

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-1018
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 30-015-29390
Property Code 018731	Property Name Willow State	Well No. 2

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		990	South	1650	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 Fren Paddock (26770)					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3831
Multiple No	Proposed Depth 5400	Formation Paddock	Contractor Larue Drilling	Spud Date 3/7/97

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	Circ	
12 1/4	8 5/8	32	1800	Circ	
7 7/8	5 1/2	17	5400	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 Paddock test to 5400'. Drill to 300', run 13 3/8 casing and cement. Drill to 1800', run 8 5/8" casing and cement. Drill to 5400' and test Paddock formation, if commercial will 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.

Posted FD-1
1/2 of API
2-21-97

I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature Crissa D. Carter		OIL CONSERVATION DIVISION Approval by: <i>Jim W. Baum</i> BGA Title: <i>District Supervisor</i>	
Printed name: Crissa D. Carter		Approval Date: 2-19-97 Expiration Date: 2-19-98	
Title: Production Clerk		Conditions of Approval: Attached ☐	
Date: 2-17-97	Phone: (505) 748-1288		

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-010-24390	Pool Code 26770	Pool Name Fren Paddock
Property Code 018731	Property Name WILLOW STATE	Well Number 2
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3831

Surface Location

UL or lot No. 0	Section 16	Township 17 S	Range 31 E	Lot Idn	Feet from the 990	North/South line SOUTH	Feet from the 1650	East/West line EAST	County EDDY
--------------------	---------------	------------------	---------------	---------	----------------------	---------------------------	-----------------------	------------------------	----------------

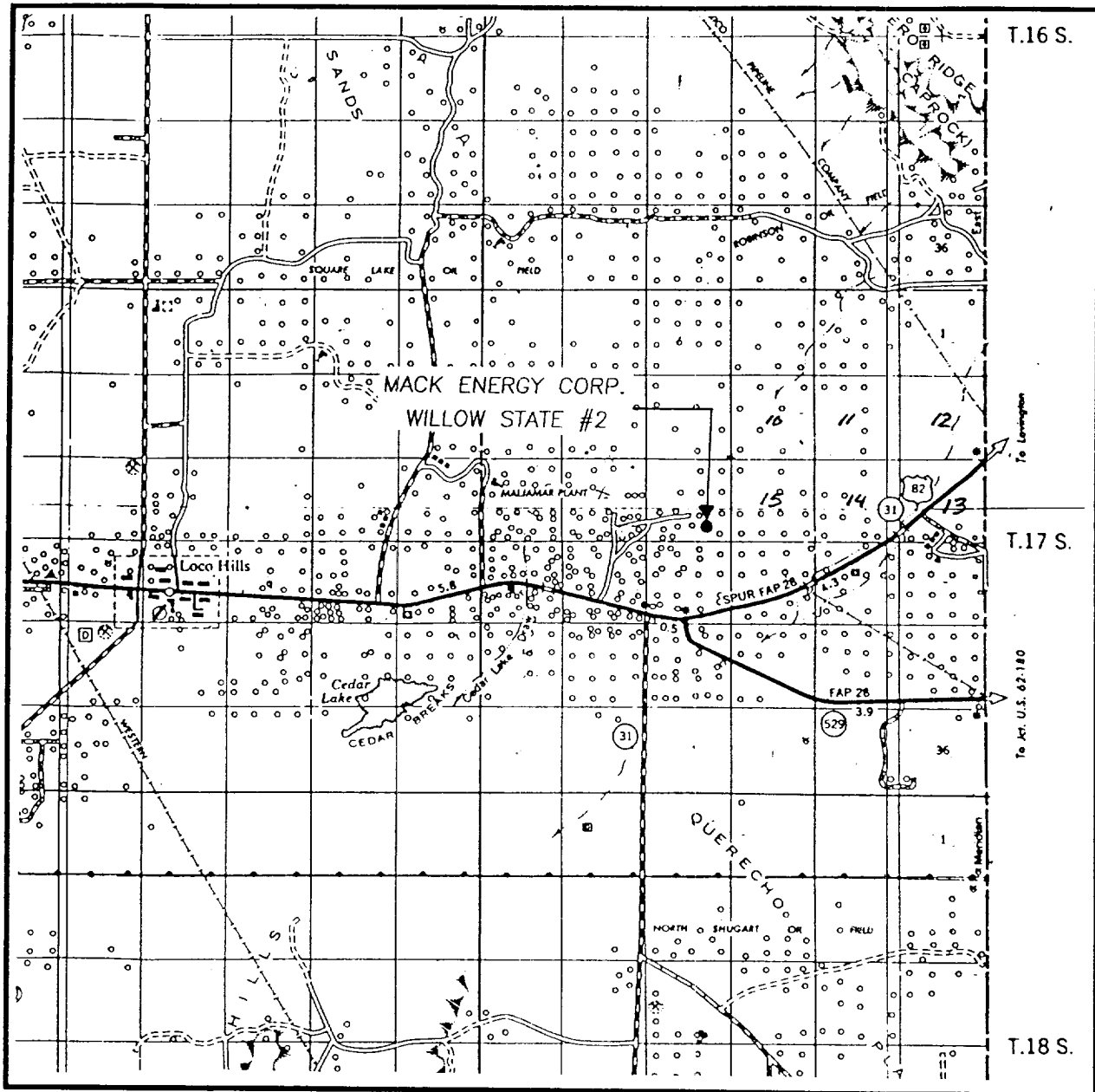
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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 the the information contained herein is true and complete to the best of my knowledge and belief. Signature Crissa D. Carter Printed Name Production Clerk Title 1-17-97 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. JANUARY 24, 1997 Date Surveyed JLP Signature & Seal of Professional Surveyor W.O. Num. 97-11-0137 Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239 GARY G. EIDSON, 12641	

VICINITY MAP



SCALE: 1" = 2 MILES

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

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 990' FSL & 1650' FEL

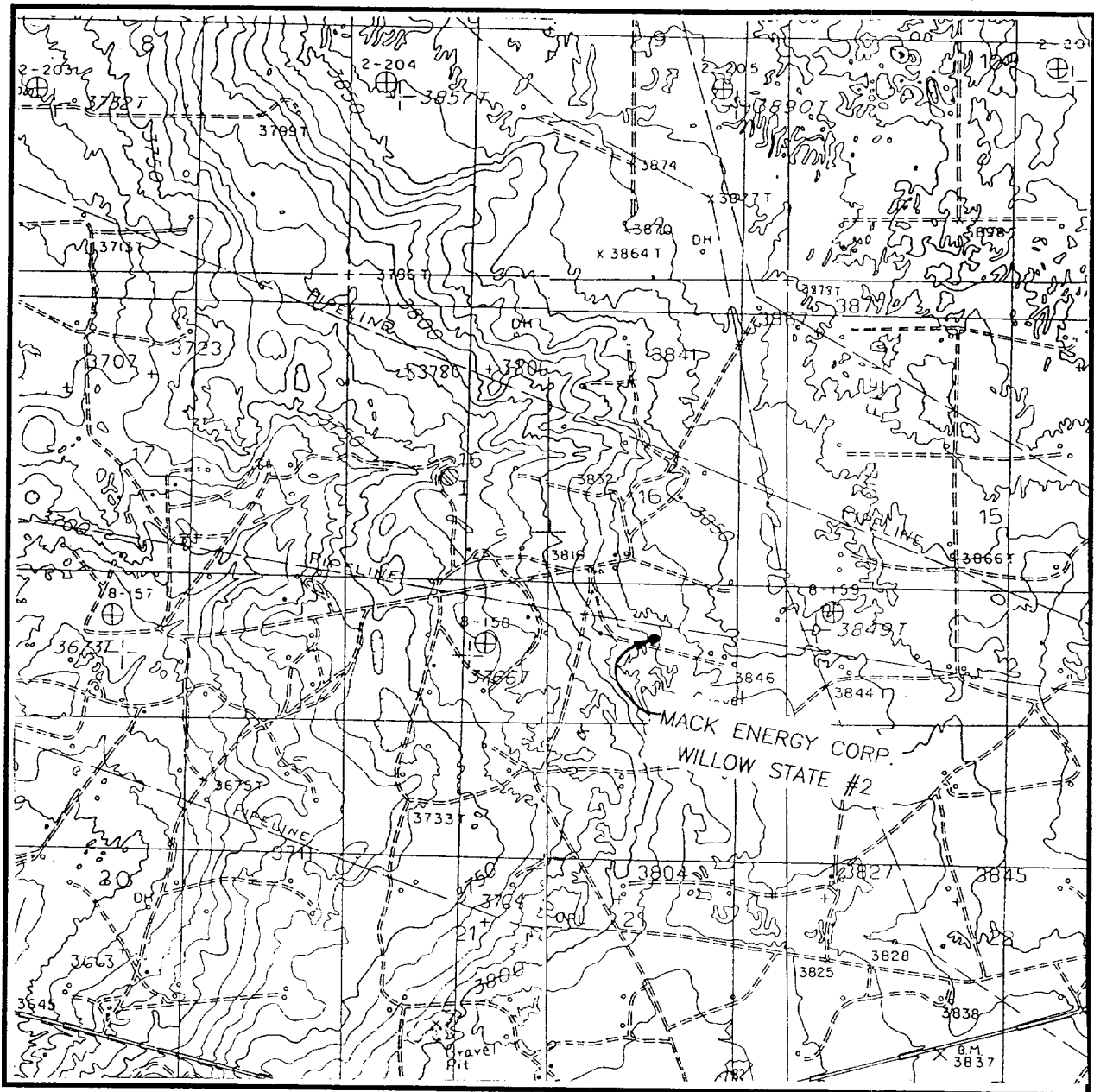
ELEVATION 3831'

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 990' FSL & 1650' FEL

ELEVATION 3831'

OPERATOR MACK ENERGY CORP.

LEASE WILLOW STATE

U.S.G.S. TOPOGRAPHIC MAP

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO

(505) 393-3117