

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. Yates Petroleum Corporation 105 S. 4th Street Artesia, New Mexico 88210		² OGRID Number 025575
		³ API Number 30-025-34531
⁴ Property Code 23848	⁵ Property Name Anderson AST State Com.	⁶ Well No. 1

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
L	14	16S	32E		1980'	South	1310'	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
⁹ Proposed Pool 1 Anderson Ranch Morrow (Gas)					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4292'
¹⁶ Multiple No	¹⁷ Proposed Depth 12000'	¹⁸ Formation Morrow	¹⁹ Contractor Undesignated	²⁰ Spud Date ASAP

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	11 3/4"	42#	400'	300 sacks	Circulate
11"	8 5/8"	32#	4600'	1300 sacks	Circulate
7 7/8"	5 1/2"	17#	12900'	750 sacks	8500'

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.

SEE ATTACHED DRILLING PROGRAM

ADMINISTRATIVE ORDER NSL-4160

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:

Clifton R. May

Printed name:

CLIFTON R. MAY

Title:

REGULATORY AGENT

Date:

November 5, 1998

Phone:

505-748-4347

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY ANDIS WILLIAMS

Title:

DISTRICT REG. AGENT

Approval Date:

Nov 17 1998

Expiration Date:

Conditions of Approval:

Attached ☐

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3D-025- 34531	Pool Code 7024D	Pool Name ANDERSON RANCH MORROW GAS
Property Code 23848	Property Name ANDERSON "AST" STATE COM.	Well Number 1
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 4292

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	14	16S	32E		1980	SOUTH	1310	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 320	Joint or Infill	Consolidation Code		Order No. NSL-4160					

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 that the information contained herein is true and complete to the best of my knowledge and belief.</i> <u>Clifton R. May</u> Signature Clifton R. May Printed Name Regulatory Agent Title November 5, 1998 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> 11/03/98 Date Surveyed <u>[Signature]</u> Signature & Seal of Professional Surveyor

Drilling Program

Yates Petroleum Corporation proposes to drill and test the Morrow and Intermediate Formations. Approximately 400' of surface casing will be set and cement circulated to surface. Approximately 4600' of intermediate casing will be set and cement circulated to surface. If commercial, production casing will be ran to TD, cemented back to 500' above the Woldcamp formation, perforated and simulated as needed to gain production.

Mud Program:

Spud to 400' with FW Gel, Paper and LCM, weight of 8.6-9.6

400' to 4600' with Brine, weight 10.0-10.2

4600' to 8900' with Cut Brine, weight 8.6-8.8

8900' to 11200' with Salt Gel / Starch, weight 8.9-9.1

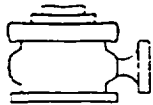
11200' to TD with Salt Gel / Starch / 2% KCL, weight 9.6-10

Bope Program:

Yates will use a 5000 PSI pressure system, Annular with Double Ram Preventer Stack to be nipped up on the 8 5/8" casing.

Logging Suite:

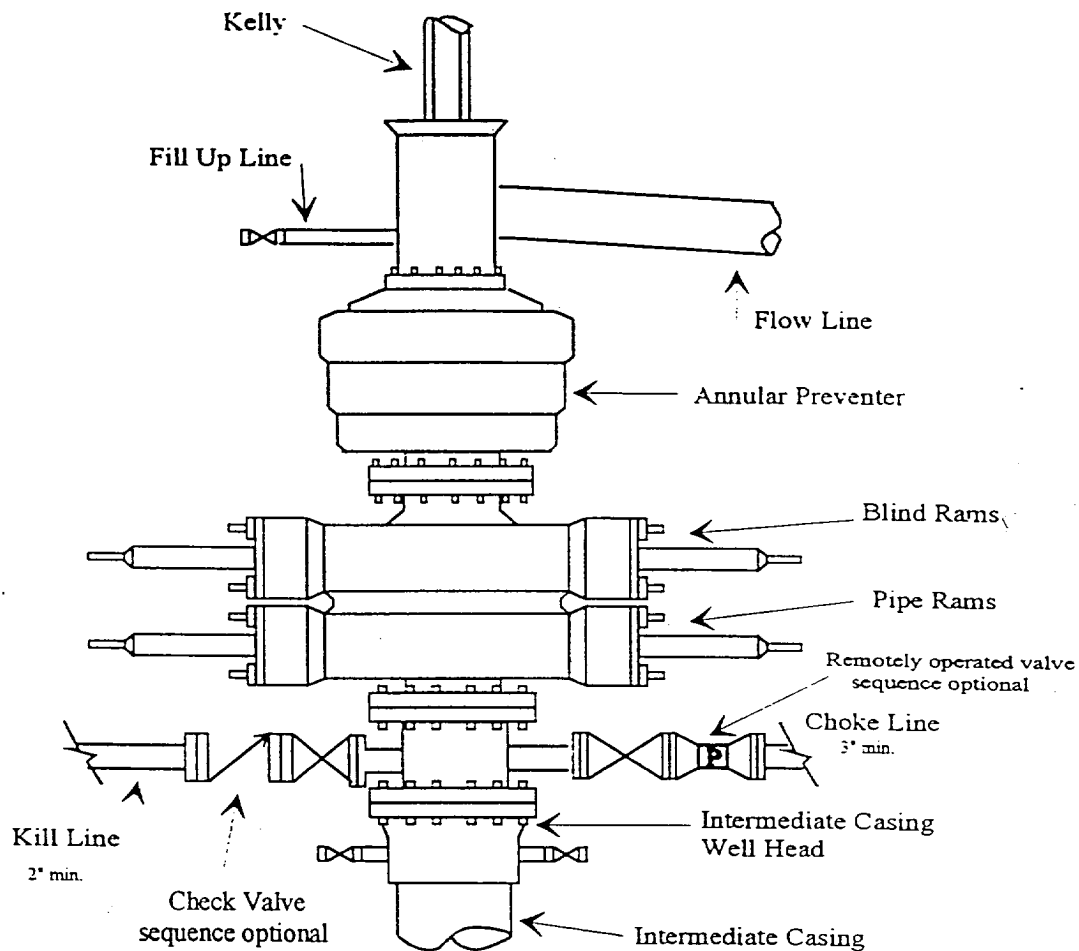
Platform Express	CNL / Density / GR - TD to intermediate casing
	DILL / GR - TD to intermediate casing
	GR / CNL - TD to surface



Yates Petroleum Corporation

BOP-4

Typical 5,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features

