

WELL LOGS

K z

API number:	30-005-29050	
OGRID:		Operator: COG OPERATING LLC
		Property: HERCULES FEDERAL COM # 3H

surface	ULSTR: L	15	T 15S	R 31E
		1980 FSL	430 FWL	

BH Loc	ULSTR: I	15	T 15S	R 31E
		2028 FSL	334 FEL	

Ground Level:	4400	DF:	4417	KB:	4418	
Datum:	KB			MD:	13083	TVD: 8782

Land: FEDERAL	Completion Date: (1)	2/8/2012	
	Date Logs Received:	3/2/2012	***LATE***
	Date C105 Received:	3/2/2012	***LATE***
	Date Logs/C105 Due in: (2)	2/28/2012	

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	7990	Three Detector Litho-Density
HRLA	4022	8008	High Resolution Laterolog
BHC	4198	12518	Borehole Compensated Sonic
	11658	12244	Mechanical Sidewall Coring Tool
	11630	12430	Formation Micro Imager
			Hostile Natural Gamma Ray Spectroscopy
CBL			

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OCD TOPS

Rustler	1373	Strawn		
Tansill		Atoka		
Yates	2410	Morrow		
7 rvs	2658			
T. Bowers Sd	2989	Austin		
B. Bowers Sd	3063	Chester		
Queen	3227	Miss Lime		
Penrose		Woodford		
Grayburg	3625	Devonian		
San Andres	3982	Silurian		
Glorieta	5492	Fussleman		
Yeso	5546	Montoya		
Blinbry		Simpson		
Tubb	6740	Mckee		
Lower Yeso	7045	Ellenburger		
Abo	7443	Granite Wash		
Wolfcamp		preCambrian		

MAR 27 2012