

2/6/98	2/26/98	DC	MV	DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [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 - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

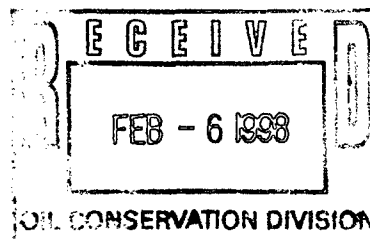
Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Gray W. Beink
Print or Type Name

Signature

Title

Production Supt.

Date

2/3/98



TAURUS EXPLORATION USA, INC.
2198 Bloomfield Highway
Farmington, New Mexico 87401
Telephone (505) 325-6800

February 3, 1998

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

RE: Administrative Approval to Downhole Commingle
Taurus Exploration U.S.A., Inc.
Jicarilla 107 #5
1720' FNL, 1495' FWL, Sec. 33, T26N, R4W NMPM
Rio Arriba County, New Mexico

Dear Mr. LeMay:

Taurus Exploration U.S.A., Inc. requests administrative approval for downhole commingling the Blanco Mesa Verde and W. Lindrith Gallup-Dakota pools in the subject well. The well is currently producing as a Mesa Verde/Gallup Dakota dual completion. The Dakota zone has experienced liquid loading problems and it is felt downhole commingling will eliminate excessive swabbing expenditures and provide a mechanical configuration to plunger lift the well.

To comply with New Mexico Oil Conservation Rules, Taurus Exploration U.S.A., Inc. is submitting the following data for your approval of the proposed commingling:

1. For C107A - Application for Downhole Commingling
2. C-102 - Location plat showing each spacing unit and dedicated acreage
3. Production curves for both the Mesa Verde/Gallup Dakota
4. Offset operator plat
5. Well location plat.

In accordance to New Mexico Oil Conservation Division Rule 303C, all offset operators are being notified of this application by certified mail. As an offset operator, if you have no objection to this application, you do not have to respond to this notification.

If additional information is needed, please contact me.

Sincerely,

Gary W. Brink
Production Superintendent

GWB/df

F:\PRODUCT\NOC\JIC107#5.WPD

cc: NMOCD - Aztec, BLM - Albuquerque, Offset operators

DISTRICT I

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

DISTRICT II

811 S. 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 875054-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Taurus Exploration U.S.A., Inc.

2198 Bloomfield Highway, Farmington, NM 87401

Operator

Address

Jicarilla 107

5

Unit F Sec. 33 T26N

R4W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

OGRID NO. 162928

Property Code 015879

API NO. 30-039-22053

Spacing Unit Lease Types: (check 1 or more)

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 Mesa Verde 72319		W. Lindrith GL-DK 39189
2. Top and Bottom of Pay Section (Perforations)	5501-5623		7599-7751
3. Type of production (Oil or Gas)	Gas		Oil
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	a. (Current) 547 Calc. b. (Original) 1434 Calc.	a. b.	a. 1080 Calc. b. 2835 Calc.
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content)	1263 BTU		57.8 $^{\circ}$ API
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	yes		yes
* If Shut-in, give 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:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 1/14/98 Rates: .5/43/0	Date: Rates:	Date: 12/31/97 Rates: 1/45/0
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 33 % Gas: 49 %	Oil: % Gas: %	Oil: 67 % Gas: 51 %

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 ☐ No

13. Will the value of production be decreased by commingling?

☐ Yes ☒ No (If Yes, attach explanation)14. If this well in 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

TITLE Prod. Superintendent

DATE 2/3/98

TYPE OR PRINT NAME

Gary W. Brink

TELEPHONE NO. (505) 325-6800

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-22053	² Pool Code 72319/39189	³ Pool Name Blanco Mesa Verde/W. Lindrith Gallup-Dakota
⁴ Property Code 015879	⁵ Property Name Jicarilla 107	⁶ Well Number 5
⁷ OGRID No. 162928	⁸ Operator Name Taurus Exploration. U.S.A., Inc.	⁹ Elevation 6856

