

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

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 87501

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PO BOX 2088
Santa Fe, NM 87504-2088

Form C-101
Revised March 17, 1999
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 South Fourth Street Artesia, New Mexico 88210		² OGRID Number 025575
		³ API Number 30-025-35517
⁴ Property Code 27968	⁵ Property Name Dizzy "AYX" State	⁶ Well No. 1

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
H	34	12S	36E		1980	North	660	East	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 Tatum Morrow					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 3961'
¹⁶ Multiple No	¹⁷ Proposed Depth 13000'	¹⁸ Formation Morrow	¹⁹ Contractor Not Determined	²⁰ Spud Date 1-May-01

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	11 3/4"	42#	400'	400 sx	Circulate
11"	8 5/8"	32#	4600'	1450 sx	Circulate
7 7/8"	5 1/2"	17# & 20#	13000'	800 sx	TOC-7200

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 productivity. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE ATTACHED SHEETS

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: <i>Cliffon R. May</i>		OIL CONSERVATION DIVISION	
Printed name: Cliffon R. May		Approved by:	
Title: Regulatory Agent		Title:	
Date: 04/18/01	Phone: (505) 748-1471	Approval Date:	Expiration Date:
		Conditions of Approval Attached <input type="checkbox"/>	

WPC

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m8

YATES PETROLEUM CORPORATION

Dizzy "AYX" State #1
1980' FNL & 660' FEL
Section 34-T12S-R36E
Lea County, New Mexico
Lease Number VA-1480

DRILLING PROGNOSIS

1. PRESSURE CONTROL EQUIPMENT

A 5000 PSI BOPE System will be nipped up on the 8 5/8" casing and tested daily for Operational. See the attached 5000 PSI schematic.

2. THE PROPOSED CASING PROGRAM

Hole Size	Casing Size	WT/LF	Grade	Join	Interval
14 3/4"	11 3/4"	42#	H-40	ST&C	0-400'
11"	8 5/8"	32#	J-55	ST&C	0-4600'
7 7/8"	5 1/2"	17#	S-95	LT&C	0-1500'
7 7/8"	5 1/2"	17#	L-80	LT&C	1500'-10000'
7 7/8"	5 1/2"	17#	HCP-110	LT&C	10000-12000'
7 7/8"	5 1/2"	20#	P-110	LT&C	12000'-13000'

3. Cementing Program:

Surface Casing - Set with approximately 400 sx Class C + 2% CACL2 (YLD 1.32 WT 15.6). Circulated.

Outside Tatum; Morrow Set with approximately 1200 sx Lite (YLD 2.01 WT12). Tail in with 250 WT 15.6). Circulated.

ely 800 sx Super C Modified (YLD 1.67 WT 13.0). nately 7200'

Standard Location

are approximate and were calculated under the assumption that a
1. Actual cement volumes may vary due to variations in the actual
mined by running a caliper log on the drilled hole.

OPER. OGRID NO. 25575
PROPERTY NO. 27968
POOL CODE 85940
EFF. DATE 4-23-01
API NO. 30-025-35517

ill be adequate to achieve a minimum of 500 psi
prior to drilling out.

4. MUD PROGRAM

Interval	Mud Type	Weight	Viscosity	Fluid Loss
0 – 400'	FW Gel/Paper	8.6-9.2	28-34	No Control
400'-4600'	Cut Brine to Brine	9.1-10.4	32-34	<10 @4300'
4600'-8000'	Cut Brine	9.0-9.8	28	No Control
8000'-12000'	Brine/S Gel/Diesel	9.8-10	38-40	No Control
12000'-13000'	Salt Gel/Starch/Drispac	9.8-10	35-42	<12

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

5. EVALUATION PROGRAM

Logs: LDT/CNL; HALS GR; BHC SONIC TD to 4,600' with GR/N to Surface.

DST's: As Warranted.

Cores: Possible sidewall over Morrow.

*Pull Gamma Ray Log Back to Surface

The evaluation program may change at the discretion of the well site geologist.

6. ABNORMAL CONDITIONS

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area.

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Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35517	Pool Code 85940	Pool Name Tatum MORROW
Property Code 27968	Property Name DIZZY "AYX" STATE	Well Number 1
OCRD No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3961

Surface Location

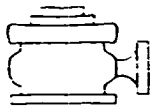
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	12S	36E		1980	NORTH	660	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 360	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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Clifton R. May Signature CLIFTON R. MAY Printed Name REGULATORY AGENT Title 4/18/01 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. 4/17/2001 Date Surveyed HERSCHEL L. JONES Signature Professional Surveyor 3640 Certificate No. GENERAL SURVEYING COMPANY



