

DATE IN 12/15/97	SUSPENSE 1/5/98	ENGINEER DC	LOGGED BY JW	TYPE 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

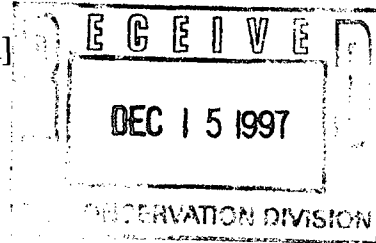
Check One Only for [B] and [C]

[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 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.

Kay Maddox
Print or Type Name

Signature

Kay Maddox

Regulatory Agent
Title

12/10/97
Date

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 87505-6429

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

APPROVAL PROCESS:
☒ Administrative ☐ Hearing
EXISTING WELLBORE
☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease Jicarilla B Well No #9A Section 26, T-26-N, R-4-W, D Rio Arriba
County Unit Ltr Sec Twp Rge

OGRID NO. 005073 Property Code 18018 API NO. 30-039-06327 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	Tapicito Pictured Cliffs 85920	Blanco Mesaverde 72319	Wildhorse Dakota 64300
2. TOP and Bottom of Pay Section (Perforations)	3510-3540'	5663-5758'	7725-8000'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	298	638	1084
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1111	1312	2496
6. Oil Gravity (°API) or Gas BT Content	1325	1245	1000
7. Producing or Shut-in?	Shut-in	Producing	Shut-in
Production Marginal? (yes or no)	Yes	Yes	Yes
• If Shut-In give date and oil/gas/water rates of last production	Date Rates December 1995 8 MCFD	Date Rates:	Date Rates August 1996 17 MCFD
Note For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates October 1997 54 MCFD, 0 Oil, 0 water	Date Rates
8. Fixed Percentage Allocation Formula - % for each zone	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 ☐ 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 others ☒ Yes ☐ No

13. 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. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S)

16. ATTACHMENTS

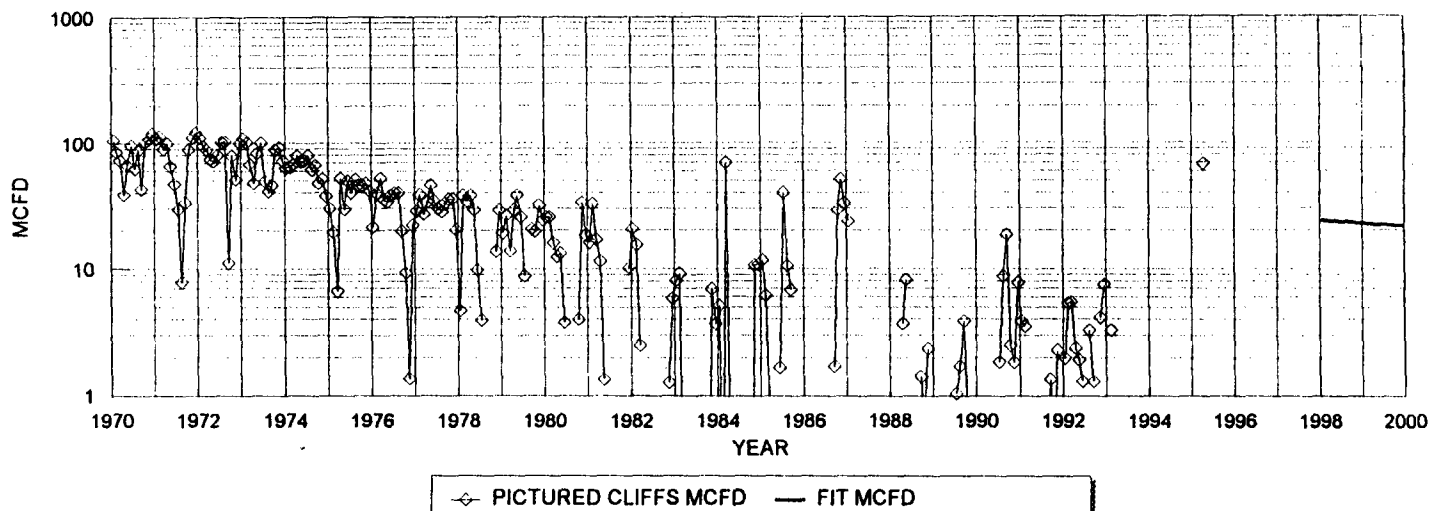
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 Kay Maddox TITLE Regulatory Agent DATE 12/10/97

