

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

Form C-101  
Revised October 18, 1994

Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

AMENDED REPORT

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

Operator Name and Address Arch Petroleum Inc. 300 North Marienfeld, Suite 600 Midland, Texas 79701		OGRID Number 000962
		API Number 30 - 0025-11570
Property Code 14912	Property Name Learcy McBuffington	Well No. 9

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
K	13	25S	37E		1650	1980	1980	West	Lea

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
					Proposed Pool 1 Langlie Mattix 7 Rvrs Queen GB				
					Proposed Pool 2				

Work Type Code P	Well Type Code O	Cable/Rotary	Lease Type Code P	Ground Level Elevation 3078
Multiple No	Proposed Depth 3300	Formation Queen	Contractor	Spud Date

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"	35 & 48#	419	450	Surface
12-1/4"	9-5/8"	32 & 36#	3449	1828	Surface
8-3/4"	7" & 7-5/8"	23 & 29#	7100	735	

<sup>22</sup>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.

It is proposed to:  
Spot 100' cement plug 6180 - 6280' and 100' cement plug 4940-5040'. Test csg to 500 psi.  
Run GR/CCL log 2300-4900'.  
Set CIBP @ 3300'. Test to 3000#.  
Perforate Queer, as directed by logs.  
Acidize w/1000 gallons 15% AS. Swab back load  
Frac formation and reverse load.  
Return well to production.

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

Signature: *Robin S. McCarley*  
Printed name: Robin S. McCarley  
Title: Production Tech.

OIL CONSERVATION DIVISION

Approved By: ORIGINAL SIGNED BY  
GARY WINK  
Title: FIELD REPRESENTATIVE

Approval Date: OCT 29 1999

Expiration Date:

WCM