

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-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

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837 API Number 30-015-29495
Property Code 018731	Property Name Willow State	Well No. 5

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	17S	31E		2310	South	330	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

Proposed Pool 1 Henshaw; Wolfcamp, Southeast	Proposed Pool 2 Fren Paddock (26770)
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Work Type Code N Multiple No	Well Type Code O Proposed Depth 8900	Cable/Rotary R Formation Wolfcamp	Lease Type Code S Contractor Norton Drilling	Ground Level Elevation 3831 Spud Date 4/21/97
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Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	32	600	Circ	
7 7/8	5 1/2	17	8900	Sufficient to Circ	

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 8900'. Drill to 600', run 8 5/8 casing and cement. Drill to 8900' and test Wolfcamp formation, if commercial will run 5 1/2" casing and cement. If in the event the wolfcamp is not productive we propose to set 5 1/2 casing at 5400' and complete in the paddock formation. Put on Production.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature: Robert C. Chase Printed name: Robert C. Chase Title: Vice President Date: 4/1/97		OIL CONSERVATION DIVISION Approval by: Jim W. Green Title: District Supervisor Approval Date: 4-10-97 Expiration Date: 4-10-98 Conditions of Approval: Attached ☐	
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DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		26770	Fren Paddock
Property Code	Property Name		Well Number
018731	WILLOW STATE		5
OGRID No.	Operator Name		Elevation
013837	MACK ENERGY CORPORATION		3858

Surface Location

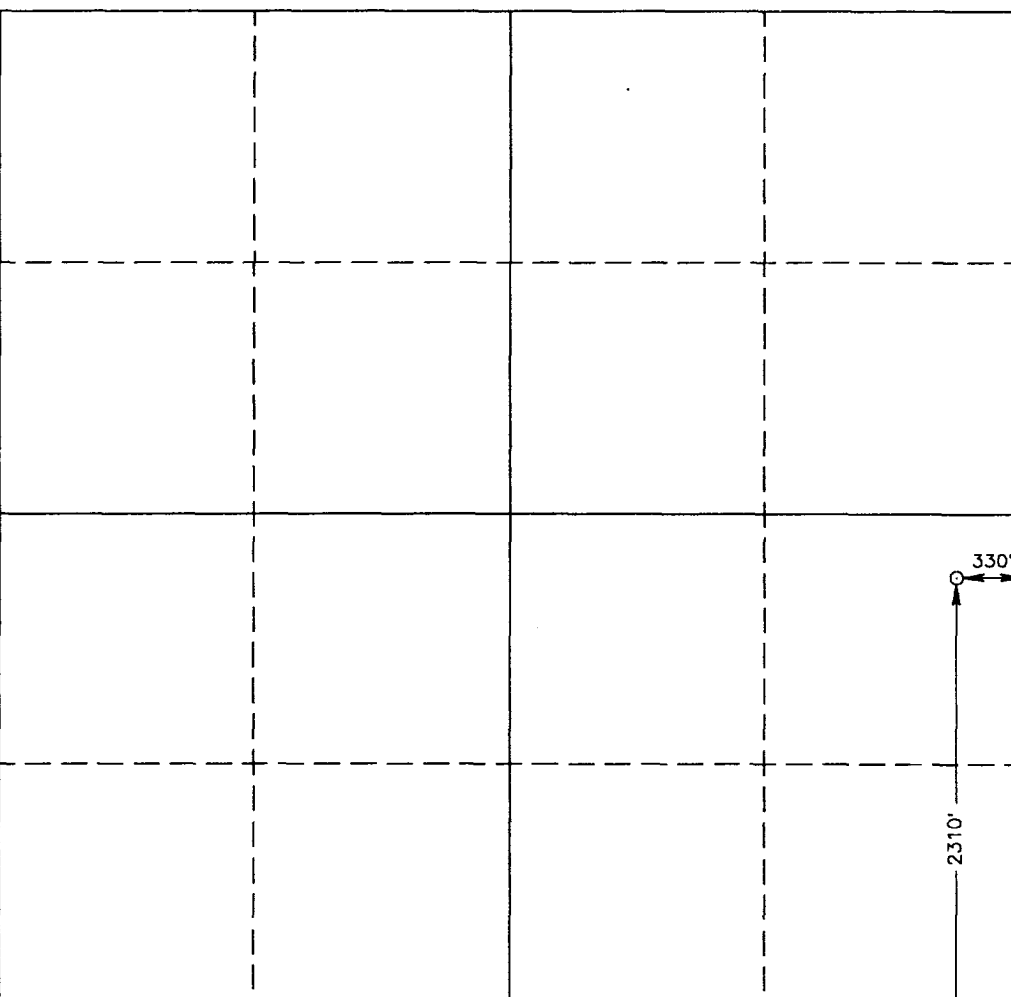
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	17 S	31 E		2310	SOUTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