¹⁰ Surface Location

UL or lot no. F	Section 33	Township 26N	Range 4W	Lot. Idn	Feet from the 1720	North/South Line North	Feet from the 1495	East/West line West	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
¹² Dedicated Acres 320/160	¹³ Joint or Infill	¹⁴ Consolidation Code	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

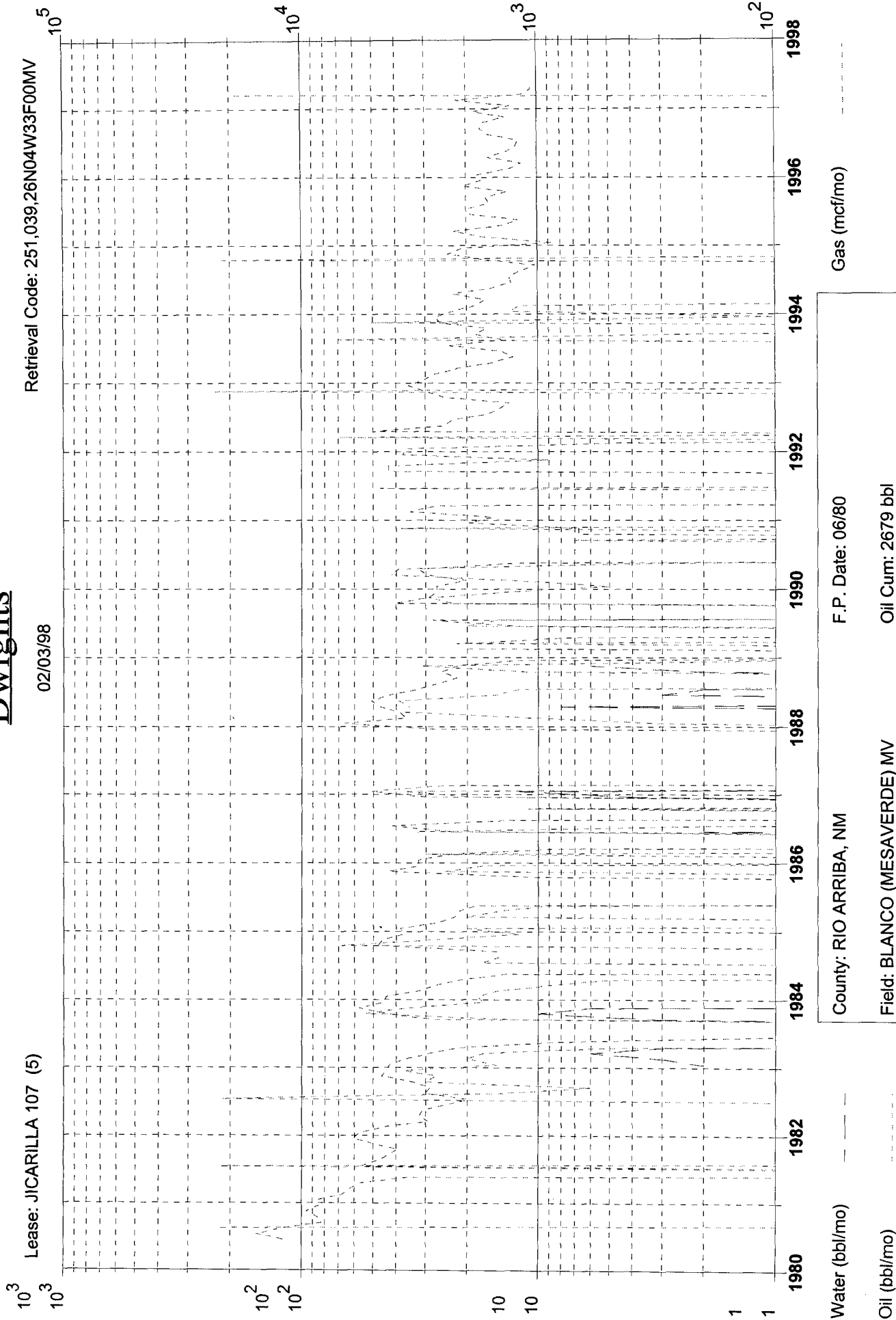
	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p></p> <p>Signature _____</p> <p>Printed Name Gary W. Brink</p> <p>Title Production Superintendent</p> <p>Date 2/3/98</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>4/6/79</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: Reissue of original survey by James P. Leese</p> <p>1463</p> <p>Certificate Number _____</p>

