

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
HOBBS OCE Energy Minerals and Natural Resources

Form C-101
May 27, 2004

APR 26 2013

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

AMENDED REPORT

RECEIVED

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 30-025-31114
Property Code 34910	Property Name Dolphin State	Well No. 2
Proposed Pool 1 Wildcat San Andres		Proposed Pool 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
J	16	16S	33E		1983	South	1980	East	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

Additional Well Information

Work Type Code E	Well Type Code O	Cable/Rotary Rotary	Lease Type Code S	Ground Level Elevation 4229' GR
Multiple No	Proposed Depth 5880	Formation San Andres	Contractor	Spud Date 5/1/2013
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/>		Pit Volume: _____ bbls		Drilling Method -
Closed-Loop System <input checked="" type="checkbox"/>		Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

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	54.5	428	400sx	Surface-In place
11	8 5/8	32	4498	1700sx	Surface-In place
7 7/8	5 1/2	17	5880	700sx	Surface

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 Re-enter the formerly West Sombrero State Unit #1 now called the Dolphin State #2 to a depth of 5880' test the San Andres formation. Run 5 1/2 casing and cement. Put well on production.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

I hereby certify that the information given above is true and complete to the best of my knowledge and belief I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan. <input type="checkbox"/>		OIL CONSERVATION DIVISION	
Signature <i>Jerry W. Sherrell</i>		Approved by: <i>[Signature]</i> Petroleum Engineer	
Printed name: Jerry W. Sherrell		Title:	
Title: Production Clerk		Approval Date: 04/30/13	Expiration Date: 04/30/15
E-mail Address: jerrys@mec.com			
Date: 4/24/13	Phone: (575)748-1288	Conditions of Approval Attached <input type="checkbox"/>	

MAY 01 2013

APR 26 2013

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
511 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION **RECEIVED**
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-31114		2 Pool Code 98022		3 Pool Name WC025 G01 S163316 San Andres	
4 Property Code 34910		5 Property Name DOLPHIN STATE			6 Well Number 2
7 OGRID No. 13837		8 Operator Name MACK ENERGY CORPORATION			9 Elevation 4229.3

