

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

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

|                                                                                                             |                                      |                            |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| Operator Name and Address<br>CONCHO RESOURCES, INC.<br>110 WEST LOUISIANA SUITE 410<br>MIDLAND, TEXAS 79702 |                                      | OGRID Number<br>166111     |
| Property Code<br>24223                                                                                      | Property Name<br>TOMCAT "16" STATE - | API Number<br>30-025-34923 |
|                                                                                                             |                                      | Well No.<br>7              |

Surface Location

| UL or lot no. | Section | Township | Range | Lot 1/4 | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K             | 16      | 23S      | 32E   |         | 1980'         | SOUTH            | 1980'         | WEST           | LEA    |

Proposed Bottom Hole Location If Different From Surface

| UL or lot no.                                | Section | Township | Range | Lot 1/4 | Feet from the | North/South line | Feet from the | East/West line | County |
|----------------------------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| Wildcat;<br>SAND DUNES- BONE SPRING (53800') |         |          |       |         |               |                  |               |                |        |

|                     |                         |                          |                       |                                 |
|---------------------|-------------------------|--------------------------|-----------------------|---------------------------------|
| Work Type Code<br>N | Well Type Code<br>O     | Cable/Rotary<br>ROTARY   | Lease Type Code<br>S  | Ground Level Elevation<br>3690' |
| Multiple<br>NO      | Proposed Depth<br>9100' | Formation<br>Bone Spring | Contractor<br>Unknown | Spud Date<br>When approved      |

Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC  |
|-----------|-------------|--------------------|---------------|-----------------|----------------|
| 25"       | 20"         | Conductor          | 40'           | Redi-mix        | Surface        |
| 17 1/2"   | 13 3/8"     | 48                 | 650'          | 550 Sx.         | Surface        |
| 11"       | 8 5/8"      | 32                 | 4900'         | 1400 Sx.        | 450' From Sur. |
| 7 7/8"    | 5 1/2"      | 15.5 & 17          | 9100'         | 500 Sx.         | 7600' " "      |

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.

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 650'. Run and set 650' of 13 3/8" H-40 48# ST&C casing. Cement with 550 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 11" hole to 4900'. Run and set 4900' of 8 5/8" 32# J-55 ST&C casing. Cement with 1400 Sx. of Class "C" cement + additives, estimate top of cement 450' from surface, 200' into 13 3/8" casing.
4. Drill 7 7/8" hole to 9100. Run and set 9100' of 5 1/2" 15.5# & 17# J-55 LT&C casing. Cement with 500 Sx. of SuperClass "H" cement + additives, estimate top of cement 7600'.

Permit Expires 1 Year From Approval  
Date Unless Drilling Continues

|                                                                                                                                                                                                                    |  |                                                                                                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <i>Joe T. Janice</i><br>Printed name: Joe T. Janice<br>Title: Agent<br>Date: 02/09/00 |  | OIL CONSERVATION DIVISION<br>Approved by: ORIGINAL SIGNATURE OF DISTRICT SUPERVISOR<br>Title:<br>Approval Date: 2/9/00<br>Expiration Date:<br>Conditions of Approval:<br>Attached <input type="checkbox"/> |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

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>30-025-34923</b> | Pool Code<br><b>-53800</b>                     | Pool Name<br><b>wildcats<br/>SAND DUNES-BONE SPRING</b> |
| Property Code<br><b>24223</b>     | Property Name<br><b>TOMCAT "16" STATE</b>      | Well Number<br><b>7</b>                                 |
| OGRID No.<br><b>166111</b>        | Operator Name<br><b>CONCHO RESOURCES, INC.</b> | Elevation<br><b>3690</b>                                |

