

API NO. 45 - 051 - 21478
WELL NAME: JESSEE WAMPLER, PC-149
DATE FEBRUARY 25, 1991

DI-513

(May 26, 1991)

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 16th day, OCTOBER 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 ___/ 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



~~-REVISED-~~
COMPLETION REPORT

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

LOCATION

COUNTY DICKENSON DISTRICT ERVINTON

SURFACE ELEVATION 2322.89' QUADRANGLE NORA

LATITUDE 11,480'S 37° 05' 00" LONGITUDE 11,600'W 82° 15' 00"

DRILLING DATA

DATE DRILLING COMMENCED 09-28-90 DRILLING CONTRACTOR UNION DRILLING
DATE DRILLING COMPLETED 10-04-90 ADDRESS P. O. DRAWER 40, BUCKHANNON, WV 26201
DATE WELL COMPLETED 10-16-90 TELEPHONE NUMBER 304-472-4610
TOTAL DEPTH OF COMPLETED WELL 2680' RIG TYPE X ROTARY CABLE TOOL

GEOLOGICAL DATA

FRESH WATER AT (1) 130 FEET 1/2" STR GPM: (2) FEET GPM
SALT WATER AT (1) 1093 FEET 1" STR GPM: (2) FEET GPM

COAL SEAMS:

NAME	TOP	BOTTOM	THICKNESS	MINING IN AREA	
				YES	NO
C-SEAM	1800	1803	3		<u>NO</u>
BECKLEY	1895	1897	2		
"	1899	1900	1		
L. HORSEPEN	1953	1955	2		

OIL AND GAS SHOWS:

FORMATION	TOP	BOTTOM	THICKNESS	IPF (MCFD/BOPD)	PRESSURE	HOURS TESTED
		2056'		267 MCF		
		2242'		280 MCF		
		2580'		286 MCF		

STIMULATION RECORD POCO 2, L. HORSEPEN, BECKLEY, WARCREEK, C-SEAM

ZONE (1) M. HORSEPEN, U. HORSEPEN FORMATION STIMULATED WITH 70Q FOAM FRAC
USING 876 BBLs FLUID, 859, 900 SCF N2 & 20,000 # 12/20 SAND.

PERFORATED 1674 TO 2476 NO. OF PERFORATIONS 16 PERFORATION SIZE .34
FORMATION BROKE DOWN AT 1080 PSIG AVERAGE INJECTED RATE 15.74 BPM
INITIAL SHUT IN PRESSURE 1700 PSIG 5 MINUTE SHUT IN PRESSURE 1460 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) 244 6 368 48

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

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	11 3/4"		15			

CASING

Circulated
and Cemented
to Surface

WATER PROTECTION

(Casing Set
According to
Section
45.1-334)

8 5/8" 354'

COAL PROTECTION

(Casing Set
According to
Section
45.1-334)

OTHER CASING &

Tubing Left
In Well

4 1/2" 2591'

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-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:

Depth of Survey	Feet/Degree Deviated From True Vertical	Depth of Survey	Feet/Degree Deviated From True Vertical
	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

