

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
P.O. 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 ARCO PERMIAN P.O. BOX 1610 MIDLAND, TX 79702		² OGRID Number 000990
³ API Number 30-015-29526		⁴ Property Code 20760
⁵ Property Name MEDANO STATE		⁶ Well Number 3

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
L	36	22S	31E		1880	SOUTH	660	WEST	EDDY

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 LIVINGSTON RIDGE (DELAWARE)					¹⁰ Proposed Pool 2 39360				

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3456
¹⁶ Multiple NO	¹⁷ Proposed Depth 8600	¹⁸ Formations DELAWARE	¹⁹ Contractor PETERSON DRLG	²⁰ Spud Date 06-11-97

²¹ 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	860	775	SURF
11	8 5/8	32	4600	1800	SURF
7 7/8	5 1/2	15.5/17	8600	480	6500

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

Subject well planned as a 8600' straight hole.
3000 psi BOPE will be used from 860' to TD.

posted ID-1
N10 API
4-25-97

posted ID-2
N10 API
8-21-98

EXPIRED INTENT

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

Signature: *Charles W. Knight Jr.*
Printed name: **CHARLES W. KNIGHT, JR.**

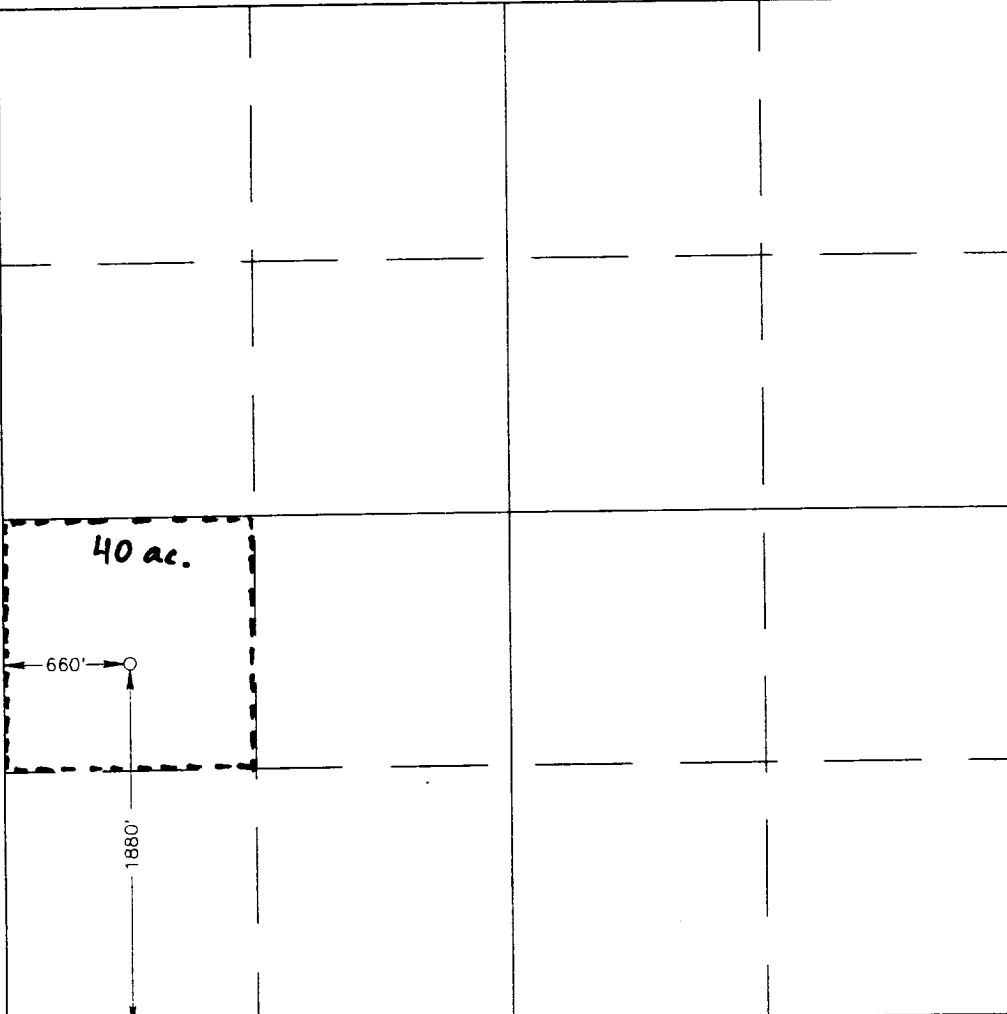
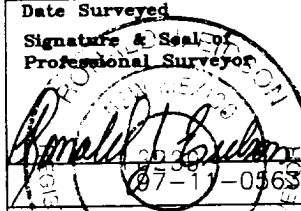
Title: **REG. COMPLIANCE**

