

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
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address PATTERSON PETROLEUM LP P.O. DRAWER 1416 SNYDER, TX 79550		² OGRID Number 141928
³ Property Code 35759	⁵ Property Name PADDY 18 STATE	⁴ API Number 30 - 025 - 37944
⁹ Proposed Pool 1 MALJAMAR; PADDOCK, EAST		¹⁰ Proposed Pool 2 WILDCAT

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
4	18	17-S	33-E		330	SOUTH	990	WEST	LEA

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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code OIL	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4146
¹⁶ Multiple NO	¹⁷ Proposed Depth 6200'	¹⁸ Formation PADDOCK	¹⁹ Contractor PATTERSON-UTI DRILLING	²⁰ Spud Date 07/15/2006
Depth to Groundwater 180'		Distance from nearest fresh water well 18000'		Distance from nearest surface water NONE
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 10,000_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	12-3/8"	48#	400	500	SURFACE
12-1/4"	8-5/8"	32#	4800	2250	SURFACE
7-7/8"	5-1/2"	17#	6200	400	4000'

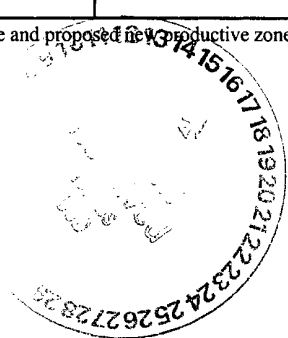
²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drilling fluid synopsis attached.

BOP: Shaffer 11" 3000 psi - see figure 2.5

Additional casing & cementing information attached.

**Permit Expires 1 Year From Approval
Date Unless Drilling Underway**



²³ 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	
Printed name: Nolan von Roeder		Approved by:	
Title: Engineer		Title:	
E-mail Address:		Approval Date: JUN 20 2006	
Date: 06/09/2006		Expiration Date: PETROLEUM ENGINEER	
Phone: 325/573-1938		Conditions of Approval Attached <input type="checkbox"/>	



PATTERSON PETROLEUM LP

A LIMITED PARTNERSHIP

P.O. Box 1416, Snyder, TX 79550

4510 Lamesa Hwy., Snyder, TX 79549

Phone: 325-573-1938 • Fax 325-573-1939

DRILLING FLUID SYNOPSIS

PATTERSON PETROLEUM LP

Paddy 18 State No. 1

Section 18

T-17-S

R-33-E

Lea County, New Mexico

CASING

13 3/8" at 400'

8 5/8" at 4800'

5 1/2" at 6,200'

DEPTH	MUD WT.	VISCOSITY	FLUID LOSS	DRILL SOLIDS	COMMENTS
0' - 400'	8.4 to 9.0	28 to 40	No Control	5%	FW Spud mud & paper
400' - 4800'	8.4 to 10.3	28 to 33	No Control	1%	FW, BW, paper, caustic
4800 - 6,200'	9.5 to 10.2	28 to 40	15 cc or less	< 5%	Salt Gel, starch & caustic



