

2/4/98	2/24/98	DC	M	DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

1830

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]

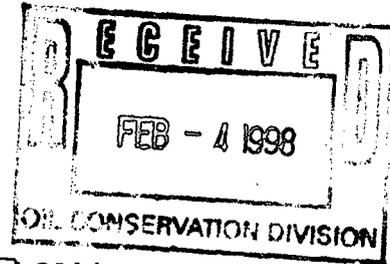
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [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: Statements must be completed by an individual with supervisory capacity.

GARY W. BEINK
Print of Type Name

[Signature]
Signature

Production Supt.
Title

2/2/98
Date



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

February 2, 1998

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

RE: Administrative Approval to Downhole Commingling
Taurus Exploration U.S.A., Inc.
Fee 12 A
1010' FNL, 900' FEL, Sec. 12, T30N, R12W NMPM
San Juan County, New Mexico

Dear Mr. LeMay:

Taurus Exploration U.S.A., Inc. requests administrative approval for downhole commingling the Aztec Pictured Cliffs and Blanco Mesa Verde pools in the subject well. The well is currently producing as a Pictured Cliffs/Mesa Verde dual completion. The Mesa Verde has experienced liquid loading problems and it is felt downhole commingling will eliminate excessive operational and swabbing expenditures to keep the zone unloaded and producing.

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 Pictured Cliffs and Mesa Verde
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

cc: NMOCD - Aztec, Commissioner of Public Lands, Offset operators

F:\PRODUCT\OCD\FEE12A.WPD

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

Form C-107-A
New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429

APPROVAL PROCESS:

Administrative Hearing

EXISTING WELLBORE

YES NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Taurus Exploration U.S.A., Inc. Address 2198 Bloomfield Highway, Farmington, NM 87401

Fee 12A A Sec. 12 T30N R12W San Juan
Lease Well No. Unit Ltr. - Sec - Twp - Rge County

OGRID NO. 162928 Property Code 007013 API NO. 30-045-25334 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	Aztec Pictured Cliff 71280		Blanco Mesa Verde 72319
2. Top and Bottom of Pay Section (Perforations)	2224-2244		3932-4794
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	a. (Current) 276 Calc	a.	a. 314 Calc
	b. (Original) 402 Calc	b.	b. 1304 Calc
6. Oil Gravity (^o API) or Gas BTU Content)	1212 BTU		1191 BTU
7. Producing or Shut-In?	Producing		Shut-in
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: 2/10/94 Rates: 0/55/1
	Date: 1/8/98 Rates: 0/36/0	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)			
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0% Gas: 40%	Oil: % Gas: %	Oil: 100% Gas: 60%

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 No

11. 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

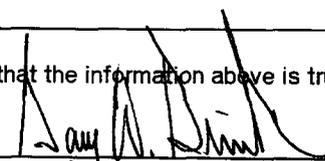
13. Will the value of production be decreased by commingling? Yes No (If Yes, attach explanation)

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. NMOC 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 2/2/98

TYPE OR PRINT NAME Gary W. Brink TELEPHONE NO. (505) 325-6800

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

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

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-25334		² Pool Code 71280/72319		³ Pool Name Aztec Pictured Cliffs/Blanco Mesa Verde	
⁴ Property Code 007013		⁵ Property Name Fee			⁶ Well Number 12A
⁷ OGRID No.		⁸ Operator Name Taurus Exploration, U.S.A., Inc.			⁹ Elevation 5850

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	12	30N	12W		1010	North	900	East	San Juan

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 160/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