Date: **04-11-97**
Phone: **915 688-5672**

OIL CONSERVATION DIVISION	
Approved by: <i>Jim W. Green</i>	BGA
Title: <i>District Supervisor</i>	
Approval Date: 4-16-97	Expiration Date: 4-16-98
Conditions of Approval: 18 hours w/c on 8 5/8" casing	
Attached <input type="checkbox"/> 13 3/8" CASINGS	

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

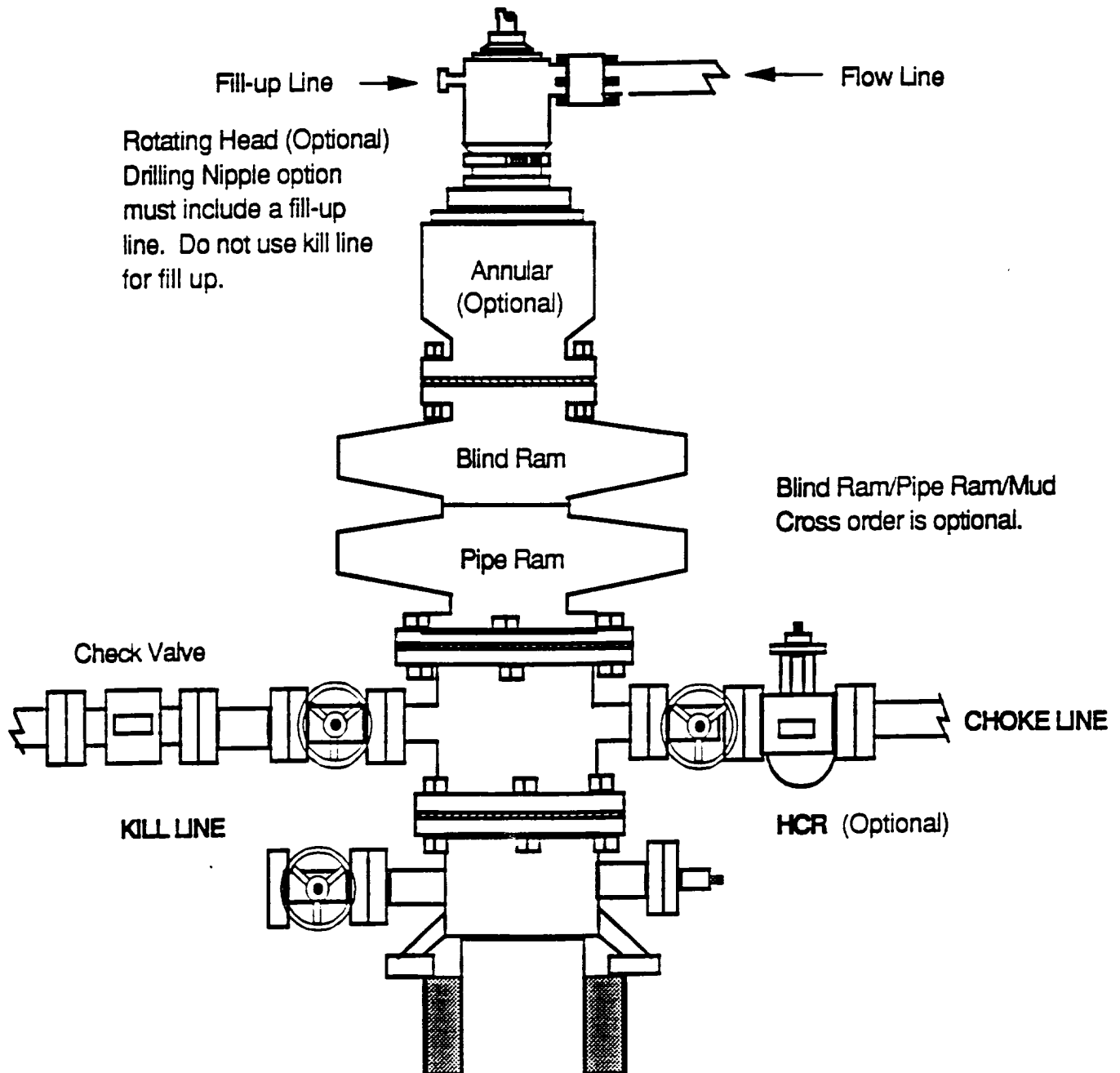
☐ AMENDED REPORT

 <p>A survey plat showing a 40-acre area. The area is bounded by a dashed line. The width is labeled as 660' and the length as 1880'. The text '40 ac.' is written inside the dashed boundary.</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="text-align: center;"><u>Charles W. Knight, Jr.</u> Signature</p> <p style="text-align: center;"><u>Charles W. Knight, Jr.