

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 Company		² OGRID Number: 184800 184860	
³ Property Code: 25191		⁴ Property Name: Jalmat Yates Sand Field Unit	
⁵ Proposed Pool 1 23820		⁶ Proposed Pool 2	
⁷ API Number: 30-025-37275		⁸ Well No.: 215	

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
A	23	22S	35E		1320	North	100	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 S	¹⁵ Ground Level Elevation 3589'
¹⁶ Multiple no	¹⁷ Proposed Depth 4200'	¹⁸ Formation Yates	¹⁹ Contractor United Drilling	²⁰ Spud Date 6-9-05
Depth to Groundwater: 300-350'		Distance from nearest fresh water well: none		Distance from nearest surface water: over 5 miles
²¹ Pit: Liner: Synthetic X <u>12</u> mils thick Clay <input type="checkbox"/> Pit Volume: 8000 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'	250 sx	Surface
7 7/8"	5 1/2"	15.5#	4200'	1200 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 to 35', cement with 250 sx CI C cement, circulating to surface. Drill 7 7/8" hole to 4200', run open hole logs, set production casing string to total depth and cement casing with 1200 sx CI C, circulating to surface. Will perforate, stimulate & test.

Development well in waterflood.

No H2S indicated in the Jalmat, Yates.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

NSL-5191

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 ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Ann E. Ritchie

Title: Regulatory Agent

E-mail Address: ann.ritchie@wtor.net

Date: 6-7-05

Phone: 432 684-6381

OIL CONSERVATION DIVISION

Approved by:

Title:

PETROLEUM ENGINEER

Approval Date: JUN 09 2005

Expiration Date:

Conditions of Approval Attached ☐

State of New Mexico

DISTRICT I

1625 N. PERRY DR., MURKIN, NM 86240

Energy, Minerals and Natural Resources Department

DISTRICT II

1801 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

☐ AMENDED REPORT

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Issues - 4 Copies

Per Issue - 3 Copies

API Number 30-025-37275	Pool Code 33820	Pool Name Jalmat; Yates - SA-7R
Property Code 25191	Property Name JYSU	Well Number 215
GRID No. 184860	Operator Name MELROSE OPERATING COMPANY	Elevation 3589'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	22-S	35-E		1320	NORTH	100	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	Joint or Infill	Consolidation Code	Order No.
40 *			Water Flood *NSL-5191

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 information contained herein is true and complete to the best of my knowledge and belief. Signature <u><i>Ann E. Ritchie</i></u> Printed Name <u>Ann E. Ritchie</u> Title <u>Regulatory Agent</u> Date <u>6-7-05</u>
	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. Date <u>JANUARY 28, 2005</u>
	Date Surveyed <u>JAN 28, 2005</u> JR Signature & Seal of Professional Surveyor <u><i>James B. Eipson</i></u> State of New Mexico Certificate No. <u>05-11-0133</u> 12841
	GEODETIC COORDINATES NAD 27 NME Y=503691.1 N X=809854.2 E LAT.=32°22'50.76" N LONG.=103°19'46.70" W

