

April 30, 1996

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Jicarilla 150 #5
1450'FSL, 1115'FWL, Section 12, T-26-N, R-5-W, Rio Arriba County, NM
API #30-039-20229

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well.

To comply with the New Mexico Oil Conservation Division rules, Meridian is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for each zone for at least one year;
4. Notification list of offset operators

The Jicarilla Apache Tribe is the only interest owner and they have been notified by copy of this application.

The allocation formula will be based off historical Dakota production and decline. Any production over Dakota will be allocated to the Mesa Verde.

Please let me know if you require additional data.

Sincerely,

Peggy Bradfield
Regulatory/Compliance Administrator

encs.

xc: Bureau of Land Management - Rio Puerco Area
New Mexico Oil Conservation Division - Aztec

ADDING POINT LOOKOUT
PERKS IN MESAVERDE
& WILL CHANGE
PRODUCTION PROFILE.
WRITE UP FOR
FRANK TO ALLOCATE.
BS

VERBAL ON
5.31.96

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS

☒ Administrative
☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Meridian Oil Inc

PO Box 4289, Farmington, NM 87499

Operator

Address

Jicarilla 150

5

L-12-26N-5W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 16344 API NO. 30-039-20111 Federal ☒ , State , (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	5625-6328'		8308-8400'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. SIWHP: 472, BHP 548 (Original) b. SIWHP: 990, BHP: 1167	a. b.	a. SIWHP: 801, BHP 976 b. SIWHP: 2617, BHP 3248
6. Oil Gravity (°API) or Gas BTU Content	1203 (estimated)		1175 (estimated)
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In 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 * If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: Rates: Date: 4-20-96 Rates: 84 MCFGPD, no oil, no wtr	Date: Rates: Date: Rates:	Date: Rates: Date: 4-20-96 Rates: 1.18 BOPD, 72 MCFGPD, no wtr
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: %	Oil: % Gas: %	Oil: % Gas: %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones?

☒ Yes ☐ No

If not, have all working, overriding, and royalty interests been notified by certified mail?

☒ Yes ☐ No

Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☐ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:

- * C-102 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 all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Peggy Bradfield TITLE Regulatory Administrator DATE 4-30-96TYPE OR PRINT NAME Peggy Bradfield TELEPHONE NO. (505) 326-9700

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

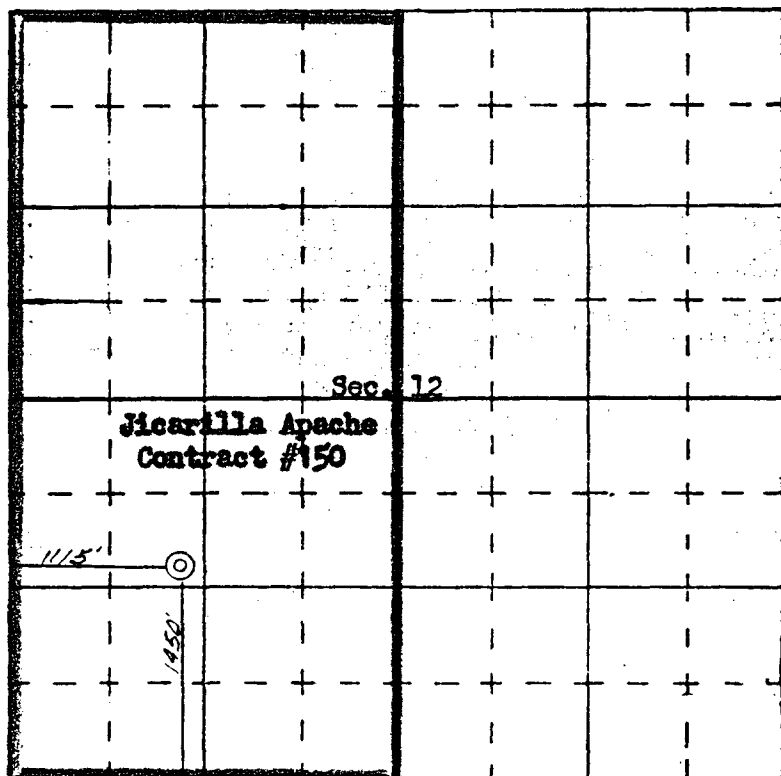
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICARILLA 150		Well No 5
Unit Letter L	Section 12	Township 26 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well:					
1450 feet from the SOUTH		1115 feet from the WEST		line	
Ground Level Elev. 7348.0	Producing Formation Mesaverde Dakota	Pool Blanco Mesaverde Basin Dakota	Dedicated Acreage: W/2 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
- () Yes () No If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

