

Keltic Services, Inc
Box 1857
Artesia, NM
88211

NOV 13 2007
OCD-ARTESIA

505 748 3759

30-015-35788

Temperature Survey

Company	MARBOB ENERGY	Date	11/07/07
Well	PIPER FEDERAL #1	Time Plug Down	1600 hrs
		Time Start Survey	1230 hrs
		Time End Survey	1450 hrs
Casing String	LONG STRING	Depth Reached	5000 ft

Cement Top 3000 ft.

Gauge 205

Operator: Julian

Witness: RICK ALVARADO

Keltic Services Inc
Temperature Survey

Company MARBOB ENERGY
Well PIPER FEDERAL #1

Date 11/7/07
Plug Down 1600 hrs
Survey Start 1230 hrs
Operator Julian

Cement Top 3000 ft

Depth ft	Temp. °F	Comments
100	82.8	
1000	83.8	
2000	84.4	
2200	84.9	
2400	85.3	
2600	85.8	
2800	86.2	
3000	86.9	CT
3200	90.8	
3400	92.7	
3600	94.7	
3800	96.9	
4000	98.3	
5000	100.5	

