

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 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

| | | |
|--|---|---|
| ¹ Operator Name and Address. CONCHO RESOURCES, INC. 110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79701 | | ² OGRID Number 166111 |
| ⁴ Property Code 24223 | ³ Property Name TOMCAT "16" STATE | ⁵ API Number 30-025-34811 |
| | | ⁶ Well No. 5 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 16 | 23S | 32E | | 660 | NORTH | 660' | WEST | LEA |

⁸ Proposed Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

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|--|-------------------------------|
| ⁹ Proposed Pool 1 SAND DUNES-BONE SPRING (53800) | ¹⁰ Proposed Pool 2 |
|--|-------------------------------|

| | | | | |
|-----------------------------------|---------------------------------------|--|-------------------------------------|---|
| ¹¹ Work Type Code N | ¹² Well Type Code O | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 3659' |
| ¹⁶ Multiple NO | ¹⁷ Proposed Depth 9100' | ¹⁸ Formation BONE SPRING | ¹⁹ Contractor UNKNOWN | ²⁰ Spud Date WHEN APPROVED |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 25" | 20" | NA | 40' | Redi-mix | Surface |
| 17½" | 13 3/8" | 48 | 650' | 550 Sx. | Surface |
| 11" | 8 5/8" | 32 | 4900' | 1400 Sx | 450' |
| 7 7/8" | 5½" | 15.5 & 17 | 9100' | 500 Sx. | 7600' |
| | | | | | |

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.

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 17½" hole to 650'. Run and set 650' of 13 3/8" 48# H-40 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# S-80 & J-55 LT&C casing. Cement with 1400 Sx. of Class "C" cement + additives estimate top of cement 450'.
4. Drill 7 7/8" hole to 9100'. Run and set 9100' of 5½" 15.5 & 17# K-55 LT&C casing. Cement with 550 Sx. of Super Class "H" cement + additives, estimate top of cement 7600'.

Permit Expires 1 Year From Approval
Dro Leases Drilling Underway

| | | | |
|--|--|---|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Joe T. Janica</i> Printed name: Joe T. Janica Title: Agent Date: 12/21/99 | | OIL CONSERVATION DIVISION Approved by: <i>DAVID WILLIAMS</i> Title: Approval Date: 12/23/99 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/> | |
| Phone: 505-391-8503 | | | |

DISTRICT II
F.O. Brewer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Elia Brason 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 30-025-34811 | Pool Code 53800 | Pool Name SAND DUNES-BONE SPRING |
| Property Code 24233 | Property Name TOMCAT 16 STATE | Well Number 5 |
| OGUID No. 166111 | Operator Name CONCHO RESOURCES, INC. | Elevation 3659 |

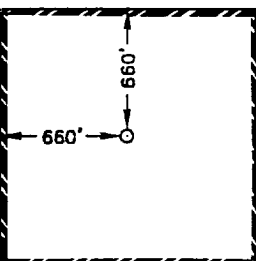
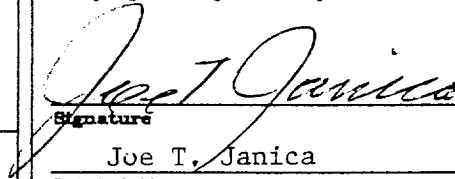
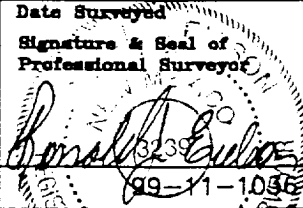
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 16 | 23 S | 32E | | 660 | NORTH | 660 | WEST | LEA |

