

WR-35  
 Rev (5-01)  
 Page 2 of 2

WELL: 31024

Were core samples taken? Yes \_\_\_ No X      Were cuttings caught during drilling? Yes \_\_\_ No X  
 Were      Electrical ,      Mechanical , X      or Geophysical logs recorded on this well?

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.

**PERFORATED INTERVALS, FRACTURING, OR STIMULATING:**

10/27/2010 SUPERIOR RAN BOND LOG. TD - 4843'. TOC - 1520'. PERFERD FIRST STAGE  
 ANGOLA, 4040'-4656', 35 HOLES. WELL READY FRAC.  
 10/28/2010 SUPERIOR PERFERD AND FRACED AS FOLLOWS:  
 ANGOLA/JAVA SHALE, 4040'-4656', 35 HOLES, BD 2612#, AVG PRESS 3743',  
 750 MSCFN2  
 LOWER HURON, 3528'-3808', 39 HOLES, BD 3000#, AVG PRESS 3228',  
 750 MSCFN2,  
 UPPER HURON, 2878'-3228', 30 HOLES, BD 2515#, AVG PRESS 2848#, 850 MSCFN2  
 UPPER HURON, 1998'-2680', 40 HOLES, BD 2550#, AVG PRESS 2357#, 775 MSCFN2  
 B&B FLOWED WELL BACK AFTER FRAC.

**FORMATIONS ENCOUNTERED:**

Fill	0	26	Sand&Shale	26	65
RedRock	65	78	Sand&Shale	78	157
Sand & Shell	157	200	RedRock/Shale	200	240
Shell & Sand	240	297	RedRock/Shell	297	324
Shale	324	620	Sand	620	632
Shale	632	690	RedRock/Shale	690	780
Sand	780	796	Sand/Shale	796	1089
RedRock&Shale	1089	1165	Sand&Shale	1165	1231
Coal	1231	1233	Sand/Shale	1233	1390
RedRock/Shale	1390	1425	Shell/Sand	1425	1540
Sand&Shell	1540				

<b>GAMMA RAY/ FORMATION</b>			
#31024	<b>TOPS</b>		47-107-01704
	<b>TOP</b>	<b>BASE</b>	
BIG LIME	1615	1690	
BIG INJUN	1695	1775	
COFFEE SHALE	2130	2175	
LOWER HURON	3485	4500	
JAVA SHALE	4500	4750	
PIPE CREEK SHALE	4750	4785	
ANGOLA SHALE	4785	5010	
LTD		5058	