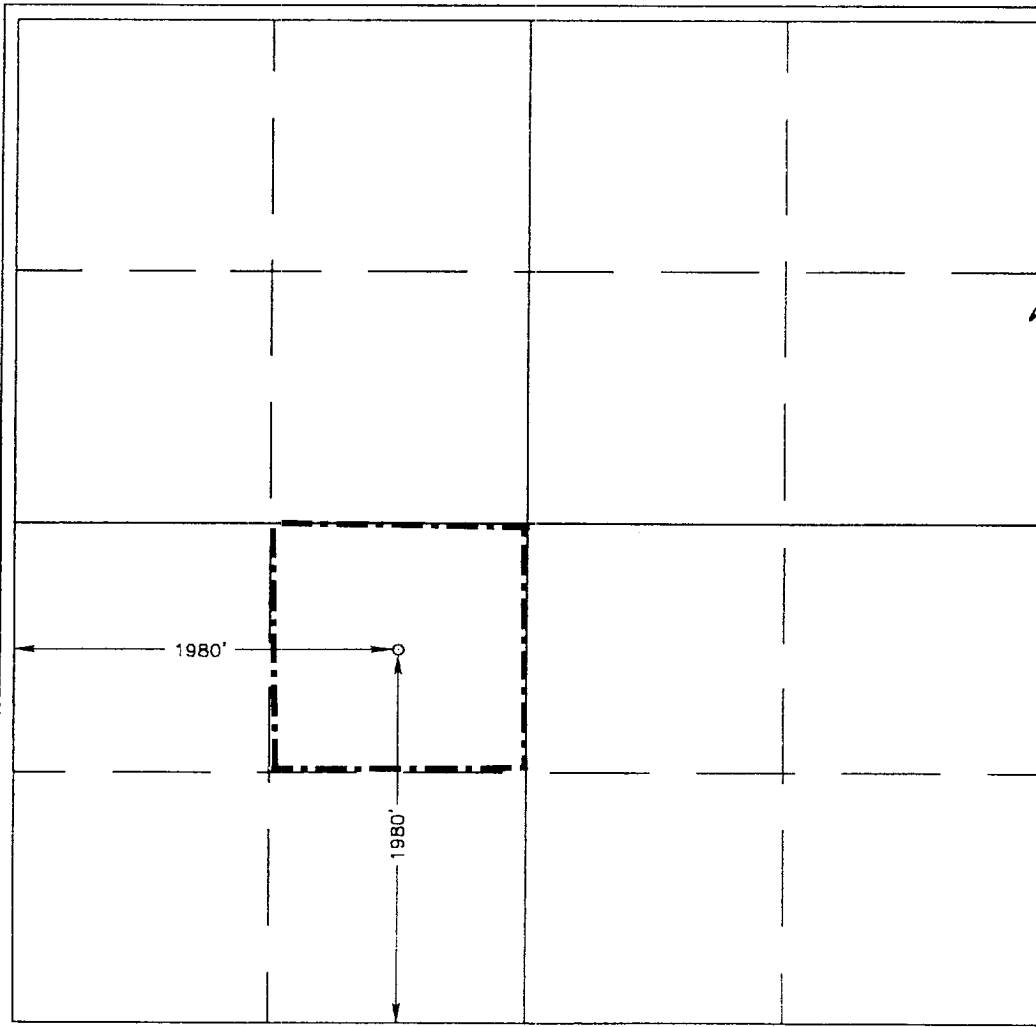
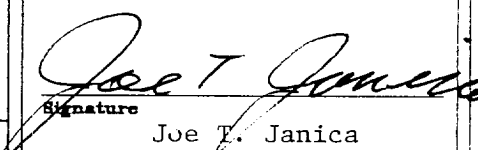
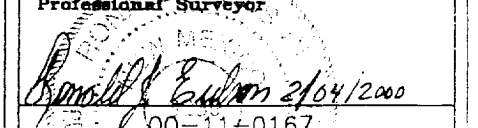
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K             | 16      | 23 S     | 32 E  |         | 1980          | SOUTH            | 1980          | WEST           | LEA    |

