

WELL LOGS

K Z

API number:	30-025-40390		
OGRID:		Operator:	COG OPERATING LLC
		Property:	REDHEAD 31 FEDERAL # 1H

surface	ULSTR:	D	31	T	24S	R	32E
			330	FNL	990	FWL	

BH Loc	ULSTR:	M	31	T	24S	R	32E
			382	FSL	989	FWL	

Ground Level:	3514	DF:	3530	KB:	3531		
Datum:	KB			MD:	14760	TVD:	10467

	Completion Date: (1)	4/2/2013
	Date Logs Received:	4/23/2013
	Date C105 Received:	4/23/2013
	Date Logs/C105 Due in: (2)	4/22/2013

Land: STATE

Confidential:	NO			Date out:		
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Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	190	11040	Spectral Density Dual Spaced Neutron
DLL/MGRD	4517	11089	Dual Laterolog Micro Guard Log

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OCD TOPS

Rustler	673	Penn			
		Cisco			
		Canyon			
		Strawn			
		Atoka			
Delaware	4506	Morrow			
Delaware Lm	4506	Barnett Sh			
Delaware Sd	4520	Miss Lime			
Bell Canyon					
Cherry Canyon					
Brushy Canyon					
Bone Spring	8394				
1st Sd	9506				
2nd Carb	9707				
2nd Sd	10665				
3rd Carb	10613				
3rd Sd	10830				
Wolfcamp					

MAY 02 2013