

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: Melrose Operating Co., c/o Box 953, Midland, TX 79702		² OGRID Number: 184860
³ Property Code 25203	⁴ Property Name Cone Jalmat Yates Pool Unit	⁵ API Number: 30-025-38919 ⁶ Well No. 144
⁹ Proposed Pool 1: Jalmat, Tansill-Yates-7 Rvrs		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West liEast	County
G	24	22-S	35-E		2630	North	2627	East	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 O	¹³ Cable/Rotary R	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3580'
¹⁶ Multiple No	¹⁷ Proposed Depth 4200'	¹⁸ Formation Yates	¹⁹ Contractor TBA	²⁰ Spud Date 5-20-08
Depth to Groundwater: 120'		Distance from nearest fresh water well: approx - none		Distance from nearest surface water: none
Pit: Liner: Synthetic: X 12 mils thick Clay <input type="checkbox"/> Pit Volume: 3000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water X Brine X 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
12 1/4"	8 5/8"	24#	350'	375 sx	Surface
7 7/8"	5 1/2"	15 5#	4200'	925 sx	Surface

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.

Propose to drill 12 1/4" hole to 350', set 8 5/8" casing @ 350', cementing with 375 sx Cl C, slurry wt of 14.8 ppg, yield of 1.34 cf/sx, type Cl C with 2% CaCl₂.
Drill 7 7/8" hole to 4200', run open hole logs, set production casing string to approximately 4200', cementing with lead slurry of 600 sx, 50:50 poz Cl C w/10% bentonite + Sodium Chloride + 0.2% FL, slurry weight - 11.80 ppg, yield - 2.45 cf/sx; tail w/ 325 sx, 50:50 poz Cl C + 10% bentonite + Sodium Chloride + 0.2% FL, slurry weight - 14.2 ppg, yield - 1.3 cf/sx.
Will perforate, stimulate & test well.
We do not anticipate encountering any H₂S intervals during the drilling of this well, based on wells drilled offsetting this location and producing wells in the unit.

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 X, a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
Printed name: Ann E. Ritchie	Approved by: <i>Chris Williams</i>	
Title: Regulatory Agent	TIC DISTRICT SUPERVISOR/GENERAL MANAGER	
E-mail Address: ann.ritchie@wtor.net	Approval Date: MAY 21 2008	Expiration Date:
Date: 5-6-08	Phone: 432 684-6381/214-762-0830	Conditions of Approval Attached <input type="checkbox"/>

Permit Expires 2 Years From Approval
Date Unless Drilling Underway

DISTRICT I

2630 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State LEase - 4 Copies

Fee LEase - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025 - 38919		Pool Code 33820	Pool Name Jalmat (T-Y-7 Rvrs)
Property Code 25203	Property Name CONE JALMAT YATES POOL UNIT		Well Number 144
OGRID No. 184860	Operator Name MELROSE OPERATING COMPANY		Elevation 3580'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	24	22-S	35-E		2630	NORTH	2627	EAST	LEA

