

WELL LOGS

API number:	30-025-37210		
OGRID:		Operator:	COG OPERATING LLC
		Property:	VALHALLA 4 FEDERAL COM # 1

surface	ULSTR:	D	4	T	19S	R	32E
			660	FNL	660	FWL	

BH Loc	ULSTR:	D	4	T	19S	R	32E
			660	FNL	660	FWL	

Ground Level:	3674	DF:	3693	KB:	3694
Datum:	KB			TD:	13096

Land: **STATE**

Completion Date: (1) **12/19/2005**

Date Logs Received: **1/19/2006**

Date Logs Due in: (2) **1/8/2006**

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		
TD LD CN/GR	200	13097	Three Detector Litho-Density
HRLA	4346	13075	High Resolution Laterolog

OCD TOPS

Rustler	1201	Strawn	11568		
Tansill		Atoka	11945		
Yates		Morrow	12232		
Queen	3840				
		Austin			
Delaware		Chester			
Delaware Lm		Miss Lime			
Delaware Sd	5533				
Bell Canyon					
Cherry Canyon					
Brushy Canyon					
Bone Spring	7107				
1st Sd	8496				
2nd Carb	8737				
2nd Sd	9254				
3rd Carb	9512				
3rd Sd	9955				
Wolfcamp	10190				