Dwights

Lease: JICARILLA 107 (5)

02/03/98

Retrieval Code: 251,039,26N04W33F00MV



Water (bbl/mo)

Oil (bbl/mo)

Gas (mcf/mo)

F.P. Date: 06/80

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Oil Cum: 2679 bbl

Gas Cum: 508.5 mmcf

Reservoir: MESAVERDE

Location: 33F 26N 4W

Operator: TAURUS EXPLORATION USA, I

Dwights

Lease: JICARILLA 107 (5)

02/03/98

Retrieval Code: 251,039,0392205339189



Water (bbl/mo)

Oil (bbl/mo)

County: RIO ARRIBA, NM

Field: LINDRITH WEST (GALLUP DAKOTA) GD Oil Cum: 1549 bbl

Reservoir: GALLUP DAKOTA

Gas Cum: 64.24 mmcf

Operator: TAURUS EXPLORATION USA, L

Location: 33F 26N 4W

Gas (mcf/mo)

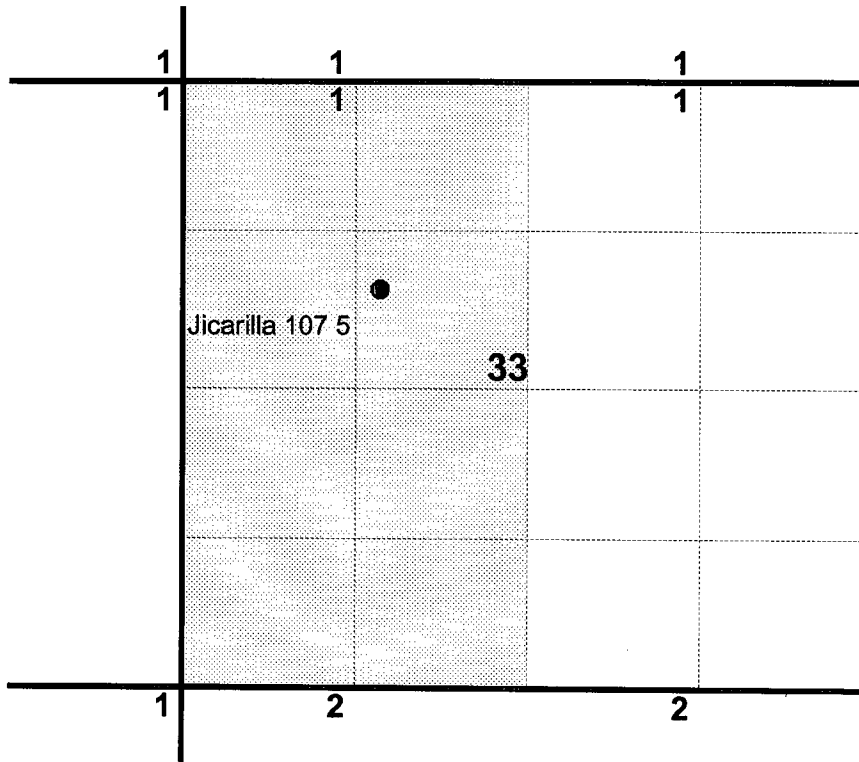
Taurus Exploration U.S.A., Inc

Jicarilla 107 #5

Offset Operator / Ownership Plat

Blanco Mesa Verde/W. Lindrith Gallup-Dakota
Downhole Commingling

Township 26 N, Range 4 W



1) Taurus Exploration U.S.A., Inc

2) Forcenergy Inc.

Three Lakeway Center

3838 N. Causeway Boulevard, Suite 2300

Metairie, LA. , 70002

Rio Arriba Co., N.M.

