

N.M. OIL CONS. COMMISSION  
P.O. BOX 1980  
HOBBS, NEW MEXICO 88240

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator MERIDIAN OIL INC.	8. Well Name and No. <u>102</u> CHECKERBOARD 23 FEDERAL
3. Address and Telephone No. P.O. Box 51810 Midland, TX 79710 915-688-6906	9. API Well No. <u>30-025-31406</u>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEC. 23, T22S, R32E <u>Unit J</u>	10. Field and Pool, or Exploratory Area <u>W. Red Tank Delaware</u>
	11. County or Parish, State LEA NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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 <u>SURFACE COMMINGLING AND MEASUREMENT APPROVAL</u>
	<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

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.)\*

APPLICATION FOR SURFACE COMMINGLING AND MEASUREMENT APPROVAL OF HYDROCARBON PRODUCTION FROM THE EAST LIVINGSTON RIDGE DELAWARE POOL AND THE RED TANK BONE SPRING POOL ON FEDERAL LEASE NO. NM-81633; CHECKERBOARD 23 FEDERAL LEASE.

SEE ATTACH FORMAT.

RECEIVED  
SEP 3 11 16 AM '93  
OIL  
AREA

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

Signed Maria L. Perez MARIA L. PEREZ

Title PRODUCTION ASST.

Date 9-2-93

(This space for Federal or State office use)

Approved by Orig. Signed by Adam Salameh  
Conditions of approval, if any:

Title Production Engineer

Date 9/9/93

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

**APPLICATION FOR SURFACE COMMINGLING AND MEASUREMENT  
APPROVAL FOR TWO POOLS WITHIN THE SAME LEASE.**

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

**MERIDIAN OIL INC. IS REQUESTING APPROVAL FOR SURFACE  
COMMINGLING AND MEASUREMENT OF HYDROCARBON PRODUCTION  
FROM THE EAST LIVINGSTON RIDGE DELAWARE POOL AND THE  
RED TANK BONE SPRING POOL ON LEASE NO. NM-81633;  
CHECKERBOARD 23 FEDERAL LEASE IN LEA COUNTY, N.M.**

<u>WELL NO.</u>	<u>LOC.</u>	<u>SEC.</u>	<u>TWP.</u>	<u>RNG.</u>	<u>FORMATION</u>
1	J	23	22S	32E	DELAWARE
2	O	23	22S	32E	BONE SPRING

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

<u>WELL NAME AND NO.</u>	<u>BOPD</u>	<u>OIL GRAVITY</u>	<u>MCFPD</u>
CHECKERBOARD 23 FED. #1	187	39.1	187
CHECKERBOARD 23 FED. #2	92	45.0	190

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

**A MAP IS ENCLOSED SHOWING THE LEASE NUMBER 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.**

RECEIVED

SEP 14 1984

COMMUNICATIONS  
OFFICE

THE STORAGE AND MEASURING FACILITY IS LOCATED AT THE SW4/SE4 OF SEC. 23, T-22-S, R-32-E, ON LEASE NO. NM-81633, 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:

WELL NO. 1 OIL AND GAS WILL BE METERED.

WELL NO. 2 OIL WILL BE METERED AND GAS WILL BE CALCULATED.

EACH WELL HAS IT'S OWN 3-PHASE HEATER TREATER. BOTH 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. WELL NO. 1 IS ALSO EQUIPPED WITH AN ORIFICE TEST METER TO MEASURE THE GAS VOLUMES. WELL NO. 2 GAS VOLUME WILL BE CALCULATED BY SUBTRACTING THE VOLUME FOR WELL NO. 1 FROM THE TOTAL LEASE SALES VOLUME.

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 LEASE.

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..

