

WELL LOGS

K Z

API number:	30-005-29049		
OGRID:		Operator:	COG OPERATING, LLC
		Property:	HERCULES FEDERAL COM # 2

surface	ULSTR:	D	15	T	15S	R	31E
			660	FNL		430	FEL

BH Loc	ULSTR:	A	15	T	15S	R	31E
			308	FNL		4130	FWL

Ground Level:	4407	DF:	4425	KB:	4426		
Datum:	KB			MD:	13106	TVD:	8805

Land: **FEDERAL**

Completion Date: (1)	7/8/2010	
Date Logs Received:	8/30/2010	***LATE***
Date C105 Received:	8/30/2010	***LATE***
Date Logs/C105 Due in: (2)	7/28/2010	

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	12585	Three Detector Litho-Density
HRLA	8032	8999	High Resolution Laterolog
BHC			Borehole Compensated Sonic
			Mechanical Sidewall Coring Tool
			Formation Micro Imager
			Hostile Natural Gamma Ray Spectroscopy
CBL			

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OCD TOPS

Rustler	1379	Strawn			
Tansill		Atoka			
Yates	2404	Morrow			
7 rvs	2648				
T. Bowers Sd	2980	Austin			
B. Bowers Sd	3060	Chester			
Queen	3214	Miss Lime			
Penrose		Woodford			
Grayburg	3612	Devonian			
San Andres	4022	Silurian			
Glorieta	5352	Fussleman			
Yeso	5422	Montoya			
Blinbry		Simpson			
Tubb	6728	Mckee			
Lower Yeso	7002	Ellenburger			
Abo	7429	Granite Wash			
Wolfcamp	8797	preCambrian			