10 Surface Location

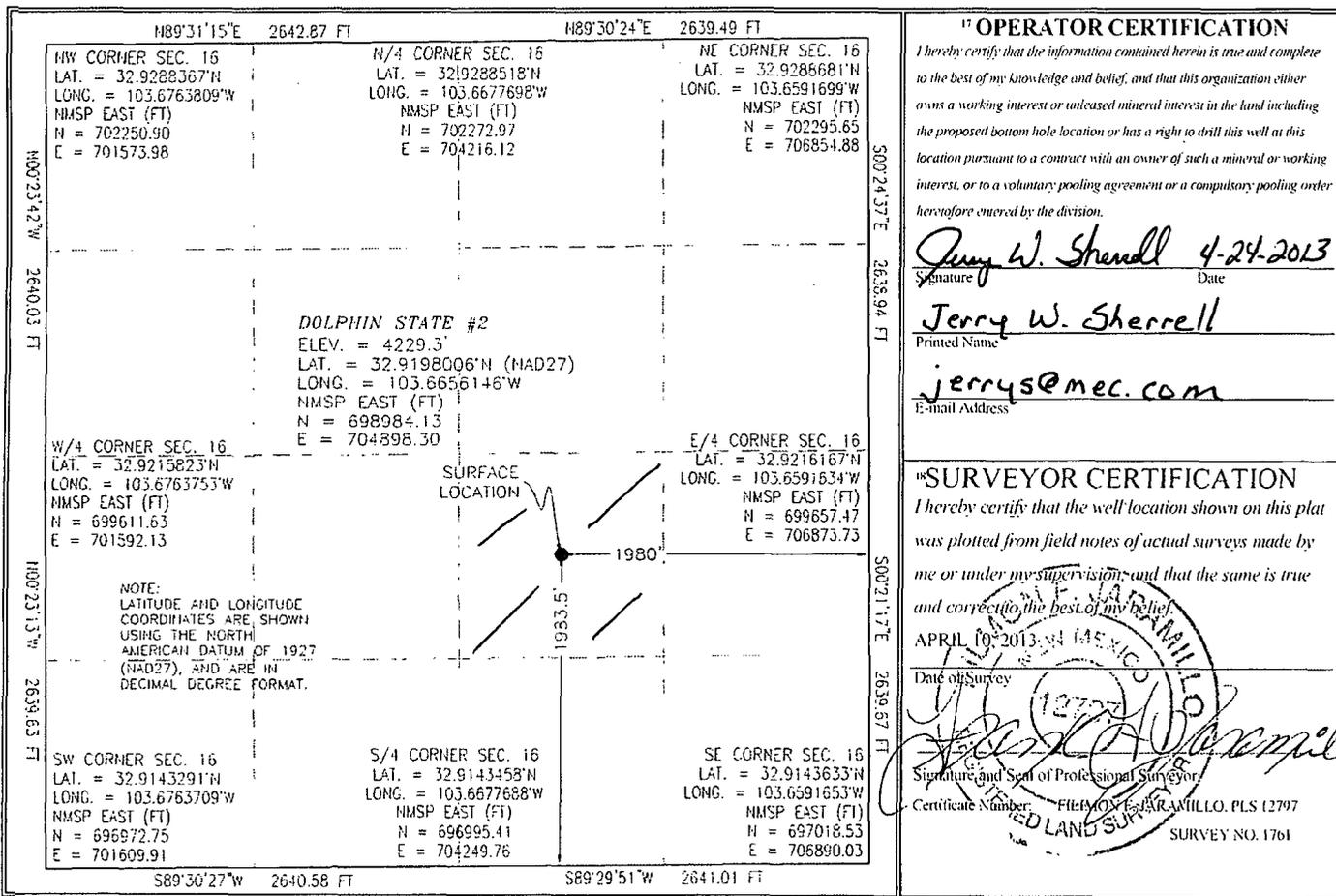
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	16	16 S	33 E		1983.5	SOUTH	1980	EAST	LEA

11 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

