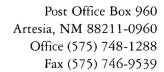
PKUR0815851300

NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULAT 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/Lease Commingling] [PC-Pool/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] 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 [C] DHC CTB PLC PC OLS OLM [C] [D] Other: Specify SWD IPI EOR PPR [D] Other: Specify
[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool Commingling] [PC-Pool Commingling
A
DHC
WFX
[D] Other: Specify [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
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
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[D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
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
SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TY OF APPLICATION INDICATED ABOVE.
CERTIFICATION: I hereby certify that the information submitted with this application for administrate approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken 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 Production Clerk Signature Date
Print or Type Name Signature Title Date
jerrys@mackenergycorp.com e-mail Address





June 4, 2008

Oil Conservation Division Attn: Will Jones 1220 South St. Francis Drive Santa Fe. NM 87505

Re:

Downhole Commingling and Measurement of

Hydrocarbon Production for:

Gar State #5

Section 23, T16S R33E Lea County, New Mexico

Mack Energy Corporation as operator of the aforementioned well respectfully requests administrative approval for down hole commingling and measurement of production.

Mack Energy proposes to commingle Hume Queen West and West Hume Grayburg production in the Gar State #5 well (State of NM Lease VB-638). Production of both pools will be measured at the Gar State Tank Battery located in the SE/4 NE/4 Sec. 23 T16S R33E. This lease has common interest in both pools. Notification has been made to all parties owning an interest in the lease, including the oil purchaser, of the intent to commingle. Testing will be conducted and allocation percentages will be sent to OCD after completion of this well.

Should you require any additional information concerning this application, please call Jerry W. Sherrell at the above number. Thank you for your consideration of this request.

Sincerely,

MACK_ENERGY CORPORATION

Serry W. Sherrell Production Clerk

jerrys@mackenergycorp.com

JWS/dw

Enclosures

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
<u>District II</u>
1301 W. Grand Ave., Artesia, NM 88210
<u>District III</u>
1000 Rio Brazos Rd., Aztec, NM 87410
<u>District IV</u>
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-102 Permit 59930

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	WEED BOCKTION AND ACT	REMOD DEDICATION TEAT		
1. API Number	2. Pool Code	3. Poc	l Name	
30-025-38494	97444	HUME;GRAY	BURG, WEST	
4. Property Code	5. Propert	ty Name	6. Well No.	
34770	GAR S	TATE	005	
7. OGRID No.	8. Operato	or Name	9. Elevation	
13837	MACK ENE	RGY CORP	4187	

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
G	23	16S	33E	G	2310	N	1650	E	LEA	

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Id	in	Feet From	N/S L	ne	Feet From	E/W Line	County	
12. Dedicated Acres 40.00		13	. Joint or Infill			14. Consolidation Co	ode			15. 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

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r			

OPERATOR CERTIFICATION

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

E-Signed By: Jerry Sherrell Title: Production Clerk Date: 8/28/2007

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: 7/11/2005 Certificate Number: 12641 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-102 Permit 59930

WELL LOCATION AND ACREAGE DEDICATION PLAT

	WELL LOCATION AND ACKEAG	E DEDICATION PLAT
1. API Number	2. Pool Code	3. Pool Name
30-025-38494	33560	HUME;QUEEN, WEST
4. Property Code	5. Property Name	6. Well No.
34770	GAR STATE	005
7. OGRID No.	8. Operator Name	9. Elevation
13837	MACK ENERGY C	ORP 4187

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	l
G	23	16S	33E	G	2310	N	1650	E	LEA	

11. Bottom Hole Location If Different From Surface

			11. 00.							
UL - Lot	Section	Township	Range	Lot Id	in Feet From	N/S Li	S Line Feet From		E/W Line	County
				:				į		
12. Dedicated Acres 40.00		13	Joint or Infill		14. Consolidation C	'ode	l		15. 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

OPERATOR CERTIFICATION

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

E-Signed By: Jerry Sherrell Title: Production Clerk Date: 8/28/2007

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: 7/11/2005
Certificate Number: 12641

District I

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

District 11

1301 W. Grand Aven

<u>District III</u> 1000 Rio Brazos Road, Aztec, NM 874:1 0

District IV

Oil Conservation Division

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

APPLICATION TYPE X Single Well X Establish Pre-Approved Pools

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING 1220 S. St Francis Dr., Santa Fe, NM 87505 P.O. Box 960, Artesia, Mack Energy Corporation Operator Address Gar State 5 G-23-16S-33E Lea Well No Unit Letter-Section-Township-Range County Lease API No. 30-025-38494 OGRID No. 013837 Property Code 34770 Lease Type: Federal X Fee State DATA ELEMENT UPPER ZONE INTERMEDIATE ZONE West Hume Grayburg Pool Name Hume Queen West 33560 97444 PoolCode Top and Bottom of Pay Section (+)(-) 3900-4000' (+)(-) 4350-4500' (Perforated or Open-Hole Interval) Method of Production Artificial Lift Artificial Lift (Flowing or Artificial Lift) Bottomhole Pressure (Note: Pressure data will not be required ifthe bott 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, Date: Date: Date: applicant shall be required to attach production estimates and supporting data.) Rates: Rates: Rates: Fixed Allocation Percentage oil oil Gas Oil Gas Gas than current or put production, supporting data or % % % explanation will be required.) 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? Are all produced fluids from all commingled zones compatible with each other? No No X Will commingling decrease the value of production? 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? 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.

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

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

Any additional statements, data or documents required to support commingling

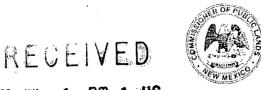
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.

Bottornhole pressure data.

Data to support allocation method or formula.

I hereby certify that the information above is true and		owledge and belief
SIGNATURE Jany W. Shevoll	TITLE Production Clerk	DATE 6/4/08
TYPE OR PRINT NAME Jerry W. Sherrell		HONE NO. (575) 748-1288
E-MAIL ADDRESS jerrys@mackenergy.com.com		



PATRICK H. LYONS «COMMISSIONER

PM 3tate of New Mexico Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148 COMMISSIONER'S OFFICE

Phone (505) 827-5760 Fax (505) 827-5766 www.nmstatelands.org

June 24, 2008

Mack Energy Corporation P.O. Box 960 Artesia, New Mexico 88211-0960

Attn:

Mr. Jerry W. Sherrell

Re:

Downhole Commingling Application and Measurement of

Hydrocarbon Production for:

Gar State No. 5

Unit Letter G, Section 23-16S-33E

Hume Queen West and West Hume Grayburg Pools

Lea County, New Mexico

Dear Mr. Sherrell:

Thank you for your application to downhole commingle the Hume Queen West and West Hume Grayburg pools from the referenced wells in Lea County, New Mexico.

Since it appears that all the New Mexico Oil Conservation's (OCD) rules and regulations have been complied with, and there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your application is approved. Any deviation from the substance of your application will be cause for rescinding our approval, and approval is subject to like approval by the OCD.

Please submit a filing fee in the amount of \$30.00.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

PATRICK H. LYONS

COMMISSIONER OF PUBLIC LANDS

RV.

JAMI BAILEY, Director Oil, Gas and Minerals Division

PL/JB/jm Enclosure

xc: Reader File

OCD-Ed Martin,