

WELL LOGS

K_Z

API number:	30-025-40153		
OGRID:		Operator:	COG OPERATING, LLC
		Property:	MC FEDERAL # 58

surface	ULSTR:	D	22	T	17S	R	32E
			990	FNL	330	FWL	

BH Loc	ULSTR:	D	22	T	17S	R	32E
			990	FNL	330	FWL	

Ground Level:	4008	DF:	4027	KB:	4028	
Datum:	KB			TD:	7109	

Land: **FEDERAL**

Completion Date: (1)	9/17/2011
Date Logs Received:	11/21/2011
Date C105 Received:	11/21/2011
Date Logs/C105 Due in: (2)	10/7/2011

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	4198	12585	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			

K_Z

OCD TOPS

Rustler	826	Strawn		
Tansill		Atoka		
Yates	2138	Morrow		
7 rvs	2492			
T. Bowers Sd	2842	Austin		
B. Bowers Sd	2918	Chester		
Queen	3094	Miss Lime		
Penrose		Woodford		
Grayburg	3477	Devonian		
San Andres	3870	Silurian		
Glorieta	5373	Fussleman		
Yeso	5455	Montoya		
Blinbry		Simpson		
Tubb	6847	Mckee		
Drinkard		Ellenburger		
Abo		Granite Wash		
Wolfcamp		preCambrian		