

WELL NAME & NUMBER Marcum #1LOCATION Sec 15, T-23-S, R-28-E
(Give Unit, Section, Township and Range)OPERATOR Bird Creek Resources 810 S. Cincinnati. Ste. 100 Tulsa OK 74115DRILLING CONTRACTOR Grace Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
.50 288	1.00 5843		
.75 694			
.25 843			
1.00 1307			
2.00 1613			
1.00 1919			
.50 2135			
1.75 2441			
1.75 2535			
2.00 3028			
.25 3519			
1.00 3971			
.50 4473			
.50 4962			
.75 5453			

Drilling Contractor Grace Drilling CompanyBy Charles N. NunnSubscribed and sworn to before me this 4 day of January, 19 91

Karen S. Hamilton
Notary Public

My Commission Expires 11/19/94Ector County Texas