

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

Form C-101  
Permit 1791

### APPLICATION FOR PERMIT TO DRILL

Operator Name and Address YATES PETROLEUM CORPORATION 105 South Fourth St. Artesia, NM 88210		OGRID Number 25575
		API Number 30-025-36915
Property Code 33444	Property Name MERLE STATE UNIT	Well No. 002

### Surface Location

UL or Lot P	Section 7	Township 10S	Range 35E	Lot Idn P	Feet From 810	N/S Line S	Feet From 990	E/W Line E	County Lea
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### Proposed Pools

Wildcat Mississippian
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Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 4152
Multiple N	Proposed Depth 12770	Formation Mississippian Age Rocks- Undivided	Contractor	Spud Date

### Proposed Casing and Cement Program

Type	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	4200	1450	0
Prod	8.75	5.5	17	12770	2800	3700

### Casing/Cement Program: Additional Comments

Yates Petroleum Corporation proposes to drill/test the Mississippian and intermediate formations. Approximately 400' of surface casing will be set/cemented. Intermediate casing will be set @ 4200', cement circulated to the surface. If commercial, production casing will be run/cemented; will perforate/stimulate as needed for production. MUD PROGRAM: 0-400' - FW/Gel/Paper; 400' - 2170' - Fresh Water; 2170'-4200' Red Bed Mud/Oil; 4200' - 7700' - Cut Brine; 7700' - 11628' Salt Gel/Oil/Starch; 11628' - TD SGel/Starch/4-6% KCL.

### Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

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

Electronically Signed By: Debbie Caffall

Title: Regulatory Technician

Date: 10/14/2004

Phone: 505-748-4364

### OIL CONSERVATION DIVISION

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 10/15/2004 Expiration Date: 10/15/2005

Conditions of Approval:  
No Conditions