

*PLEASE 11-23-93 PLC*  
OIL CONSERVATION DIVISION  
RECEIVED  
OCT 28 1993

**MERIDIAN OIL**

**OCTOBER 28, 1993**

**MR. BEN STONE  
OIL CONSERVATION COMMISSION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87504**

**RE: REQUEST STATUS OF APPROVAL FOR AMENDED  
APPLICATION FOR SURFACE COMMINGLING,  
MEASUREMENT APPROVAL AND  
OFF-LEASE STORAGE FOR  
SOUTHLAND ROYALTY COMPANY  
FEDERAL "MA" LEASE (NM-0997)  
FEDERAL "MA" LEASE (LC-064944)  
AZTEC "22" FEDERAL LEASE (NM-0997)  
LEA COUNTY, NEW MEXICO**

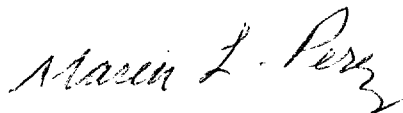
**DEAR MR. STONE:**

**ENCLOSED IS A COPY OF THE APPROVED SUNDRY FROM THE  
BUREAU OF LAND MANAGEMENT IN CARLSBAD, NEW MEXICO  
FOR THE CAPTIONED APPLICATION.**

**WE ARE REQUESTING LIKE APPROVAL FROM THE STATE. A COPY  
OF THIS APPLICATION WAS SUBMITTED TO YOUR OFFICE ON  
SEPTEMBER 28, 1993. THE BLM IS NOW APPROVING  
COMMINGLING APPLICATION IN THE FORM OF A SUNDRY  
INSTEAD OF THE LETTER FORMAT PREVIOUSLY USED.**

**SHOULD YOU HAVE ANY QUESTIONS CONCERNING THIS  
APPLICATION, PLEASE CONTACT ME AT A/C 915-688-6906.**

**SINCERELY,**



**MARIA L. PEREZ  
PRODUCTION ASST.**

RECEIVED  
OCT 1 10 45 AM 1993

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
OCT 27 1993

**SUNDRY NOTICES AND REPORTS ON WELLS PROD. SERV.**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**SOUTHLAND ROYALTY COMPANY**

3. Address and Telephone No.  
**P.O. Box 51810 Midland, TX 79710 915-688-6906**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**BATTERY LOCATION**  
**1, NE/4 SE/4, SEC. 21, T18S, R33E**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
**NM-0997**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**FEDERAL "MA" BATTERY**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**LEA COUNTY,  
NEW MEXICO**

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>AMEND SURFACE</b>
	<b>COMMINGLING PERMIT</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

AS PER TELEPHONE CONVERSATION REQUEST FROM ANDREA MASSENGALE OF YOUR BLM-HOBBS OFFICE, THIS IS TO AMEND THE LEASE NUMBERS ON OUR FEDERAL "MA" LEASE ON THE PREVIOUSLY APPROVED SURFACE COMMINGLING AUTHORITY TO MATCH THE MMS PRODUCTION REPORTS.

APPLICATION FOR SURFACE COMMINGLING, MEASUREMENT APPROVAL AND OFF-LEASE STORAGE OF HYDROCARBON PRODUCTION FROM THE SOUTH CORBIN BONE SPRING, SOUTH CORBIN WOLFCAMP AND WEST CORBIN DELAWARE POOLS FROM THE FEDERAL "MA" COM. LEASE (NM-0997), FEDERAL "MA" LEASE (LC-064944) AND THE AZTEC "22" FEDERAL LEASE (NM-0997)

SEE ATTACHED FORMAT

14. I hereby certify that the foregoing is true and correct

Signed Maria L. Perez MARIA L. PEREZ

Title PRODUCTION ASST.