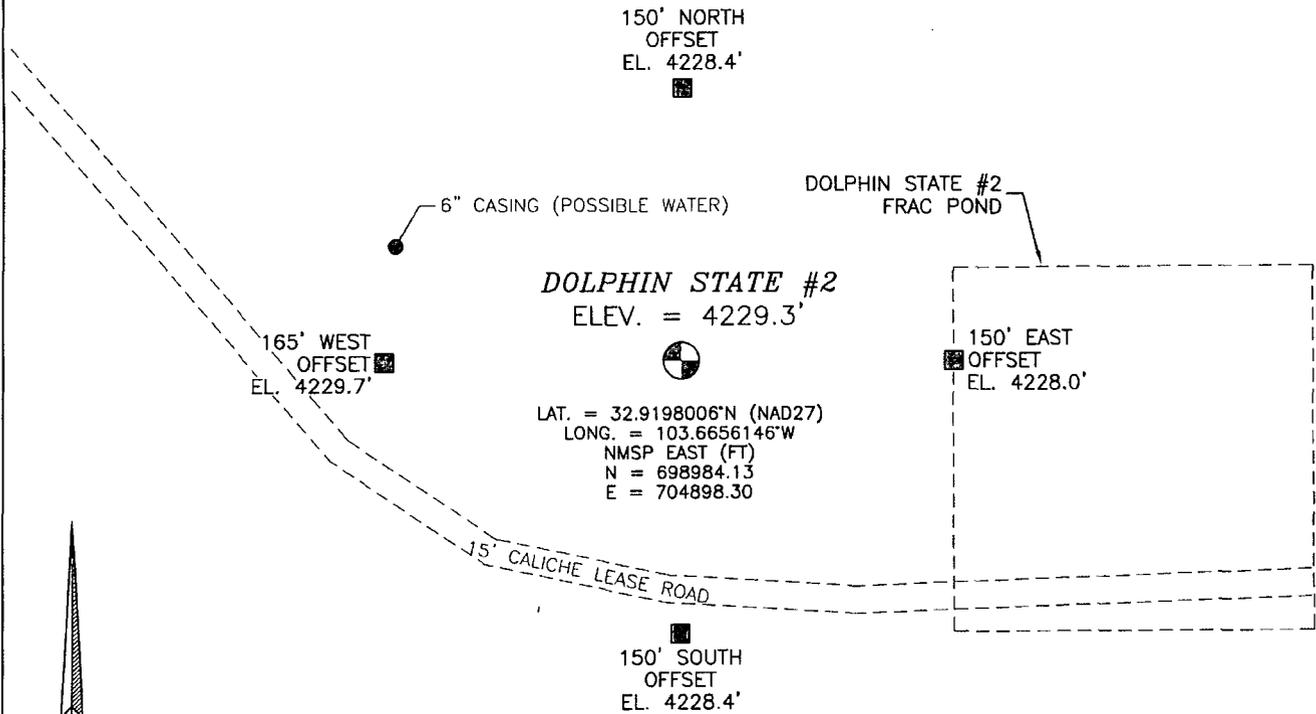
12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SECTION 16, TOWNSHIP 16 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