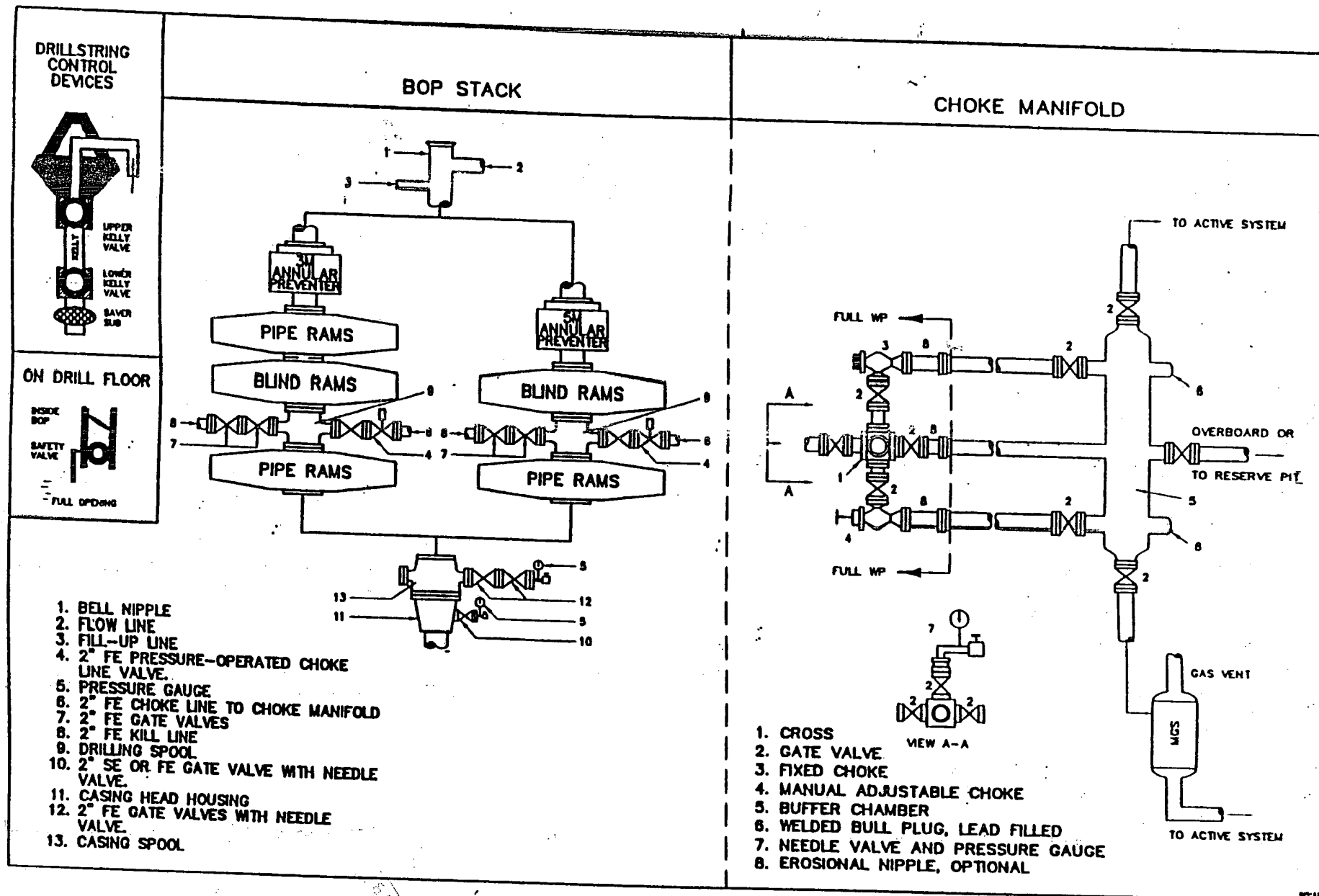


Fig. 2.5. Class 3 BOP and Choke Manifold.

PATTERSON PETROLEUM LP
PROPOSED CASING & CEMENTING PROGRAM

PADDY 18 STATE WELL NO. 1

13 3/8", 48 lb/ft, H-40 Surface Casing Set at 400' - in a 17 1/2" Hole

Circulate to surface with 500 sacks of Class "C" + 2% CaCl₂ + 1/4 lb/sk celloflake

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 cu.ft/sk
Water Requirement:	6.3 gal./sk

8 5/8", 32 lb/ft, J-55 & N-80 Intermediate Casing Set at 4800' - in a 12 1/4" Hole

Lead : 2000 sx of 35:65 Poz Class "C" + 5% salt + 6% gel + 1/4 lb/sk celloflake
+ 2/10 % antifoamer

Desired TOC = Surface

Slurry Weight:	12.4 ppg
Slurry Yield:	2.15 cu.ft/sk
Water Requirement:	11.99 gal/sk

Tail : 250 sx of Class "C" Neat

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 cu.ft/sk
Water Requirement:	6.31 gal/sk