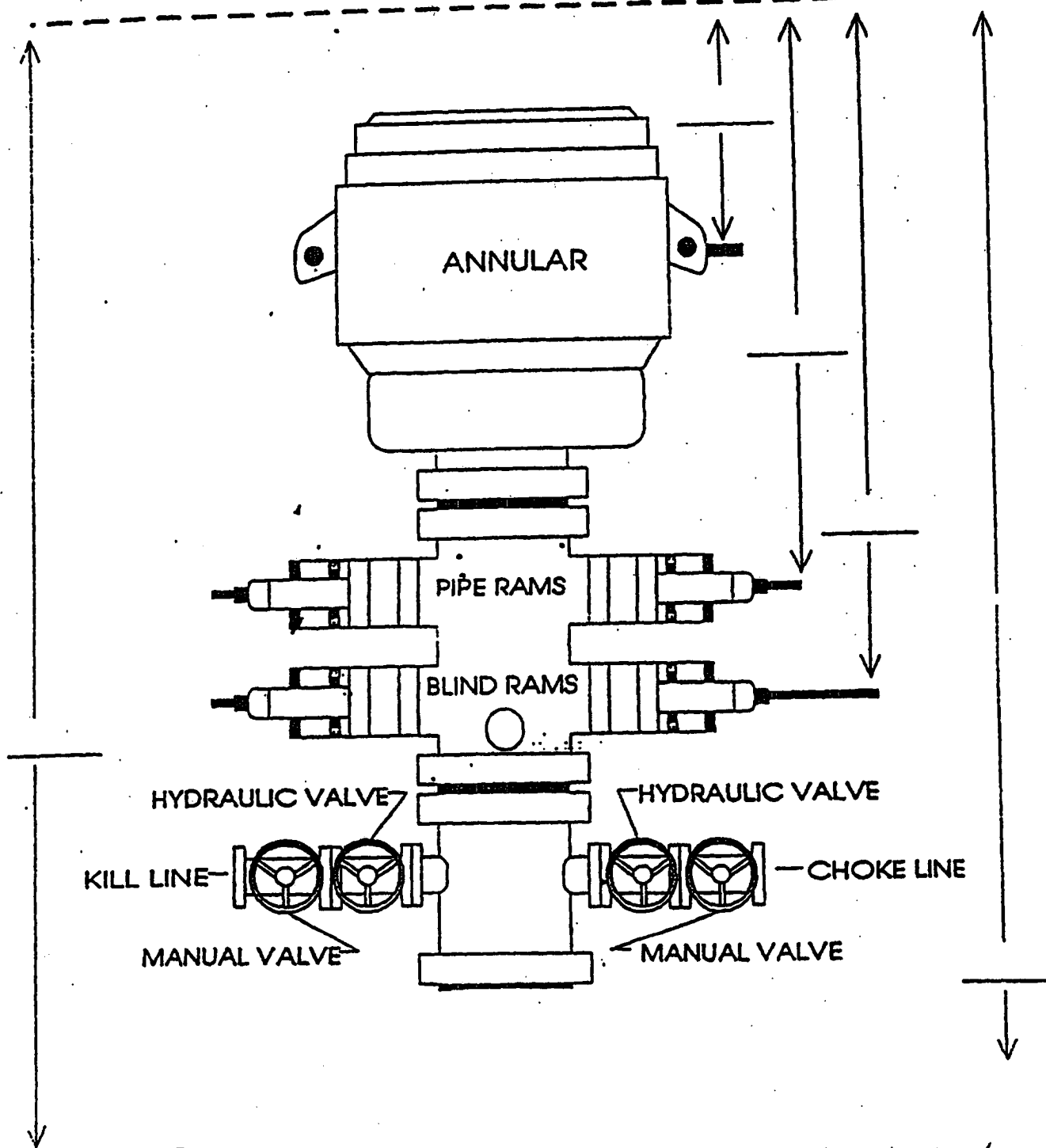
EXHIBIT A

B.O.P. STACK SPACING

SIZE: 3000#

TOP OF ROTARY

12 1/4"



