

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 PO Drawer DD, Artesia, NM 88211-0719
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 PO Box 2088
 Santa Fe, NM 87504-2088

Form C-101
 Revised February 10, 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. Arch Petroleum, Inc. 777 Taylor, Suite II-A Ft. Worth, TX 76102		² OGRID Number 000962
		³ API Number 30 - 025 - 20686
⁴ Property Code 14896	⁵ Property Name Bertie Whitmire	⁶ Well No. 9

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
H	8	20S	37E		1980	North	330	East	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
⁹ Proposed Pool 1 Eumont Y-SR-DW					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3549'
¹⁶ Multiple No	¹⁷ Proposed Depth	¹⁸ Formation Eumont	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

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 CIBP @ 3480' and cap with 25 sx. cmt.
 Perf csg. 3214, 3221, 3239, 3247, 3277, 3303, 3308, 3319, 3323, 3328, 3330, 3332, 3339, 3342, 3345, 3350, 3352, 3354, 3357, 3359, 3365, 3369, 3371, 3373, 3382, 3391, 3399, 3429, 3440, 3442, 3459, 3463, & 3465 with 2 JHPF. Acidize with 5000 gals of 15% NEFE HCL and 50 RCN ball sealers. Frac with 170,000 gals of 50 Quality CO2 40# Gel and 483,000# 12/20 Brady Sand.

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

Signature: *Linda Walker*

Printed name: Linda Walker

Title: Production Analyst

Date: 12/22/94 Phone: 915-685-1961

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: *[Signature]*

Approval Date: 12/23/94 Expiration Date:

Conditions of Approval:
 Attached