

RECEIVED

WELL NAME & NUMBER Chaves #1LOCATION Sec 15, T-23-S, R-28-E
(Give Unit, Section, Township and Range)

OCT 23 '90

OPERATOR Bird Creek ResourcesO. C. D.
ARTESIA OFFICEDRILLING 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 |
|-----------------|-----------------|-----------------|-----------------|
| 1° 492 | .75° 3400 | | |
| 1.75° 911 | .50° 3560 | | |
| 1° 1000 | .75° 3895 | | |
| 1° 1124 | .75° 4500 | | |
| 1.75° 1302 | 1° 4966 | | |
| 1.75° 1519 | 1° 5454 | | |
| 1.75° 1670 | 1° 5950 | | |
| 1.75° 1829 | 1° 6210 | | |
| 2.75° 2071 | | | |
| 3.50° 2261 | | | |
| 3.50° 2388 | | | |
| 3.25° 2603 | | | |
| 2.75° 2779 | | | |
| 2.25° 2903 | | | |
| .75° 3123 | | | |

Drilling Contractor Grace Drilling CompanyBy Jackie HarteSubscribed and sworn to before me this 18 day of October, 19 90Delva Wadde
Notary PublicMy Commission Expires 10-1-91Ector County Texas