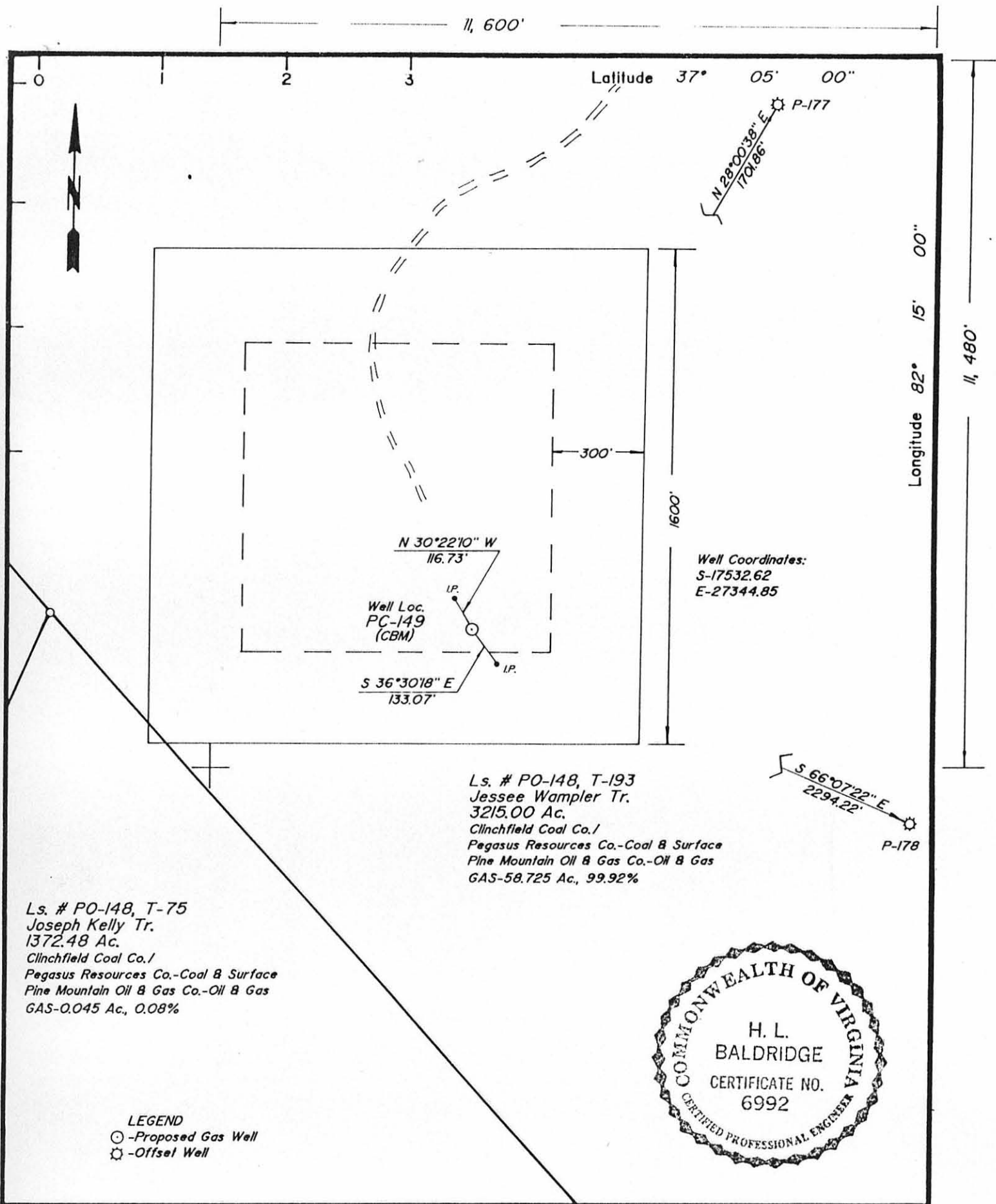
J. MATTHEW CONRAD

Geological Age	Formation	General Lithology	Color	Depth		Thickness	Remarks
				Top	Bottom		
PENNSYLVANIAN		SAND, SHALE & THIN COALS		0	1800	1800	
"		C-SEAM COAL		1800	1803	3	
"		SAND, SHALE & THIN COALS		1803	1895	92	
"		BECKLEY COAL		1895	1900	5	
"		SAND, SHALE & THIN COALS		1900	1953	53	
"		L. HORSEPEN COAL		1953	1955	2	
"		SAND, SHALE & THIN COALS		1955	2672	717	
MISSISSIPPIAN		RED ROCK		2672	2680	8	

DIRECTIONAL SURVEY

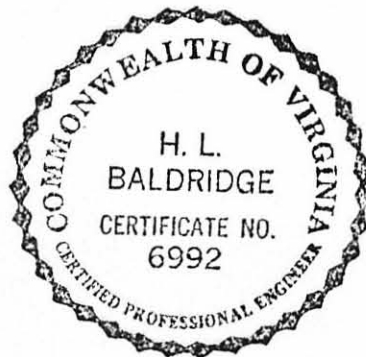
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<u>DEPTH</u>	<u>DEGREES</u>
160'	1 1/2°
381'	1°
474'	1°
688'	1/2°
906'	3/4°
1088'	1°
1374'	3/4°
1624'	1°
1841'	3/4°
2056'	1°
2242	1 1/4°
2430	1°
2680	1°



Ls. # PO-148, T-193
 Jesse Wampler Tr.
 3215.00 Ac.
 Clinchfield Coal Co./
 Pegasus Resources Co.-Coal & Surface
 Pine Mountain Oil & Gas Co.-Oil & Gas
 GAS-58.725 Ac., 99.92%

Ls. # PO-148, T-75
 Joseph Kelly Tr.
 1372.48 Ac.
 Clinchfield Coal Co./
 Pegasus Resources Co.-Coal & Surface
 Pine Mountain Oil & Gas Co.-Oil & Gas
 GAS-0.045 Ac., 0.08%



LEGEND
 ⊙ -Proposed Gas Well
 ⊛ -Offset Well

COMPANY Equitable Resources Exploration

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

WELL NAME PC-149

FARM Jesse Wampler TRACT T-193

LEASE NO. PO-148 ELEVATION 2322.89

ACRES 3215.00 QUADRANGLE Nora

COUNTY Dickenson DISTRICT Ervinton

REG. ENGINEER X REG. NO. 6992

CERT. LAND SURVEYOR _____ CERT. NO. _____

FILE NO. _____ DRAWING NO. 1987

DATE 5-29-90 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.

FORM 5

WELL LOCATION MAP
 WELL NO. PC-149

+ Denotes location of well on United States
 Topographic Maps, scale 1 to 24,000, lat-
 itude 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. Baldrige
 Registered Engineer or Certified
 Land Surveyor in Charge