Form C-101

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

# APPLICATION FOR PERMIT TO DRILL

YATES PETROLE	Operator Name and Address UM CORPORATION	OGRID Number 25575
105 South Fourth S Artesia, NM 8821		API Number 30-025-36479
Property Code 33100	Property Name Cash State Unit	Well No. 001

## **Surface Location**

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	31	10S	34E	J	1980	S	1980	E	Lea

#### **Proposed Pools**

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IIWildeaf Mississinnian	
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Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 4234
Multiple N	Proposed Depth 12750	Formation Mississippian Age Rocks- Undivided	Contractor	Spud Date 11/05/2003

#### **Proposed Casing and Cement Program**

Туре	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	400	0
Int1	12.25	9.625	40	4150	1400	0
Prod	8.75	5.5	17	12750	2700	3650

# **Casing/Cement Program: Additional Comments**

Yates Petroleum Corporation proposes to drill/test the Mississippian/intermediate formations. Approximately 400' of surface casing will be set/cemented. Intermediate casing will be set @ 4150', cement circ. to surface. If commercial, production casing will be run/cemented, will perforate/stimulate as needed for production. MUD PROGRAM: 0-400' FW/Spud Mud; 400'-2030' FW; 2030' – 4150' Red Bed Mud/Oil; 4150' -7700' Cut Brine; 7700'-9600' SGel/Oil; 9600'-11500' S/Gel/Starch; 11500'-TD SW/Starch/4% KCL. NO H2S ANTICIPATED.

# **Proposed Blowout Prevention Program**

Туре	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

I hereby certify that the information given above is true and	OIL CONSERVATION DIVISION		
complete to the best of my knowledge and belief.	Electronically Approved By: Paul Kautz		
Electronically Signed By: Debbie Caffall	Title: Geologist		
Title: Regulatory Technician	Approval Date: 11/10/2003 Expiration Date: 11/10/2004		
Date: 11/04/2003 Phone: 505-748-4364	Conditions of Approval: No Conditions		

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-36479	Pool Name Wildcat Mississippian	Pool Code
Property Code 33100	Property Name Cash State Unit	Well No. 001
OGRID No. 25575	Operator Name YATES PETROLEUM CORPORATION	Elevation 4234

# **Surface And Bottom Hole Location**

UL or Lot	Section 31	Township 10S	Range 34E	Lot Idn J	Feet From 1980	N/S Line S	Feet From 1980	E/W Line E	County Lea
	ted Acres 20	Joint or	Infill	Consoli	dation Code		Order I	No.	

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#### **OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Debbie Caffall

Title: Regulatory Technician

Date: 11/04/2003

#### 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.

Surveyed By: Herschel Jones Date of Survey: 10/24/2003 Certificate Number: 3640