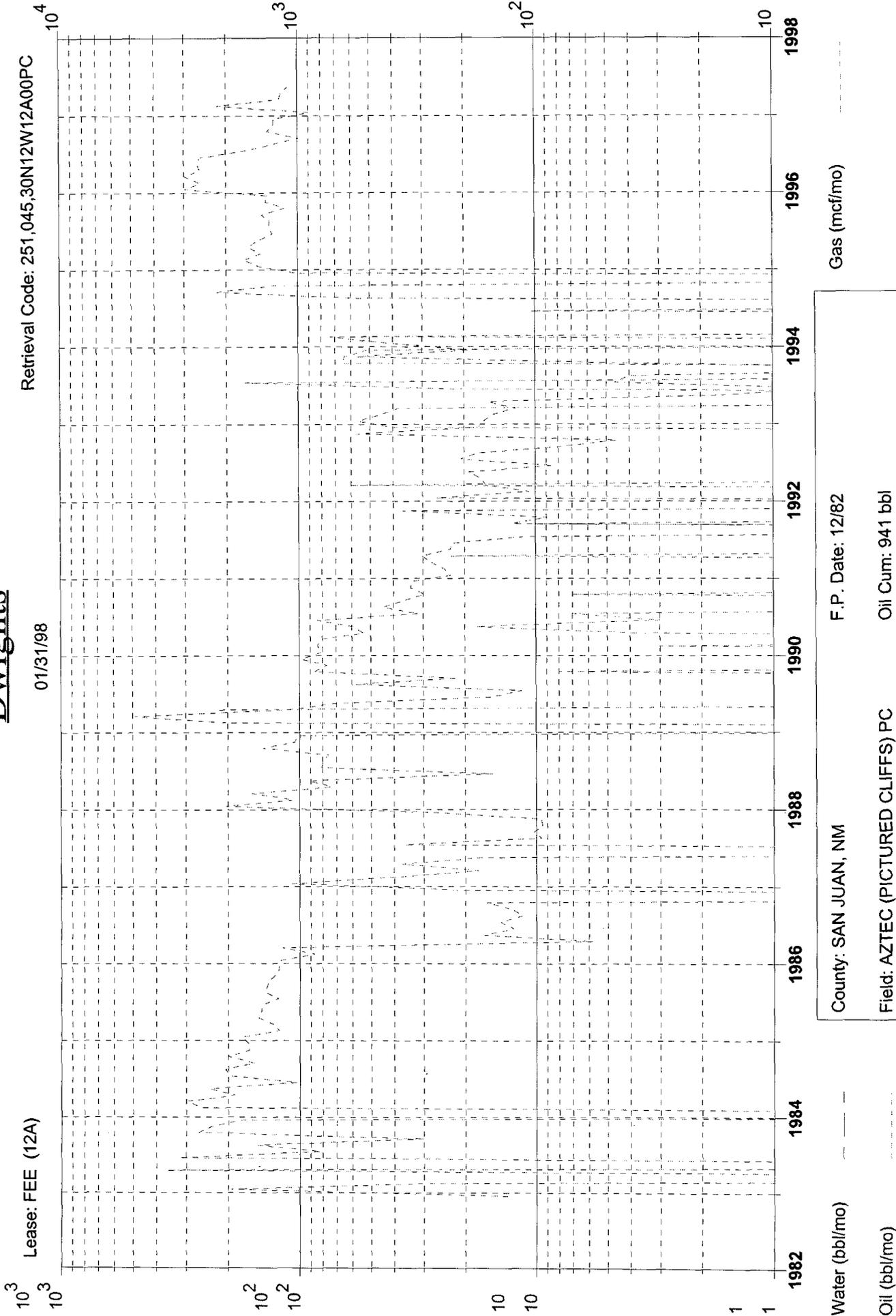
	<p>¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>Signature <u>Gary W. Brink</u> Printed Name Production Superintendent Title Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the 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>Date of Survey Signature and Seal of Professional Surveyer: Reissue of Original Survey Certificate Number</p>

Dwights

01/31/98

Lease: FEE (12A)

Retrieval Code: 251,045,30N12W12A00PC



Gas (mcf/mo)

