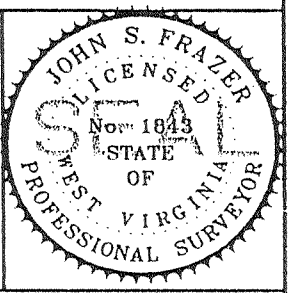


FILE NO. 2000-155  
DRAWING NO. 2000-155 EQUITABLE CIVIL WELLS WVS27  
SCALE 1" = 1,000'  
MINIMUM DEGREE OF ACCURACY 1:2500  
PROVEN SOURCE OF ELEVATION USGS STA LOGAN  
EL=1048.76' NAVD88

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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
(SIGNED) John S. Frazer  
R.P.E. \_\_\_\_\_ P.S. 1843



STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: JANUARY 31st 2001  
OPERATOR'S WELL NO. ISLAND CREEK COAL Co  
API WELL NO. WV-6061

47 - 045 - 01393  
STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW \_\_\_

LOCATION: ELEVATION 1,546.63' WATER SHED WOLFFEN HOLLOW OF ROCK HOUSE BR. OF MUD FR. OF ISLAND CR. OF THE GUYANDOTTE DISTRICT COUNTY LOGAN  
QUADRANGLE CHAPMANVILLE, WV 7.5 Min. Quadrangle

SURFACE OWNER HEARTWOOD FORESTLAND FUND II ACREAGE 24,418.08 Ac.  
OIL & GAS ROYALTY OWNER ISLAND CREEK COAL Co LEASE ACREAGE 60,000 Ac.  
LEASE NO. 080662

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION DEVONIAN ESTIMATED DEPTH 5,600'  
WELL OPERATOR Equitable Prod.-Eastern States, Inc. DESIGNATED AGENT STEPHEN G. PERDUE 09 2001  
ADDRESS P.O. BOX 2347 ADDRESS P.O. BOX 2347  
CHARLESTON, W.V. 25328 CHARLESTON, W.V. 25328

DEEP WELL

6-6 274

CHA 20

LOGAN 1393

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Reviewed ALB

Well Operator's Report of Well Work

Farm Name: Heartwood Forestland Operator Well No.: WV-506061-Island Creek

LOCATION: Elevation: 1,546.63 Quadrangle: Chapmanville

District: Island Creek County: Logan

Latitude: 14,445 Feet South of Deg. 37 Minutes 55 Seconds 0  
Longitude: 6,764 Feet West of Deg. 82 Minutes 2 Seconds 30

Company: **EQUITABLE PRODUCTION COMPANY**  
P.O. Box 2347, 1710 Pennsylvania Avenue  
Charleston, WV 25328

Agent: Steve Perdue

Inspector: Ofie Helmick

Permit Issued: 03/09/2001  
Well work commenced: 05/06/01  
Well work completed: 05/29/01

Verbal Plugging  
Permission granted on: \_\_\_\_\_

Rotary Rig  Cable Rig \_\_\_\_\_

Total Depth 4767' feet

Fresh water depths (ft) 140'

Salt water depths (ft) 1250'

Is coal being mined in area? \_\_\_\_\_

Coal Depths (ft): 12', 127', 175', 508', 654'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
13-3/8"	30'	30'	Grtd
9-5/8"	716'	716'	271 FT <sup>3</sup>
7"	2084'	2084'	405 FT <sup>3</sup>
4-1/2"	4714'	4714'	434 FT <sup>3</sup>

OPEN FLOW DATA

Producing formation L Shale, U. Shale/Berea, Big Lime

Gas: Initial open flow 637 Bbl/d  
Final open flow 1150  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure 138 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay Zone Depth (ft): \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

See Attach for details

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: BLAZER ENERGY CORPORATION

By: [Signature]  
Date: 7/18/01

AUG 03 2001  
106 1393

RECEIVED  
Office of Oil & Gas  
Permitting  
JUL 25 2001  
WV Department of  
Environmental Protection

**EQUITABLE PRODUCTION COMPANY  
WR-35 COMPLETION REPORT - Attachment  
Well Treatment Summary**

Well: WV-506061-Island Creek

API# 47-045-01393

Date	5/25/2001	5/25/2001	5/25/2001			
Type Frac Acid, N <sub>2</sub> , Foam, Water	N <sup>2</sup>	N <sup>2</sup>	Acid			
Zone Treated	L. Shale	U. Shale/ Berea	Big Lime			
# Perfs From - To:	50 3823-4653	30 2851-3502	26 2161-2268			
BD Pressure @ psi	2831	2130	194			
ATP psi	2430	2372	1346			
Avg. Rate, B=B/M, S= SCF/M	54,800 S	53,571 S	5 B			
Max. Treat Press psi	2831	2800	2174			
ISIP psi	1755 Final	1760 Final	1138 Final			
Frac Gradient	.48	.62	.47			
10 min S-I Pressure	1222	768	603			
Material Volume						
Sand-sks						
Water-bbl						
SCF N <sub>2</sub>	895,021	696,876	31,876			
Acid-gal	600 gal 7.5%	550 gal 8.4%	3500 gal 15.9%			
NOTES:						

TOP	BASE	FORMATION	REMARKS*
0	10	KB	
10	12	Shale Red	
12	14	Coal	
14	16	Shale	
16	127	Sand	
127	132	Coal	
132	175	Sand	Hole damp @ 140'
175	177	Coal	
177	325	Sand	
325	330	Shale	
330	507	Sand Shale	
508	511	Coal	
511	654	Sandy Shale	
654	658	Coal	
658	1003	Sandy Shale	
1003	1650	Salt Sand	1/4" stream water @ 1250'
1943	1978	Maxton	
2052	2112	L Lime	
2112	2310	Big Lime	
2323	2328	Big Injun	
2368	2384	U Weir	
2450	2527	L Weir	
2825	2856	Sunbury	
2856	2863	Berea	
3824	4176	L Huron	
4176	4300	Java	
4300	4490	Angola	
4490	4672	Rhinestreet	
4672		Onondaga	
4769		TD	

GT @ 2125', 2251'=NS  
GT @ 2441', 2817', 3110', 3601', 3854', 4105',  
4419', 4704', TD=637 mcf/d