Bottom Hole Location If Different From Surface

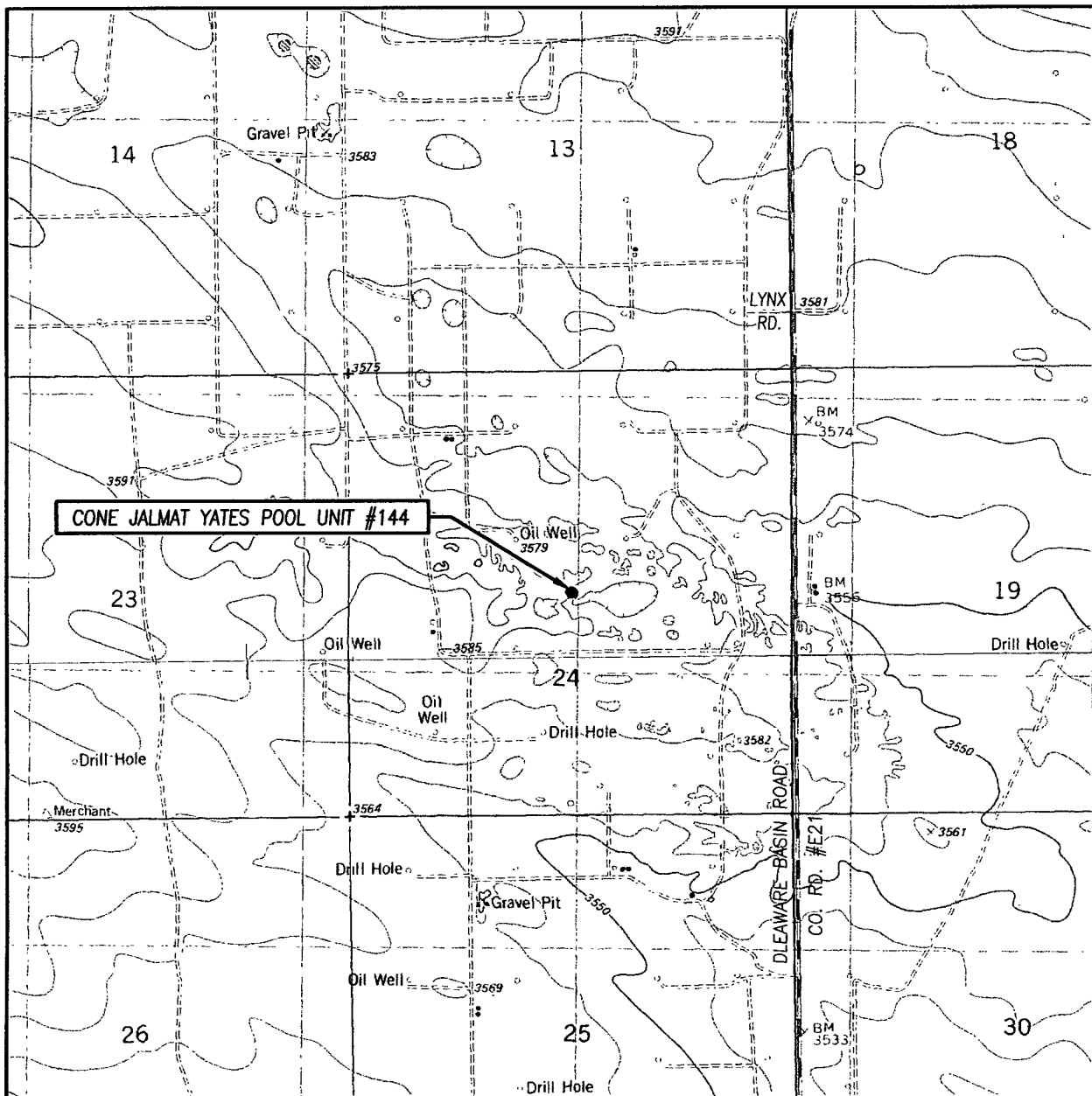
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
Waterflood Unit			

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

<p>GEODETIC COORDINATES NAD 27 NME. SURFACE LOCATION</p> <p>Y=502419.0 N X=812617.8 E</p> <p>LAT.=32.377198° N LONG.=103.320727° W</p>			<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location, or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Ann E. Ritchie</i> 5-6-08 Signature Date</p> <p>Ann E. Ritchie Printed Name</p>
			<p>SURVEYOR CERTIFICATION</p> <p>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.</p>
			<p>Date Surveyed APRIL 25, 2008 DSS</p> <p>Signature & Seal of Professional Surveyor 3239</p> <p><i>Ronald J. Eidson</i> 5/11/08</p>
			<p>Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3144</p>

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
OIL CENTER, NM
EAST LAKE, NM

SEC. 24 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2630' FNL & 2627' FEL

ELEVATION 3580'

