Office of Oil & Gas

JUN 0 5 2009

W Department of
Environmental Protection

01-Aug-08 API#: 47-001-02982

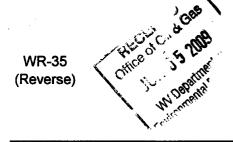
STATE OF WEST VIRGINIA Division of Environmental Protection

Office of Oil and Gas

Initial Vertical Portion Of Hole WELL OPERATOR'S REPORT of WELL WORK

962

Farm Name:	ne: ROBERT R JONES				_Operator Well No.:		WENTZ 4HS
Location:	Elevation:	1597		7.5' Quad.: AUDRA			
	m1-1-1-1-	LINION			County:	BARBOUR	
	District:	UNION	Fact	Cauth of		05 Min.	00 Sec.
	Latitude:	13,790	Feet	• _	39 Deg.	••••••	00 Sec.
	Longitude:	7,200	Feet	West of	80 Deg.	05 M in.	00 Sec.
Company: Nor	th Coast Ene	rgy Eastern, Inc.	.	Casing &	Used in	Left in	Cement
	P. O. BOX 8			Tubing	Drilling	Well	Туре
		OD, WV 26164		(Size-O.D.)	(feet)	(feet)	(sacks)
Agent:	Jon Ullom			30"	2.5	2.5	None
/ igoni.				24"	40	40	50 SX
Inspector:	Bill Hatfield				!		1
Permit Issued:							
Well Work Com	• • • • • • • •	09/17/08					
Well Work Com		11/14/08	•	16"	211	211	220 SX
	• •	11714700	•		}		
Verbal Plugging Permission Gra							
	Cable	Rig	•				
Rotary X		9495 TMD		10 3/4"	1845	1845	975 SX
Total Depth (fe		9495 TMD	•	7 5/8"	7880	7880	315 SX
Fresh Water D	peptns (reet):			7 5/6	7000	1 7000	0.000
none	45 - 48 - 48		-	 			
Salt Water De	ptns (teet):			4 1/2" &			
none		N-	-	11	3729	3729	415 SX
_	nined in area?		-	LINER	3/29	3/29	710 0/
Coal Depths (ft): None Found		-	L			<u> </u>
OPEN FLOW	DATA						TVD:
Pro	ducing formatio	n MARCELLUS			_Pay zone de	epth (ft)	
Ga	s: Initial open flov	N	MCF/	Oil: Initial	open flow	4	BBL/D
	Final open flor		MCF/I) Final	open flow		BBL/D
	Time of ope	en flow between ini	tial and	final tests			Hou rs
Sta	itic rock pressur	е	_psig	(surface pre	essure) after	24	Hours
· 2nd	l producing form.	NA			Pay zone d	lepth (ft)	
	s: Initial open flo		MCF/I	Oil: Initial		_	BBL/D
Ga	Final open flow		MCF/I		open flow	*	BBL/D
Time of open flow between initial and final tests					Hours		
Sta			psig		essure) after		
Static rock pressurepsig (surface pressure) afterHours *Note: Initial Open-flows are natural flows without stimulation.							
			0112112	4) DET4# 0 0	DEDEODATEO	INTEDVALE EDA	CTURING OR
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 GEOLOGIC RECORD							
OF ALL FORMATIONS, INCLUDING COAL, ENCOUNTERED BY THE WELLBORE.							
(In Ollam							
For: NORTH COAST ENERGY Eastern, Inc.							
	By: Jon Ullom						
Date: 1-Jun-09							



API / Permit #:
North Coast Well #:

47-001-02982 WENTZ 4HS 1597 GL 1607 KB

Elevation:

DETAILS OF PERFORATING, FRACTURING, OR PHYSICAL CHANGE, ETC.

waiting on stimulation

WELL LOG

ROCK TYPE OR FORMATION NAME	TOP	BOTTOM	REMARKS
	(TVD)	(TVD)	
SHALE & SAND	0	352	
SAND	352	467	
SHALE	467	550	
SAND	550	578	
SHALE	578	830	
SAND	830	908	
SHALE	908	1091	
BIG LIME (GREENBRIER)	1091	1296	
SHALE	1296	1	
BIG INJUN SAND	1377	1411	
FOURTH SAND	1963	1979	
FIFTH SAND	2029	l 1	
SPEECHLEY	2597	1	
BRADFORD	3149		
RILEY SAND	3519	1 1	
BENSON SAND	3859	1	
BURKETT	7131	1	
TULLY	7150	1 1	
HAMILTON	7213		
MARCELLUS	7325	7415	
ONONDAGA	7415		
CHERT	7474		
ORISKANY	7633		
TOTAL MEASURED DEPTH	7747		
TRUE VERTICAL DEPTH of Well Bottom at TD	7747		

PLUG BACK VERTICAL SECTION IN FOLLOWING MANNER:

7747 to 7720 Gel 7720 to 6364 Class A Cement

Drilled Cement To K.O.P

6744