WELL HEAD

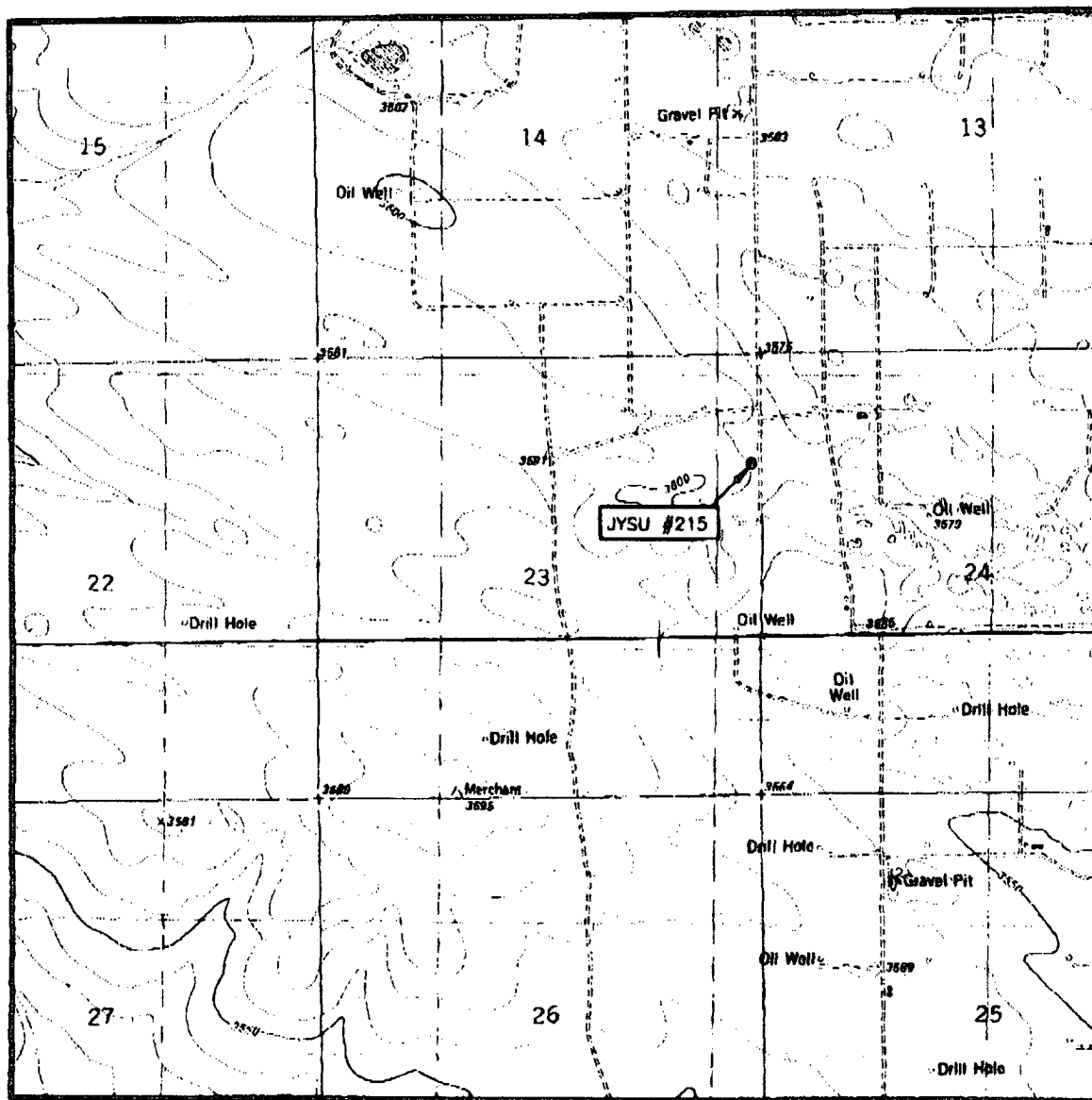
No H₂S indicated in the Talmat, Yates.

WELL JFY5U #216

CONTRACTOR

United Drtg.

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
OIL CENTER, N.M. - 10'
EAST LAKE, N.M. - 10'

SEC. 23 TWP. 22-S. RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA

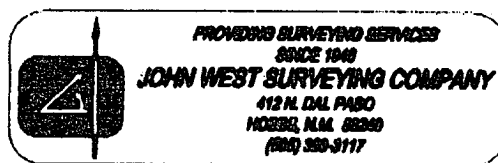
DESCRIPTION 1320' ENL. & 100' FEL

ELEVATION 3589'

