

DERP

30-Oct-01 API# 47-107-01639

STATE OF WEST VIRGINIA Division of Environmental Protection Office of Oil and Gas

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WELL OPERATOR'S REPORT of WELL WORK

Farm Name:	Wright, Charle	es			Operator W	ell No.:	NCEE-944	
Location:	Elevation:	626.4			7.5' Quad.:	POND CRE	EEK	
	District: Latitude: Longitude:	HARRIS 12150 4500	Feet Feet	South of West of	County: 39 Deg. 81 Deg.	WOOD 07 Min. 42 Min.	30 Sec. 30 Sec.	
P.O	RTH COAST ENER D. BOX 8 VENSWOOD, V		RN, INC.	Casing & Tubing (Size-O.D.)	Used in Drilling (feet)	Left in Well (feet)	Cement Type (sacks)	
Agent:	David L. Cox	RISH		11 3/4"	253	253	160 SX Class A Cement	
Permit Issued: Well Work Com Well Work Com Verbal Plugging	10/30/01 menced (spud): pleted (T.D.):	11/24/01	- -	8 5/8"	1739	1739	430 SX Class A Cement	
Permission Gran Rotary X Total Depth (for Fresh Water D	Cable eet):	Rig 5329	-	4 1/2"		5214	185 SX 65/35 POZ	
	mined in area ?	No	- - -					DEAVED of Old A Gas rmitting
Coal Depths (ft): None present WV Department of Environmental Protection								
Final open flow MCF/D Final open flow BBL/D Time of open flow between initial and final tests Hours Static rock pressure psig (surface pressure) after Days								

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.

For:

NORTH COAST ENERGY Eastern, Inc.

By: David L. Cox, Manager of Geology

Date: 9-May-02

W000 11

WR-35 (Reverse) API / Permit #:
North Coast Well #:

47-107-01639 NCEE-944

Elevation:

626 GL 636 KB

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

PERFORATED THE LOCKPORT DOLOMITE FROM 5080 TO 5090 USING 40 HOLES. FRAC'D THE LOCKPORT WITH 800GAL ACID & 63 BBL KCI WATER ATP = 2600 # BDP = 3168#

TREATMENT RESULTED IN SALT WATER. PLUG-BACK TO BROWN SHALE

PERFORATED THE BROWN SHALE FROM 3322 TO 3575 USING 40 HOLES. FRAC'D THE SHALE USING 52,000# SAND, 332,000 SCF OF NITROGEN, 130 BBL WATER. ATP=1700# ISIP=1270#

WELL LOG

ROCK TYPE OR FORMATION NAME	TOP	BOTTOM	REMARKS
(all measurements taken from KB)			
SHALE	0	80	
SAND	80	132	A PERSONAL PROPERTY OF THE PRO
SHALE	132	349	Unice of Oli 2. God
SAND	349	380	Permitting
SHALE W/ SAND STRINGERS	380	998	
SAND W/ SHALE	998	1405	MAY 1 0 2002
SHALE	1405	1921	
SALT SANDS	ABSENT		W/ Department of
BIG LIME (GREENBRIER)	ABSENT		Environmental Protection
BIG INJUN SAND?	ABSENT		The second secon
COFFEE SHALE (SUNBURY)	1921	1941	
BEREA SAND	1941	1943	
SHALE	1943	3027	'
BROWN SHALE (LOWER HURON)	3027	3578	s/gas @ 3400'
SHALE (JAVA)	3578	3812	
RHINESTREET SHALE	3812	4126	
ONONDAGA LIMESTONE (Big Lime of OH)	4126	4220	
ORISKANY SANDSTONE	4220	4234	s/gas & water
HELDERBERG LIMESTONE	4234	4424	
"SALINA" DOLOMITE	4424	4936	3
NEWBURG SAND	4936	4942	tight & dry
DOLOMITE & SHALE	4942	5040	
LOCKPORT DOLOMITE	5040	5252	s/gas & water
BIG SIX SAND (KEEFER)	5252	5276	
ROSE HILL SHALE	5276	5329	
LOGGERS' TD	5329		
DRILLERS' TD	5381		
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