16,000# 12/20 sand.

PERFORATED 1512 TO 2451 NO. OF PERFORATIONS 16 PERFORATION SIZE .36
FORMATION BROKE DOWN AT 2930 PSIG AVERAGE INJECTED RATE 14.0 BPM
INITIAL SHUT IN PRESSURE 2030 PSIG 5 MINUTE SHUT IN PRESSURE 1790 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 * 110 MCFD _____ HOURS TESTED
* - This is not an absolute open flow. _____ PSIG _____ HOURS TESTED

FORM 10, Appendix A, Sheet 1
WELL NAME: _____

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>PERFORATIONS</u> <u>FEET TO FEET</u>	<u>PACKERS OR</u> <u>BRIDGE PLUGS</u> <u>KIND SIZE SET AT</u>
CONDUCTOR	9 5/8"		28'			

CASING
Circulated
and Cemented
to Surface

WATER PROTECTION
(Casing Set
According to
Section
45.1-334)

7"	347'
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COAL PROTECTION
(Casing Set
According to
Section
45.1-334)

OTHER CASING &
Tubing Left 4 1/2" 2573'
In Well 2 3/8" 2547'

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: CDL/TEMP/GR

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 lowers 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>
	See Attachment		

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		Depth		Thickness	Remarks
		Lithology	Color	Top	Bottom		
Pennsylvanian	Lee	Sand/Shale/Thin Coal		0	1878	1878	
		Beckley Coal		1878	1880	2	
		Sand/Shale/Thin Coal		1880	1937	57	
		L. Horsepen Coal		1937	1939	2	
		Sand/Shale/Thin Coal		1939	2036	97	
	Pocahontas	Sandstone		2036	2229	193	
		Poco #6 Coal		2229	2231	2	
Mississippian	Bluestone	Sand/Shale/Thin Coal		2231	2619	388	
		Red Shale		2619	2622	3	

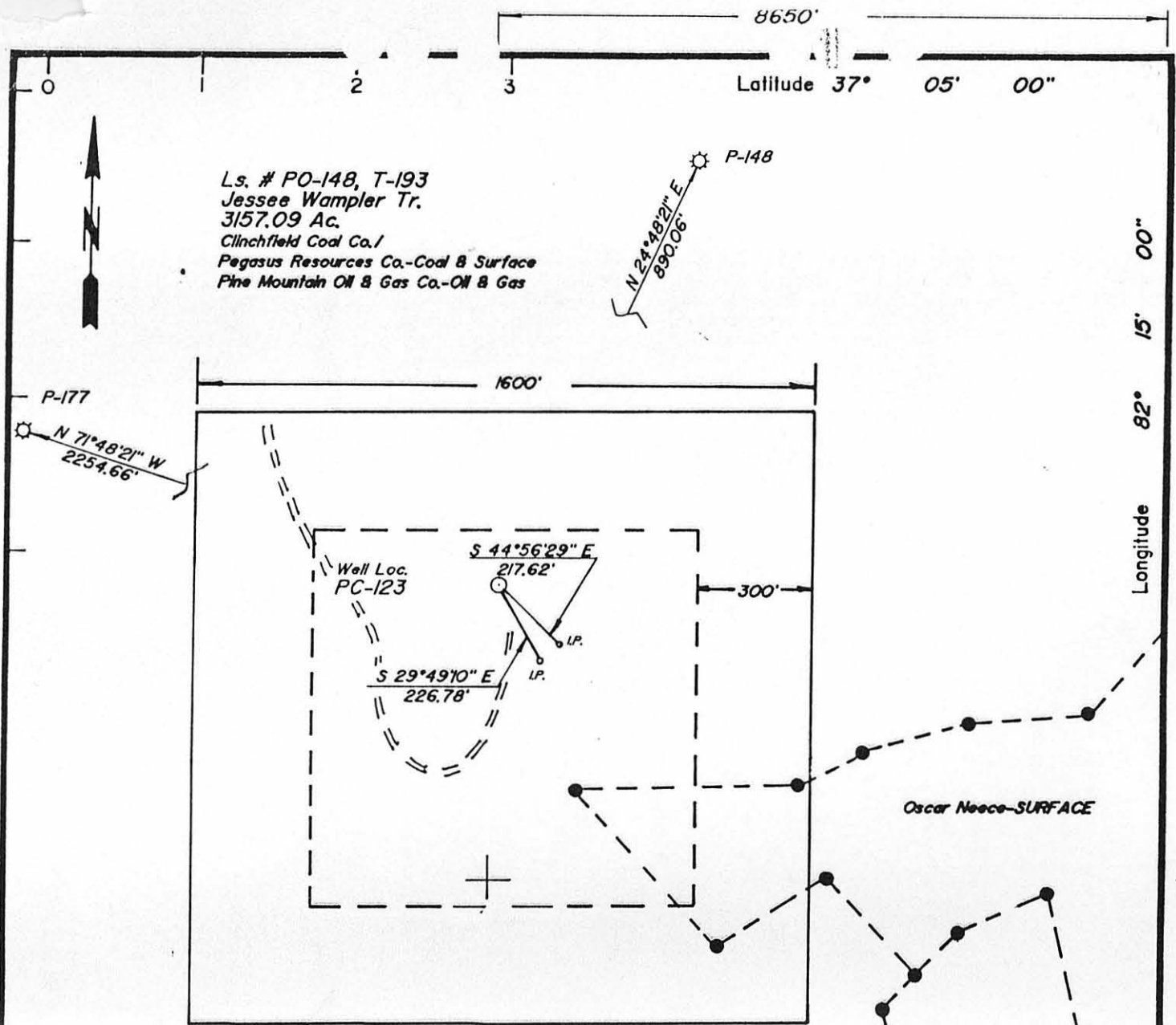
DIRECTIONAL SURVEY
PC-123

DEPTH

DEGREES

198'
379'
583'
800'
1014'
1200'
1416'
1633'
1848'
2030'
2246'
2370'
2432'

1 °
1 3/4 °
1 1/2 °
1 1/2 °
3/4 °
1 °
1 °
1 °
1/2 °
1 °
3/4 °
1 °



Well Coordinates:
 S-16734.08
 E-30286.05



- LEGEND**
- ⊙ - Proposed Gas Well
 - ⊛ - Offset Well
 - - Surface Line

COMPANY Equitable Resources Exploration

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

WELL NAME PC-123

FARM Jessee Wampler TRACT 193

LEASE NO. PO-148 ELEVATION 2305.03

ACRES 3157.09 QUADRANGLE Nora

COUNTY Dickenson DISTRICT Ervinon

REG. ENGINEER X REG. NO. 6992

CERT. LAND SURVEYOR _____ CERT. NO. _____

FILE NO. _____ DRAWING NO. 1944

DATE 1-19-90 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.

WELL LOCATION MAP
 WELL NO. PC-123

⊕ 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.

H. L. Baldridge
 Registered Engineer or Certified Land Surveyor In Charge