5 1/2", 17 lb/ft J55 Production String Casing Set at 6,200' - in a 7 7/8" Hole

Desired TOC = 4000'

Cement w/ 400 sx of "C" 50/50 Poz w/ .5% LAP1+ .3% CFR3 + 3 #/sk salt + 2% gel

Slurry Weight:	13.9 ppg
Slurry Yield:	1.39 cu.ft/sk
Water Requirement:	6.5 gal/sk



*1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

API Number 30-025-37044	Pool Code 97417	Pool Name MALJAMAR, PADDOCK, EAST
Property Code 35750	Property Name PADDY 18 STATE	Well Number 1
OGRID No. 141928	Operator Name PATTERSON PETROLEUM, LP	Elevation 4146'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	18	17-S	33-E		330	SOUTH	990	WEST	LEA

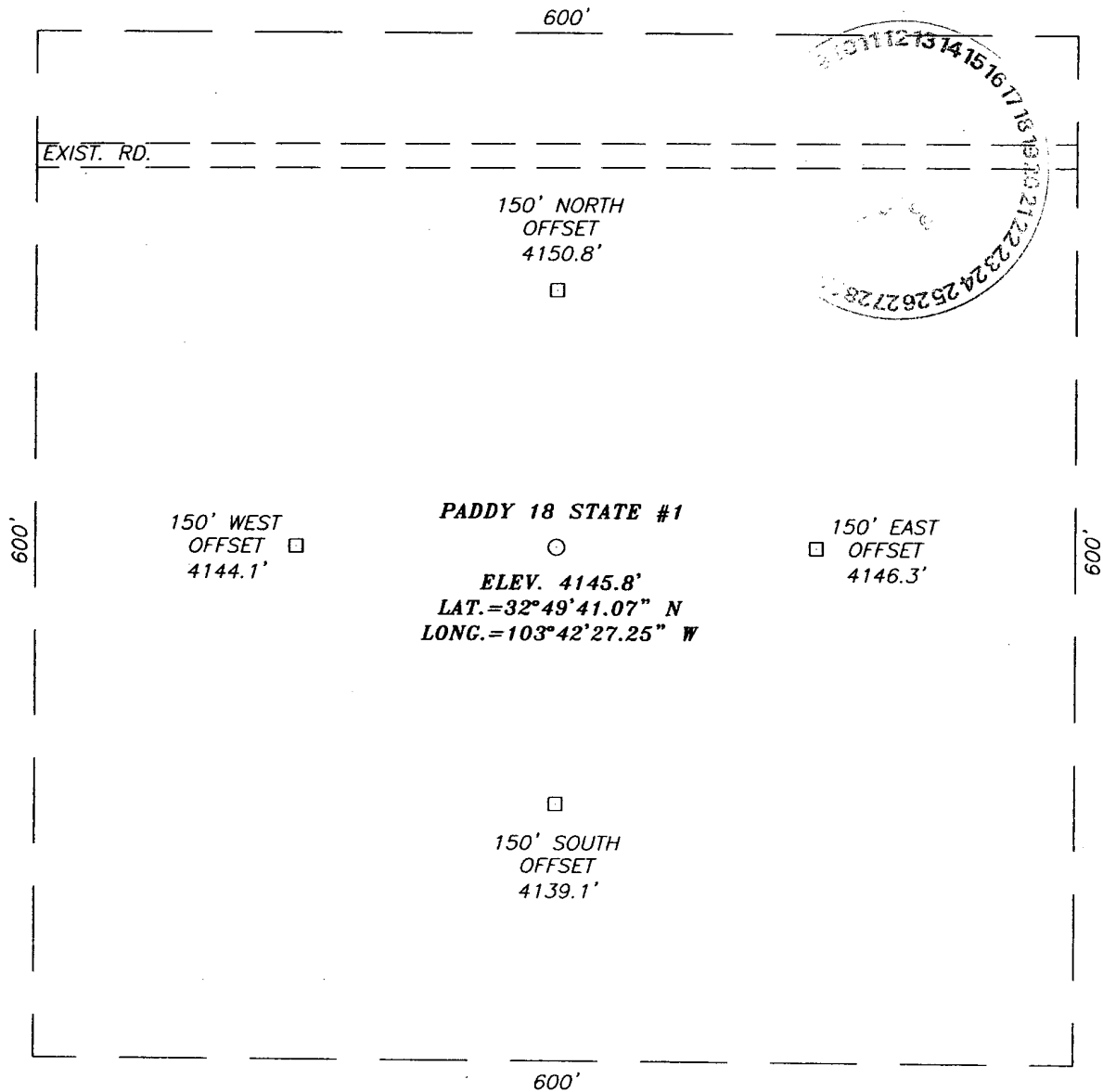
Bottom Hole Location If Different From Surface

