State of West Virginia **Division of Environmental Protection** Section of Oil and Gas Well Operator's Report of Well Work



Farm name:

ENGLAND, WAYNE & BEVERLY

Operator Well No.: B. H. BROWN 123

LOCATION:

Elevation:

1,184.00

Quadrangle:

WOLF SUMMIT 7.5'

District:

TENMILE

County: HARRISON

RECEIVED

Latitude:

4,510 Feet south of

39 Deg 17 Min

30 Sec.

AUG 2 2 2012

Longitude:

5,610 Feet west of

80 Deg 27 Min 30 Sec.

	rgy, LLC			W\	A GEOLOGICA MORGANTON	L SURVEY
	D. Box 5519 na, WV 26105	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.	
Inspector: Tristan Jenkins		Size				
Date Permit Issued:	17-Mar-11	0.5/9"	5/8" 323	323	199 SKS	
Date Well Work Commenced:	16-Jun-11	93/8				
Date Well Work Completed:	8-Sep-11	7"	419	419	100 SKS	
Verbal Plugging:			417			
Date Permission Granted On:						
Rotary X Cable	Rig]				
Total vertical Depth (ft):	2810				,	
Total Measured Depth (ft):	2810			2732	150 SKS	
Fresh Water Depth (ft):	none	4 ½"	2732			
Salt Water Depth (ft):	none					
Is Coal being mined in ares (Y	7/N)? no					
Coal Depths (ft): 293-3						
Void(s) encountered (Y/N) dej 293-30						
			·			

OPEN FLOW DATA

* Water Injection Well

Producing formation	Fifth Sand	Pay zone dept	h (ft) 2638-2654		
Gas: Initial open flow	* MCF/d	Oil: Initial open flow	* Bbl/d		
Final open flow	* MCF/d	Final open flow	* Bbl/d		
Time of open flow bet	ween initial and final	tests *	Hours		
Static rock pressure	* psig (sur	face pressure) aft	er * Hours	3	
Second producing formation Pay zone depth (ft)					
Gas: Initial open flow	MCF/d	Oil: Initial open flow	Bbl/d		
Final open flow	MCF/d	Final open flow	Bbl/d		
Time of open flow bet	ween initial and final	tests	Hours		
Static rock pressure	psig (sur	face pressure) aft	er Hours	3	

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.

Were core samples taken?

No

Were cuttings caught during drilling? No

Were Y

Electrica

N Me

Mechanical, _

N or Geophysical logs recorded on this well?

Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Treatment:

Perforated Fifth Sand from 2636' -2646' & 2648'-2653.5' ($4\ SPF$). Treated w/ 300 gals 15% HCl, 181 bbl gelled water, and 2100 lbs 20/40 sand.

Well Log:

All depths are measured relative to KB (8' AGL).

Shale w/ sand streaks	0		293
	293	-	305
Coal	305	-	483
Shale		-	403 496
Sand	483		
shale	496	-	600
sand	600	-	620
shale	620	-	832
sand	832	-	870
shale	870	-	1007
sand	1007	-	1096
shale	1096	-	1170
sand	1170	-	1186
shale	1186	-	1314
sand	1314	-	1320
shale	1320	-	1446
sand	1446	-	1480
shale	1480	-	1662
Big Lime	1662	-	1727
Big Linjun	1727	-	1807
shale	1807	_	2230
sand	2230	-	2234
shale	2234	_	2330
sand	2330	-	2347
sand & shale	2347	_	2490
shale	2490	-	2678
Fifth Sand	2678	-	2654
shale	2654	_	2812

T.D. -Logger

2812 KB

T.D. -Driller

2810 KB