

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

FORM O-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address. Griffin Petroleum Company 550 W. Texas, Ste. 1240 Midland, Texas 79701		² OGRID Number 169495
		³ API Number 30 - 0 1526870
⁴ Property Code 23711	⁵ Property Name Willow Lake	⁶ Well No. # 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	22	24S	28E		990	North	1980	East	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
UND	Malaga								
⁹ Proposed Pool 1 (Delaware), East 96349					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3006'
¹⁶ Multiple NO	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date 3/22/99

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8"	48#	449'	450	Surface
12-1/4	9-5/8"	36#	2575'	1165	Surface
8-3/4	7"	29#	10463'	1060	Post ID-1
6"	4-1/2" liner	15.1#	10206'-11822'	296	3-26-99
					API + Loc

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Currently completed in Atoka from 11679'-11692'

- 1) Set CIBP @ 11,650'. Spot 5 sacks cement on top. (Min 35' cement)
- 2) Circulate hole w/mud laden 9 lb. brine.
- 3) Spot 25 sacks cement across liner top @ 10,206'.
- 4) Spot cement plugs from 9482'-9382', 7800'-7700', 6275'-6175'.
- 5) Squeeze cement behind 7" casing. Design to place cement 600' above top of completion zone.
- 6) Perforate Delaware from 4778'-4810'. Acidize. Frac.
- 7) Use 3000 psi BOP when pulling unit is on well.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Eric D. Griffin

Title:

Vice-President

Date:

3/17/99

Phone:

(915) 687-1042

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

3-22-99

Expiration Date:

3-22-00

Conditions of Approval:

Attached ☐