Date 9-28-93

(This space for Federal or State Office use)

Approved by Adam S. Canady  
Conditions of approval, if any:

Title Petroleum Engineer

Date 10/22/93

**APPLICATION FOR SURFACE COMMINGLING, MEASUREMENT  
APPROVAL AND OFF-LEASE STORAGE INVOLVING THREE LEASES AND  
THREE POOLS.**

**TO: BUREAU OF LAND MANAGEMENT  
P. O. BOX 1778  
CARLSBAD, NEW MEXICO 88221-1779**

**SOUTHLAND ROYALTY COMPANY IS REQUESTING APPROVAL FOR  
SURFACE COMMINGLING AND MEASUREMENT OF HYDROCARBON  
PRODUCTION FROM THE SOUTH CORBIN BONE SPRING, SOUTH CORBIN  
WOLFCAMP AND THE WEST CORBIN DELAWARE POOLS FROM THE  
FOLLOWING LEASES.**

**FEDERAL "MA" COM. LEASE (NM-0997)**

**WELL**

<b><u>NO.</u></b>	<b><u>LOC.</u></b>	<b><u>SEC.</u></b>	<b><u>TWP.</u></b>	<b><u>RNG.</u></b>	<b><u>FORMATION</u></b>
2	I	21	18S	33E	BONE SPRING

**FEDERAL "MA" LEASE (LC-064944)**

**WELL**

<b><u>NO.</u></b>	<b><u>LOC.</u></b>	<b><u>SEC.</u></b>	<b><u>TWP.</u></b>	<b><u>RNG.</u></b>	<b><u>FORMATION</u></b>
4	B	21	18S	33E	WOLFCAMP
6	B	21	18S	33E	DELAWARE
7	A	21	18S	33E	DELAWARE
8	H	21	18S	33E	WOLFCAMP

**AZTEC "22" FEDERAL LEASE (NM-0997)**

**WELL**

<b><u>NO.</u></b>	<b><u>LOC.</u></b>	<b><u>SEC.</u></b>	<b><u>TWP.</u></b>	<b><u>RNG.</u></b>	<b><u>FORMATION</u></b>
3	D	22	18S	33E	DELAWARE

**PRODUCTION FROM THE WELLS INVOLVED IS AS FOLLOWS:**

<b><u>WELL NAME AND NO.</u></b>	<b><u>BOPD</u></b>	<b><u>OIL GRAVITY</u></b>	<b><u>MCFPD</u></b>
FEDERAL "MA" NO. 2	15	37.5	31
FEDERAL "MA" NO. 4	20	42.2	50
FEDERAL "MA" NO. 6	29	39.0	130
FEDERAL "MA" NO. 7	35	39.0	175
FEDERAL "MA" NO. 8	65	42.2	300
AZTEC "22" FEDERAL NO. 3	80	39.0	120

**THE PROPOSED OPERATION IS DESCRIBED IN DETAIL ON THE ATTACHED DIAGRAM**

**A MAP IS ENCLOSED SHOWING THE LEASE NUMBERS AND LOCATION OF ALL WELLS THAT WILL CONTRIBUTE PRODUCTION TO THE PROPOSED COMMINGLING/COMMON STORAGE FACILITY. ALL UNITIZED/COMMUNITIZED AREAS, PRODUCING ZONES/POOLS ARE ALSO CLEARLY ILLUSTRATED.**

**A SCHEMATIC DIAGRAM IS ALSO ATTACHED WHICH CLEARLY IDENTIFIES ALL EQUIPMENT THAT WILL BE UTILIZED.**

**THE STORAGE AND MEASURING FACILITY IS LOCATED AT THE NE/4 SE/4 OF SEC. 21, T18S, R33E, ON LEASE NO. NM-0997, LEA COUNTY, NEW MEXICO. THE BLM WILL BE NOTIFIED IF THERE IS ANY FUTURE CHANGE IN THE FACILITY LOCATION.**

**DETAILS OF THE PROPOSED METHOD FOR ALLOCATING PRODUCTION TO CONTRIBUTING SOURCES IS AS FOLLOWS:**

<b>FEDERAL "MA" NO. 2</b>	<b>PROD. TEST THROUGH TEST TREATER</b>
<b>FEDERAL "MA" NO. 4</b>	<b>PROD. TEST THROUGH TEST TREATER</b>
<b>FEDERAL "MA" NO. 6</b>	<b>PROD. TEST THROUGH TEST TREATER</b>
<b>FEDERAL "MA" NO. 7</b>	<b>PROD. TEST THROUGH TEST TREATER</b>
<b>FEDERAL "MA" NO. 8</b>	<b>PROD. TEST THROUGH TEST TREATER</b>
<b>AZTEC "22" FED. NO. 3</b>	<b>PROD. TEST THROUGH TEST TREATER</b>