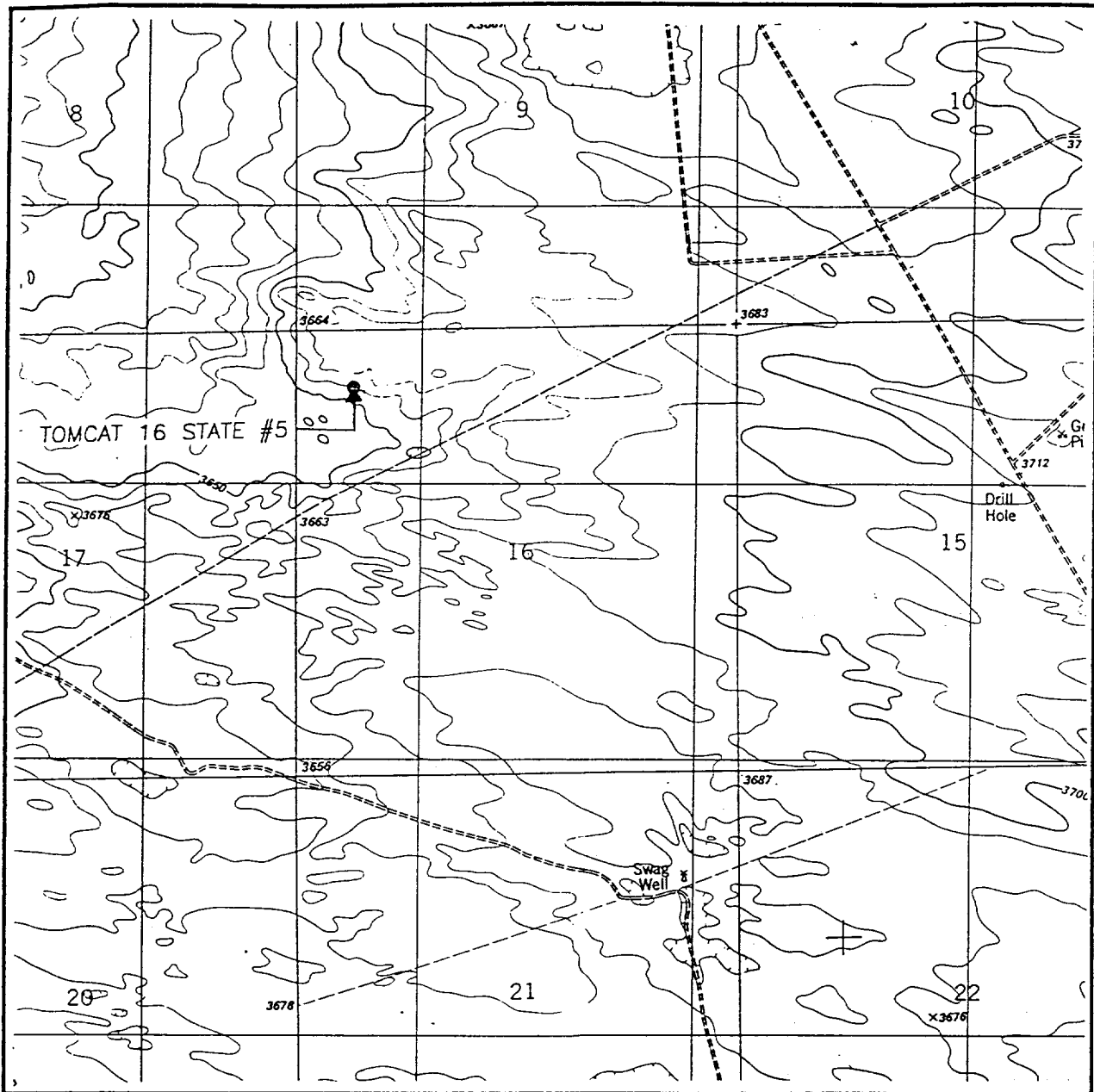
Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|-----------------------|-----------------|--------------------|-------|-----------|---------------|------------------|---------------|----------------|--------|
| 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

| | | |
|---|---|--|
|  | OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i>  _____ Signature Joe T. Janica _____ Printed Name Agent _____ Title 12/21/99 _____ Date | |
| | SURVEYOR CERTIFICATION <i>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.</i> DECEMBER 6, 1999 _____ Date Surveyed LMP Signature & Seal of Professional Surveyor  _____ 3239 99-11-1036 12-09-99 _____ Certificate No. RONALD E. KIDSON 3239 LARRY EIDSON 12841 MAGNUS McDONALD 12185 | |

LOCAT. ON 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 660' FNL & 660' FWL

ELEVATION 3659

OPERATOR CONCHO RESOURCES, INC.