_____ **Blanco Mesaverde**
_____ **Basin Dakota**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

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

**ORIGINAL SIGNED BY
B. R. VANDERSLICE**

Name
B. R. Vanderslice

Position
Area Superintendent

Company
Southern Union Production

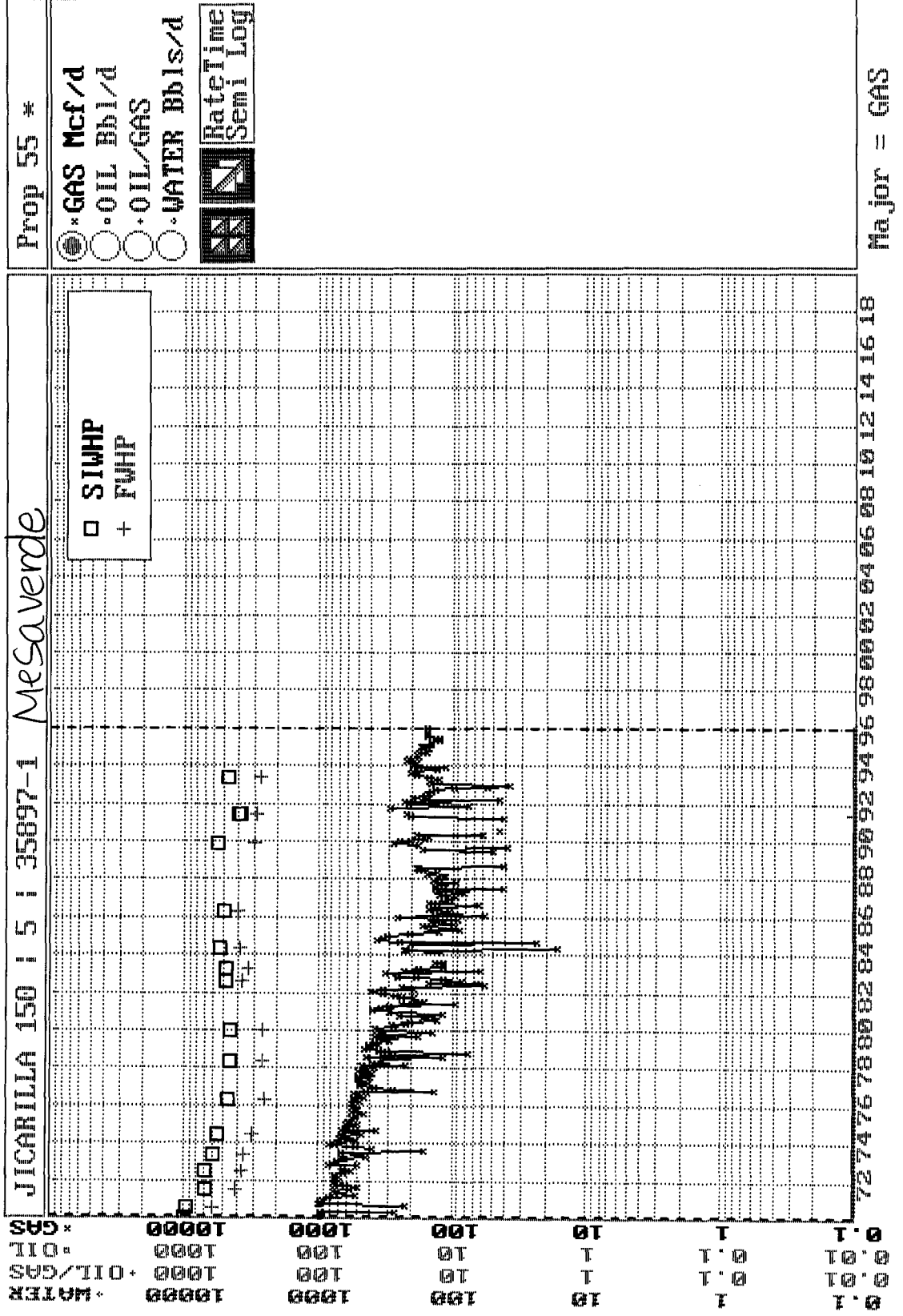
Date
June 18, 1969

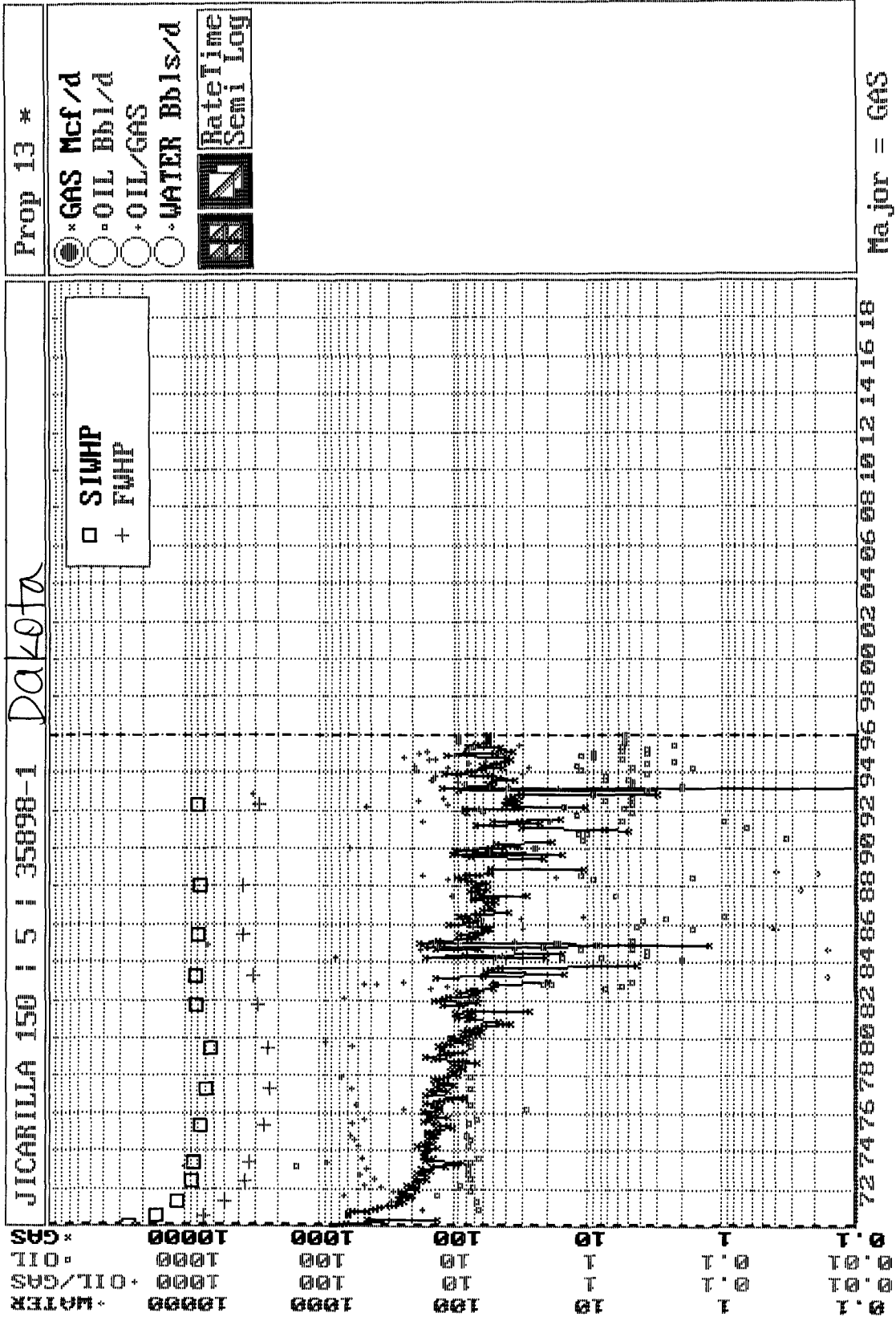
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