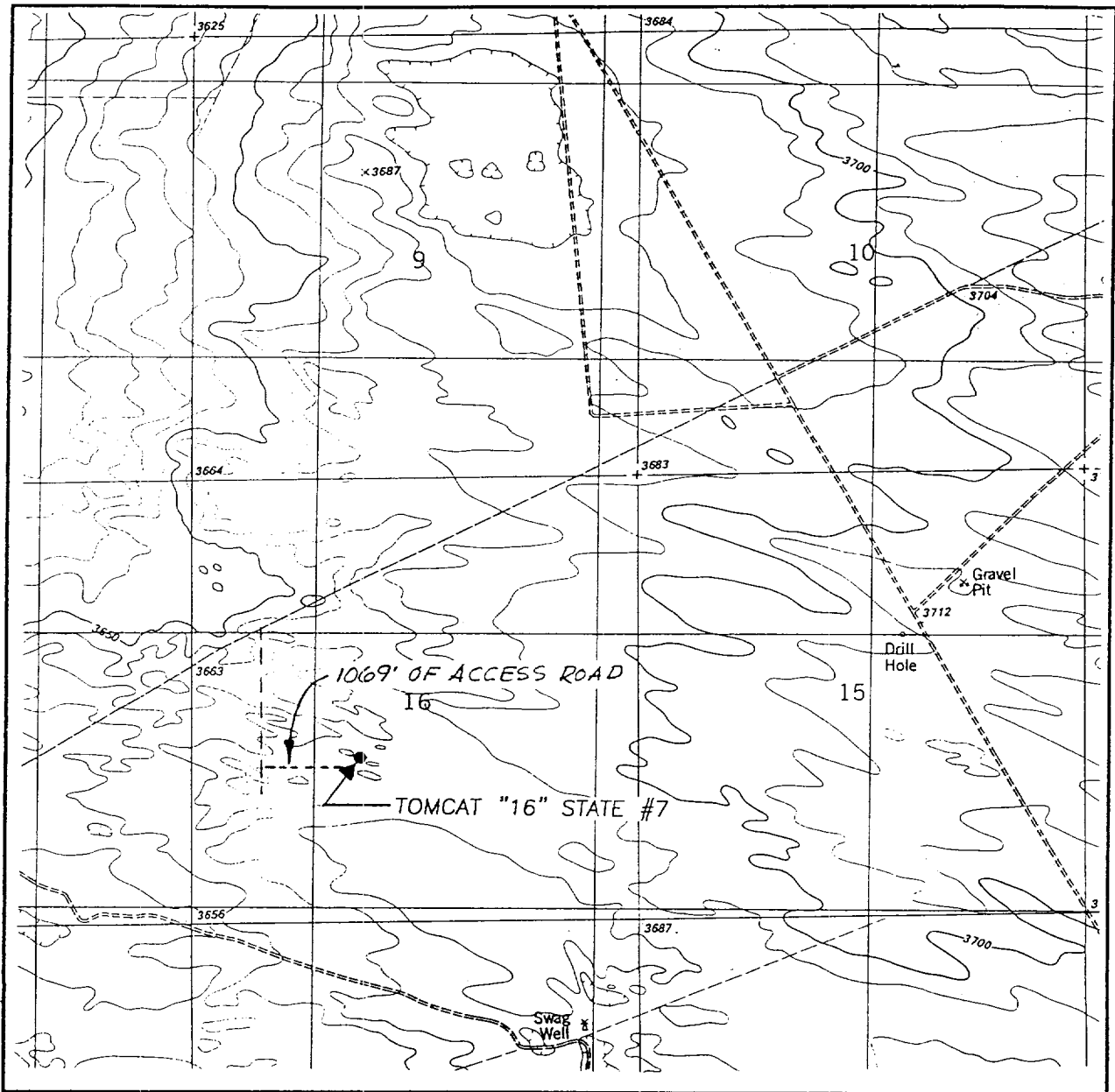
Bottom Hole Location If Different From Surface

| 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 | 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

|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>OPERATOR CERTIFICATION</b><br><br>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.<br><br><br>Signature<br>Joe T. Janica<br>Printed Name<br>Agent<br>Title<br>02/09/00<br>Date                                                                                                        |
|                                                                                    | <b>SURVEYOR CERTIFICATION</b><br><br>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.<br><br>FEBRUARY 4, 2000<br>Date Surveyed<br>Signature & Seal of Professional Surveyor<br><br>00-11-0167 |
|                                                                                    | Certificate No. RONALD J. EIDSON 3239<br>GARY EIDSON 12641<br>MACON McDONALD 12185                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
BOOTLEG RIDGE, N.M. - 10'

