

WELL LOGS

K Z

API number:	30-025-40436		
OGRID:		Operator:	CIMAREX ENERGY CO of COLORADO
		Property:	HALLERTAU 5 FEDERAL # 1H

surface	ULSTR:	P	05	T 26S	R 32E
			330	FSL	330
				FEL	

BH Loc	ULSTR:	A	05	T 26S	R 32E
			272	FNL	676
				FEL	

Ground Level:	3253	DF:	3281	KB:	3282		
Datum:	KB			MD:	15091	TVD:	10542

Land: **FEDERAL**

Completion Date: (1) **4/14/2013**
 Date Logs Received: **9/9/2013**
 Date C105 Received: **9/9/2013**
 Date Logs/C105 Due in: (2) **8/4/2013**

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	11052	Spectral Density Dual Spaced Neutron
DLL/MGRD	4422	11084	Dual Laterolog Micro Guard Log

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OCD TOPS

Rustler	1040	Penn			
		Cisco			
		Canyon			
		Strawn			
		Atoka			
Delaware	4440	Morrow			
Delaware Lm	4440	Barnett Sh			
Delaware Sd	4497	Miss Lime			
Bell Canyon	4440				
Cherry Canyon					
Brushy Canyon					
Bone Spring	8515				
1st Sd	9467				
2nd Carb	9630				
2nd Sd	10130				
3rd Carb	10530				
3rd Sd					
Wolfcamp					

OCT 03 2013