API NO. 45 - 051 - 21336 WELL NAME: E. W. Durvea, PC-117 DATE July 25, 1990

DI 469

RECEIVED Division of

Virginia Oil and Gas Inspector P. O. Box 1416 Abingdon, VA 24210 703 628-8115

REPORT OF COMPLETION OF WELL WORK

Gas Act, the undersigned well operator reports completion of the type(s) o well work specified below on the referenced well in
WELL TYPE: Oil / Gas _x / Enhanced Recovery / Waste Disposal If Gas-Production _x / Underground Storage / Exempt by Code Section 45.1-300.B.l. 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
$\underline{}$ 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.
APPLICANTEquitable Resources Exploration
BYJ. Matthew Conrad
ITSGeologist
ADDRESS 1989 E. Stone Dr., Kingsport, TN 37660 .
TELEPHONE 615-378-5101
10 July 1960 9

NETT	Name	L.	w.	Durvea,	ru-11/
File	Number			DI-469	

COMPLETION REPORT

WELL TYPE: Oil () Gas Production Enhanced Recovery () W	
COUNTY Dickenson	DISTRICT Ervinton
SURFACE ELEVATION2675.08'	QUADRANGLE Duty
LATITUDE 7,550'S 37° 05 ' 00 "	LONGITUDE 11,750'W 82° 12 ' 30 "
DATE WELL COMPLETED 5/8/90	DRILLING CONTRACTOR <u>Union Drilling</u> ADDRESS <u>Drawer 40</u> , <u>Buckhannon</u> , <u>WV 26201</u> TELEPHONE NUMBER <u>304-472-4610</u> RIG TYPE <u>x</u> ROTARY <u>CABLE TOOL</u>
FRESH WATER AT (1) 177 FEET Wet SALT WATER AT (1) 1560 FEET Dam	GPM: (2) FEET GPM p
COAL SEAMS:	MINING IN AREA
Greasy Creek 1645 1646 1	NESS XRS NO MONTERXXXXXX Beckley 2102 2104 2
C-Seam 2009 2010 1 Warcreek 2042 2044 2	X-Seam 2225 2226 1
Warcreek 2042 2044 2 Unnamed C 2076 2077 1	
OIL AND GAS SHOWS: FORMATION TOP BOTTOM THICKNESS None Recorde	<u>IPF(MCFD/BOPD)</u> <u>PRESSURE</u> <u>HOURS TESTED</u>
INITIAL SHUT IN PRESSURE 2220 PSIG	TION STIMULATED WITH 750 Foam Frac
PERFORATED TO NO. OF PER	FORATIONS, PERFORATION SIZE SIG AVERAGE INJECTED RATE BPM MINUTE SHUT IN PRESSURE PSIG
INITIAL SHUT IN PRESSURE PSIG	MINUTE SHUT IN PRESSURE PSIG
BOD MCFD HOURS TESTE) AFTER STIMULATION ED ROCK PRESSURE HOURS TESTED
ZONE (1)	
FINAL PRODUCTION IF GAS ZONES ARE CO	MINGLED *185 MCFD HOURS TESTED PSIG HOURS TESTED
* - This is not an absolute open flow.	

CASING AND TUBING

PACKERS OR

	SIZE	TOP	BOTTOM	LENGTH	PERFORATION FEET TO FE		IDGE PLUG SIZE SET	
CONDUCTOR	11 3/4"	iati con dia	39'					
CASING Circulated and Cement to Surface	ed					•		
WATER PROT (Casing Se According Section 45.1-334)	t		334'					
COAL PROTE (Casing Se According Section 45.1-334)	t							
OTHER CASI Tubing Lef In Well	t 4½"	and the state of t	2669' 2300'					
LINERS Remaining In Well								
OTHER used	and not			00-10-10-1	711777777			
Is the well underlain by Red Shale \underline{x} Yes $\underline{}$ No, If Yes, was coal protection string set to Red Shales? \underline{x} Yes $\underline{}$ No								
REMARKS:	Shut dow	n, fis	hing job	s, depths	and dates,	caving,	etc.	

Samples and Cuttings Will X Will not be available for examination by a member of the
Will X Will not be available for examination by a member of the Virginia Division of Mineral Resources Will X Will not be furnished to the Virginia Division of Mineral
Resources upon request Will Will not X 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? Yesx_ No
Was log made at request of a coal owner according to Section 45.1-333.B.1 of the Virginia Code? Yes No \underline{X} _
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 X 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 Feet/Degree Deviated Depth Feet/Degree Deviated of Survey From True Vertical
See Attachment
A continuous survey was $was vert = was vert = vert$
Note: If a continuous 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.
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 X Ninety (90) days
two (2) years, if the well is exploratory

Geological		General		De	pth		
Age	Formation	Lithology	Color	Top	Bottom	Thickness	Remarks
ennsylvanian	Lee	Sand/Shale/	Thin Coal	0	2101	2101	
		Beckley Coal	1	2101	2105	4	
		Sand/Shale/	Thin Coal	2105	2275	270	
	Pocahontas	Sand/Shale/	Thin Coal	2275	2890	615	
ississippian	Bluestone	Red Shale		2890	2892	2	

DIRECTIONAL SURVEY PC-117

DEPTH		DEGR	EES
233'		0	o
474		0	0
662'		1	0
870 '		ī	0
1062'		ī	0
1280'	dt.\	1½	0
1407'		112	
1501'		11/2	
1594'		1 ½	
1781'		11	
1998'		11/2	
2185'		11/2	
2379'			4°
2565'			4°

Registered Engineer -er Certified

-Land Surveyor In Charge

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FORM 5