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

JICARILLA B 9A PICTURED CLIFFS PRODUCTION
SECTION 26D-26N-04W



HISTORICAL DATA:

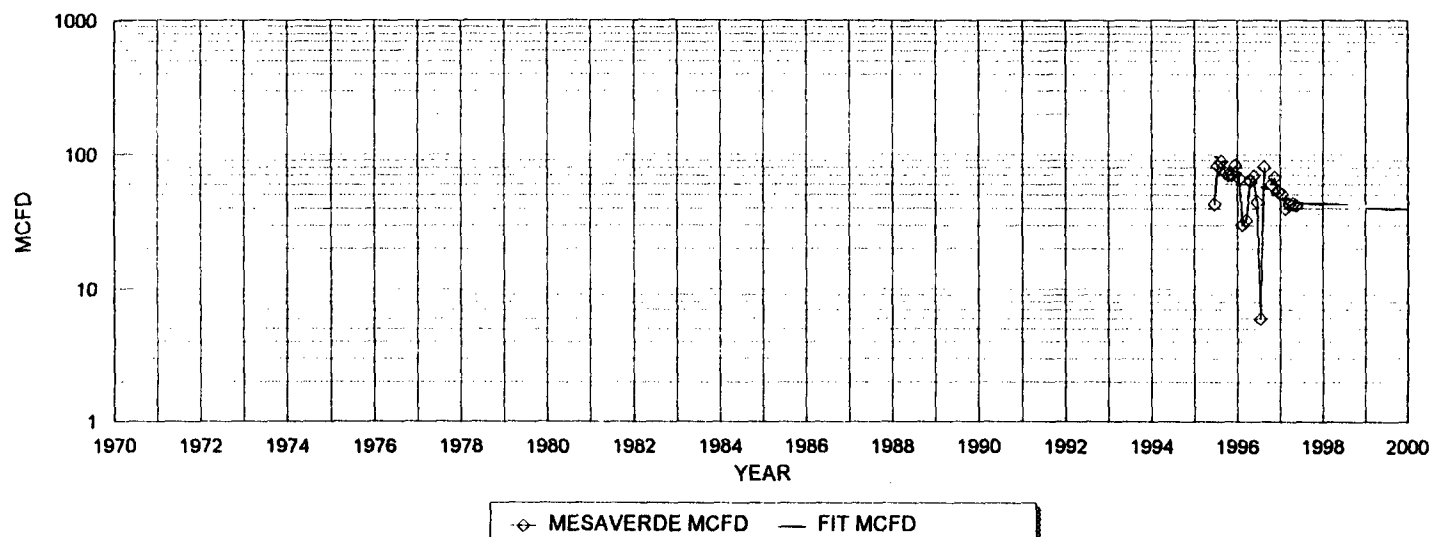
OIL CUM: 3.71 MBO
GAS CUM: 665.1 MMCF
OIL YIELD: 0.0056 BBL/MCF

1ST PROD: 09/62

PICTURED CLIFFS PROJECTED DATA

10/1/97 Q1: 24 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

JICARILLA B 9A MESAVERDE PRODUCTION
SECTION 26D-26N-04W



HISTORICAL DATA

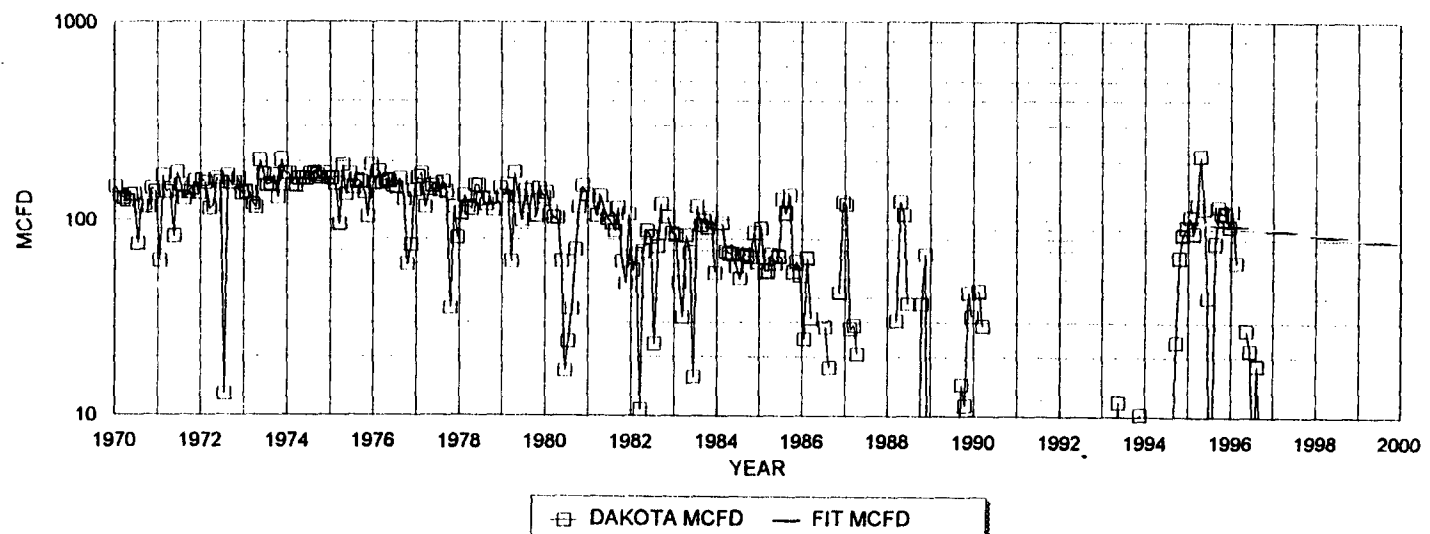
OIL CUM: 0.1 MBO
GAS CUM: 39.8 MMCF
OIL YIELD: 0.0037 BBL/MCF

1ST PROD: 06/95

MESAVERDE PROJECTED DATA

2/1/98 Q1: 43 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

JICARILLA B 9A DAKOTA PRODUCTION
SECTION 26D-26N-04W



HISTORICAL DATA

OIL CUM: 66.1 MBO
GAS CUM: 1255.0 MMCF
OIL YIELD: 0.0527 BBL/MCF

1ST PROD: '62

DAKOTA PROJECTED DATA

02/1/98 Q1: 85 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
PICTURED CLIFFS	16%	0%
MESAVERDE	29%	10%
DAKOTA:	56%	90%

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS FOR LAST 2 YRS OF PRODUCTION

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994
instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

State Lease - 4 Copies

District IV
PO Box 2088, Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327		2 Pool Code 85920		3 Pool Name Tapicito Pictured Cliffs	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

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
D	26	26N	4w		1130	North	1055	West	Rio Arriba

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	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

17 OPERATOR CERTIFICATION

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

Kay Maddox
Signature
Kay Maddox
Printed Name
Regulatory Agent
Title
December 8, 1997
Date

18 SURVEYOR CERTIFICATION

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.

