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:	JULY 22, 2013	
API#:	047-035-03010	

COCATION: 740		ll No.:5		
ATION: Elevation: 749'	Quadrangle:	LIVERPOOL 7.5	•	<u></u>
District: RAVENSWOOD	County: JACI	KSON		
Latitude: 10440 Feet South of 38 Deg.		n. <u> </u>	sc.	 .
Longitude 9760 Feet West of 81 Deg.	Mir	nSe	c.	
Company: PETRO HOLDINGS, INC.				
Address: P.O. BOX 987	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
SPENCER, WV 25276	9 5/8"	680'	680'	CTS
Agent: KEITH CRIHFIELD				
Inspector: JAMIE STEVENS	7"	2068'	2068'	222
Date Permit Issued: 08/31/2012				
Date Well Work Commenced: 09/20/2012	4 1/2"	2476'	2476'	83
Date Well Work Completed: 12/12/2012				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary Cable Rig				
Total Vertical Depth (ft): 2502'				
Total Measured Depth (ft): 2502'				
Fresh Water Depth (ft.): DAMP 520'				
Salt Water Depth (ft.): 1730'				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): N/A				
		<u> </u>		
Void(s) encountered (N/Y) Depth(s) N/A PEN FLOW DATA (If more than two producing formation	ons please inclu	ide additional (lata on separate s	heet)
Producing formation BEREA Pay 2	one depth (ft)	2364' - 2372'	•	,
Gas: Initial open flow 0 MCF/d Oil: Initial open fl				
Final open flow 0 MCF/d Final open flow		ol/d		
Time of open flow between initial and final tests 1 Static rock Pressure 85 psig (surface pressure) af	68 Hours	re -		
	-	"" H	Receive	24
Second producing formation N/A Pay zon			90186	JU
Gas: Initial open flow MCF/d Oil: Initial open fl	.owB	bl/d	All. 1 / 000	
Final open flow MCF/d Final open flow	/BI	ol/d . ′	14 SI	;
Time of open flow between initial and final tests Static rock Pressure psig (surface pressure) af	Hours	•	ffice of Oil and Gas	

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.

Date 09/13/2013

35-0301D

Were core samples taken? Yes	No_X Were cuttin	ngs caught during drilling? YesNoX
Were Electrical, Mechanical or Geophys COMPENSATED DENSITY, TEMPERATURE, INDUCT	ical logs recorded on this	OPEN HOLE CAMMA BAY MEUTEON
NOTE: IN THE AREA BELOW FRACTURING OR STIMULATING	PUT THE FOLLOWING: 1). D , PHYSICAL CHANGE, ETC. 2). T	DETAILS OF PERFORATED INTERVALS, HE WELL LOG WHICH IS A SYSTEMATIC
Perforated Intervals, Fracturing, or Stimu	lating:	
PERFORATE 2371' - 2375' (PER C	ASED HOLF LOGU(24 HOLFS)	AND STIMULATE WITH 500 GALLONS OF
15% HCI ACID 317 MSCF OF N2	. 175 BBLS OF WATER AND 3	37 200 LBS OF 20/40 SAND
	, , , , , , , , , , , , , , , , , , , ,	71,200 EBG OT 20/40 SAIND
Plug Back Details Including Plug Type ar	nd Depth(s): N/A	
Formations Encountered: Surface:	Top Depth	/ Bottom Depth
99.11100.		
REDROCK	0	20
SHALE	20	30
REDROCK	30	40
SHALE	40	160
REDROCK	160	170
SHALE	170	340
SAND	340	360
SHALE	360	520
SAND	520	540
SHALE	540	630
SAND	630	Received
REDROCK/SHALE	670	950
SAND	950	A0095 4 207
SHALE	995	1020
SAND	1020	Offide0x4.0ll and Gas
		WV Dept. of Environmental Protection

CONTINUED		35,03010
Formations Encountered:	Top Depth /	35-03010 Bottom Depth
Surface:		Bottom Depth
SHALE	1040	1130
SAND	1130	1140
SHALE	1140	1430
SAND	1430	1537
SHALE	1537	1600
SAND	1600	1646
SHALE	1646	1693
LIME ,	1693	1802
SHALE	1802	1810
LIME	1810	1920
SHALE S S	1920	1934
SAND .	1934	1980
SHALE	1980	2364
SAND	2364	2372
SHALE	2372	2502

Received

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Office of Oil and Gas WV Dept. of Environmental Protection