</u> Printed Name</p> <p style="text-align: center;"><u>Regulatory Compliance</u> Title</p> <p style="text-align: center;"><u>4/11/97</u> Date</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p style="text-align: center;">MARCH 31, 1997</p> <p style="text-align: center;">Date Surveyed DMCC</p> <p style="text-align: center;">Signature & Seal of Professional Surveyor</p> <div style="text-align: center;">  <p>331-97</p> </div> <p style="text-align: center;">Certificate No. 676</p> <p style="text-align: center;">JOHN W. WEST 3239</p> <p style="text-align: center;">RONALD D. EIDSON 12641</p> <p style="text-align: center;">GARY EIDSON</p> </div>
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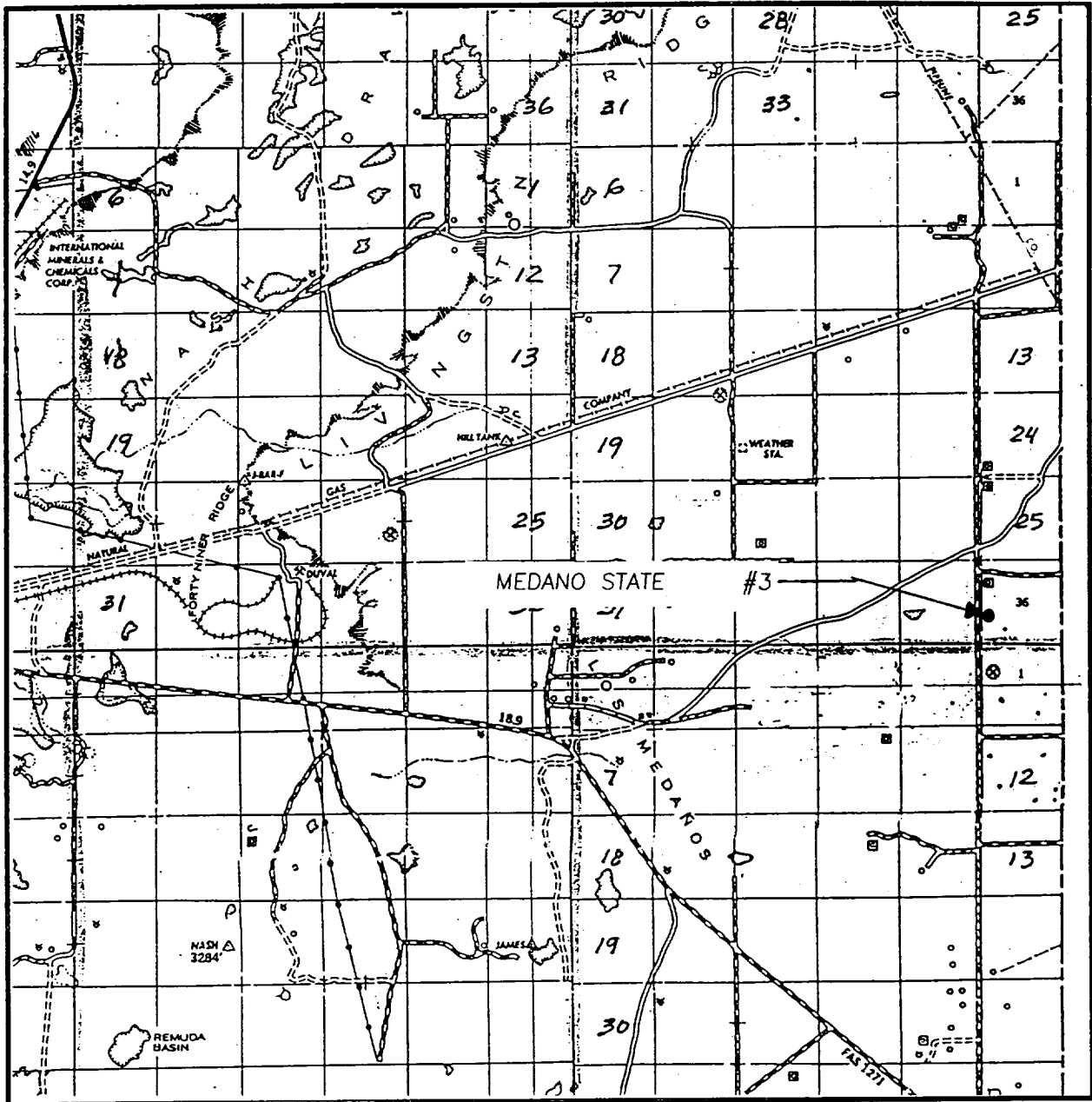
DRILLING OPERATIONS