SEC. 16 TWP. 23-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 3690

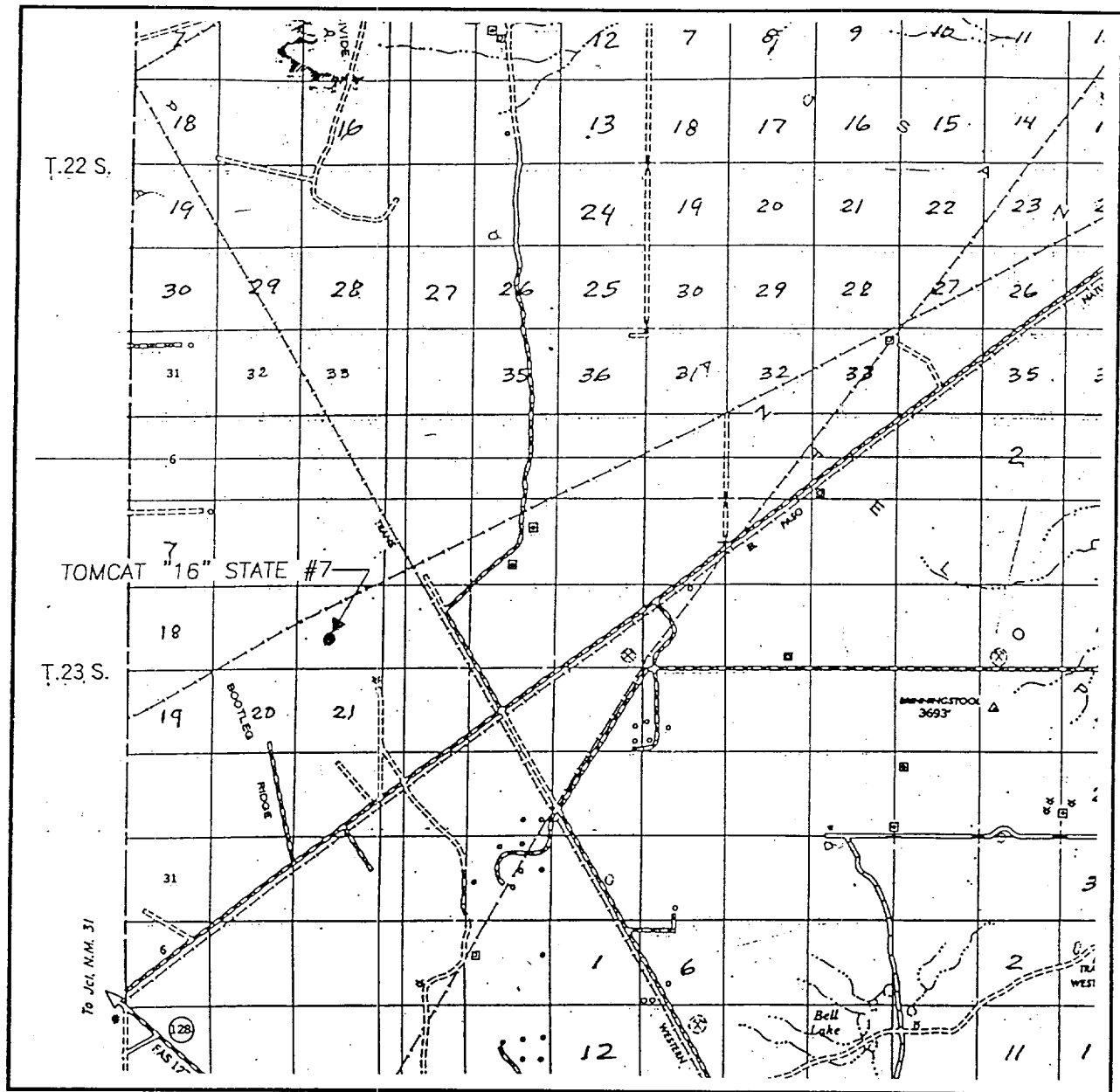
OPERATOR CONCHO RESOURCES, INC.

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

LEASE TOMCAT "16" STATE

U.S.G.S. TOPOGRAPHIC MAP  
BOOTLEG RIDGE, N.M.

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 23-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 1980' FWL

