Ry-0025

API NO. 45 - 167 - 21670

WELL NAME: J. W. RASNAKE VC 1863

DATE MAY 8, 1992

Virginia Oil and Gas Inspector
P. O. Box 141
Abingdon, VA 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 NEW GARDEN District RUSSELL OCTOBER month , 1991 1991 .
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
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 Goseph a. Ching
ITS SR. ENGINEER
ADDRESS 1989 E. STONE DR., KINGSPORT, TN 37660
TELEPHONE 615/378-5101
Mar A Sol

Well Name J. W. RASNAKE VC1863 File Number RU-25

COMPLETION REPORT

		(\underline{X}) Gas-Underground Storage () Waste Disposal ()
COUNTY RUSSELL		DISTRICT NEW GARDEN
SURFACE ELEVATION	2584.86'	QUADRANGLE BIG A MOUNTAIN
LATITUDE 1020 'S	37° 02 ' 30 "	LONGITUDE 10500 'W 82° 05 ' 00 "
DRILLING DATA DATE DRILLING COM DATE DRILLING COM DATE WELL COMPLET TOTAL DEPTH OF COM GEOLOGICAL DATA FRESH WATER AT (1	PLETED 9-27-91 ED 10-31-91 MPLETED WELL _{LTD=2668} DTD=2670	DRILLING CONTRACTOR UNION DRILLING ADDRESS P.O. DRAWER 40, BUCKHANNON, WV TELEPHONE NUMBER 304-472-4610 RIG TYPE X ROTARY CABLE TOOL STRGPM: (2) 1806 FEET 1/4"STR GPM
SALT WATER AT (1)FEET	GPM: (2)FEETGPM
NAME TO TO THE T	77 1179 2	KNESS YES NO MINED OUT
C-SEAM RIDER 165 WARCREEK RIDER 167		
WARCREEK RIDER 167 WARCREEK 169		
BECKLEY (SPLIT) 176 OIL AND GAS SHOWS	54 1766 2	IPF(MCFD/BOPD) PRESSURE HOURS TESTED ODOR
W/20060 # 12/20 SANT	SEAM, X-SEAM FORM	HORSEPEN, BECKLEY, WARCREEK, W.C. RIDER, C-SEAM RIDE ATION STIMULATED WITH70 0 FOAM/LE 56 BF FORATIONS15 PERFORATION SIZE34" SIG AVERAGE INJECTED RATE17.5 (56 DHBPM 5 MINUTE SHUT IN PRESSURE1570PSIG
STIMULATION RECOR		ATION STIMULATED WITH
PERFORATED FORMATION BROKE D INITIAL SHUT IN P	TO NO. OF PER OWN AT PSICE	RFORATIONS PERFORATION SIZE SIG AVERAGE INJECTED RATE BPM GMINUTE SHUT IN PRESSURE_PSIG
FINAL PRODUCTION .		
BOD	MCFD HOURS TEST) AFTER STIMULATION ED ROCK PRESSURE HOURS TESTED
ZONE (1) ZONE (2) FINAL PRODUCTION	MCFD HOURS TEST! IF GAS ZONES ARE CO	OMMINGLED 31 MCFD 6 HOURS TESTED

Form 16, Appendix A Sheet 3 Well Name J. W. RASNAKE VC1863
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 to the Virginia Division of Mineral Resources upon request
WillWill not X require sacks to be furnished by the Virginia
Electric Logs and Surveys: Type of Electric Log(s) Ran: SLD/GR/TEMP
Did log disclose vertical location of a coal seam? Yes X No
Was log made at request of a coal owner according to Section 45.1-333.B.1 of the Virginia Code? Yes No _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
<pre>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."</pre>
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 of Survey From True Vertical
See Attachment
A continuous survey waswas not X 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 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

Form 16, Appendix A, Sheet 2 Well Name J. W. RASNAKE VC1863
CASING AND TUBING PACKERS OR PERFORATIONS BRIDGE PLUGS SIZE TOP BOTTOM LENGTH FEET TO FEET KIND SIZE SET AT
CONDUCTOR
CASING Circulated and Cemented to Surface 11 3/4" 38'
WATER PROTECTION (Casing Set According to Section 45.1-334) 85/8" 880' 870'
COAL PROTECTION (Casing Set According to Section 45.1-334)
OTHER CASING & Tubing Left In Well
OTHER used and not left
Is the well underlain by Red Shale X Yes No, If Yes, was comprotection string set to Red Shales? X Yes No
REMARKS: Shut down, fishing jobs, depths and dates, caving, etc.

DIRECTIONAL SURVEY WELL VC1863

DEPTH	DEGREES
204	3/4 ^A
419	3/4
630	1°
800	1°
990	3/4°
1216	1 1/2°
1460	1°
1600	1°
1800	1 1/4°
2000	2°
2145	2°
2360	1 1/2°
2550	1 1/2°

Well Name J. W. RASNAKE VC1863

DRILLER'S LOG
Compiled by ENGINEERING

Geologica Age	al General Formation Lithology	Color		pth Bottom	Thickness	Remarks
?ENNSYLVANIAN	SAND, SHALE & THIN COALS		0	1177	1177	
1	GREASY CREEK COAL		1177	1179	2	
	SAND, SHALE & THIN COALS		1179	1653	474	
	C-SEAM RIDER COAL		1653	1655	2	
	SAND, SHALE & THIN COALS		1655	1675	20	
	WARCREEK RIDER COAL		1675	1677	2	
	SAND, SHALE & THIN COALS		1677	1693	16	
	WARCREEK COAL		1693	1695	2	
	SAND, SHALE & THIN COALS		1695	1764	69	
	BECKLEY COAL (SPLIT)		1764	1766	2	
	SAND, SHALE & THIN COALS		1766	1770	4	
	BECKLEY COAL (SPLIT)		1770	1773	3	
	SAND, SHALE & THIN COALS		1773	1833	60	
	LOWER HORSEPEN COAL (SPLIT)		1833	1835	2	
	SAND, SHALE & THIN COALS		1835	1877	42	
	X-SEAM COAL		1877	1880	3	
	SAND, SHALE & THIN COALS		1880	1952	72	
	POCO # 9 COAL		1952	1954	2	
	SAND, SHALE & THIN COALS		1954	2223	269	
	POCO #6 COAL		2223	2226	3	
\downarrow	SAND, SHALE & THIN COALS		2226	2668	442	
	LOGGER'S TOTAL DEPTH			2668		



