

WELL LOGS

K Z

API number:	30-025-40477		
OGRID:		Operator:	CIMAREX ENERGY CO of COLORADO
		Property:	HALLERTA 4 FEDERAL # 8H

surface	ULSTR:	A	04	T	26S	R	32E
			330	FNL	510	FEL	

BH Loc	ULSTR:	P	04	T	26S	R	32E
			273	FSL	485	FEL	

Ground Level:	3312	DF:	3329	KB:	3330		
Datum:	KB			MD:	15202	TVD:	10720

Completion Date: (1) 9/15/2012

Date Logs Received: 12/20/2012

Date C105 Received: 12/20/2012

Date Logs/C105 Due in: (2) 10/5/2012

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	200	11144	Spectral Density Dual Spaced Neutron
DDL/MGRD	4528	11208	Dual Laterolog Micro Guard Log

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OCD TOPS

Rustler		Penn		
		Cisco		
		Canyon		
		Strawn		
		Atoka		
Delaware	4541	Morrow		
Delaware Lm	4541	Barnett Sh		
Delaware Sd	4564	Miss Lime		
Bell Canyon	4541			
Cherry Canyon				
Brushy Canyon				
Bone Spring	8622			
1st Sd	9595			
2nd Carb	9830			
2nd Sd	10238			
3rd Carb	10850			
3rd Sd				
Wolfcamp				