OPERATOR MELROSE OPERATING COMPANY

LEASE CONE JALMAT YATES POOL UNIT

U.S.G.S. TOPOGRAPHIC MAP

OIL CENTER, NM

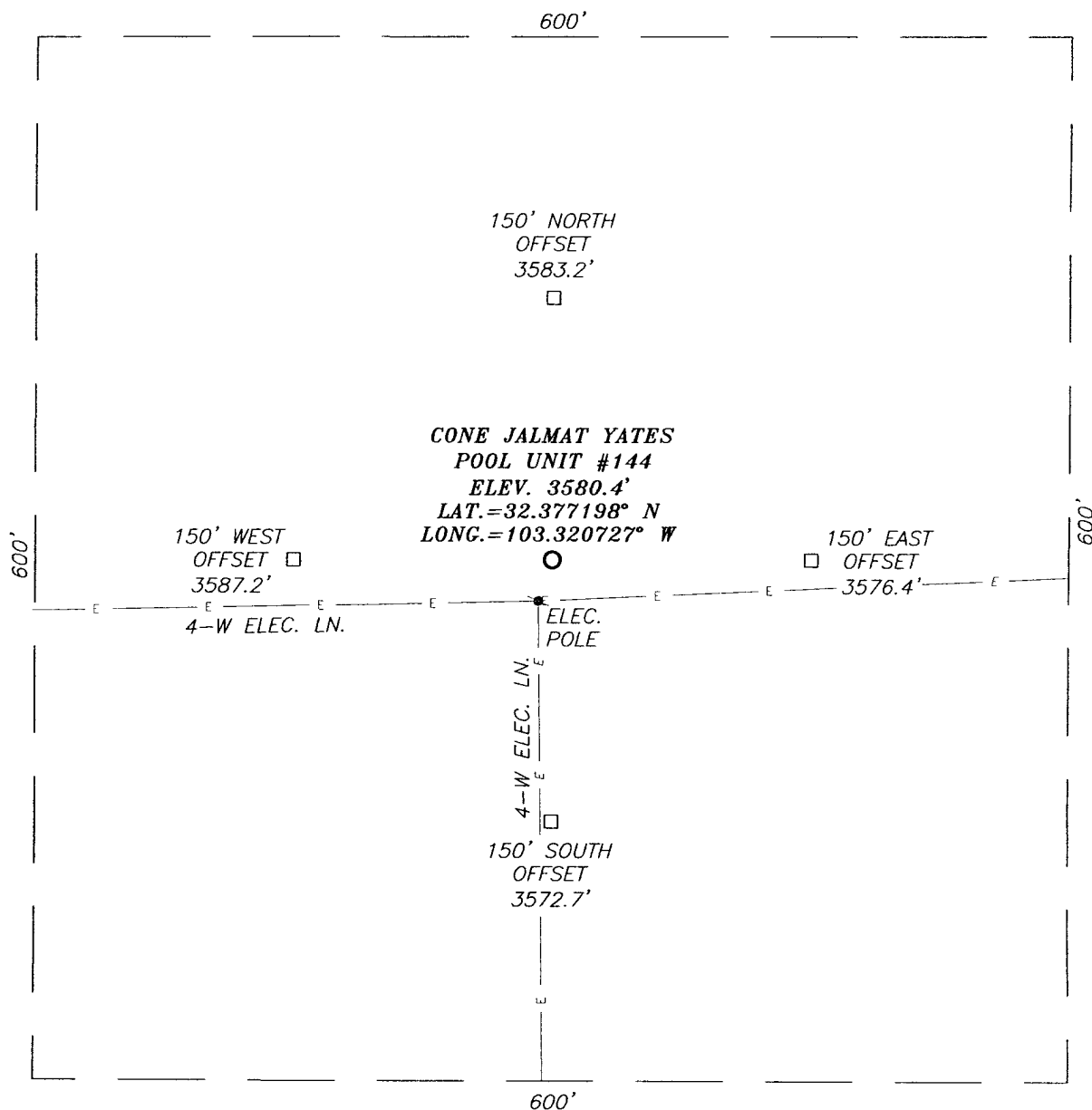


PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY

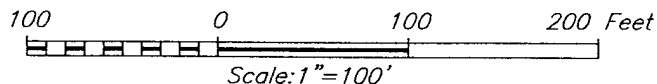
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

SECTION 24, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF COUNTY ROAD #E21
(DELAWARE BASIN ROAD) AND CALICHE ROAD
(LYNX ROAD), GO WEST ON LYNX ROAD APPROX.
0.1 MILE. TURN LEFT AND GO SOUTH APPROX.
0.3 MILES. BEND RIGHT AND GO WEST APPROX.
0.1 MILE. BEND LEFT AND GO SOUTH APPROX.
0.5 MILES. TURN RIGHT AND GO WEST APPROX.
0.36 MILES. THIS LOCATION IS APPROX. 733
FEET NORTH.