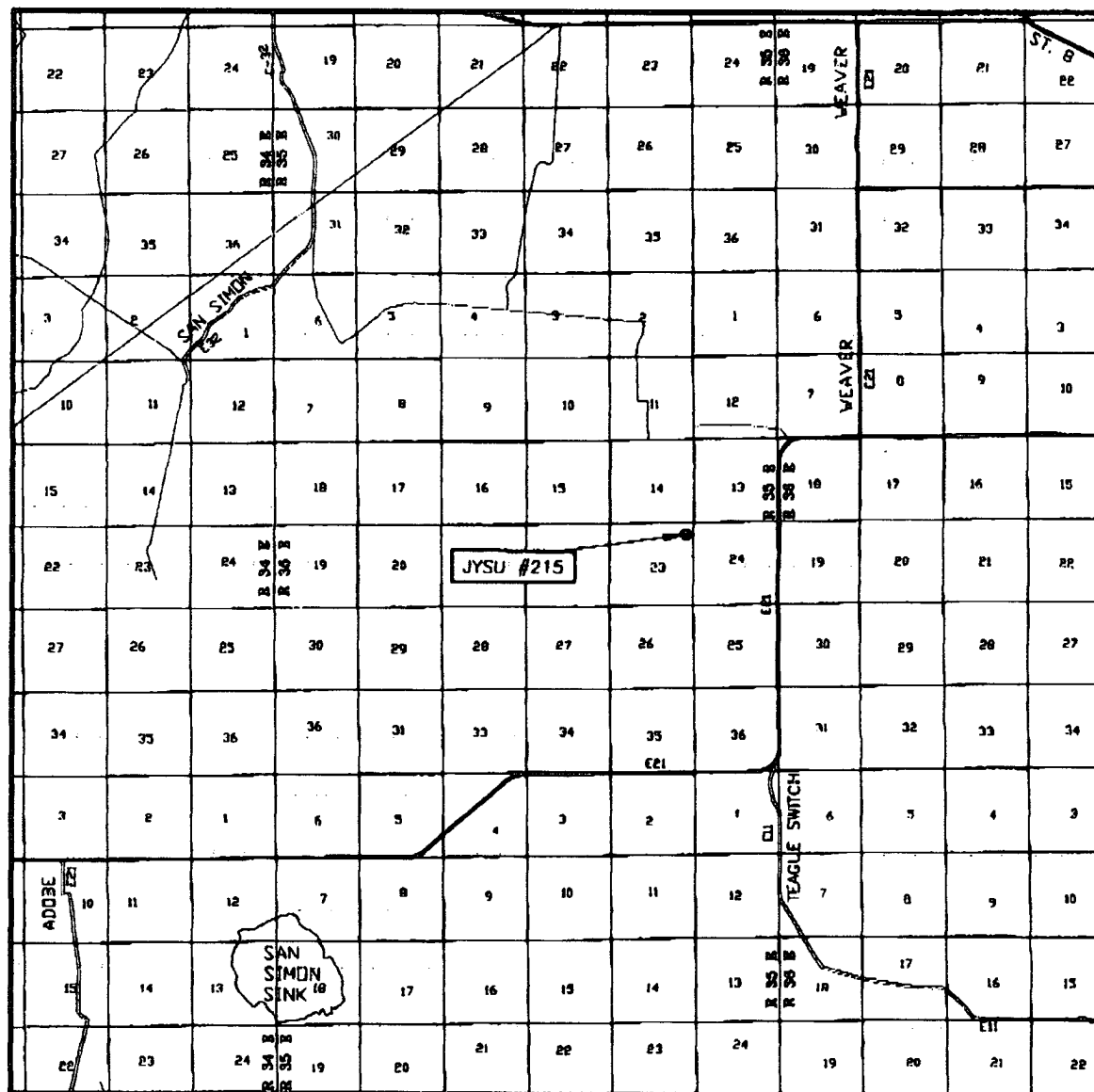
OPERATOR MELROSE
OPERATING COMPANY

LEASE JYSU

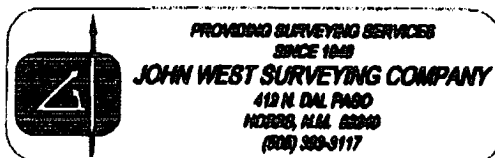
U.S.G.S. TOPOGRAPHIC MAP
OIL CENTER, N.M.



