WR-35 Rev (9-11)

## State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

DATE: 1-30-2013 API#: 47-039-06329

Farm name: Penn Virginia - Carbon Fuel	Operator We	II No .: CF	- 2H	
			e Grove	7.5
District: Cabin Creek  Latitude: 9970 Feet South of 38 Deg.  Longitude 9900 Feet West of Deg.				
Company: North star Energy Con	P			
Address: 900 Lee St. E, Ste940	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Charleston, WV 25301	133/8"	10'	10	
Agent: Nancy M. Abcouwer	95/8"	262'	262'	277 cf
Inspector: T. Urban	73/8"	1302'	1302'	235cf
Date Permit Issued: 2-27-2012	4.5"	5.124'	5.124'	80 cf
Date Well Work Commenced: 3 / 26/2012		,		
Date Well Work Completed: 5/25/2012				
Verbal Plugging:		DE		1
Date Permission granted on:	REVEIVED			
Rotary Cable Rig		Office o	r Oll & Gas	
Total Vertical Depth (ft): 1894		MAR	1 4 2013	
Total Measured Depth (ft): 5160				
Fresh Water Depth (ft.): 340		WV Dep	artment of	
Salt Water Depth (ft.): 800	E	nvironme	ntal Protec	tion
Is coal being mined in area (NY)? Strip only				
Coal Depths (ft.): Above elev.				
Void(s) encountered (N)Y) Depth(s)				
OPEN FLOW DATA (If more than two producing formation Producing formation Weir Pay zo Gas: Initial open flow 420 MCF/d Oil: Initial open flow Time of open flow between initial and final tests 4: Static rock Pressure 325 psig (surface pressure) after Second producing formation Pay zon Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure psig (surface pressure) after Static rock Pressure psig (surface pressure)	one depth (ft)  ow O Bb  B Hours  er 48 Hours  e depth (ft)  ow Bb  Bbl  Hours	1/08 - /8 9 8 1/d /d S 1/d /d	ta on separate sh Cilliand of oil and FEB 1.2 2013 FEB 1.2 2013 My Departmental	C. C.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

1-30-2013

03/15/2013

Were core samples taken? YesNo	Were cuttings caught during drilling? YesNo
Were Electrical, Mechanical or Geophysical logs r	ecorded on this well? If yes, please list G.R. /cement bond.
	ordered on and won't it yes, prease list o. N. / CEMENT DONG
	HE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, CAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING THE FROM SURFACE TO TOTAL DEPTH.
Perforated Intervals, Fracturing, or Stimulating:	
8- stage from in their from	
death with 250! to 300'	stage seperation. 750 foam.
2014 1 · 107 × 63 SCT N. 35	1 SKS JONO and 240 hblocking a chair
2149 273 1.403.840 SC+ N. 94	12 sks delyo sand 504 bbl always and base
enge is it saily out N. 18	17 SKS 20/40 CONA FAT HALL CLAME A A L
Plug Back Details Including Plug Type and Depth (o	14 sks 20/40 sand; 205 bb   slurry @ 10.6 bpm
Stage 7+8: 949 LOD SAFAL DE	st de ala distribution
Formations Encountered:	54 sks 20/40 Sand, 425 bbl slurry@ 8.9 hpm
Surface:	Top Depth / Bottom Depth
FZSS RE	*** (***   T
Sub base Office	CEIVED of Oil & Gas 0 / 10'
Shale	10 / 05
Sand	R 1 4 2013 85 / 14 5
Sand + Shalany Da	Martmont of 145/ 205
Sand, Environme	enter Drotoction 5/ 239
3/14/9	239/ 284
Sand	284 / 555
Salt sand	555/ 710
Maxton	210/ 960
Sand + Shale	960/ 1065
Big Lime	1065/ 1095
Big Lime Big Injun	1152/1290
Sandy shale	1290 / 1313
52H and shale	1318 / 1393
Weir	1393 / 1708