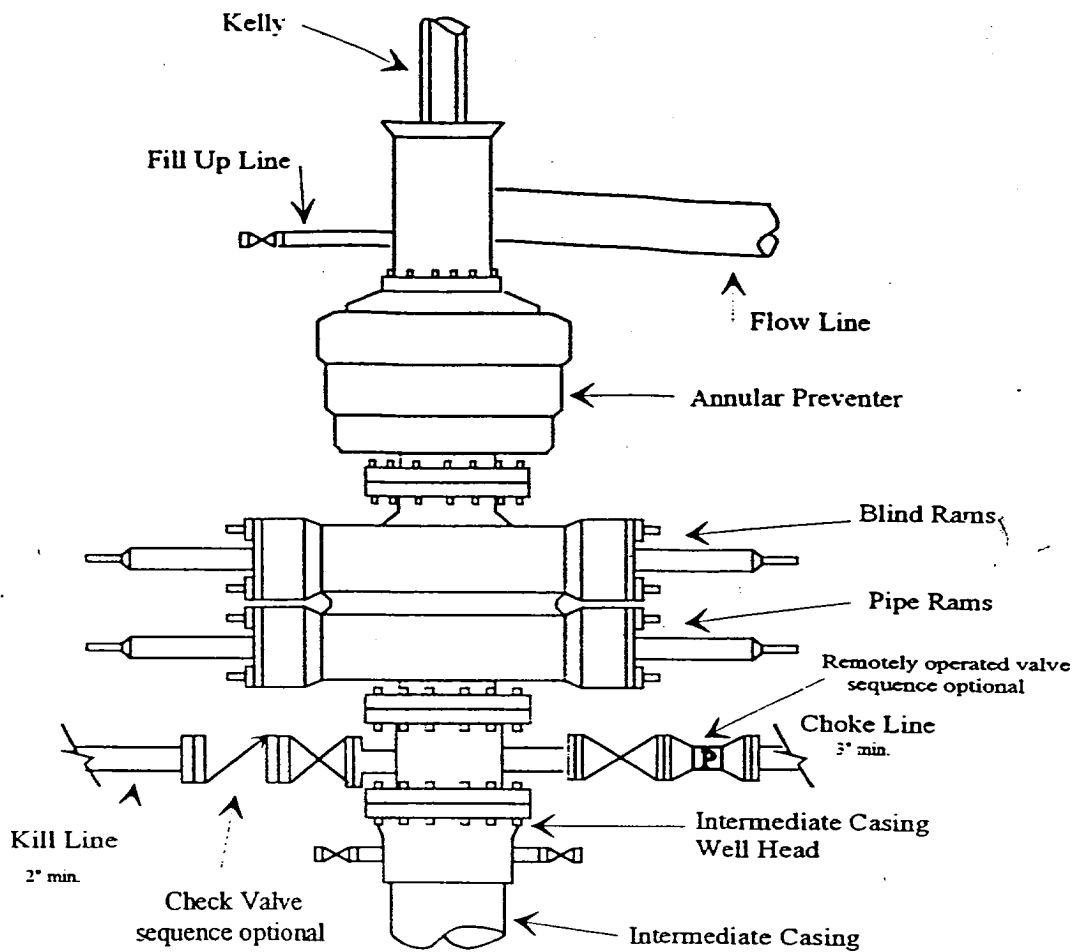
Yates Petroleum Corporation

BOP-4

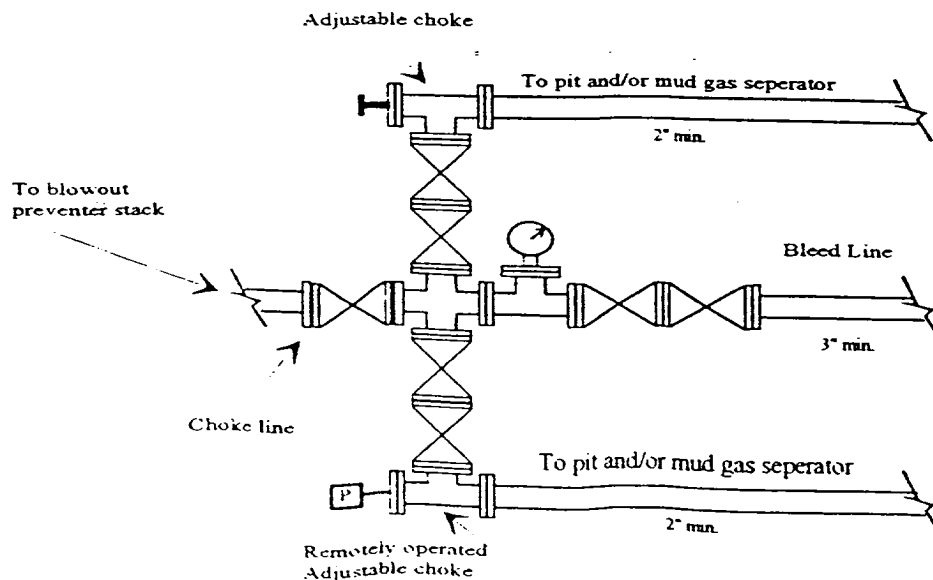
Typical 5,000 psi Pressure System

Schematic

Annular with Double Ram Preventer Stack



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



ELF
3/15/02
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED