

District I
1301 N. French Drive, Hobbs, NM 88240

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

District III
1000 Rio Brazos Road, Aztec, NM 87411

District IV
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-107A
Revised June 10, 2003

APPLICATION TYPE

Single Well

X Establish Pre-Approved Pools

EXISTING WELLBORE

X Yes X No

APPLICATION FOR DOWNHOLE COMMINGLING

Mack Energy Corporation

Operator

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

Address

Snapper State

#5

2,3,4,5,6

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 97444
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 put 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

NMOCD 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

6/27/05 DATE IN	SUBPENSE	WVS ENGINEER	6/28/05 LOGGED IN	DHC TYPE	PWVS APP NO.	051798764
--------------------	----------	-----------------	----------------------	-------------	-----------------	-----------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]
 [B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify _____
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
 [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

- [3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Jerry W. Sherrell
 Print or Type Name

Jerry W. Sherrell
 Signature

Production Clerk
 Title

6/24/2005
 Date

jerrys@mackenergycorp.com
 e-mail Address

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

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator Mack Energy Corporation			Lease Snapper State		Well No. 5
Unit Letter P	Section 14	Township 16S	Range 33E	County Los	
Actual Footage Location of Well: 660 feet from the south line and 660 feet from the east line					
Ground Level Elev. 4174	Producing Formation Grayburg		Pool Wildcat		Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

660'

660'

CERTIFICATION

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

Original Signed By
R. A. Lowery

Name **R. A. Lowery**

Position **District Exploitation Eng**

Company **Shell Oil Company**

Date **APR 3 1963**

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed **March 22, 1963**

T. J. Chapman, Jr., Chief Surveyor
Shell Oil Company

T. J. Chapman

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

SECTION A

Operator Mack Energy Corporation			Lease Snapper State		Well No. 5
Unit Letter P	Section 14	Township 16S	Range 33E	County Lea	
Actual Footage Location of Well: 660 feet from the south line and 660 feet from the east line					
Ground Level Elev. 4174	Producing Formation Queen		Pool Hume Queen West		Dedicated Acreage: 40 Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

CERTIFICATION

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

Original Signed By
R. A. Lowery

Name **R. A. Lowery**

Position **District Exploitation Eng**

Company **Shell Oil Company**

Date **APR 3 1963**

I hereby certify that the well location shown on the plat in SECTION B 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 knowledge and belief.

Date Surveyed **March 22, 1963**

T. J. Chapman, Jr., Chief Surveyor

Shell Oil Company

T. J. Chapman