

State of West Virginia **DEPARTMENT OF ENERGY** Division of Oil and Gas Well Operator's Report of Well Work

Farm Name: Berwind Winifrede			Op	Operator Well No. B				# 1		
Location: Elevation: 1404'				Quadrangle: Belle						
	District: Sherman				County: Boone					
	Latitude:		Feet South of	38	De	egrees	10	Minutes	00	Seconds
	Longitude:	1,760′	Feet West of	81	De	grees	35	Minutes	00	Seconds
Company:]	Northstar Energy Cor	poration	· · [Casing	&	Used	in	Left	Τ-	Cement
. = -	1018 Kan. Blvd. E., S	•		Tubin		Sec	· ***	Leit	1	Fill Up
	Charleston, WV 253			Size	-	Drill	ing	in well	1	Cu. Ft.
Agent: W. Tl	nomas White		Ī						_	
Inspector: Ca	arlos Hively						.			
Permit Issued	l: 9/9/03								1	
	ommenced: 10-28-	03		13 3/8	3"	29	,	29′		n/a
	ompleted: 11-04-									
	ing Permission grant		N/A	9 5/8	"	925.0)5'	925.05′		497
	Cable Tool									
	feet): LTD- 2967'		2960′	7"		2106.	75'	2106.75′		600
Fresh water d	epths (ft <u>):</u>			4 1/2′	,	_		2914.40′		155
Salt water de	oths (ft <u>): 1536'</u>		L			عة أما يعسه المعد	ter intel	2714.40		155
Is coal being mined in area: no Carl Darth 256/ 230/ 400/ 466/ 500/ 500/										
Coal Depths:	256', 339', 408', 466	', 593', 7	723',	O11			Service Control	3		
Open Mine: 879' 0CT 2 3 2004										
OPEN FLOV	W DATA:									
Producing for	mation(s): Big Injun	, Weir, E	Berea			P	ay zo	ne depth (ft)	See back
Gas:	Initial open flow no	show	MCF/D	Enviror	O	il: - I	nitial	open flow		Bbl/d
	Final open flow		_MCF/D			F	inal c	pen flow_		
	Time of open flow between initial and final tests: 4 Hours									
Static rock Pressure 600 psig (surface pressure)after 72 Hours										
Second produ	cing formation(s):					р	av 70	ne depth (1	a)	See back
Gas:	Initial open flow		MCF/D		0	^ il: I1	nitial	open flow_		Bbl/d
	Final open flow							pen flow_		
	Time of open i			l final te	ests:	_		Hou	rs	
	Static rock Pres									
NOTE: ON D	ACK OF THIS FOR	NA DITT	THE EVI I VA	/INIC:	1) D	א דיכוו	C OF			
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 FORMA	ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.									
ALLE I OIMMA	TIONS, INCLUDIN	O COAL	LENCOUNTE	VEN R	1 11	ne we	LLB	OKE.		

FOR: Northstar Energy Corporation
BY: White Manager Corporation

DATE: 10-28-04

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11-12-2003

MIRU Fisher Well Surveys, run GR/CCL. Logger's TD - 2910'. Calc TOC - 1850'. MIRU Universal Well Services, Inc. to conduct 3-stage completion. 250 gals. 15% HCl in hole. Break on fluid.

1st Stage - Berea/Stray Sand (2880-2882', 8 holes) 75Q Foam Frac (250 gals) 15% HCl, 20,000 lbs. 20/40 sand, 1-3 ppg, 142 Bbls. Twtr, 239 Mscf, N2 BKDN - 1780 psi, ATP - 2628 psi, AIR - 20 BPM, ISIP - 1850 psi

3 5/16" baffle at 2696'. Dropped frac ball in 12Bbls. (500 gals) 15% HCl, followed by N2 breakdown.

2nd Stage - Upper Weir (2554-2558', 12 holes) 75Q Foam Frac
12 Bbls. (500 gals) 15% HCl, 25,000 lbs. 20/40 sand, 1-3 ppg, 102 Bbls. Twtr, 174 Mscf, N2
BKDN - 2650 psi, ATP - 1867 psi, AIR - 20 BPM, ISIP - 1741 psi

3 9/16" baffle at 2480'. Dropped frac ball in 12 Bbls. (500 gals) 15% HCl, followed by N2 breakdown.

3rd Stage - Big Injun (2437-2453', 17 holes) 75Q Foam Frac
12 Bbls. (500 gals) 15% HCl, 44,000 lbs. 20/40 sand, 1-4 ppg, 128 Bbls. Twtr, 296 Mscf, N2
BKDN - 2707 psi, ATP - 2140 psi, AIR - 20 BPM, ISIP - 1950

RDMO Universal Well Services, Inc. and Fisher Well Surveys. RU flowback and open well on 1/4" choke.

Formation Depths take	n from Drillers	Lo	g Book	
Sub Base	0	_ `	10'	
Dirt	10	-	14'	
Sand & Shale	14	-	256′	The state of the s
Coal	256	-	260′	Cinc. of the mas
Sand & Shale	260	-	339′	
Coal	339	_	343'	. OCT 2 3 2004
Sand & Shale	343	-	408′	•
Coal	408	_	412'	gree green
Sand & Shale	412	-	466′	the state of the s
Coal	466	-	469′	
Sand & Shale	469	-	593′	
Coal	593	-	596′	
Sand & Shale	596	-	723′	
Coal	723	_	726′	
Sand & Shale	726	_	879′	
Open Mine	879	_	883'	
Sand & Shale	883	_	1115'	
Shale	1115	_		

Formation Depths taken from Gamma Ray Log								
Shale		-	1190′					
Sand	1190	-	1225′					
Salt Sand	1225	-	1395'					
Shale	1395	_	1502′					
Salt Sand	1502	-	1675′	Water at 1536', 2"stream				
Shale	1675	-	1725′	Lost circulation at 1689'				
Upper Maxton	1725	_	1740′					
Sand & Shale	1740	_	1825′					
Middle Maxton	1825	-	1933'					
Shale	1933	-	2080′	·				
Lower Maxton	2080	-	2130′					
Shale	2130	-	2140′					
Little Lime	2140	-	2197'					
Shale	2197	-	2210′					
Big Lime	2210	-	2406′					
Shale	2406	-	2430'	Access to the control of the control				
Big Injun	2430	_	2459'					
Silt & Shale	2459	-	2514'	Office of the & Gas				
Weir	2514	-	2654'	OCT 2 8 2004				
Shale	2654	-	2803′	331 2 3 7004				
Siltstone	2803	-	2822'					
Shale	2822	-	2862′	Environnos de Profession				
Sunbury Shale	2862	-	2878′					
Berea	2878	-	2883'					
Shale	2883	-	TD	Gas Check at TD – No show				

Total Depth 2967' Well logged by Allegheny Wireline Services, Inc.