

CONFIDENTIAL

WELL NAME & NUMBER Federal 23-#2

LOCATION Sec. 23, T22S, R31E Eddy Co., NM
(Give Unit, Section, Township and Range)

OPERATOR Pogo Producing P.O. Box 10340 Midland, TX 79702

DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480 Odessa, TX 79768

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:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
<u>.75 314</u>	<u>.25 5726</u>	<u> </u>	<u> </u>
<u>1.00 828</u>	<u>.25 6253</u>	<u> </u>	<u> </u>
<u>.75 1329</u>	<u>.75 6760</u>	<u> </u>	<u> </u>
<u>1.00 1800</u>	<u>.75 7008</u>	<u> </u>	<u> </u>
<u>1.00 2305</u>	<u>1.00 7482</u>	<u> </u>	<u> </u>
<u>.25 2525</u>	<u>1.00 8015</u>	<u> </u>	<u> </u>
<u>.50 2776</u>	<u>.75 8430</u>	<u> </u>	<u> </u>
<u>.50 3027</u>	<u> </u>	<u> </u>	<u> </u>
<u>.75 3245</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50 3495</u>	<u> </u>	<u> </u>	<u> </u>
<u>3.00 3746</u>	<u> </u>	<u> </u>	<u> </u>
<u>3.00 3965</u>	<u> </u>	<u> </u>	<u> </u>
<u>2.75 4279</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50 4749</u>	<u> </u>	<u> </u>	<u> </u>
<u>.50 5224</u>	<u> </u>	<u> </u>	<u> </u>

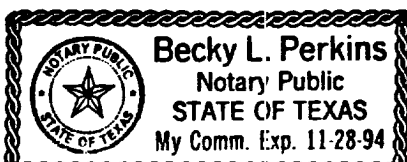
Drilling Contractor Grace Drilling Company

By L. V. Bohannon
L. V. Bohannon - Drlg. Supt.

Subscribed and sworn to before me this 17 day of April, 19 92

Becky L. Perkins
Notary Public
Ector County Texas

My Commission Expires 11/28/94



SEC 23 TWN 22s RGE 31eAPI # 30-015-26932OPERATOR Pogo Prod. Co.WELL NAME Fed. 23 #2STATE OCD TOPS AS PER Darrell Moore DATE 5/4/92

Southeastern New Mexico

T. Rustler <u>765</u>	T. Canyon
T. Salt <u>1150</u>	T. Strawn
B. Salt <u>4172</u>	T. Atoka
T. Yates	T. Miss
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinberry	T. Gr. Wash
T. Tubb	T. Delaware 8275 <u>4441</u>
T. Drinkard	T. Bone Springs <u>8275</u>
T. Abo	T.
T. Wolfcamp	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 3, from.....to.....
No. 2, from.....to.....	No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....	feet.....
No. 2, from.....to.....	feet.....
No. 3, from.....to.....	feet.....

REMARKS: