

District I  
PO Box 1980, Hobbs, N.M. 88241-1980  
District II  
P.O. Drawer DD, Artesia, N.M. 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
District IV  
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO 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

|                                                                                                           |                                                            |                                         |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|
| <sup>1</sup> Operator Name and Address<br>Melrose Operating Co.<br>c/o P.O. Box 953, Midland, TX<br>79702 |                                                            | <sup>2</sup> OGRID Number<br>184860     |
|                                                                                                           |                                                            | <sup>3</sup> API Number<br>30-025-35308 |
| <sup>4</sup> Property Code<br>25191                                                                       | <sup>5</sup> Property Name<br>Jalmat Field Yates Sand Unit | <sup>6</sup> Well No.<br>172            |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 11      | 22S      | 35E   |         | 1310          | North            | 2200          | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |          |       |         |               |                  |               |                |        |

9. Proposed Pool 1

Jalmat, Tansill, Yates, Seven Rivers

10. Proposed Pool 2

|                                   |                                       |                                  |                                          |                                               |
|-----------------------------------|---------------------------------------|----------------------------------|------------------------------------------|-----------------------------------------------|
| <sup>11</sup> Work Type Code<br>N | <sup>12</sup> Well Type Code<br>O     | <sup>13</sup> Cable/Rotary<br>R  | <sup>14</sup> Lease Type Code<br>S       | <sup>15</sup> Ground Level Elevation<br>3608' |
| <sup>16</sup> Multiple<br>No      | <sup>17</sup> Proposed Depth<br>4200' | <sup>18</sup> Formation<br>Yates | <sup>19</sup> Contractor<br>United Drlg. | <sup>20</sup> Spud Date<br>12-31-00           |

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'         | 2000 sx         | Surface       |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

22. Describe the proposed program. If this 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" csg., cement to surface. RU BOPs. Drill 7 7/8" hole to 4200, set 5 1/2" csg, cement to surface, RD BOPs & rotary. Perforate Yates & frac. Place well on test.

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.

Signature:

Printed Name: Ann E. Ritchie

Title: Regulatory Agent

Date: 12-13-00

Phone: 915 6846381

OIL CONSERVATION DIVISION

Approved by: [Signature]

Title: [Signature]

Approval Date: [Signature] Expiration Date:

Conditions of Approval:

8 MF

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Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                                      |                           |                                    |
|-----------------------------------|------------------------------------------------------|---------------------------|------------------------------------|
| API Number<br><b>30-025-35308</b> |                                                      | Pool Code<br><b>33820</b> | Pool Name<br><b>Jalmat, T-Y-7R</b> |
| Property Code<br><b>25191</b>     | Property Name<br><b>JALMAT FIELD YATES SAND UNIT</b> |                           | Well Number<br><b>172</b>          |
| OGRID No.<br><b>184860</b>        | Operator Name<br><b>MELROSE OPERATING CO.</b>        |                           | Elevation<br><b>3608</b>           |

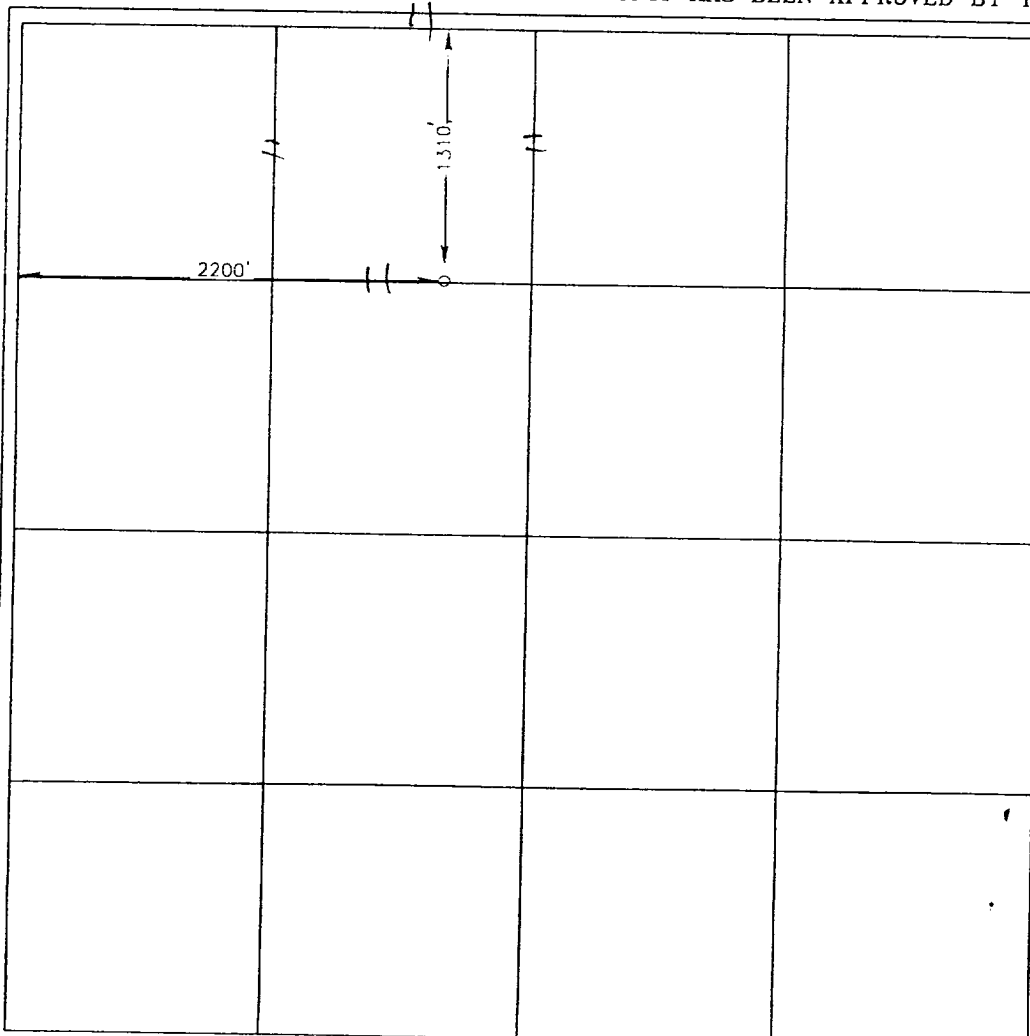
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 11      | 22S      | 35E   |         | 1310          | NORTH            | 2200          | 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<br><b>40</b> | Joint or Infill<br><input checked="" type="checkbox"/> | Consolidation Code | Order No.<br><b>R 10533</b> |         |               |                  |               |                |        |

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]*  
Signature

**Ann E. Ritchie**  
Printed Name

**Regulatory Agent**  
Title

**12-13-00**  
Date

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.

NOVEMBER 28, 2000

Date Surveyed AWB

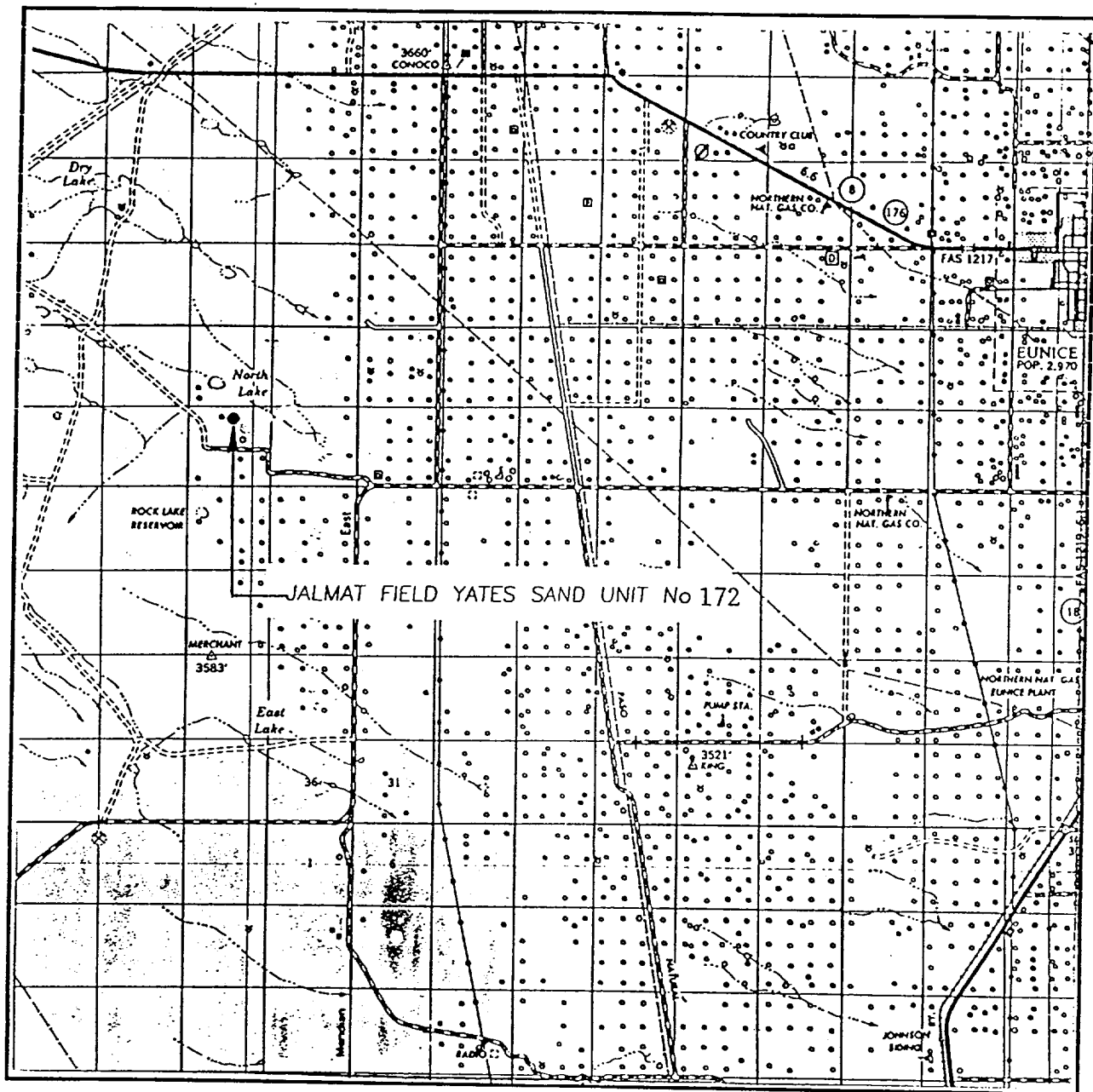
Signature & Seal of Professional Surveyor

*[Signature]*  
12/6/00

00-11-1492

Certificate No. RONALD J. EIDSON 3239  
GARY EIDSON 12641

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 11 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA COUNTY

DESCRIPTION 1310' FNL & 2200' FWL

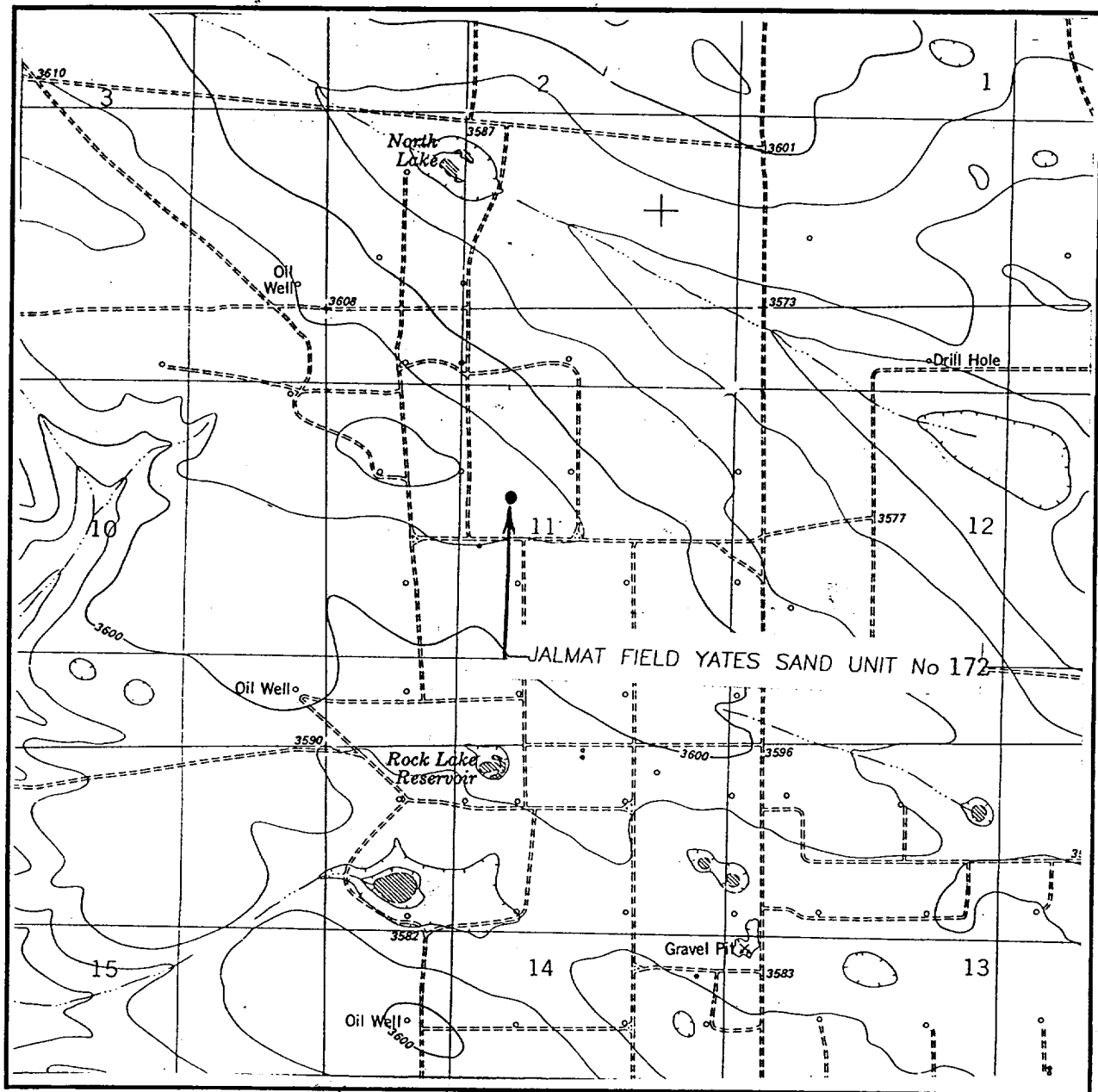
ELEVATION 3608

OPERATOR MELROSE OPERATING CO.

LEASE JALMAT FIELD YATES SAND UNIT

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'  
OIL CENTER, N.M.

SEC. 11 TWP. 22-S RGE. 35-E

SURVEY N.M.P.M.

COUNTY LEA COUNTY

DESCRIPTION 1310' FNL & 2200' FWL

ELEVATION 3608

OPERATOR MELROSE OPERATING CO.