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

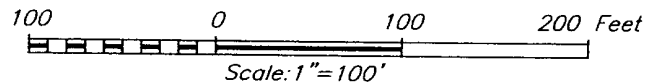
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SECTION 18, TOWNSHIP 17 SOUTH, RANGE 33 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION DOG LAKE RD. (CO. RD. L-125) AND MESCALERO RD. (CO. RD. L-125), GO NORTHWEST ON MESCALERO RD. APPROX. 2.8 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 0.5 MILES TO A FIVE WAY ROAD INTERSECTION. TURN RIGHT AND GO EAST APPROX. 0.2 MILES. THIS LOCATION IS APPROX. 228 FEET SOUTH.





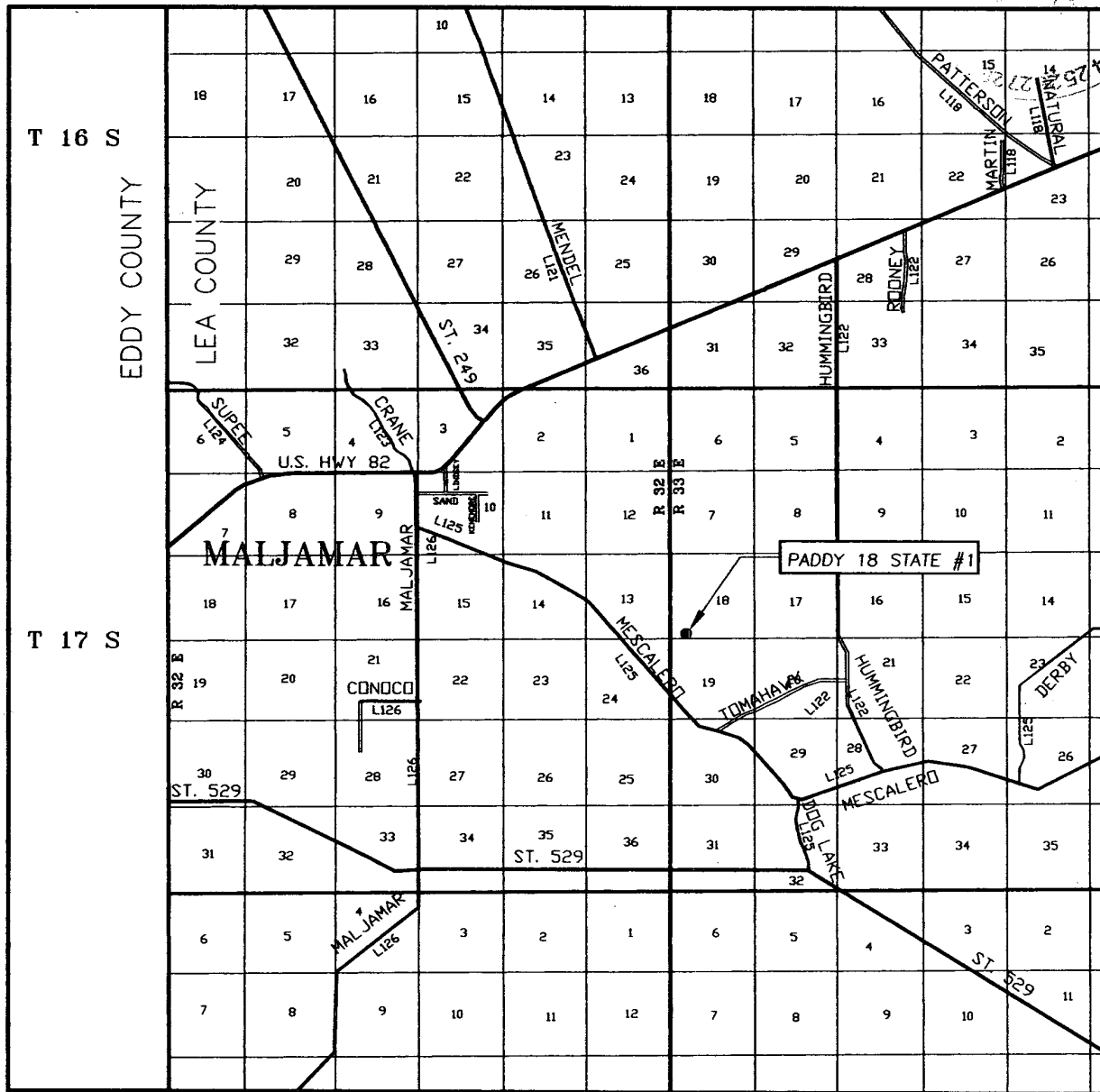
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 383-3117

