

DISTRICT I  
1826 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
811 South First, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Artec, NM 87410  
DISTRICT IV  
8040 South Pacheco, Santa Fe, NM 87605

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999  
Instruction on back  
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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35180	Pool Code ✓	Pool Name WILDCAT MISSISSIPPIAN
Property Code 26674	Property Name RED TAIL "AWR" STATE COM.	Well Number 1
OCED No. 025578	Operator Name YATES PETROLEUM CORPORATION	Elevation 4312

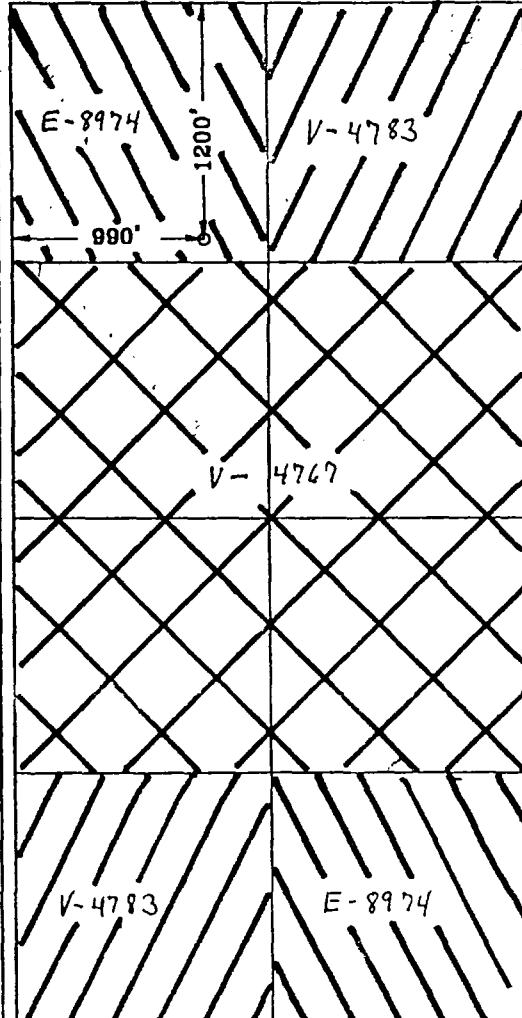
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	15S	32E		1200	NORTH	990	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.					

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><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Clifton R. May</u> Signature</p> <p>Clifton R. May Printed Name</p> <p>Regulatory Agent Title</p> <p>September 21, 2000 Date</p> <p><b>SURVEYOR CERTIFICATION</b></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>9/08/2000 Date Surveyed</p> <p><u>Herschel L. Jones</u> Signature &amp; Seal of Professional Surveyor</p> <p>NEW MEXICO 3640 Certificate No. Herschel L. Jones RLS 3640 RED TAIL 1 ERRS SURVEYING COMPANY</p>
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Yates Petroleum Corporation  
Case 12596, Exhibit # 2

*Kelly*  
**COPY**

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised March 17, 1999  
Instructions on back  
Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

DISTRICT II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

PO BOX 2088  
Santa Fe, NM 87504-2088

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87501

**FILED** NOV 07 2000

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-025-35180
<sup>4</sup> Property Code 26674	<sup>5</sup> Property Name Red Tail "AWR" State Com	<sup>6</sup> 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
D	28	15S	32E		1200'	North	990'	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
<sup>9</sup> Proposed Pool 1 Wildcat Mississippian					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4312'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 12600'	<sup>18</sup> Formation Mississippian	<sup>19</sup> Contractor Not Determined	<sup>20</sup> Spud Date ASAP

**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'	300 sx	Circulate
11"	8 5/8"	32#	4000'	1000 sx	Circulate
7 7/8"	5 1/2"	17# & 20#	12600'	700 sx	TOC-9100'

<sup>22</sup> 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 SHEETS

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Clinton R. May</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Clinton R. May		Approved by: <i>[Signature]</i>	
Title: Regulatory Agent		Title:	
Date: 09/21/00	Phone: (505) 748-1471	Approval Date: 2000	Expiration Date:
		Conditions of Approval: 2000	
		Attached <input type="checkbox"/>	

YATES PETROLEUM CORPORATION

Red Tail "AWR" State #1

~~1200' 990'~~ FNL & 990' FWL

NWNW of Section 28-T15S-R32E

Lea County, New Mexico

State Lease #E-8974

**DRILLING PROGNOSIS**

**1. ESTIMATED GEOLOGICAL TOPS:**

Yates	2500'	Penn	9700'
Queen	3330'	Strawn	11050'
San Andres	3950'	Morrow Lime	12120'
Glorietta	5710'	Mississippian	12480'
Tubb	6900'	Total Depth	12600'
Abo	7580'		
Wolfcamp	8745'		

**2. CASING DESIGN: All New**

**SURFACE CASING**

Casing Size	Wt./Ft.	Grade	Joint	Depth Set
11 3/4"	42	H-40	ST&C	0 - 400'

**INTERMEDIATE CASING**

Casing Size	Wt./Ft.	Grade	Joint	Depth Set
8 5/8"	32	J-55	ST&C	0 - 4000'