CLASS - 1: NORMAL PRESSURE < 10 PPG

OPTION - 1: ARCO STANDARD BOPE STACK



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 36 TWP. 22-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1880' FSL & 660' FWL

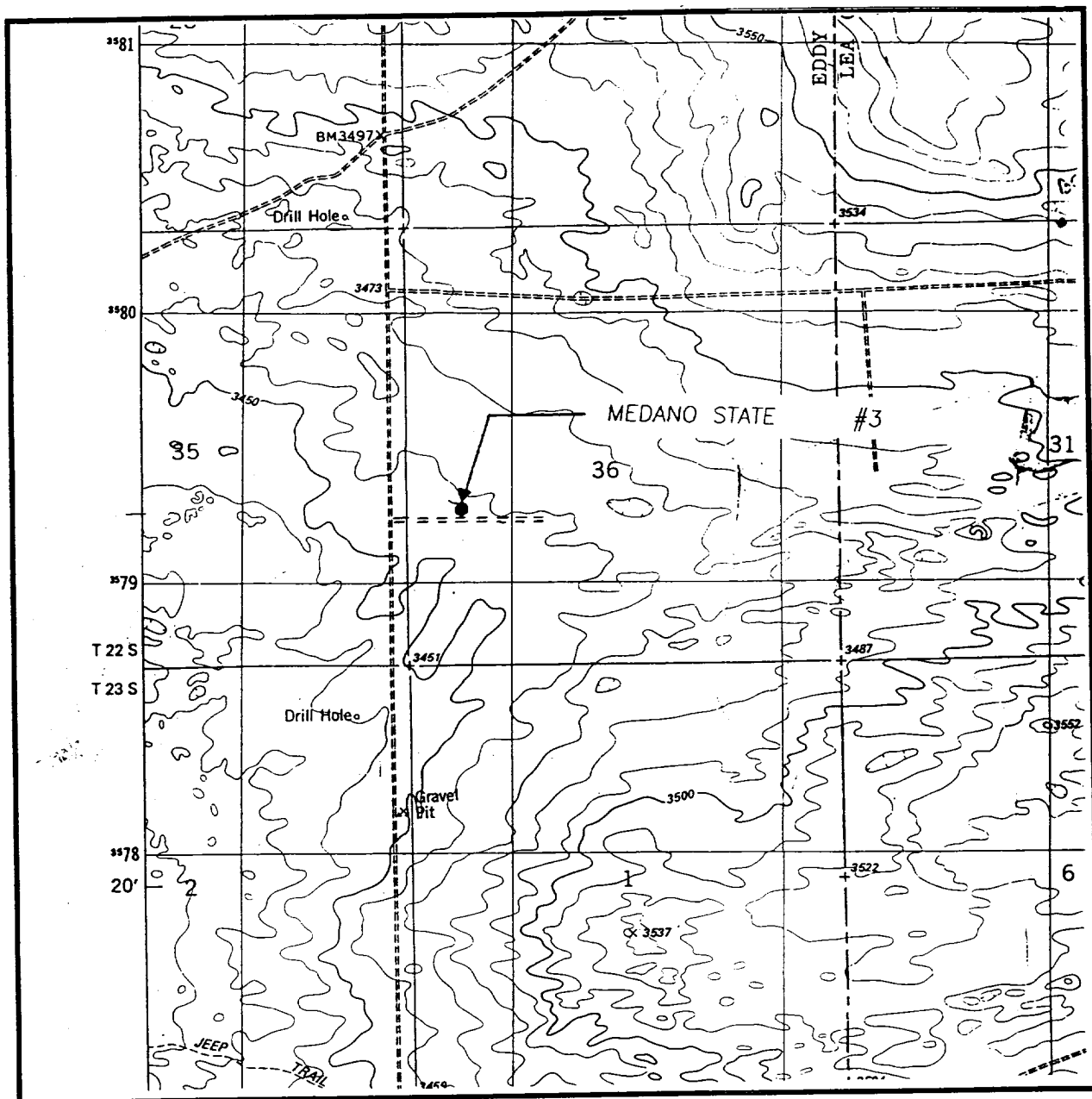
ELEVATION 3456

OPERATOR ARCO PERMIAN

LEASE MEDANO STATE

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
BOOTLEG RIDGE - 10'

SEC. 36 TWP. 22-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1880' FSL & 660' FWL

ELEVATION 3456

OPERATOR ARCO PERMIAN

LEASE MEDANO STATE

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N.M.

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