

District I

1625 N. French Dr., Hobbs, NM 88240

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 ResourcesOIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505Form C-101
Revised March 12, 1999Submit 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. David H. Arrington Oil & Gas, Inc. P.O. Box 2071 Midland, Texas 79702	² OGRID Number 005898
	³ API Number 30-025-34865

⁴ Property Code 25254	⁵ Property Name Mayfly "14" State	⁶ Well No. 4
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⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	16S	35E		1651	North	371	West	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	16S	35E		1907	South	629	West	Lea

⁹ Proposed Pool 1 Northwest Shoebar Strawn	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3987
¹⁶ Multiple No	¹⁷ Proposed Depth 11,650' TVD 12,900' MD	¹⁸ Formation Strawn	¹⁹ Contractor Patterson	²⁰ Spud Date February 1, 2000

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#	450'	450 sx	Circulate
11	8 5/8	32#	4800'	2100 sx	Circulate
7 7/8	5 1/2	17#	11,310'	600 sx	500' above upper most pay
4 3/4	Open hole	-			

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.

Set surface casing at 450'. Circulate cement to surface, set intermediate casing at 4800'. Cement. Install BOP's. Test casing to 1000 psi. Drill 7 7/8" hole to 11,650'. Log and DST Strawn and any prospective pays. If warranted, run 5 1/2 casing to ~11,310' (Top Strawn), drill lateral ~1500'.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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

Signature:

Printed name: David H. Arrington

Title: President

Date: January 13, 2000

Phone: (915) 682-6685

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY DAVID H. ARRINGTON
DISTRICT SUPERVISOR

Title:

Approval Date: JAN 21 2000 Expiration Date:

Conditions of Approval :
Attached ☐

CJP