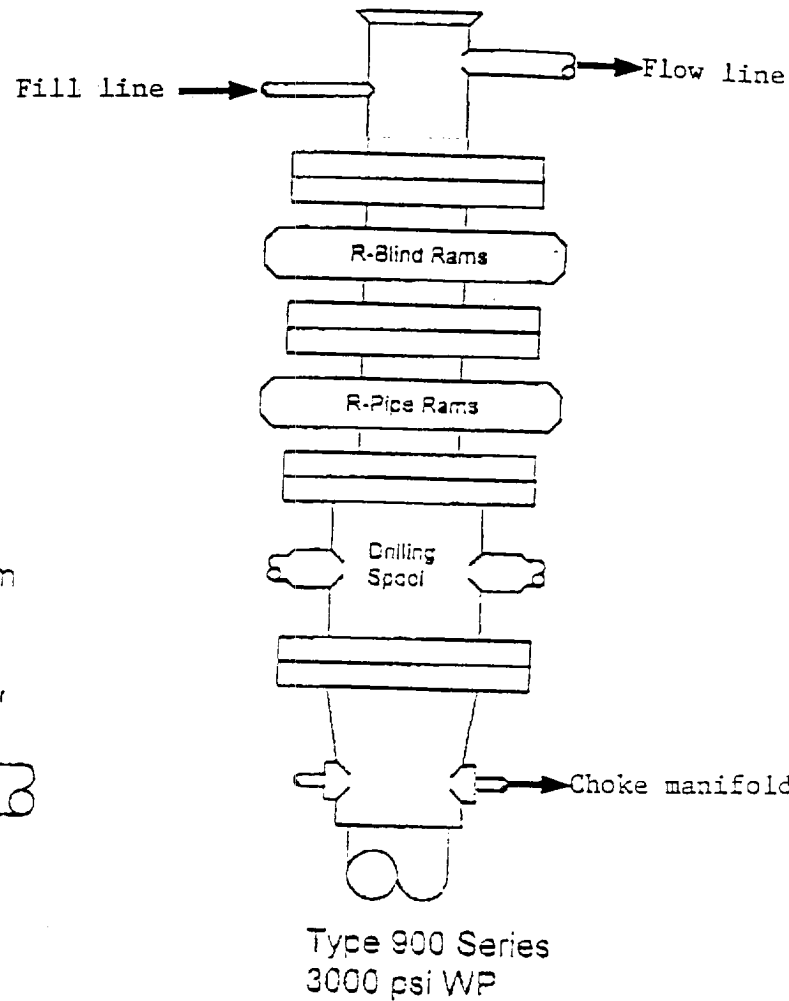
ELEVATION 3690

OPERATOR CONCHO RESOURCES, INC.

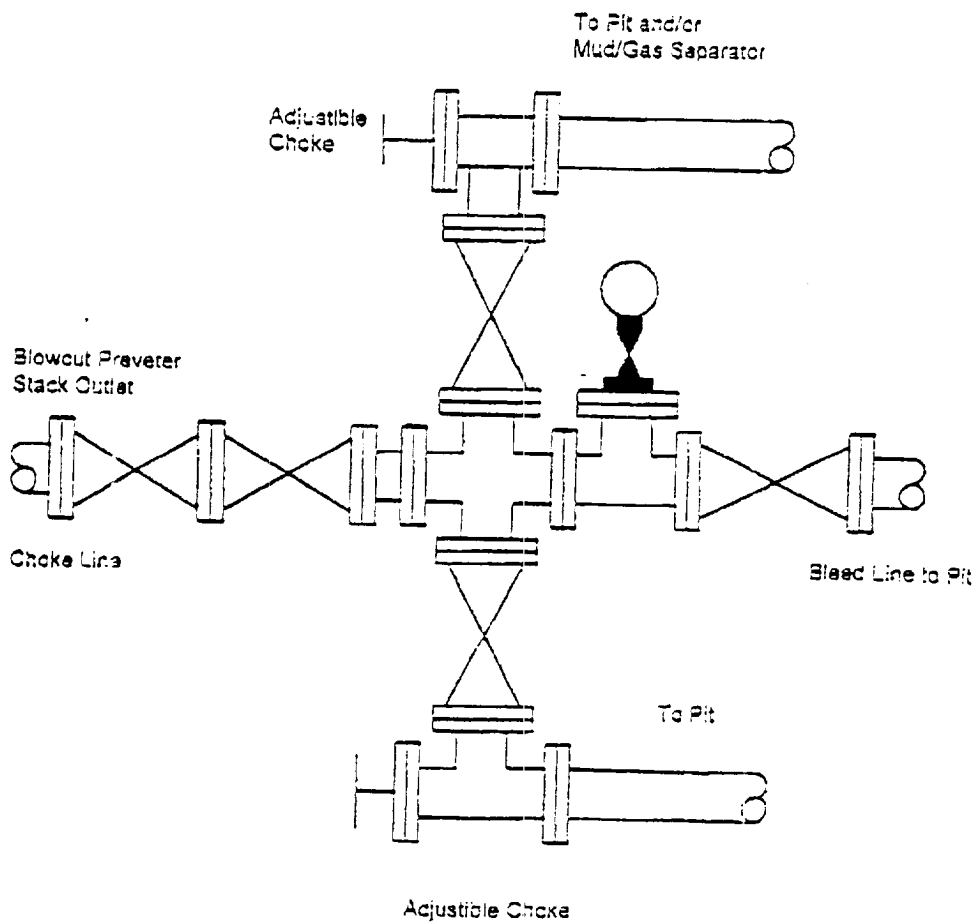
LEASE TOMCAT "16" STATE

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

# BLOWOUT PREVENTER SYSTEM



Choke Manifold Assembly for 3M WP System



ABOVE DATE DOES NOT  
INDICATE WHEN  
CONFIDENTIAL LOGS  
WILL BE RELEASED

ELF