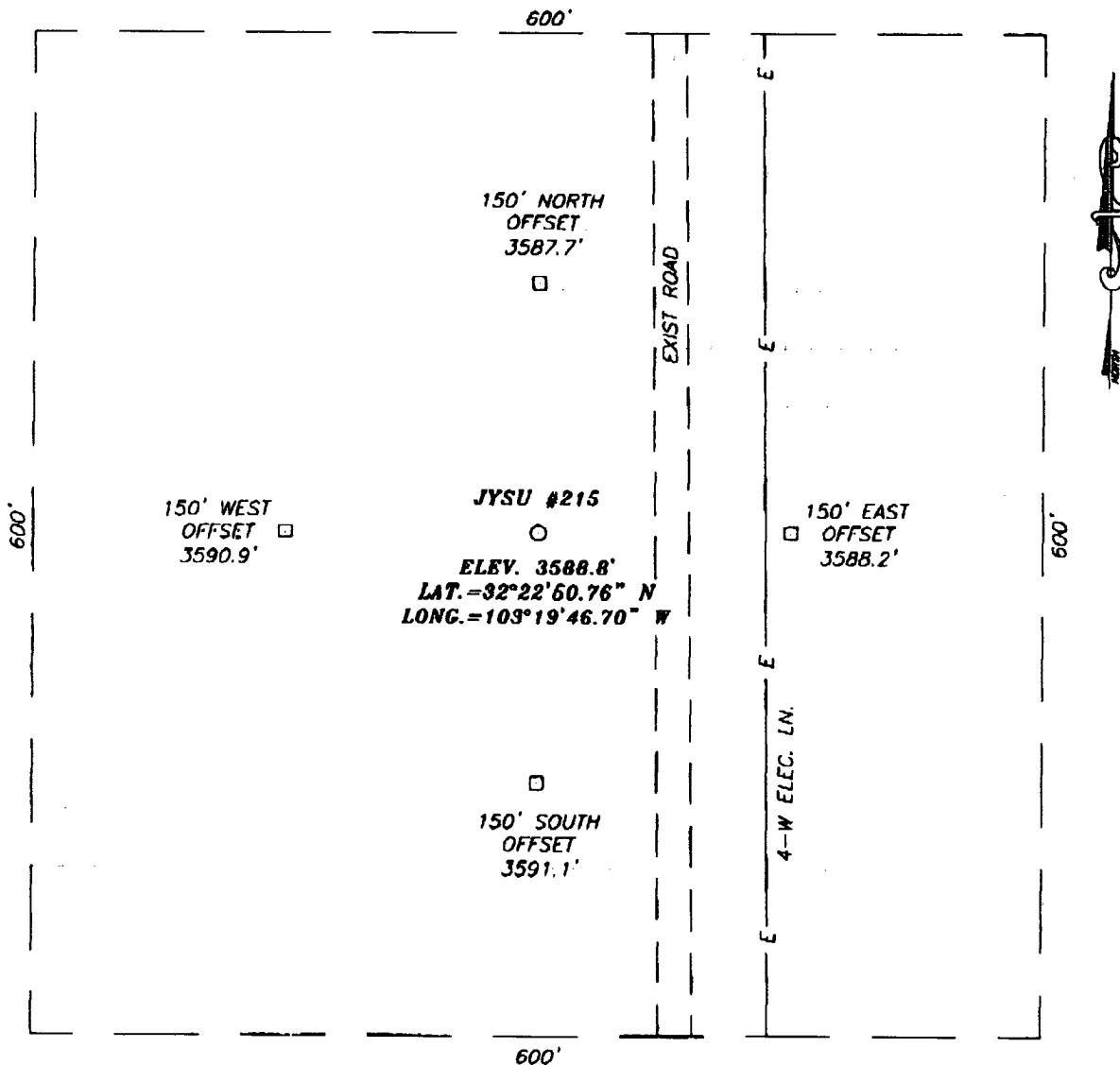
VICINITY MAP



SCALE: 1" = 2 MILES

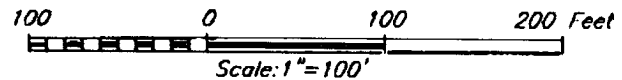
SEC. 23 TWP. 22-S RGE. 35-ESURVEY N.M.P.M.COUNTY LEADESCRIPTION 1320' FNL & 100' FELELEVATION 3589'OPERATOR MELROSE
OPERATING COMPANYLEASE JYSU

SECTION 23, TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #21
 (DELAWARE BASIN RD.) AND WEAVER RD., GO
 WEST CO. RD. #21 FOR APPROX. 0.9 MILES
 TO WHERE THE ROAD BENDS SOUTH. TURN
 RIGHT (NW) AND GO APPROX. 0.2 MILES.
 THEN WEST APPROX. 0.2 MILES. TURN LEFT
 (SOUTH) AND GO APPROX. 1.4 MILES.
 PROPOSED LOCATION IS APPROX. 75' WEST.



MELROSE OPERATING COMPANY

JYSU #215 WELL
 LOCATED 1320 FEET FROM THE NORTH LINE
 AND 100 FEET FROM THE EAST LINE OF SECTION 23,
 TOWNSHIP 22 SOUTH, RANGE 35 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 1/28/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0133	Dr By: J.R. Rev 1: N/A
Date: 2/1/05	Disk: CD#5 05110133 Scale: 1"=100'