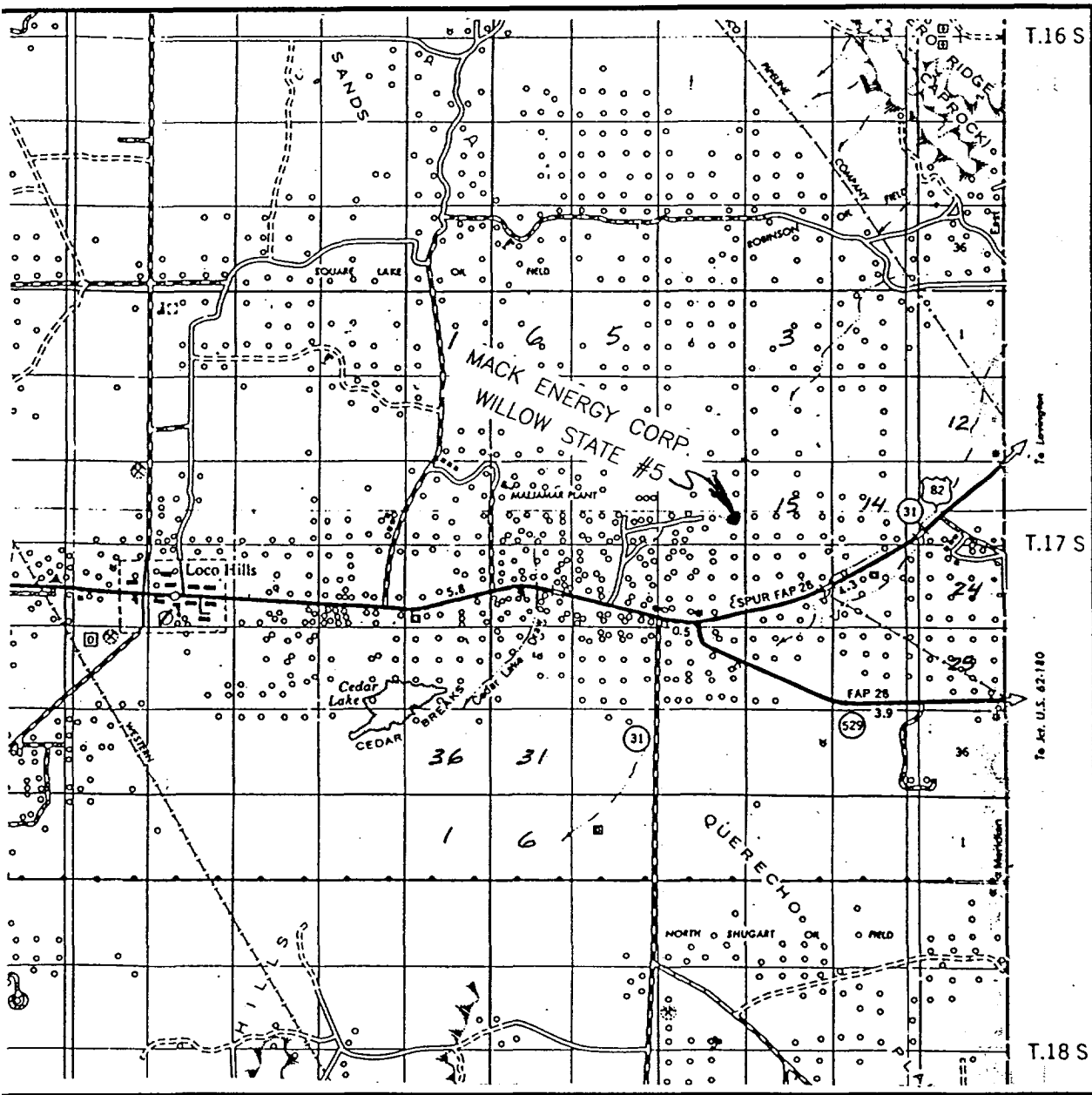
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Crissa D. Carter</u> Signature Crissa D. Carter Printed Name Production Clerk Title 4/1/97 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 3, 1997 Date Surveyed JLP Signature & Seal of Professional Surveyor <u>Ronald B. Eidson</u> W.O. Num. 97-130425 Certificate No. JOHN W. WEST, 676 RONALD B. EIDSON, 3239 CARP B. EIDSON, 12641