NOTE: THE LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.



0 10 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 82 AND CR 722 (PATTERSON) GO NORTHWEST ON CR 722 FOR APPROX. 1.2 MILES. TURN WEST ACROSS CATTLE GUARD AND GO APPROX. 1.1 MILES. LOCATION IS APPROX. 120 FT. NORTH (DRY HOLE MARKER).

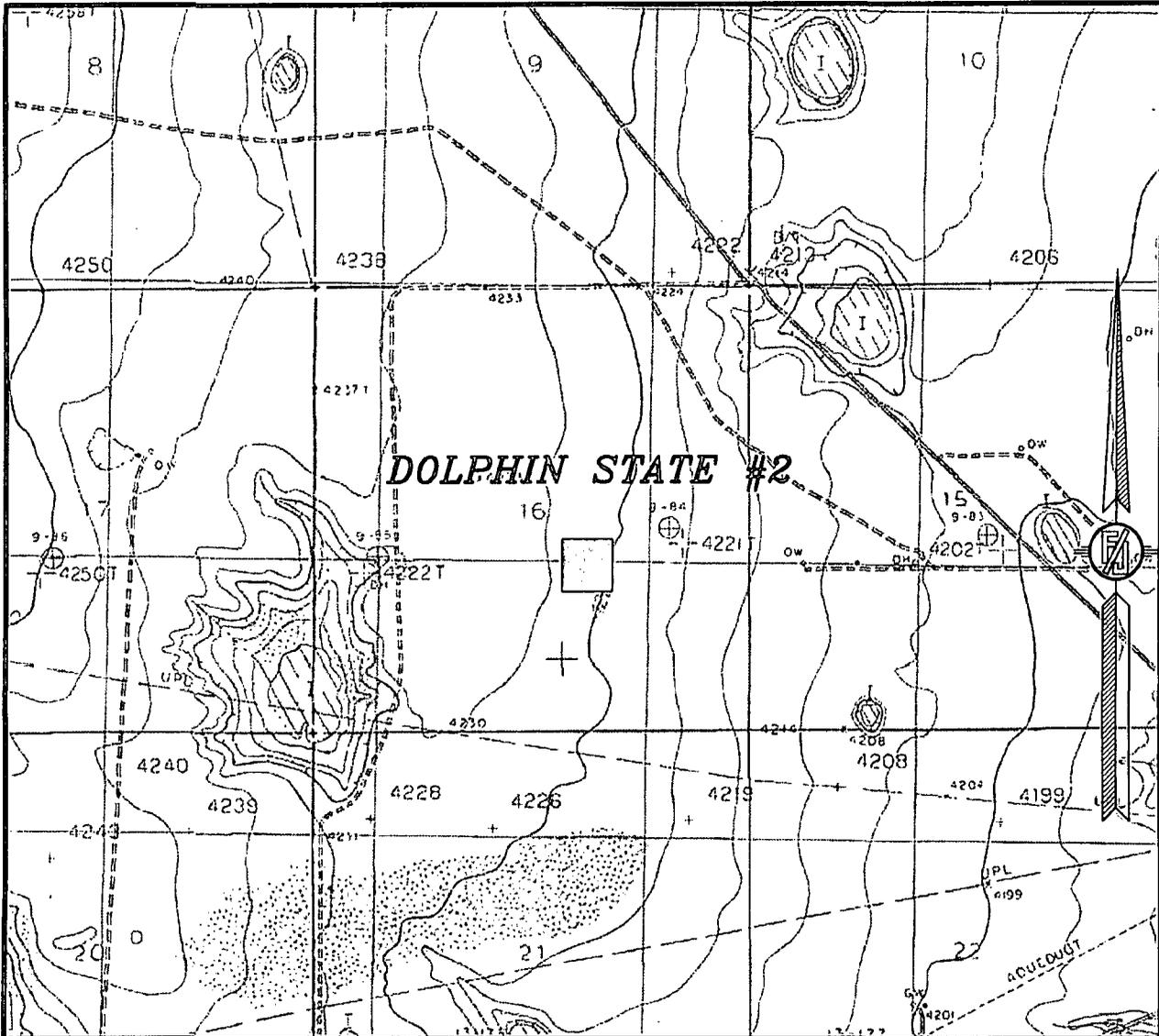
MACK ENERGY CORPORATION
DOLPHIN STATE #2
LOCATED 1983.5 FT. FROM THE SOUTH LINE
AND 1980 FT. FROM THE EAST LINE OF
SECTION 16, TOWNSHIP 16 SOUTH,
RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 10, 2013