F.P. Date: 12/82

County: SAN JUAN, NM

Oil Cum: 941 bbl

Field: AZTEC (PICTURED CLIFFS) PC

Gas Cum: 155.2 mmcf

Reservoir: PICTURED CLIFFS

Location: 12A 30N 12W

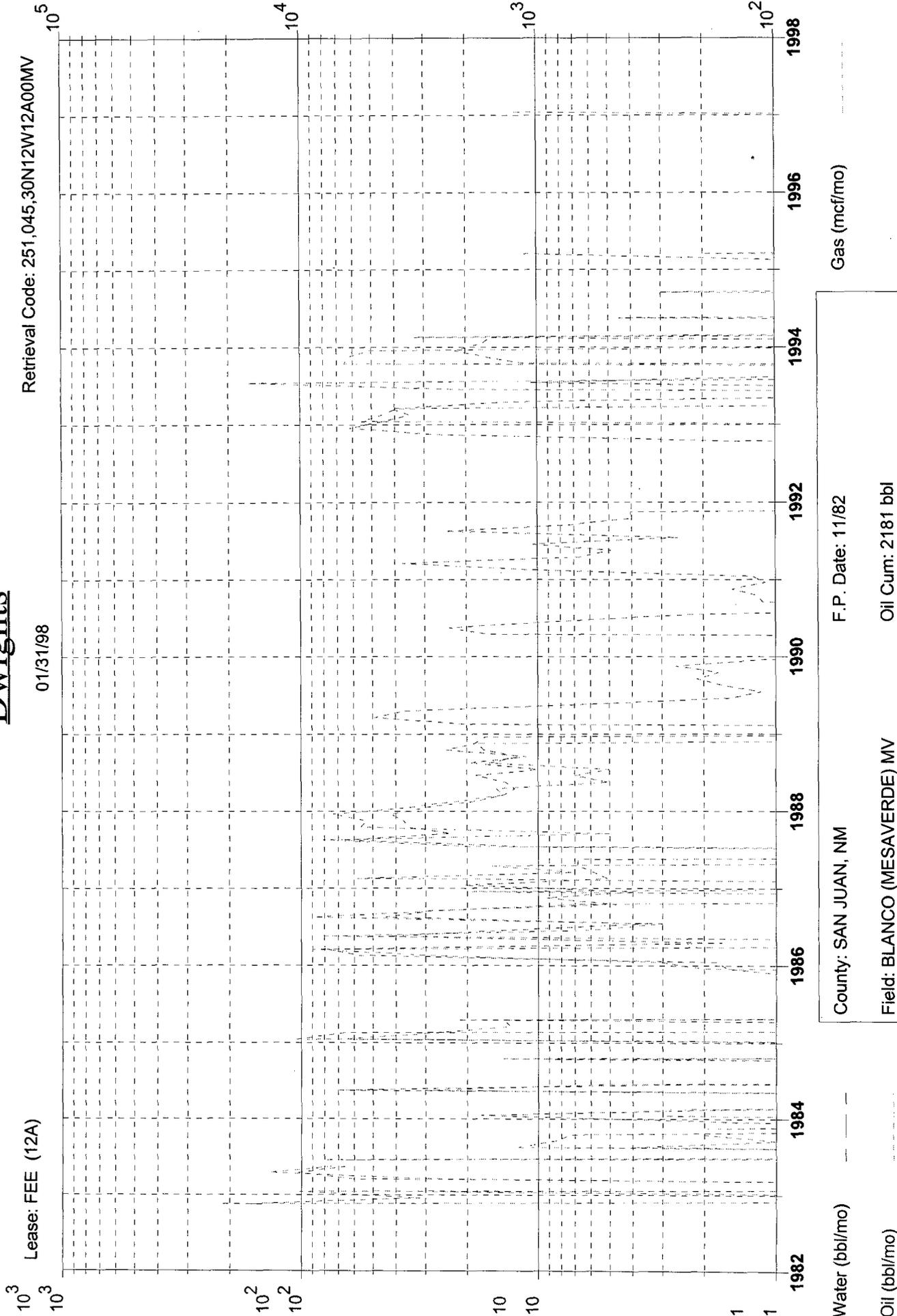
Operator: TAURUS EXPLORATION USA, I

Dwights

01/31/98

Lease: FEE (12A)

Retrieval Code: 251,045,30N12W12A00MV



Gas (mcf/mo)

Water (bbl/mo)