**THE BATTERY HAS A 3-PHASE PRODUCTION HEATER TREATER AND TWO TEST TREATERS. ALL TREATERS ARE EQUIPPED WITH HALLIBURTON'S TURBINE FLOW METERS ON THE OIL DUMPS AND WATER DUMPS TO CONTINUOUSLY MEASURE THE OIL AND WATER VOLUMES FOR EACH WELL. EACH TEST TREATER IS EQUIPPED WITH AN ORIFICE TEST METER TO MEASURE THE GAS VOLUMES. ONE OF THE TWO TEST TREATERS IS USED TO SEPARATELY TEST THE AZTEC "22" FEDERAL NO. 3**

**THE WORKING INTEREST OWNERS HAVE BEEN NOTIFIED OF THE PROPOSAL.**

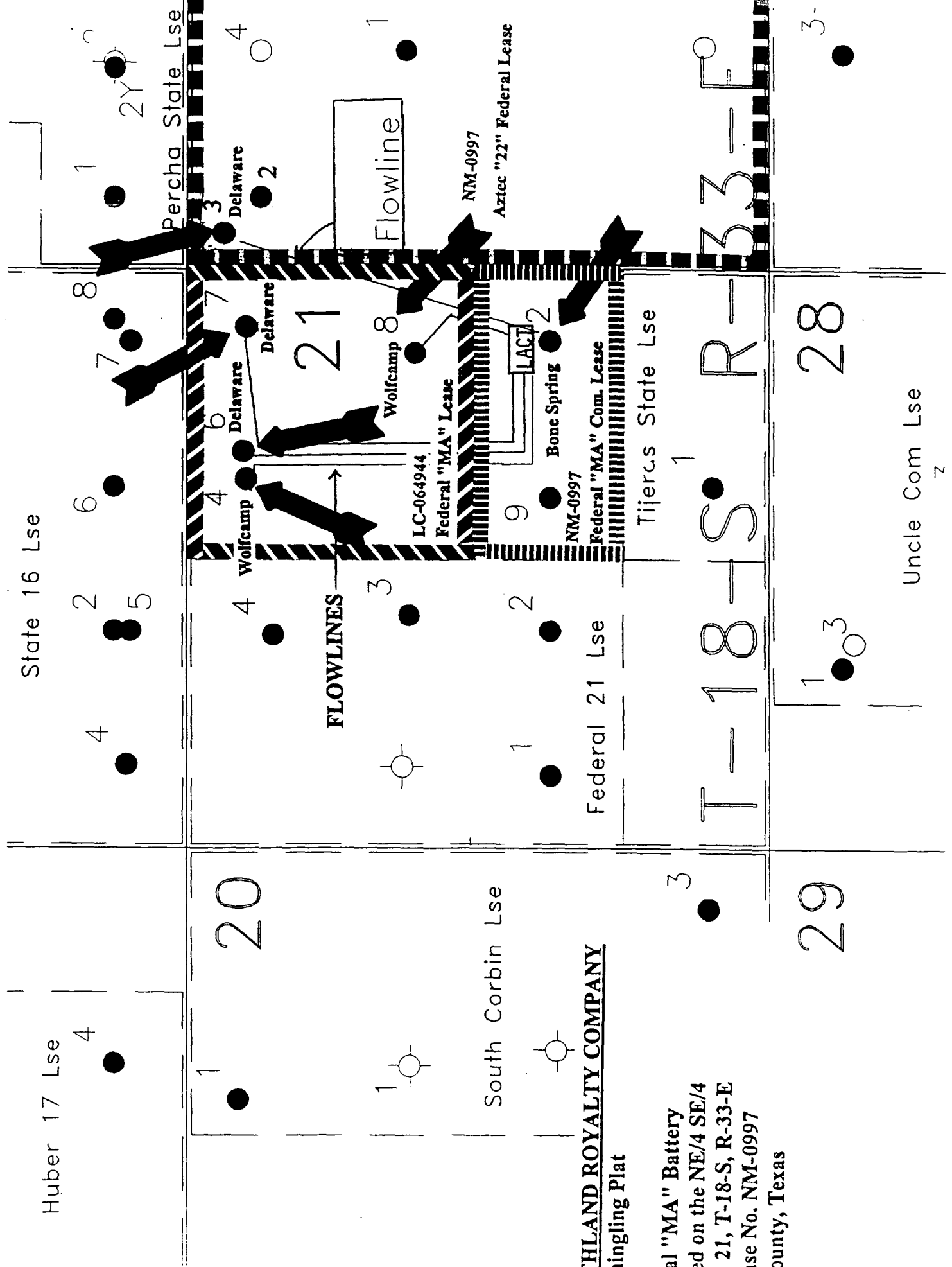
**THE PROPOSED COMMINGLING OF PRODUCTION IS IN THE INTEREST OF CONSERVATION AND WILL NOT RESULT IN REDUCED ROYALTY OR IMPROPER MEASUREMENT OF PRODUCTION.**