PATTERSON PETROLEUM, LP

PADDY 18 STATE #1
 LOCATED 330 FEET FROM THE SOUTH LINE
 AND 990 FEET FROM THE WEST LINE OF SECTION 18,
 TOWNSHIP 17 SOUTH, RANGE 33 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

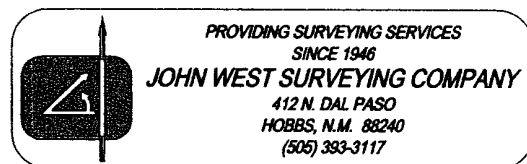
Survey Date: 05/19/06	Sheet 1 of 1 Sheets
W.O. Number: 06.11.0857	Dr By: M.R.
Date: 05/24/06	Rev 1: N/A
Disk: CD#6	06110857
	Scale: 1"=100'

VICINITY MAP

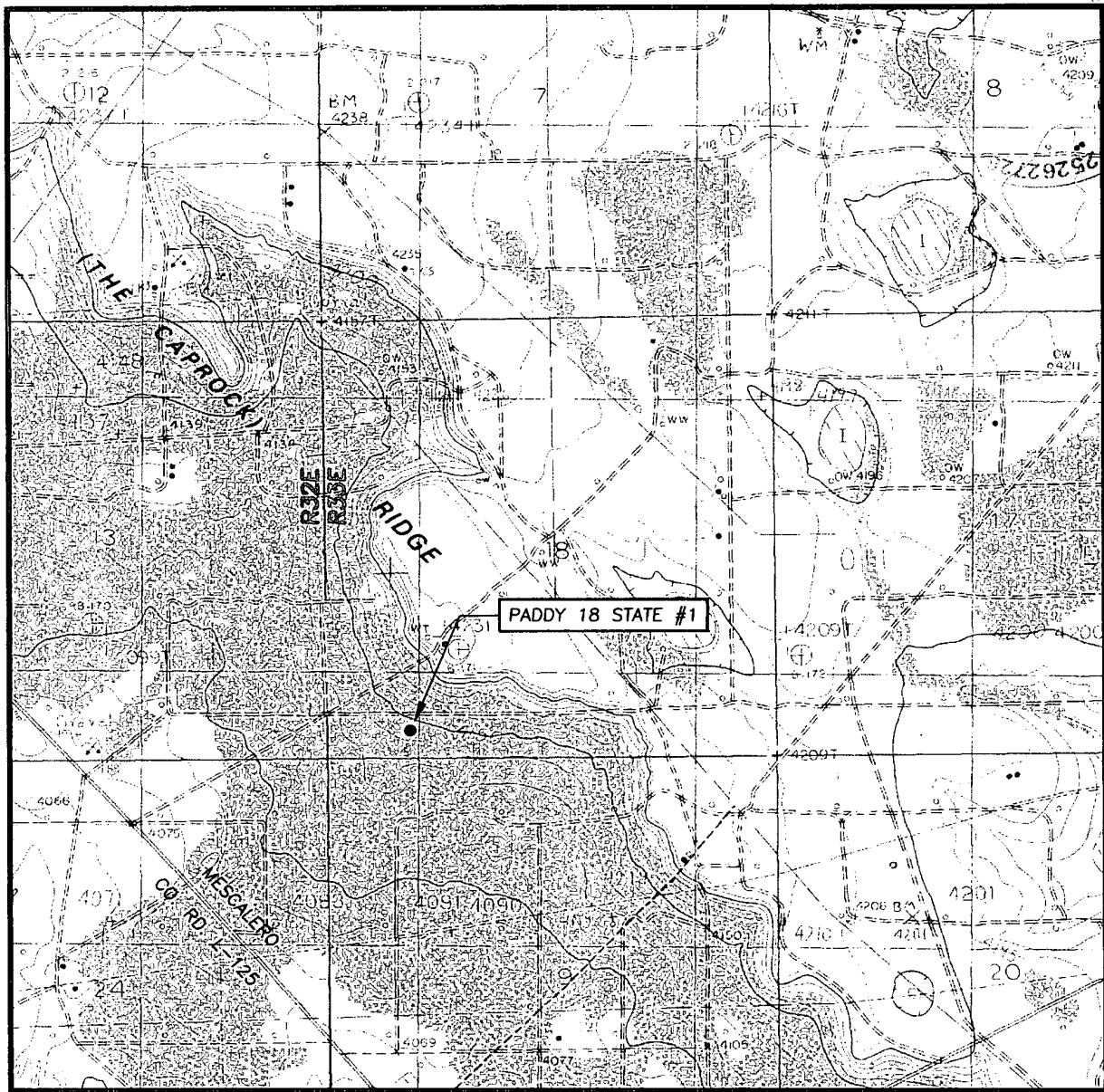


SCALE: 1" = 2 MILES

SEC. 18 TWP. 17-S RGE. 33-E
 SURVEY N.M.P.M.
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 330' FSL & 990' FWL
 ELEVATION 4146'
 OPERATOR PATTERSON
PETROLEUM, LP
 LEASE PADDY 18 STATE



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
DOG LAKE, N.M. - 10'
(SUPPLEMENTAL CONTOUR INTERVAL 5')

SEC. 18 TWP. 17-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

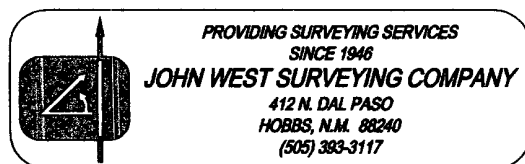
DESCRIPTION 330' FSL & 990' FWL


ELEVATION 4146'

OPERATOR PATTERSON
PETROLEUM, LP

LEASE PADDY 18 STATE

U.S.G.S. TOPOGRAPHIC MAP
DOG LAKE, N.M.



 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Mon 6/19/2006 11:18 AM

All have blanket bonds and do not appear on Jane's list except Apache Corp. They need 3 one well bonds.

From: Mull, Donna, EMNRD
Sent: Monday, June 19, 2006 9:27 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Range Operating New Mexico Inc (227588)
Apache Corp (873)
Horseshoe Operating Inc (225243)
Pogo Producing Co (17891)
Yates Petroleum Corp (25575)
Marathon Oil Co (14021)
COG Operating LLC (229137)
Stephens & Johnson Operating Co (19958)
Platinum Exploration Inc (227103)
Chevron USA Inc (4323)
Patterson Petroleum LP (141928)

I have check each operator on the Inactive well list.

Please let me know. Thanks and have a nice day. Donna