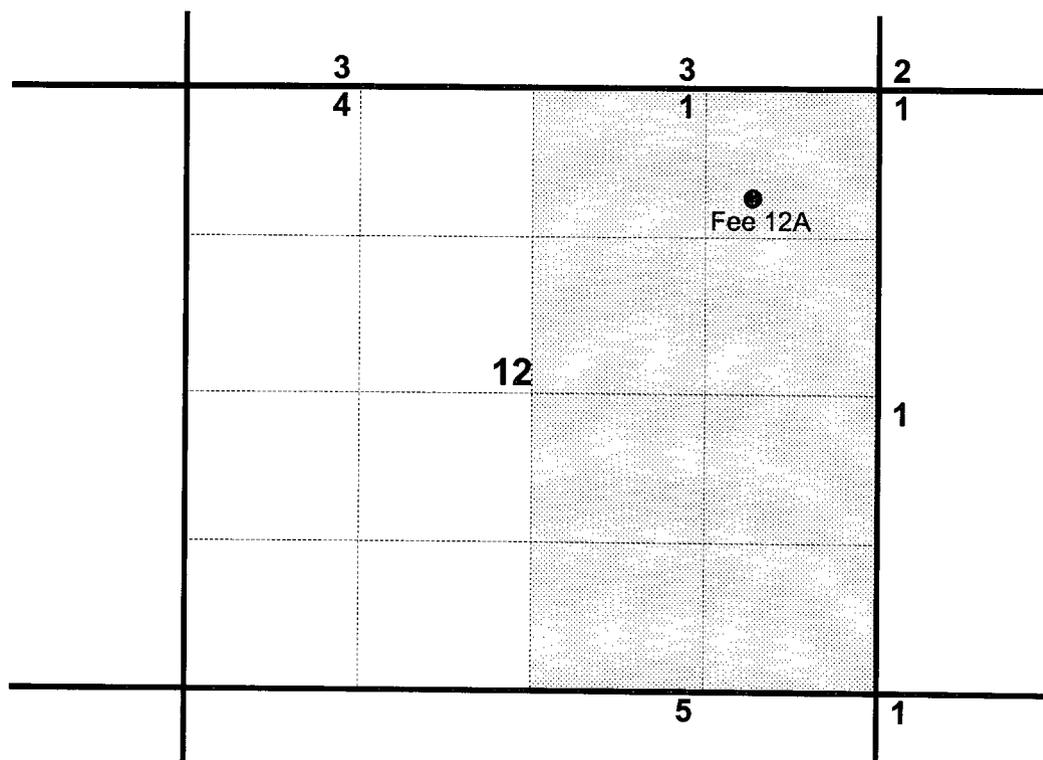
Oil (bbl/mo)

County: SAN JUAN, NM	F.P. Date: 11/82
Field: BLANCO (MESAVERDE) MV	Oil Cum: 2181 bbl
Reservoir: MESAVERDE	Gas Cum: 230.8 mmcf
Operator: TAURUS EXPLORATION USA, I	Location: 12A 30N 12W

Taurus Exploration U.S.A., Inc

Fee #12A
Offset Operator / Ownership Plat
Aztec Pictured Cliffs/ Blanco Mesa Verde
Downhole Commingling

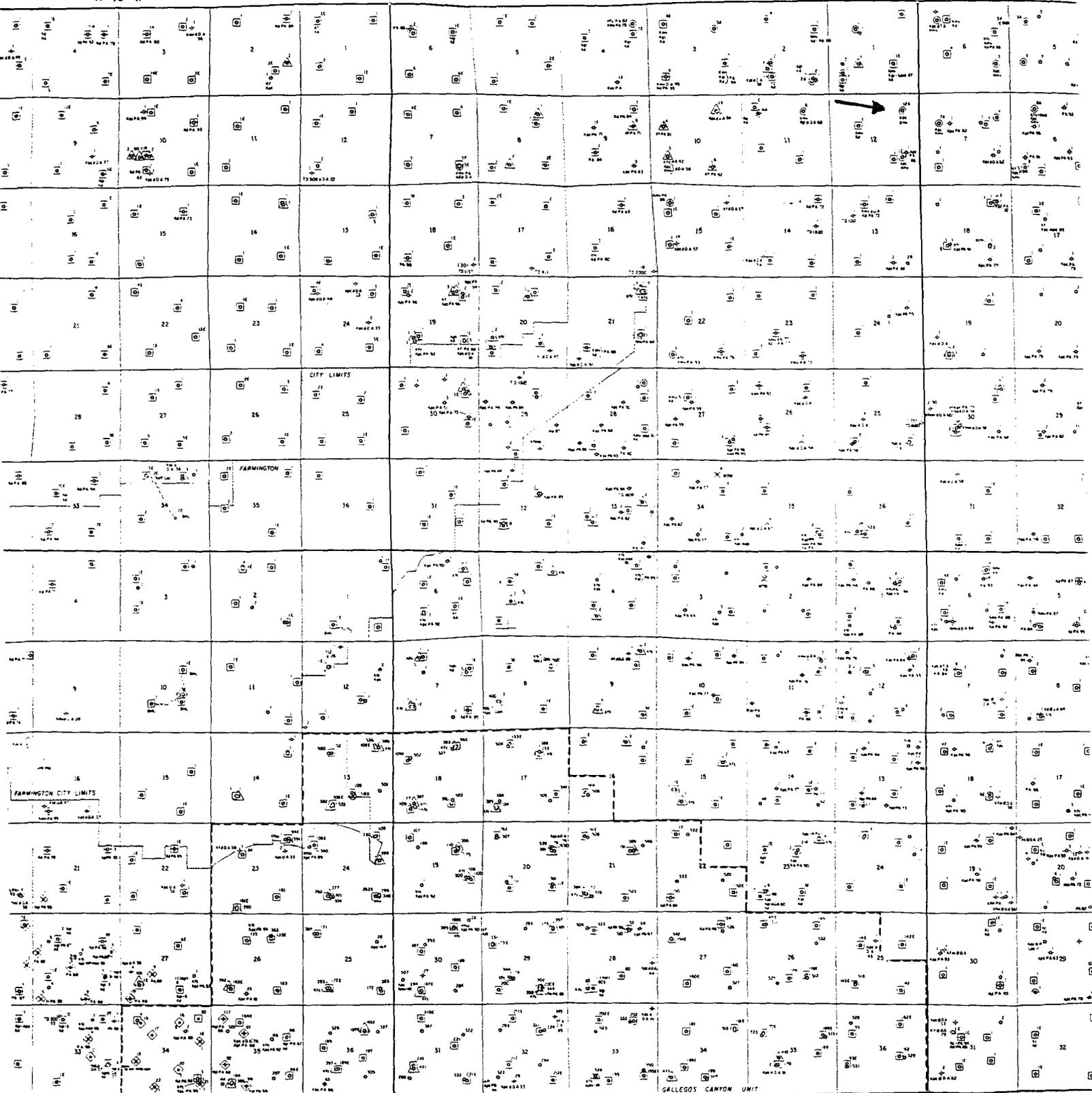
Township 30 N, Range 12 W



- 1) Taurus Exploration U.S.A., Inc
- 2) Cross Timbers
6001 U.S. Hwy 64
Farmington, N.M. 87401
- 3) Burlington Resources
P.O. Box 4289
Farmington, N.M. 87499-4289
- 4) Four Star Oil & Gas
P.O. Box 3109
Midland, Tx. 79702
- 5) Thompson Engr. & Production Co.
7415 E. Main St.
Farmington, N.M. 87401

R-13-W

R-12-W



R-13-W

R-12-W

— EXPLANATION —

WELL STATUS		WELL HISTORY	
1 - GAS WELL	1 - TEMPORARILY ABANDONED	1 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
2 - OIL WELL	2 - PERMANENTLY ABANDONED	2 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
3 - TEST TEMPORARILY ABANDONED	3 - DISCARDED	3 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
4 - INJECTION WELL	4 - SHUT IN	4 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
5 - TEST OPI & ABANDONED	5 - UNREPORTED	5 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
6 - PRODUCER NOT PLUGGED & ABANDONED	6 - TEMPT WELL	6 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
7 - TEST DRILLED WOC IMPD	7 - LEFT TO ABANDON	7 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN
8 - NO PRODUCTION SHOWN	8 - NO PRODUCTION SHOWN	8 - PICTURED CLIPPER COMPLETED IN 1981	NO PRODUCTION SHOWN

Taurus Exploration U.S.A., Inc.
 Well location Plat
 Fee #12A
 Unit A, Section 12, T 30 N, R 12 W
 San Juan Co., N.M.