THE PROPOSED COMMINGLING IS NECESSARY FOR CONTINUED OPERATION OF THE ABOVE REFERENCED FEDERAL LEASES.

ADDITIONALLY, WE REQUEST APPROVAL FOR OFF-LEASE STORAGE OF HYDROCARBON PRODUCTION FROM THE FEDERAL "MA" LEASE WELL NO'S 4, 6, 7 AND 8 (LC-064944) AND THE AZTEC "22" FEDERAL LEASE WELL NO. 3 (NM-0997) TO THE FEDERAL "MA" BATTERY (NM-0997) LOCATED IN UNIT LETTER I, NE/4 SE/4 OF SEC. 21, T18S, R33E. LEA COUNTY, NM.

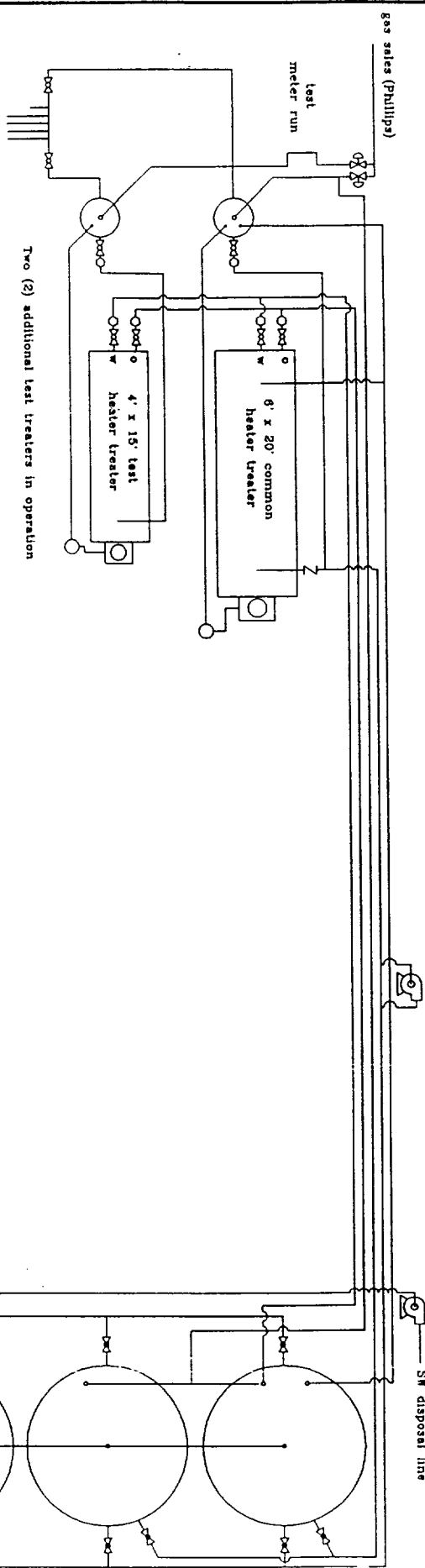
WE UNDERSTAND THAT THE REQUESTED APPROVAL WILL NOT CONSTITUTE THE GRANTING OF ANY RIGHT-OF-WAY OR CONSTRUCTION RIGHTS NOT GRANTED BY THE LEASE INSTRUMENT. AND, WE WILL SUBMIT WITHIN 30 DAYS AN APPLICATION FOR RIGHT OF WAY APPROVAL TO THE BLM'S REALTY SECTION IN YOUR OFFICE IF WE HAVE NOT ALREADY DONE SO.

