

6/28/05  
District I  
1521 N. French Drive, Hobbs, NM 88240

WVJ  
State of New Mexico  
Energy, Minerals and Natural Resources Department

DHC-3498  
Form C-107A  
Revised June 10, 2003

PWJ 0517968440

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

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

### Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well

X Establish Pre-Approved Pools

EXISTING WELLBORE

X Yes X No

### APPLICATION FOR DOWNHOLE COMMINGLING

Mack Energy Corporation

P.O. Box 960, Artesia, NM 88211-0960

Operator

Address

Snapper State

#3

E.G.K.P.A-14-16S-33E

Lea

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 013837 Property Code 34552 API No. Multiple see attached Lease Type: Federal X State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Hume Queen West		Wildcat Grayburg
Pool Code	33560		N/A
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	(+)(-) 3900-4000'		(+)(-) 4350-4500'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	36.8		36.8
Producing, Shut-In or New Zone	New Zone		New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: _____ Rates: _____	Date: _____ Rates: _____	Date: _____ Rates: _____
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % %	Oil Gas % %	Oil Gas % %

### ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes X No  
Yes No

Are all produced fluids from all commingled zones compatible with each other?

Yes X No

Will commingling decrease the value of production?

Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes No

NMOC Reference Case No. applicable to this well: \_\_\_\_\_

### Attachments:

- C- 1 02 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

### PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE

Jerry W. Sherrell

TITLE Production Clerk

DATE 6/22/2005

TYPE OR PRINT NAME Jerry W. Sherrell

TELEPHONE NO. ( 505 ) 748-1288

E-MAIL ADDRESS jerrys@mackenergycorp.com

*Snapper State #2*  
*1650 FNL 330 FWL*  
*Sec. 14 T16S R33E*  
*API 30-025-37300*

*Snapper State #3*  
*1650 FNL 2310 FEL*  
*Sec. 14 T16S R33E*  
*API 30-025-37301*

*Snapper State #4*  
*2310 FSL 1650 FWL*  
*Sec. 14 T16S R33E*  
*API 30-025-37302*

*Snapper State #5*  
*660 FSL 660 FEL*  
*Sec. 14 T16S R33E*  
*API 30-025-20427*

*Snapper State #6*  
*660 FNL 660 FEL*  
*Sec. 14 T16S R33E*  
*API 30-025-01257*

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1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37301	Pool Code 33560	Pool Name Hume Queen West
Property Code 34552	Property Name SNAPPER STATE	Well Number 3
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 4183'

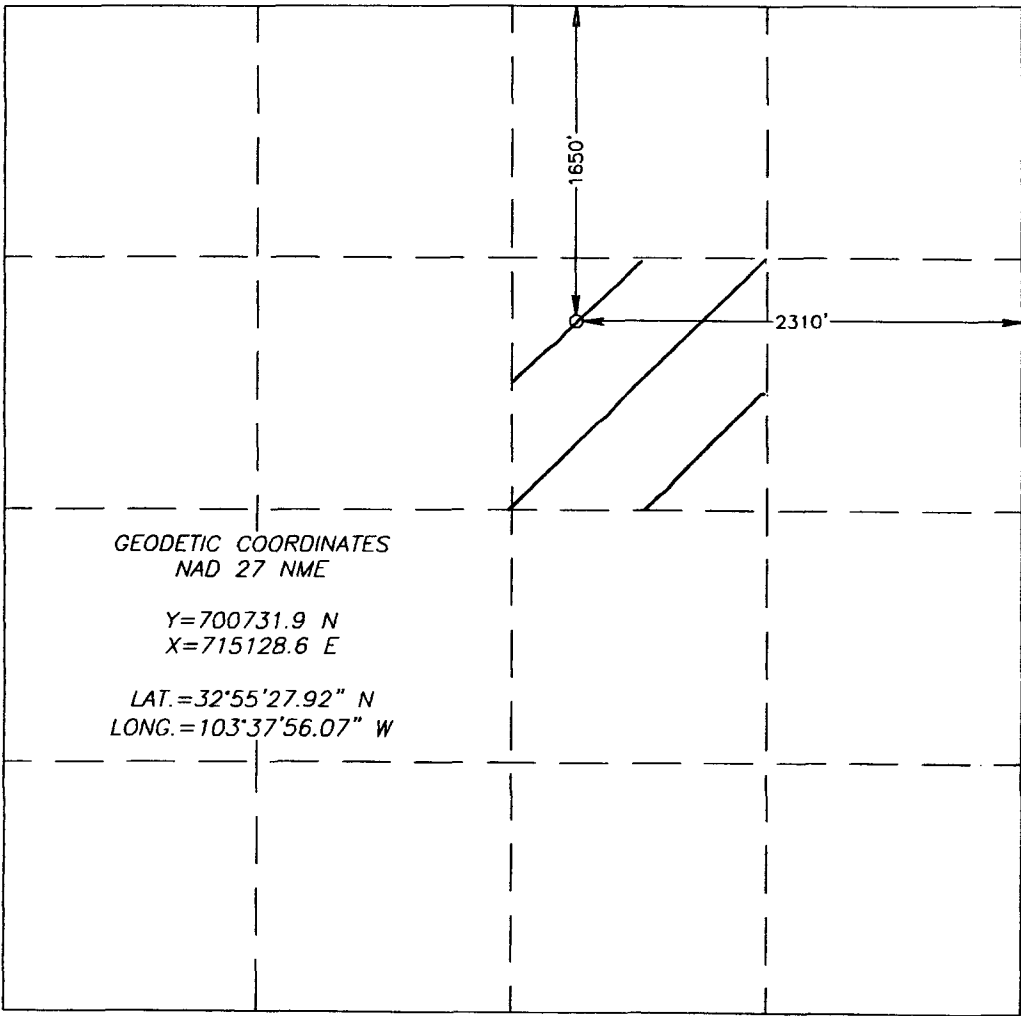
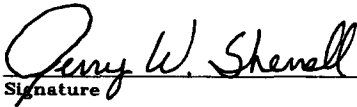
Surface Location

UL or lot No. G	Section 14	Township 16-S	Range 33-E	Lot Idn	Feet from the 1650	North/South line NORTH	Feet from the 2310	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p> Signature</p> <p>Jerry W. Sherrell Printed Name</p> <p>Production Clerk Title</p> <p>6/23/2005 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>MARCH 30, 2005</p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor GARY E. EDISON NEW MEXICO 4/8/05 05.11.0519 Certified No. GARY E. EDISON 12641</p>
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Property Code 34552	Property Name SNAPPER STATE	Well Number 3
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 4183'

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G	14	16-S	33-E		1650	NORTH	2310	EAST	LEA

Bottom Hole Location If Different From Surface

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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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