

WELL LOGS

K Z

API number:	30-025-38742		
OGRID:		Operator:	COG OPERATING, LLC
		Property:	BC FEDERAL # 23

surface	ULSTR:	H	19	T	17S	R	32E
			2230	FNL	330	FEL	

BH Loc	ULSTR:	H	19	T	17S	R	32E
			2230	FNL	330	FEL	

Ground Level:	3955	DF:	3966	KB:	3967	
Datum:	KB			TD:	6944	

Land: **FEDERAL**

Completion Date: (1) **11/7/2008**

Date Logs Received: **12/16/2008**

Date Logs Due in: (2) **11/27/2008**

LATE

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	6941	Three Detector Litho-Density
HRLA	2190	6941	High Resolution Laterolog

K Z

OCD TOPS

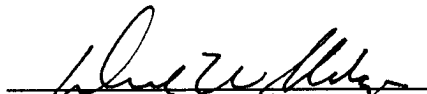
Rustler	642	Strawn		
Tansill		Atoka		
Yates	1987	Morrow		
7 rvrs	2354			
		Austin		
		Chester		
Queen	2970	Miss Lime		
Penrose				
Grayburg	3348			
San Andres	3720			
Glorieta	5189			
Yeso	5302			
Blinebry				
Tubb	6780			
Drinkard				
Abo				
Wolfcamp				

OPERATOR COG 30-025-38742
WELL/LEASE BC Fed 23 H-19-12-32 e
COUNTY Lea 2230/N & 330/E

STATE OF NEW MEXICO
DEVIATION REPORT

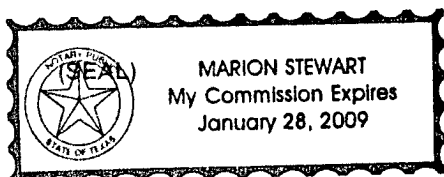
267	0.50
507	0.75
618	0.75
963	0.75
1277	0.75
1626	1.00
1918	1.25
2167	1.00
2388	0.50
2746	0.50
3023	0.50
3380	0.50
3697	0.50
4004	0.50
4321	0.50
4648	0.50
4964	0.50
5281	0.50
5598	0.50
5906	0.50
6233	0.50
6510	0.50
6886	0.50

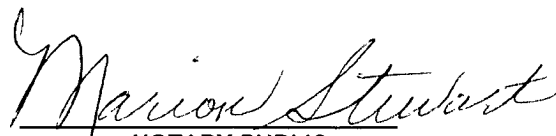
SIGNED BY:


DAVID SLEDGE, VP-DRILLING

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 30 DAY OF October, 2008, 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