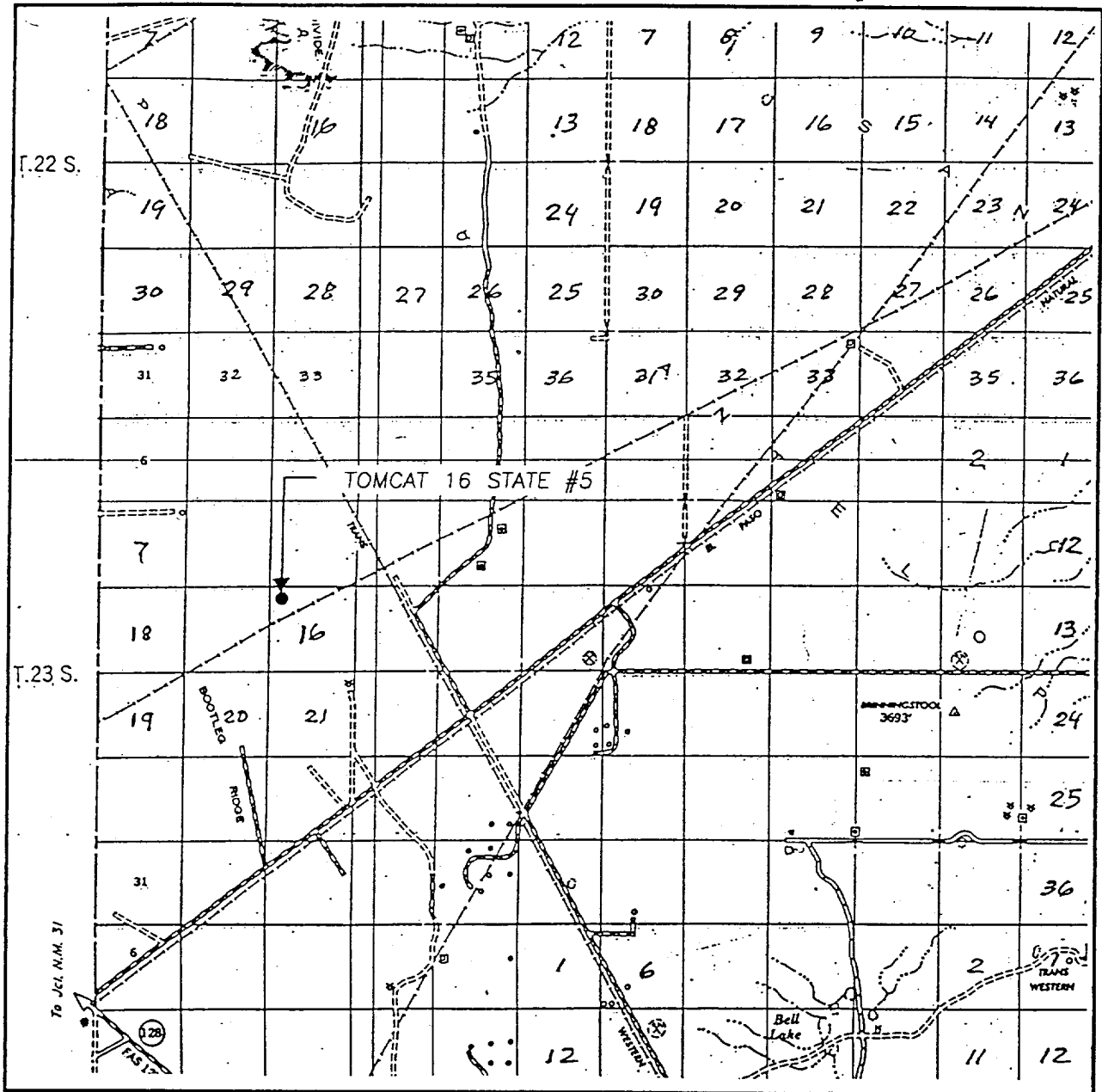
LEASE TOMCAT 16 STATE

U.S.G.S. TOPOGRAPHIC MAP

BOOTLEG RIDGE, N.M.

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 23-S RGE. 32-E
 SURVEY N.M.P.M.
 COUNTY LEA
 DESCRIPTION 660' FNL & 660' FWL
 ELEVATION 3659
 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