SURVEY NO. 1761

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234-3341

SECTION 16, TOWNSHIP 16 SOUTH, RANGE 33 EAST, N.M.P.M.
 LEA COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 BUCKEYE NW

NOT TO SCALE

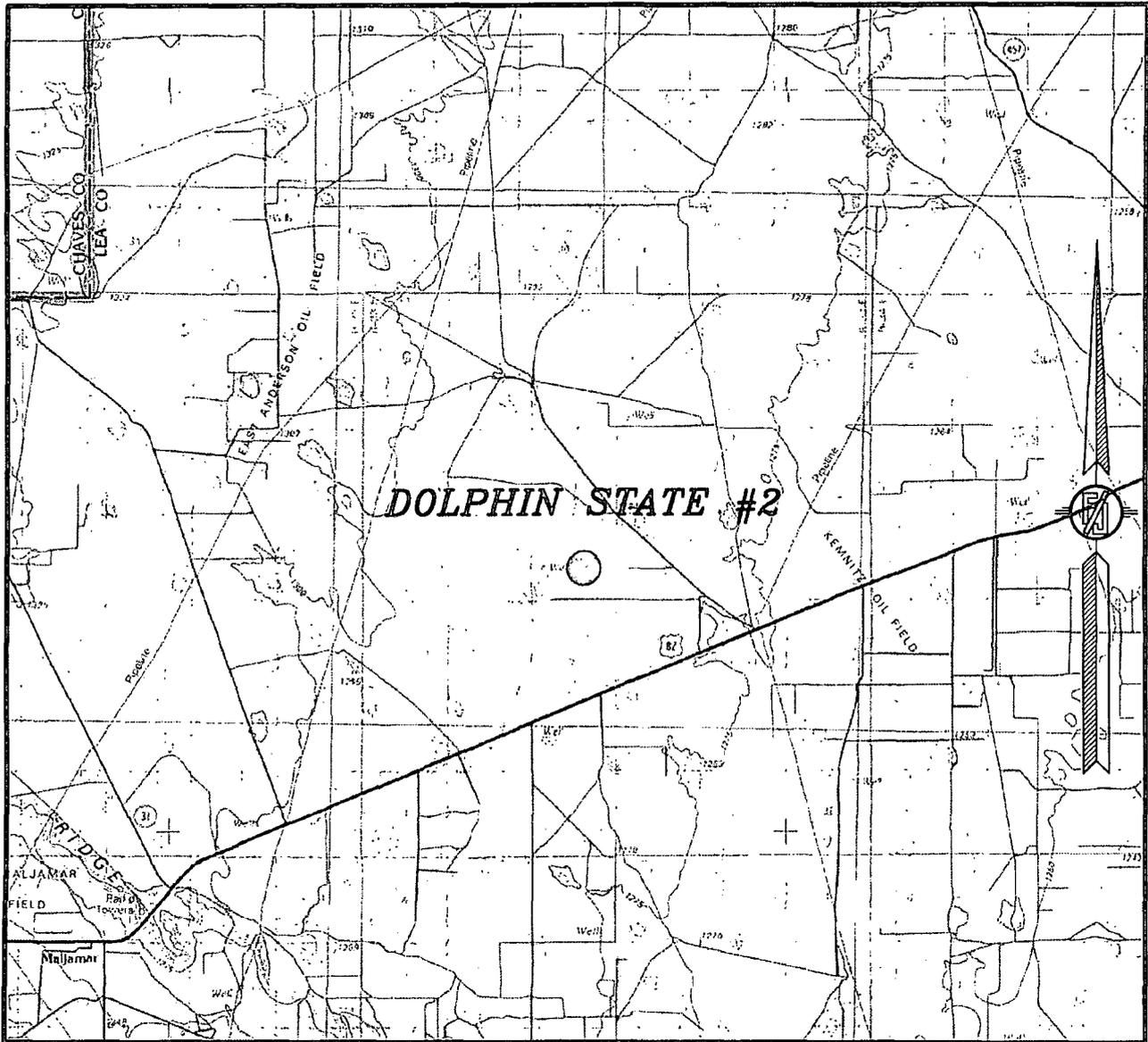
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SECTION 16, TOWNSHIP 16 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