SIGNATURE: Maria L. Perez  
NAME: Maria L. Perez  
TITLE: Prod. Asst.  
DATE: 9-28-93



**SOUTHLAND ROYALTY COMPANY**  
Commingle Plat

Federal "MA" Battery  
Located on the NE/4 SE/4  
of Sec. 21, T-18-S, R-33-E  
on Lease No. NM-0997  
Lea County, Texas



Wells produced at this battery :

Federal MA #2  
 Federal MA #4  
 Federal MA #6  
 Federal MA #7  
 Federal MA #8

Proposed commingle well :  
 Aztec Federal 22 #3

- ⊗ sealable plug valve
- ⊗ plug valve
- ⊗ back pressure regulator
- dump valve

# MOI FEDERAL MA BATTERY

SE/4 Sec. 21 T-18-S R-33-E  
 Lea County, New Mexico

REFERENCE DRAWINGS		REVISIONS	

Code: 105 SUP 1

Doc: 105 SUP 1

c:\acad10\hobbs\fedma.dwg

rjc March 24, 1993

Meridian Oil, Inc.  
 MIDLAND, TEXAS



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Resource Area Headquarters

P.O. Box 1778

Carlsbad, New Mexico 88221-1778



3162 (067)  
NM-0997

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AUG 20 1993

PROD.SERV.

AUG 17 1993

Previous Authority

Meridian Oil  
Attention: Maria L. Perez  
P. O. Box 51810  
Midland, Texas 79710-1810

RE: NM-0997  
Aztec "22" Federal Well No. 3  
NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec. 22, T18S, R33E  
Lea County, New Mexico

Dear Ms. Perez:

You have requested to surface commingle hydrocarbon production from the West Corbin-Delaware formation in the above referenced Aztec "22" Federal Well No. 3, on lease No. NM-0997, with hydrocarbon production from the following formations and wells on Federal "MA" lease No. LC-064944, in Section 21, T. 18 S., R. 33 E., Lea County, New Mexico:

<u>Well No.</u>	<u>Location</u>	<u>Formation</u>
2	NE $\frac{1}{4}$ SE $\frac{1}{4}$	South Corbin Bone Spring
4	NW $\frac{1}{4}$ NE $\frac{1}{4}$	South Corbin Wolfcamp
6	NW $\frac{1}{4}$ NE $\frac{1}{4}$	West Corbin Delaware
7	NE $\frac{1}{4}$ NE $\frac{1}{4}$	West Corbin Delaware
8	SE $\frac{1}{4}$ NE $\frac{1}{4}$	South Corbin Wolfcamp

Your request for commingling is hereby approved subject to the concurrence of the New Mexico Oil Conservation Division.

Production from the Aztec "22" Federal Well No. 3, West Corbin-Delaware shall be individually and separately metered prior to commingling. The remaining production shall be allocated on the basis of monthly well tests.

We understand that the working interest owners have been notified. Further, your request is made in the interest of conservation and will not result in reduced royalty or improper measurement of production.

Also, your request for off-lease storage and measurement from the Aztec "22" Federal Well No. 3, to the Federal "MA" facility located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Section 21, T. 18 S., R. 33 E., is hereby approved. Please notify this office if there is any future change in the facility location.



This approval should not constitute the granting of any right-of-way or construction rights not granted by the lease instrument. You need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

Please contact Adam M. Salameh, Petroleum Engineer, at (505) 887-6544 or at the letterhead address if further information is required.

Sincerely,

A handwritten signature in dark ink, appearing to read "Richard L. Manus". The signature is fluid and cursive, with a large initial "R" and a stylized "M".

Richard L. Manus  
Area Manager