

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

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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 OIL & GAS CORP. 110 W. LOUISIAN STE 410 MIDLAND, TX 79701		² OGRID Number 193407
		³ API Number 30 - 025 - 35778
³ Property Code 27352	⁵ Property Name Manzanita State	⁶ Well No. 2

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
D	16	20S	35E		660	NORTH	660	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 Featherstone, Bone Spring					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 3699'
¹⁶ Multiple S	¹⁷ Proposed Depth 10,900	¹⁸ Formation Bone Spring	¹⁹ Contractor Patterson Drlg	²⁰ Spud Date 12-15-01

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
25	20		40	Redi Mix	SURF
17-1/2	13-3/8	48	400	430	SURF
12-1/4	8-5/8	32	4600	1500	SURF
7-7/8	5-1/2	17	10900	800	6000

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.

Concho Oil & Gas Corp. respectfully requests approval to drill the Manzanita State No. 2 well according to the following procedure:

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe & cmt to surface w/ Redi-Mix.
2. Drill 17-1/2" hole to 400' w/ spud mud. Run 400', 13-3/8", 48# csg & cmt w/ 430 sx cmt back to surface.
3. NU annular preventor. Test annular & csg to 1000#.
4. Drill 11" hole w/ native brine to 4600'. Run 4600', 8-5/8", 32# csg & cmt w/ 1500 sx cmt back to surface. NU 5000# BOP. Test BOP to 3000#.
5. Drill 7-7/8" hole w/ cut brine to 6700'. Mud up & drill to 10900'. Run 5-1/2", 17# csg & cmt w/ 800 sx - est. TOC @ 6000'.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Terri Stathem

Title: Production Analyst

Date: 12-3-01

Phone: (915) 683-7443

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY
GARY V. WINK

Title:

NATURAL SCIENCE MANAGER - 2

Approval Date: DEC 4 2001

Expiration Date:

Conditions of Approval:

Attached ☐

Permit Expires 1 Year From Approval
Data Unless Drilling Underway

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

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

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

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30025 - 35778	Pool Code 24250	Pool Name Featherstone Bone Spring
Property Code 27352	Property Name MANZANITA STATE	Well Number 2
OGRID No. 193407	Operator Name CONCHO OIL & GAS, INC.	Elevation 3699'

Surface Location

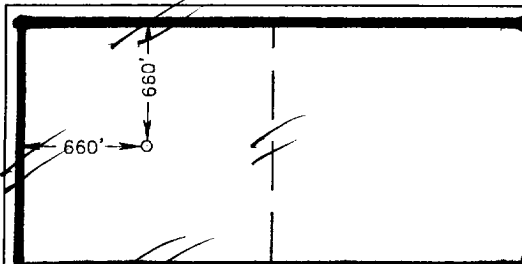
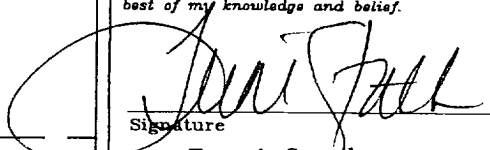
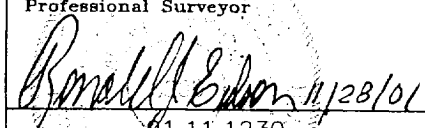
UL or lot No. D	Section 16	Township 20-S	Range 35-E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 660	East/West line WEST	County LEA
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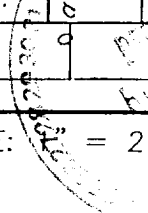
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 80.40	Joint or Infill	Consolidation Code	Order No.
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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 NMSPC EZ NAD 27 Y = 575247.7 X = 766476.7 LAT. = 32°24'42.54"N LONG. = 103°28'05.72"W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature Terri Statham Printed Name Production Analyst Title 12/3/01 Date</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>NOVEMBER 26, 2001</p> <p>Date Surveyed Signature & Seal of Professional Surveyor  11.11.1230 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12841</p>
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JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



MONUMENT SW. 9 N.M.

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

DATE ABOVE
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

[Signature]