

# WELL LOGS

K z

API number:	<b>30-025-41069</b>		
OGRID:	Operator:	<b>CIMAREX ENERGY CO of COLORADO</b>	
	Property:	<b>HALLERTAU 4 FEDERAL</b>	<b># 1H</b>

surface	ULSTR: <b>D</b>	04	T 26S	R 32E
		330	FNL	560
			FWL	

BH Loc	ULSTR: <b>M</b>	04	T 26S	R 32E
		272	FSL	420
			FWL	

Ground Level:	3310	DF:	3337	KB:	3338	
Datum:	KB			MD:	13558	TVD: 9034

Land: <b>FEDERAL</b>	Completion Date: (1)	<b>5/17/2013</b>
	Date Logs Received:	<b>9/11/2013</b>
	Date C105 Received:	<b>9/11/2013</b>
	Date Logs/C105 Due in: (2)	<b>6/6/2013</b>

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		
<b>DSN/SDL</b>	<b>190</b>	<b>8544</b>	Spectral Density Dual Spaced Neutron
<b>ACRT</b>	<b>4530</b>	<b>8570</b>	Array Compensated True Resistivity

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## OCD TOPS

Rustler	1129	Penn			
		Cisco			
		Canyon			
		Strawn			
		Atoka			
Delaware	4540	Morrow			
Delaware Lm	4540	Barnett Sh			
Delaware Sd	4585	Miss Lime			
Bell Canyon	4540				
Cherry Canyon					
Brushy Canyon					
Bone Spring					
1st Sd					
2nd Carb					
2nd Sd					
3rd Carb					
3rd Sd					
Wolfcamp					

OCT 03 2013