

VEED WELL

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

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Cection of on and Gas

		Well Ope	rator's Report o	t Well Wo	rk			
Farm Name: FOREST LAND GROUP				Operator Well No.:			ISLAND CRK D-98	
LOCATION:	Elevation:	1,363.00	Quadrangle:	HOLDEN				
	District: Latitude: Longitude:	ISLAND CREEK 8790 10530 Fe	County: Feet South of et West of		37 Deg 50 82 Deg 02			
Company:	BLAZER ENERGY CO P.O. BOX 2347 CHARLESTON, WV 2		Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.		
Agent:	Richard Smeltzer		13-3/8"	46'	46'	GRTD		
Permit Issu W	ell work commenced:	9/21/99	9-5/8"	892'	892'	374 FT³	The same and the s	
Verbal Plug	ermission granted on:	10/17/99	7"	2397'	2397'	442 FT³		
Rotary Rig Total Depth Fresh water			4-1/2"	4951'	4951'	360 FT³		
Salt water o	lepths (ft) 1390'	ETTALANCE (SUMMOTOR NAVIOUS NA		- *	The second secon			
Is coal being mined in area? Coal Depths (ft): 120-125', 362-366', 538-542', 634-642', 668-672', 782-792'								
OPEN FLOW DATA Producing formation L., Shale, U. Shale/Berea, Big Lime Pay Zone Depth (ft): Gas: Initial open flow Final open flow: Time of the best								
Time of open flow between initial and final tests Static rock pressure 564 psig (surface pressure) after Hours								
Seco	ond producing formation Gas: Initial open flow Final open flow:		Depth (ft): Bbl/d	Co-construction of the construction of the con				
,		/ between initial an psig (s		open flow:	Hours	Hours		
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 WELLBO								

For: BLAZER ENERGY CORPORATION

Date: 12/8/99

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EASTERN STATES OIL & GAS, INC. WR-35 COMPLETION REPORT - Attachment Well Treatment Summary

Well: Island Creek Coal D-98 API# 47-045-01306

Date 10/15/99		10/15/99	10/15/99		
				·	
Type Frac					
Acid, N2, Foam, Water	N²	N ²	Acid/N ²		
Zone Treated	L. Shale	U. Shale	Big Lime		
		Berea			
# Perfs	14	27	20		
From - To:	4572-4924	2990-4448	2454-2635		
BD Pressure @ psi	3448	2598	512		
ATP psi	2566	2229	856		
Avg. Rate, B=B/M, S= SCF/M	46,500 S	52,530 S	7890 S		
Max. Treat Press psi	4172	2598	1449		
ISIP psi	2163	1150	1070		
Frac Gradient	.53	.35	.46	,	
10 min S-I Pressure	2047	1004	927		
Material Volume					-90°365
Sand-sks					
Water-bbl	36	1-1/2	6-1/2		
SCF N ₂	459,050	1,185,100	48,407		
Acid-gal	350 gal	1239 gal	2500 gal		
	7.5%	7.8%	16%		
NOTES:					

TOP	BASE	FORMATION	REMARKS
(120	Sand Shale	
12	20 125	Coal	
12	25 362	Sand Shale	
36	366	Coal	
36	538	Sand Shale	Hole damp @ 517'
53	38 542	Coal	
54	12 634	Sand Shale	
63	34 642	Coal	
	12 668	Sand Shale	
66	672		
-	72 782		· · · · · · · · · · · · · · · · · · ·
	32 792		
	32	Sand Shale	
	60 1880		Hole damp @ 1390' & 1400'
	27 2196		GT @ 1938', 2173', 2313', 2413'=NS
	15 2266		
	30 2378		· ·
	78 2638	•	
	50 2725		GT @ 2650', 2868', 3243', 4237'=odor
	33 3165	•	
	65 3196		·
	96 4148		
	10 3138		
	48 445		
	57 4573		
	73 4776	· ·	
	76 493		e e e e
	35 .	Onondoga	
49	86	TD	
			GT @ drill collars=15 mcfd

GT @ drill collars=15 mcfd After running 4-1/2" csg=22 mcfd.