MELROSE OPERATING COMPANY

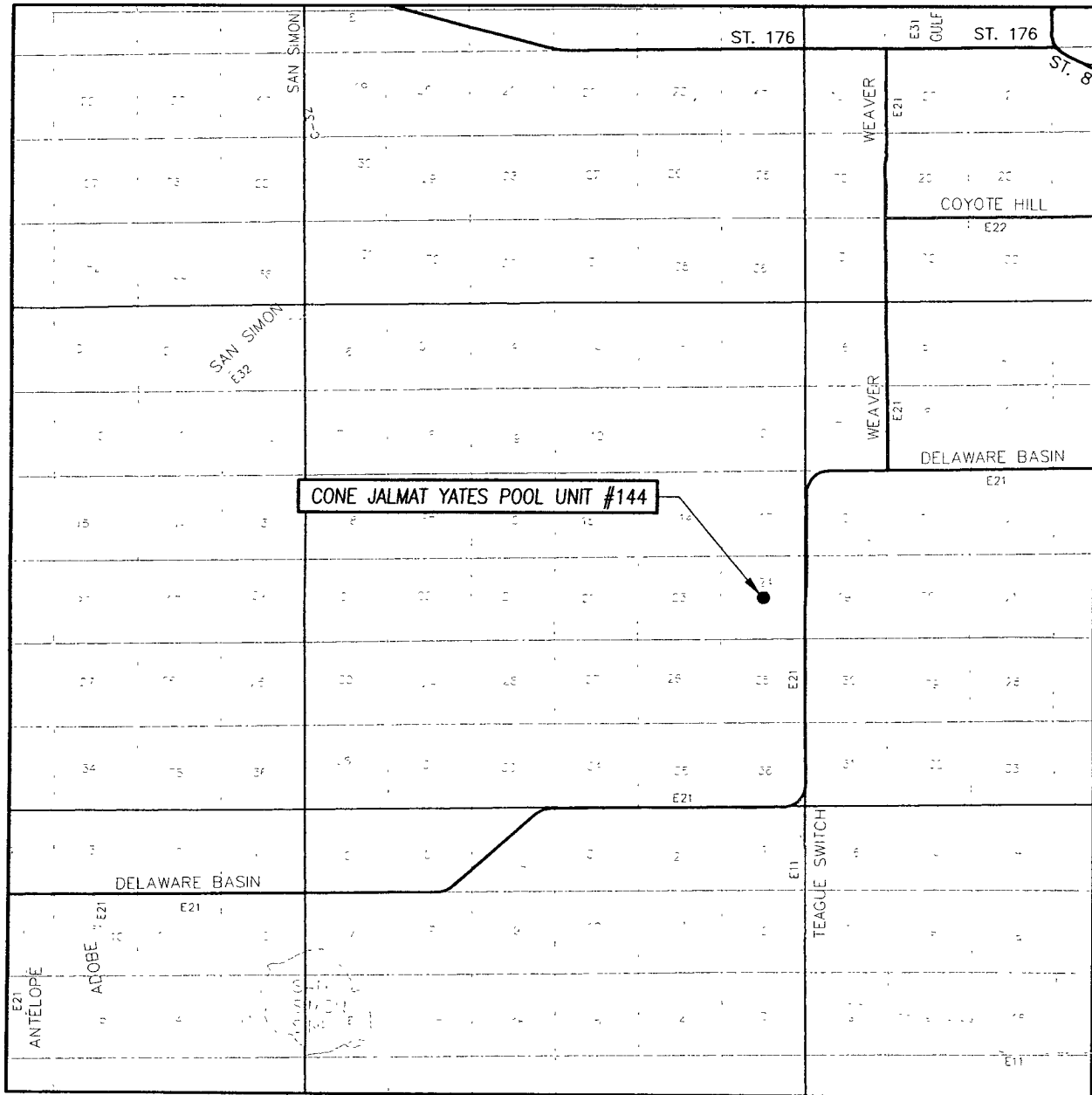
CONE JALMAT YATES POOL UNIT #144 WELL
LOCATED 2630 FEET FROM THE NORTH LINE
AND 2627 FEET FROM THE EAST LINE OF SECTION 24,
TOWNSHIP 22 SOUTH, RANGE 35 WEST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 4/25/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.0581	Dr By: DSS
Date: 4/30/08	Rev 1:N/A
08110581	Scale: 1"=100'



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 24 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2630' FNL & 2627' FEL

ELEVATION 3580'

MELROSE
OPERATOR OPERATING COMPANY

LEASE CONE JALMAT YATES POOL UNIT