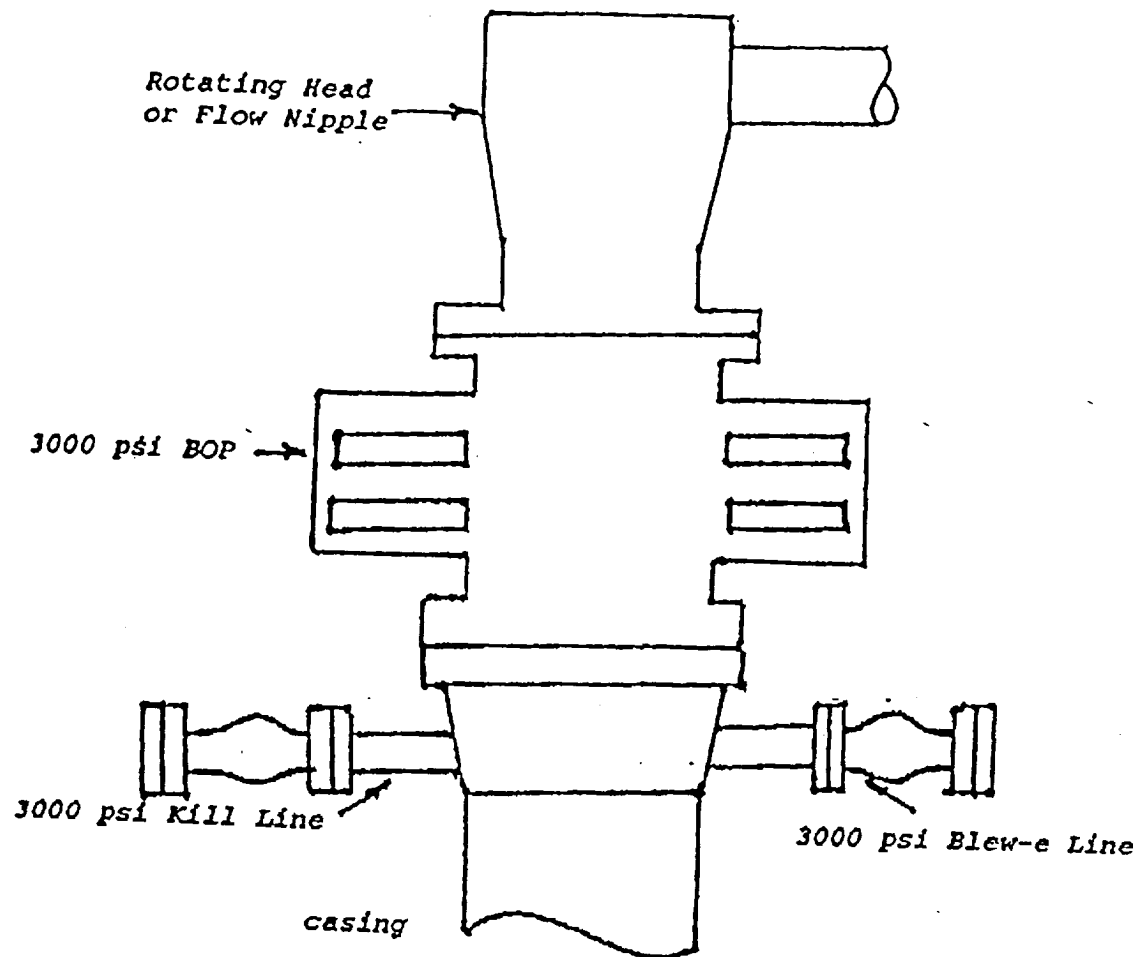
LEASE JALMAT FIELD YATES SAND UNIT

U.S.G.S. TOPOGRAPHIC MAP

OIL CENTER, N.M.

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

Blow Out Preventor Schematic



Melrose Operating Co.  
INC.

Lease: Jalmat Field Yates  
Sand Unit

ABOVE DATE DOES NOT  
INDICATE WHEN  
CONFIDENTIAL LOGS  
WILL BE DECLASSIFIED

ELF