16 June 18, 1969
Date Surveyed
[Signature]
Registered Professional Engineer
and/or Land Surveyor

JAMES P. LESSE

1463
Certificate No.





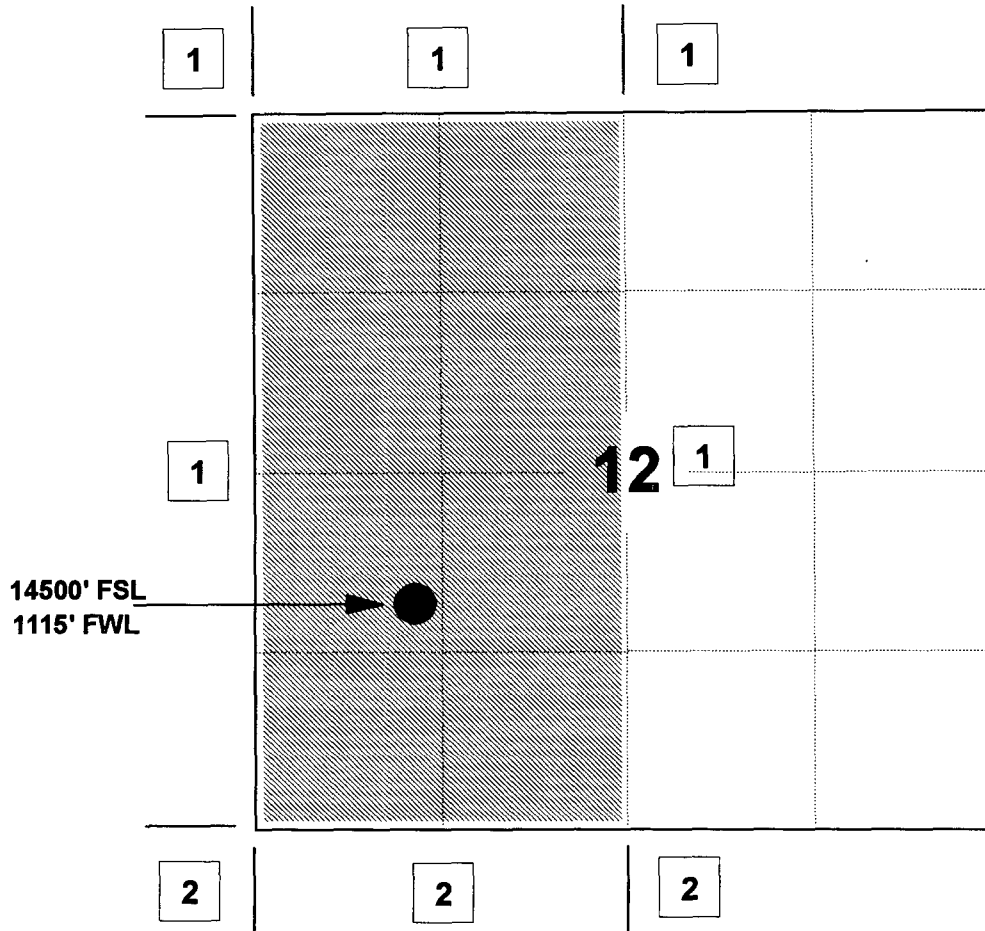
MERIDIAN OIL INC

JICARILLA 150 #5

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Commingle Well

Township 26 North, Range 5 West



1) Meridian Oil Inc

2) Amoco Production Company

PO Box 800, Denver, CO 80201

Mesaverde / Dakota Formation