

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street Artesia, NM 88210-1404
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-101C
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

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837 API Number 30-015-28880
Property Code 18721	Property Name Willow State	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	16	17S	31E		330	South	2280	East	Eddy

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
O	16	17S	31E		330	South	2280	East	Eddy

Proposed Pool 1 Henshaw, Wildcat Wolfcamp, S-E.	96520	Proposed Pool 2
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Work Type Code N Multiple No	Well Type Code O Proposed Depth 8800	Cable/Rotary R Formation Wolfcamp	Lease Type Code S Contractor Larue Drilling	Ground Level Elevation 3794 Spud Date 3/25/96
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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	300 350	Circ	Post ID-1
12 1/4	8 5/8	32	1800	Circ	3-22-96
7 7/8	5 1/2	17	8800	Sufficient to Circ	New hole + API

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.

Mack Energy Corporation proposes to drill a wolfcamp test to 8800'. Drill to 300', run 13 3/8 casing and cement. Drill to 1800', run 8 5/8" casing and cement. Drill to 8800 and test wolfcamp formation, if commercial, run 5 1/2" casing and cement. Put on Production.

*Note: On Production string, fluid caliber will be run, will figure cement with 25% excess, attempt to circ cement to surface.

RECEIVED

OIL CON. DIV.
DIST. 2

I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature <u>Robert C. Chase by CDC</u> Printed name: <u>Robert C. Chase</u> Title: <u>Field Supervisor</u> Date: <u>3/15/96</u>		OIL CONSERVATION DIVISION Approval by: ORIGINAL SIGNED BY TIM W. GUM Title: DISTRICT II SUPERVISOR Approval Date: <u>3-18-96</u> Expiration Date: <u>3-18-97</u> Conditions of Approval: Attached <input type="checkbox"/>	
Phone: <u>(505) 748-1288</u>			