VICINITY MAP

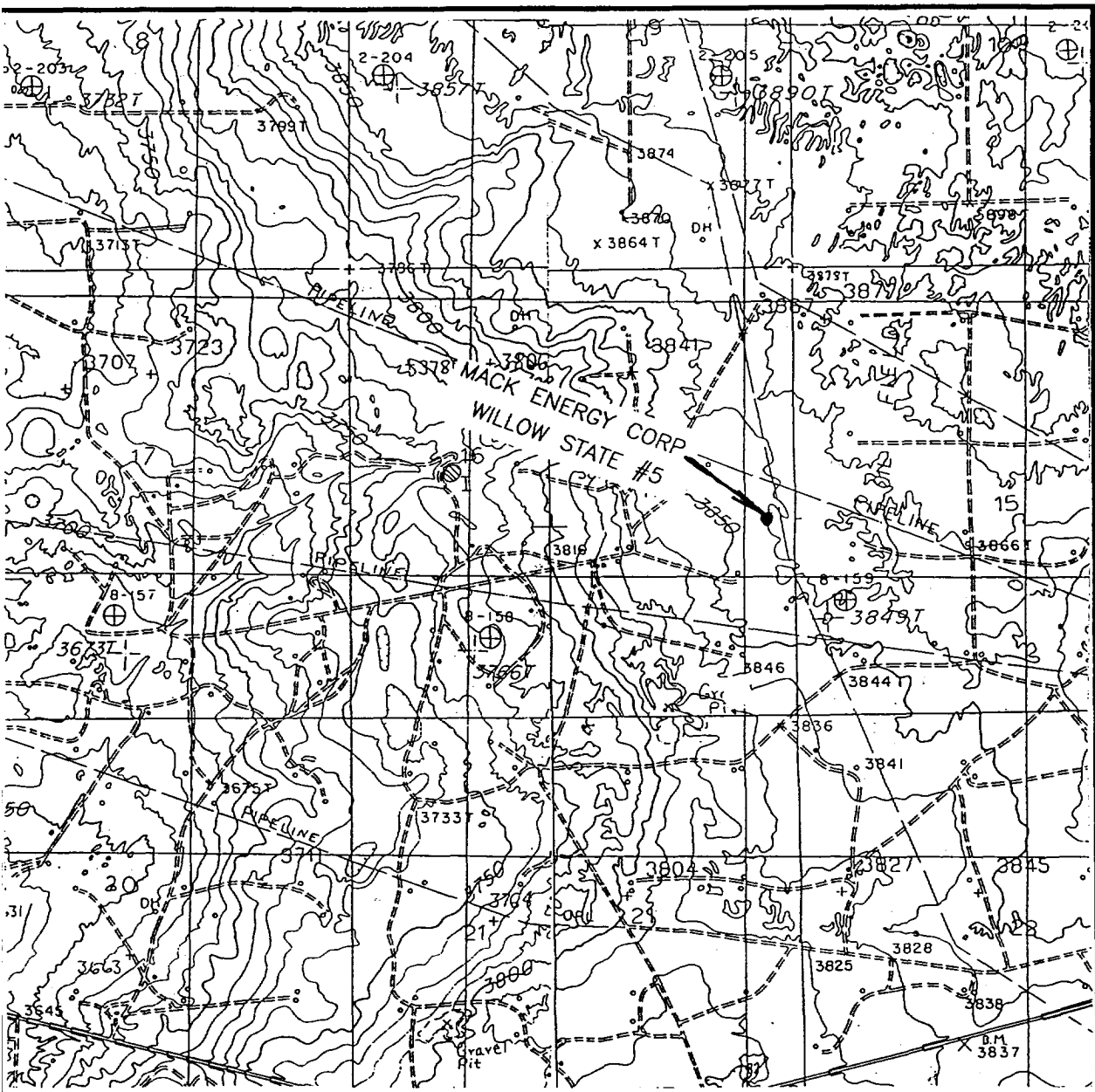


SCALE: 1" = 2 MILES

SEC. 16 TWP. 17-S RGE. 31-E
 SURVEY N.M.P.M.
 COUNTY EDDY
 DESCRIPTION 2310' FSL & 330' FEL
 ELEVATION 3846'
 OPERATOR MACK ENERGY CORP.
 LEASE WILLOW STATE

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
 (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL - 10'

SEC. 16 TWP. 17-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2310' FSL & 330' FEL

ELEVATION 3858'

OPERATOR MACK ENERGY CORP.

LEASE WILLOW STATE

U.S.G.S. TOPOGRAPHIC MAP

LOCO HILLS, & MALJAMAR, N.M.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117