

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

Form C-101

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-005-63634
Property Code 33268	Property Name Bruins State	Well No. 001

Surface Location

UL or Lot F	Section 16	Township 15S	Range 22E	Lot Idn F	Feet From 1980	N/S Line N	Feet From 1980	E/W Line W	County Chaves
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Proposed Pools

WILDCAT GRANITE 96542				
Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 4038
Multiple N	Proposed Depth 6000	Formation Granite Wash	Contractor	Spud Date 01/30/2004

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1000	650	0
Prod	7.875	5.5	17	6000	1200	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 1000, set 8 5/8 casing and cement. Drill to 6000 test Granite Zone, run 5 1/2 casing and cement. Put well on production. Note: On production string a fluid caliper will be run and will figure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

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

Electronically Signed By: Jerry Sherrell

Title: Production Clerk

Date: 01/12/2004

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 01/13/2004 Expiration Date: 01/13/2005

Conditions of Approval:
There are conditions. See Attached.

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Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-63634	Pool Name WILDCAT GRANITE	Pool Code 96542
Property Code 33268	Property Name Bruins State	Well No. 001
OGRID No. 13837	Operator Name MACK ENERGY CORP	Elevation 4038

Surface And Bottom Hole Location

UL or Lot F	Section 16	Township 15S	Range 22E	Lot Idn F	Feet From 1980	N/S Line N	Feet From 1980	E/W Line W	County Chaves
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order 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: Jerry Sherrell

Title: Production Clerk

Date: 01/12/2004

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: Gary Eidson

Date of Survey: 12/29/2003

Certificate Number: 12641

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: Bruins State #001

User Name	Comment	Comment Date
JWSHERRELL	The H2S concentration of wells in this area, from surface to TD are low enough that a contingency plan os not required.	1/12/2004

Permit Conditions Of Approval

Operator: MACK ENERGY CORP , 13837

Well: Bruins State #001

OCD Reviewer	Condition
BARRANT	Notify OCD time of spud and time to witness the cementing of the water protection string. Will require h2s contingency plan prior to spudding of well.