

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

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address Mack Energy Corportation PO Box 960 Artesia, NM 88211-0960		OGRID Number 13837
		API Number 30-15-32890
Property Code 32584	Property Name Impala State	Well No. 001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	36	17S	31E		990	S	1650	E	Eddy

Proposed Pools

MALJAMAR;GRAYBURG-SAN ANDRES 43329

Work Type New Well	Well Type Oil	Cable/Rotary	Lease Type State	Ground Level Elevation 3827
Multiple N	Proposed Depth 6000	Formation San Andres Formation	Contractor	Spud Date 7/31/2003

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	800	650	0
Int1	12.25	8.625	32	2200	900	0
Prod	7.875	5.5	17	6000	925	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 800, run 13 3/8 casing and cement. Drill to 2200, run 8 5/8 casing and cement. Drill to 6000 and test San Andres 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: 7/18/2003

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 7/21/2003

Expiration Date: 7/21/2004

Conditions of Approval:

There are conditions. See Attached.

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Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-15-32890	Pool Name MALJAMAR;GRAYBURG-SAN ANDRES	Pool Code 43329
Property Code 32584	Property Name Impala State	Well No. 001
OGRID No. 13837	Operator Name Mack Energy Corporation	Elevation 3827

Surface And Bottom Hole Location

UL or Lot O	Section 36	Township 17S	Range 31E	Lot Idn	Feet From 990	N/S Line S	Feet From 1650	E/W Line E	County Eddy
Dedicated Acres 40	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: 7/18/2003

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.

Electronically Signed By: Ronald Eidson

Date of Survey: 7/15/2003

Certificate Number: 3239

APD Conditions Of Approval

Operator: 13837 Mack Energy Corportation

Well: Impala State 001

OCD Reviewer	Condition
BARRANT	Operator to submit H2S contingecy plan, if needed, before drilling operations commence.



P.O. Box 960
Artesia, NM 88211-0960
Office (505) 748-1288
Fax (505) 746-9539

July 21, 2003

Oil Conservation Division
Attn: Bryan Arrant
1301 W. Grand Avenue
Artesia, NM 88210

Re: ROE for Impala State #1

Dear Mr. Arrant:

Per our conversation, I am requesting that you to please approve the Impala State #1 APD. There is no other GB/SA production in this particular 40-acre tract. The H2S concentration from wells in this section is low enough that no contingency plan needs to be submitted for this well or facility.

If we can be of any further assistance, please feel free to call.

Sincerely,

MACK ENERGY CORPORATION

Jerry W. Sherrell
Production Clerk

JWS/