NOT TO SCALE

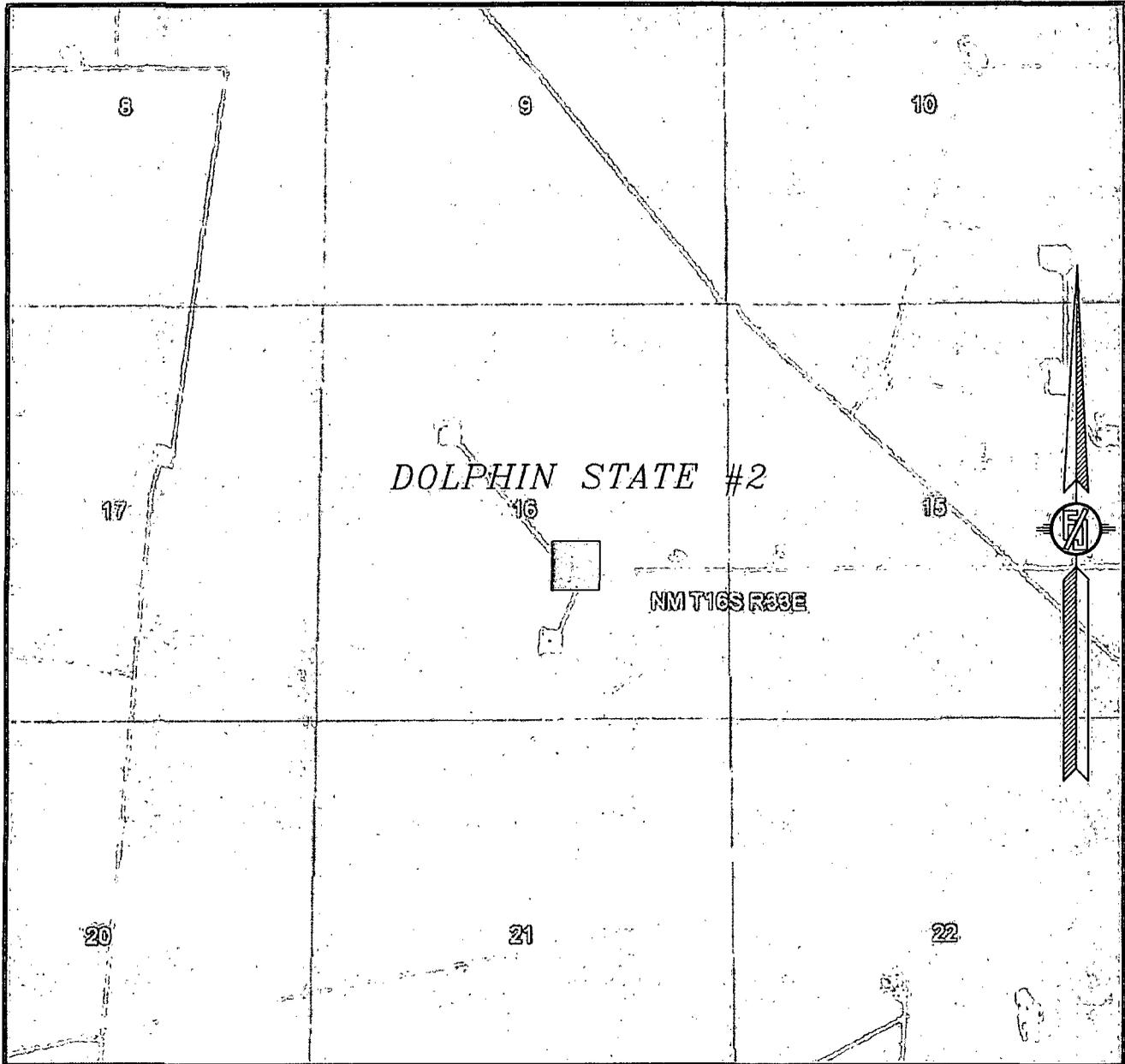
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SECTION 16, TOWNSHIP 16 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
MARCH 2012

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DOLPHIN STATE #2
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AND 1980 FT. FROM THE EAST LINE OF
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RANGE 33 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

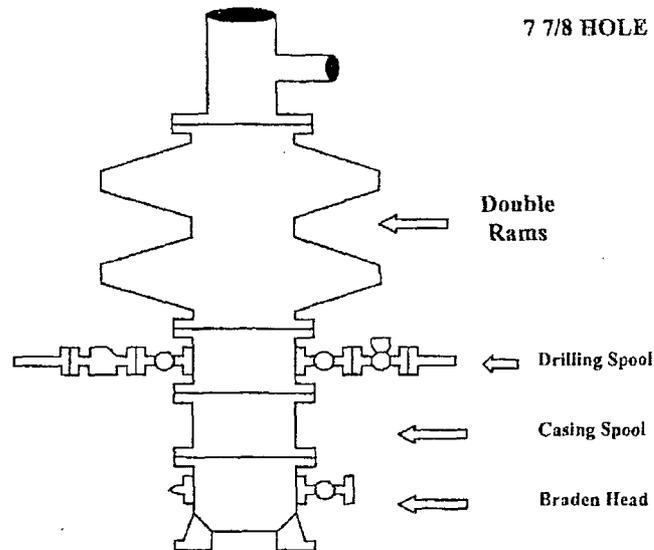
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Mack Energy Corporation

Exhibit #1-A BOPE Schematic



Choke Manifold Requirement (3000 psi WP)
No Annular Required

