

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-

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-015-33203
Property Code 33350	Property Name Diamondbacks State	Well No. 001

Surface Location

UL or Lot G	Section 28	Township 17S	Range 29E	Lot Idn G	Feet From 2040	N/S Line N	Feet From 2140	E/W Line E	County Eddy
----------------	---------------	-----------------	--------------	--------------	-------------------	---------------	-------------------	---------------	----------------

Proposed Pools

GRAYBURG;MORROW (GAS) 77840

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3565
Multiple N	Proposed Depth 11000	Formation Morrow	Contractor	Spud Date 02/01/2004

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	350	350	0
Int1	12.25	9.625	40	4500	1900	0
Prod	7.875	5.5	17	11000	2200	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 350, set 13 3/8 casing and cement. Drill to 4500, run 9 5/8 casing and cement. Drill to 11,000 test Morrow Zone, run 5 1/2 casing and cement. Put well on production. Note: On production string fluid clipper 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	3000	3000	

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: 01/19/2004

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 01/26/2004 Expiration Date: 01/26/2005

Conditions of Approval:
No Conditions

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

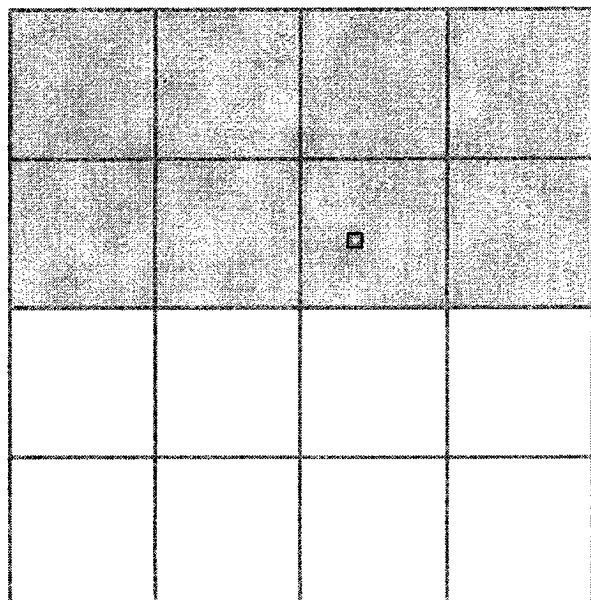
Form C-

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33203	Pool Name GRAYBURG;MORROW (GAS)	Pool Code 77840
Property Code 33350	Property Name Diamondbacks State	Well No. 001
OGRID No. 13837	Operator Name MACK ENERGY CORP	Elevation 3565

Surface And Bottom Hole Location

UL or Lot G	Section 28	Township 17S	Range 29E	Lot Idn G	Feet From 2040	N/S Line N	Feet From 2140	E/W Line E	County Eddy
Dedicated Acres 320		Joint or Infill		Consolidation Code		Order No.			



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: 01/19/2004

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: Ronald Eidson

Date of Survey: 02/14/2002

Certificate Number: 3239

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: Diamondbacks State #001

User Name	Comment	Comment Date
JWSHERRELL	H2S content for this well from surface to TD is low enough that a contingency plan is not required.	1/19/2004