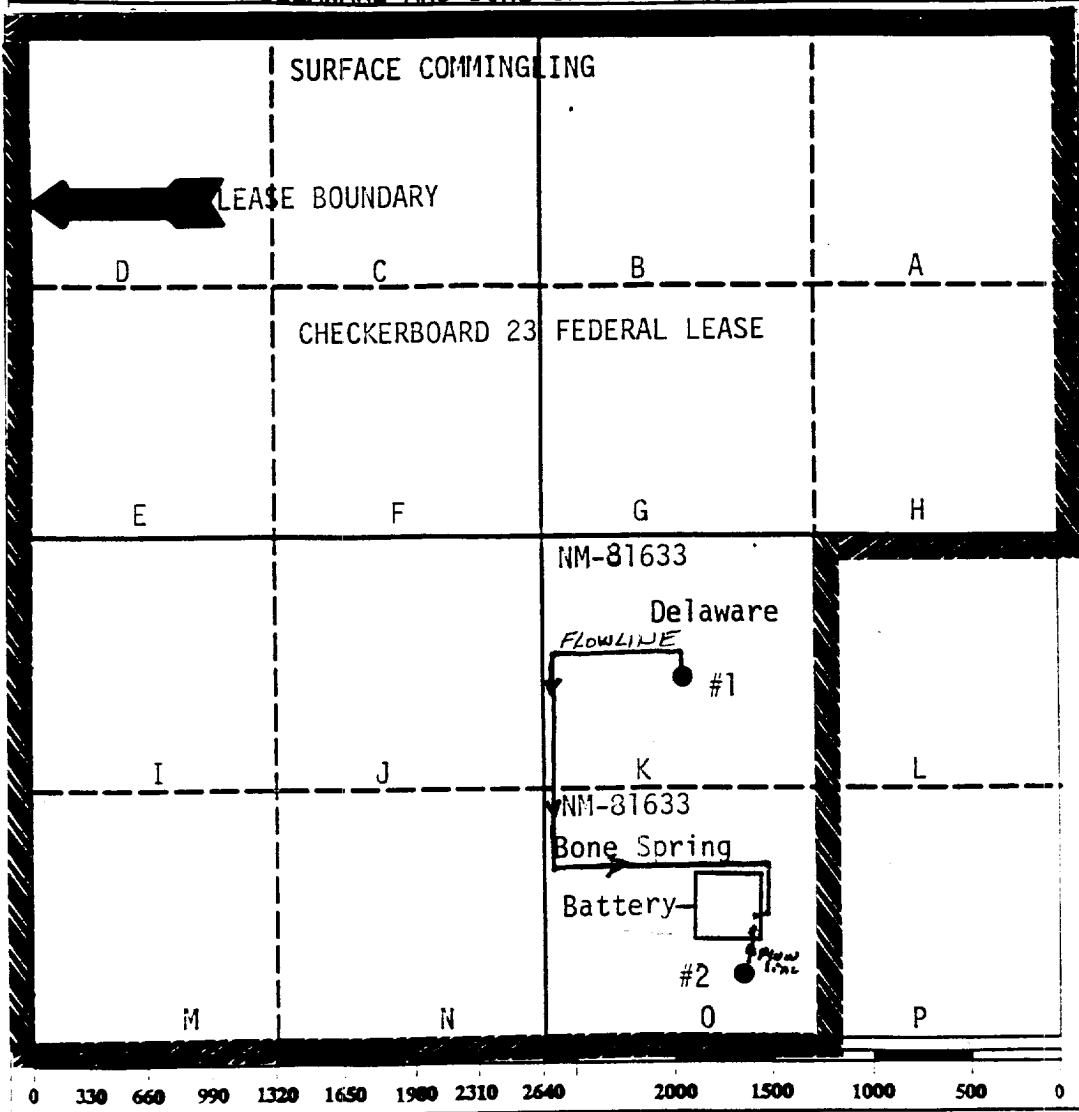
SIGNATURE: Maria L. Perez  
NAME: MARIA L. PEREZ  
TITLE: PRODUCTION ASST.  
DATE: 9-2-93

RECEIVED

SEP 1 1983

OFFICE

Operator MERIDIAN OIL INC.			Lease CHECKERBOARD 23 FEDERAL		Well No. 1 and 2
Unit Letter	Section 23	Township 22-S	Range 32-E	County NMPM	LEA
Producing Formation DELAWARE AND BONE SPRINGS					



WELL NO. 1 LOCATION:  
J, 1930' FSL & 1980' FEL

WELL NO. 2 LOCATION:  
O, 330' FSL & 1650' FEL

LEASE DESCRIPTION: 560 ACRES.  
ALL OF SECTION 23 EXCEPT FOR THE  
E/2 OF THE SE/4.

RECEIVED

SEP 14 1993

37402

WELLHEAD

WTR TANK

OIL TANK

WTR LINE

OIL LINE

Flowline #1

Flowline #2

4x20 HT

6x20 VT

WTR

OIL

WTR TANK

OIL TANK

WTR LINE

OIL LINE

Flowline #1

Flowline #2

4x20 HT

6x20 VT

WTR

OIL

(NOT TO SCALE)



**RECEIVED**

SEP 11 1998

OFFICE