

WELL LOGS

K Z

API number:	30-025-38740		
OGRID:		Operator:	COG OPERATING LLC
		Property:	MC FEDERAL # 19

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

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

Ground Level:	4009	DF:	4020	KB:	4021	
Datum:	KB			TD:	6952	

Land:	FEDERAL	Completion Date: (1)	2/16/2009	
		Date Logs Received:	3/10/2009	***Late***
		Date Logs Due in: (2)	3/8/2009	

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		
CNL	100	6885	Compensated Neutron Log

K Z

OCD TOPS

Rustler	826	Strawn			
Tansill		Atoka			
Yates	2137	Morrow			
7 rvs	2490				
	2840	Austin			
	2917	Chester			
Queen	3092	Miss Lime			
Penrose	3264				
Grayburg	3476				
San Andres	3870				
Glorieta	5365				
Paddock	5446				
Blinbry					
Tubb					
Drinkard					
Abo					
Wolfcamp					

RECEIVED

MAR 10 2009

HOBBSOCD

OPERATOR COG Operating

WELL/LEASE M C Fed 19

D-22-175-32e

COUNTY Lea

990/N & 990/W

STATE OF NEW MEXICO
DEVIATION REPORT

30-025-3840

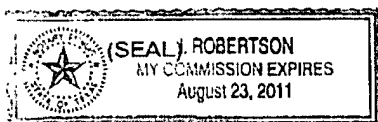
266	0.75
529	1.00
836	0.50
1090	0.25
1343	1.00
1596	0.75
1849	0.75
2163	0.50
2406	0.50
2643	0.75
2913	0.50
3168	0.50
3422	0.50
3676	0.50
3906	0.75
4184	0.50
4436	0.50
4691	0.50
4976	0.50
5229	0.50
5484	0.50
5736	0.50
6022	0.50
6274	0.50
6528	0.50
6784	0.50

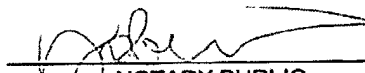
SIGNED BY:


STEVE MCCOY, VP-DRILLING

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 6th DAY OF March, 2009, BEFORE ME, J ROBERTSON, A NOTARY
PUBLIC, PERSONALLY APPEARED DAVID SLEDGE, WHO ACKNOWLEDGED AND EXECUTED
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.




NOTARY PUBLIC