

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: Hart Operator Well No. : Two (2)

LOCATION: Elevation: 1069 Quadrangle: New Milton 7.5  
District: Central County: Doddridge  
Latitude: 39.26228 Feet South of 39 Deg. 16 Min. 44.2 Sec.  
Longitude: 80.67354 Feet West of 80 Deg. 52 Min. 24.7 Sec.

Company:	KEY OIL COMPANY 22 GARTON PLAZA WESTON, WV 26452	Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu Ft
Agent:	Jan E. Chapman				
Inspector:	Dave Scranage	11"	32'	Pulled	N/A
Permit Issued:	3-04-11				
Well Work Commenced:	9-27-11	9-5/8"	466'	466'	170 ska. CTS
Well Work Completed:	10-03-11				
Verbal Plugging	N/A	7"	2072'	2072'	400 ska. CTS
Permission granted on:	8-15-11				
Rotary X Cable Rig		4-1/2"	5445'	5445'	300 ska. ETOC 1200'
Total Depth ( feet )	5495'				
Fresh water depths ( ft )	215' & 300'				
Salt water depths ( ft )	1295'				
Is coal being mined in area ( Y / N )?	No				
Coal Depths ( ft ):	None				

OPEN FLOW DATA	Alexander	5261-5278
	Benson & Riley	4803-4981
	Balltown	4326-4684
	Speechny	3850-4000
Producing formation	Warren	Pay zone depth ( ft ) 3432-3465

Gas: Initial open flow	98	MCF / D	Oil: Initial open flow	Show	Bbl / D
Final open flow	750	MCF / D	Oil: Final open flow	Show	Bbl / D
Time of open flow between initial and final tests			24		Hours
Static rock pressure	1160	psig ( surface pressure )	after	24	Hours

All Formations Comingled.

Second producing formation		Pay zone depth ( ft )	
Gas: Initial open flow	MCF / D	Oil: Initial open flow	Bbl / D
Final open flow	MCF / D	Oil: Final open flow	Bbl / D
Time of open flow between initial and final tests			Hours
Static rock pressure	psig ( surface pressure )	after	Hours

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 GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: KEY OIL COMPANY

By: *Jan Chapman*

PRESIDENT

Date: October 17, 2011

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Hart #2 (47-017-05972)

**TREATMENT:**

Alexander	(21 holes) 5261-5276	sand, water and N2: 30,600# 20/40 sand, 396,000 SCF N2 182 bbls. water
Benson & Riley	(20 holes) 4803-4981	sand, water and N2: 13,100# 20/40 sand, 440,000 SCF N2 158 bbls. water
Balltown	(22 holes) 4326-4584	sand, water and N2: 35,500# 20/40 sand, 389,000 SCF N2 215 bbls. water
Speechly	(20 holes) 3850-4000	sand, water and N2: 35,600# 20/40 sand, 360,000 SCF N2 212 bbls. water
Warren	(21 holes) 3432-3465	sand, water and N2: 39,000# 20/40 sand, 330,000 SCF N2 222 bbls. water

**FORMATIONS:**

Sand & Shale	0'	2000'
Little Lime	2000'	2040'
Big Lime	2040'	2140'
Injun	2140'	2185'
Sand & Shale	2185'	2340'
Weir	2340'	2390'
Sand	2390'	2450'
Gantz	2450'	2460'
Shale	2460'	2930'
Gordon	2930'	2940'
Shale	2940'	3430'
Warren	3430'	3470'
Sand	3470'	3850'
Speechly	3850'	4000'
Shale	4000'	4325'
Balltown	4325'	4600'
Shale	4600'	4800'
Riley	4800'	4910'
Sand	4910'	4970'
Benson	4970'	4985'
Shale	4985'	5260'
Alexander	5260'	5280'
Shale	5280'	5495'
TD		5495'