**PRODUCTION CASING**

Casing Size	Wt./Ft.	Grade	Joint	Depth Set
5 1/2"	17	L-80	LT&C	0 - 3200'
5 1/2"	17	J-55	LT&C	3200-7300'
5 1/2"	17	N-80	LT&C	7300-10200'
5 1/2"	17	HCP-110	LT&C	10200-12000'
5 1/2"	20	P-110	LT&C	12000-12600'

**3. PRESSURE CONTROL EQUIPMENT**

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

#### 4. MUD PROGRAM

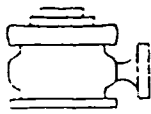
Interval	Mud Type	Weight	Viscosity	Fluid Loss	CHL
0 - 400'	Fresh Water Gel/Paper	8.6-9.6	32-36	No Control	
400' - 4000'	Fresh Water to Brine	8.7-10.2	32-34	No Control	120,000+
4000' - 11000'	Cut Brine w/Sweeps	8.8-9.4	28	No Control	
11000'-12600'	Salt Gel/Starch/Drispac	9.5-10	34-38	<12	80,000+

#### 5. Cementing Program:

Surface Casing - Set with 300 sx Class C + 2% CaCl (YLD 1.32 WT 14.8)

Intermediate Casing - Will lead with 750 sx Lite (YLD 2.48 WT 11.9). Tail in  
With 250 sx Class C (YLD 1.32 WT 14.8).

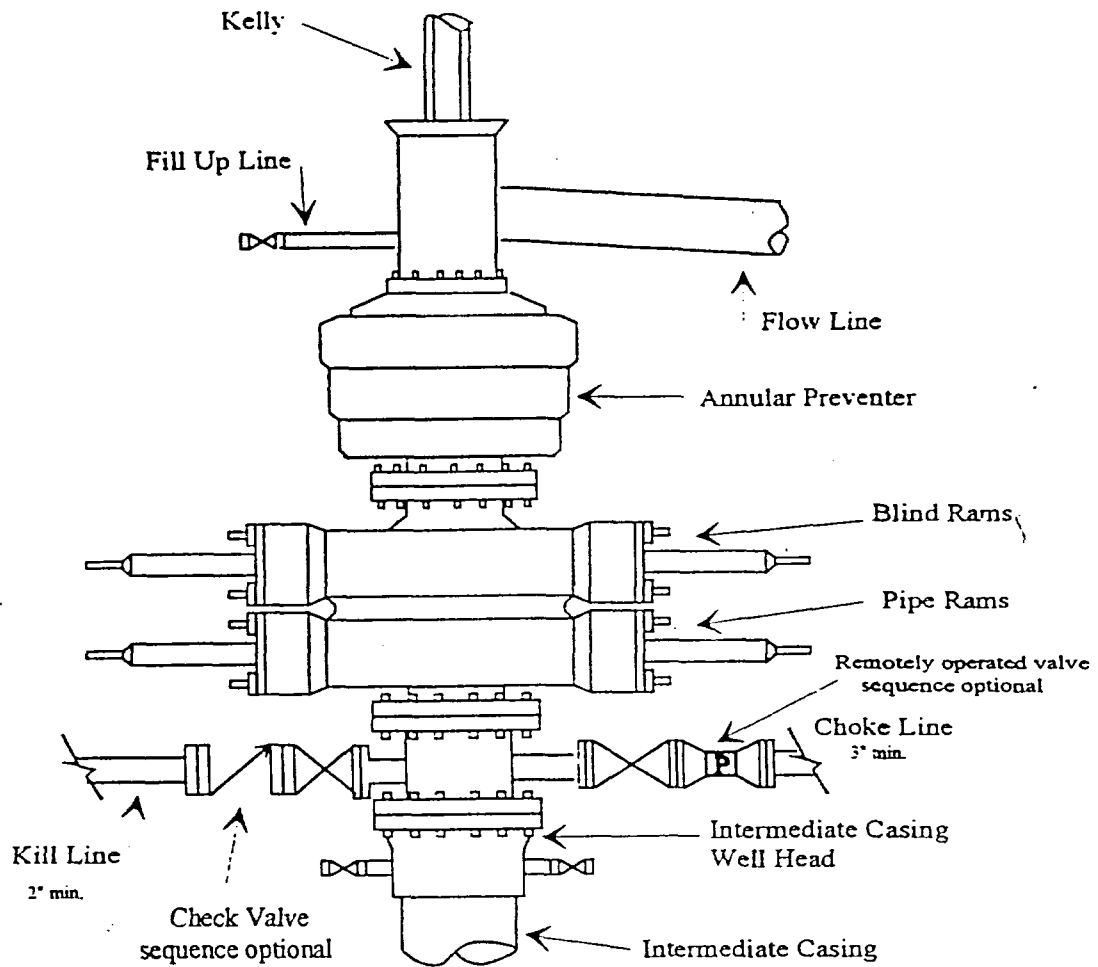
Production Casing - Set with 700 sx Super H Modified (YLD 1.67 WT 13.0)  
With the estimated top of cement being 8200'.



# 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