Date of Survey
Signature and Seal of Professional Surveyor:

Certificate Number

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

10 Surface Location

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D	26	26N	4w		1130	North	1055	West	Rio Arriba

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327		2 Pool Code 64300		3 Pool Name Wildhorse Dakota	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

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
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Date of Survey
Signature and Seal of Professional Surveyor:

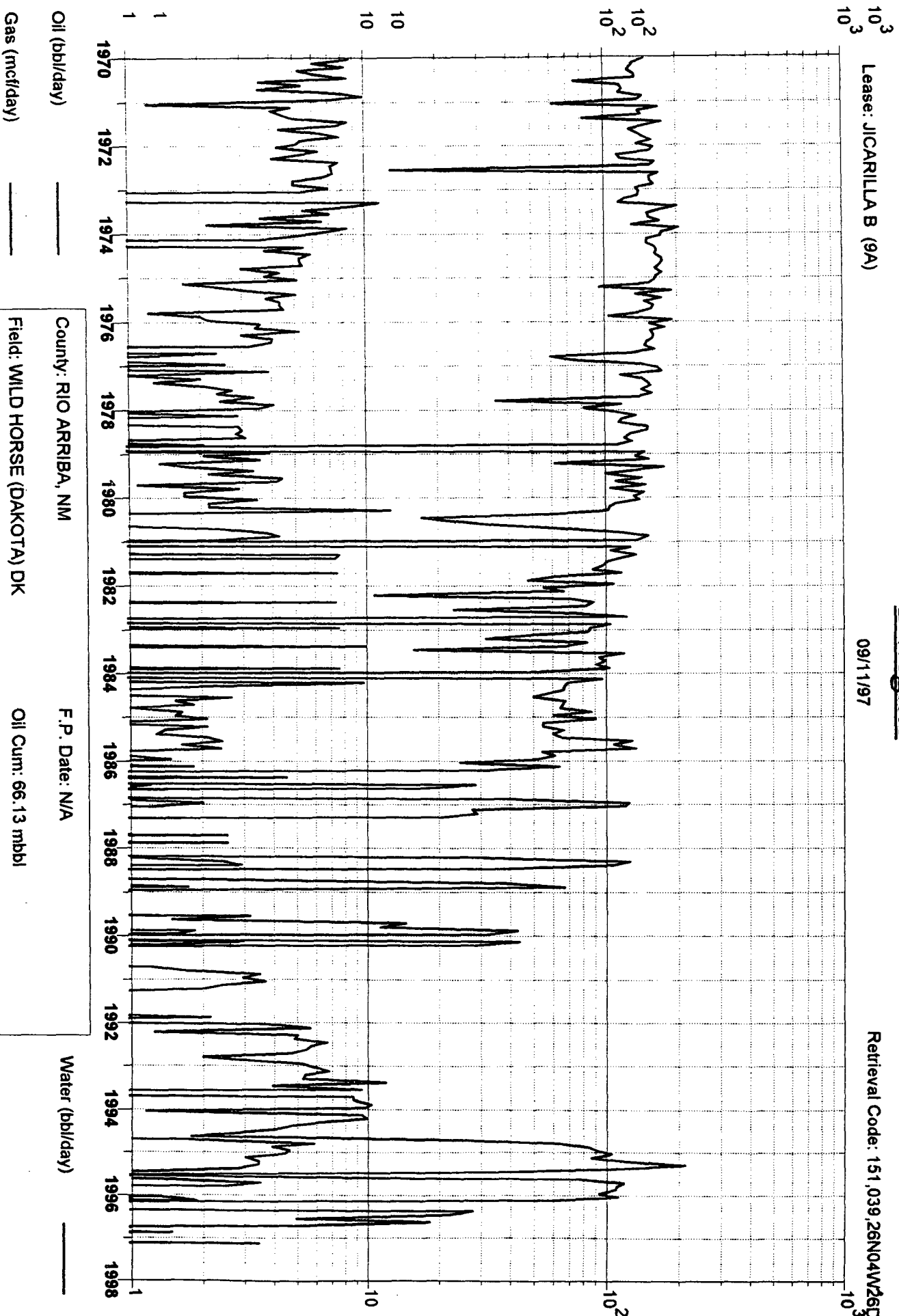
Certificate Number

Dwights

Lease: JICARILLA B (9A)

09/11/97

Retrieval Code: 151.039.26N04W26D00DK



Oil (bbl/day)

Gas (mcf/day)

Water (bbl/day)

County: RIO ARriba, NM

Field: WILD HORSE (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: N/A

Oil Cum: 66.13 mbbl

Gas Cum: 1255 mmcf

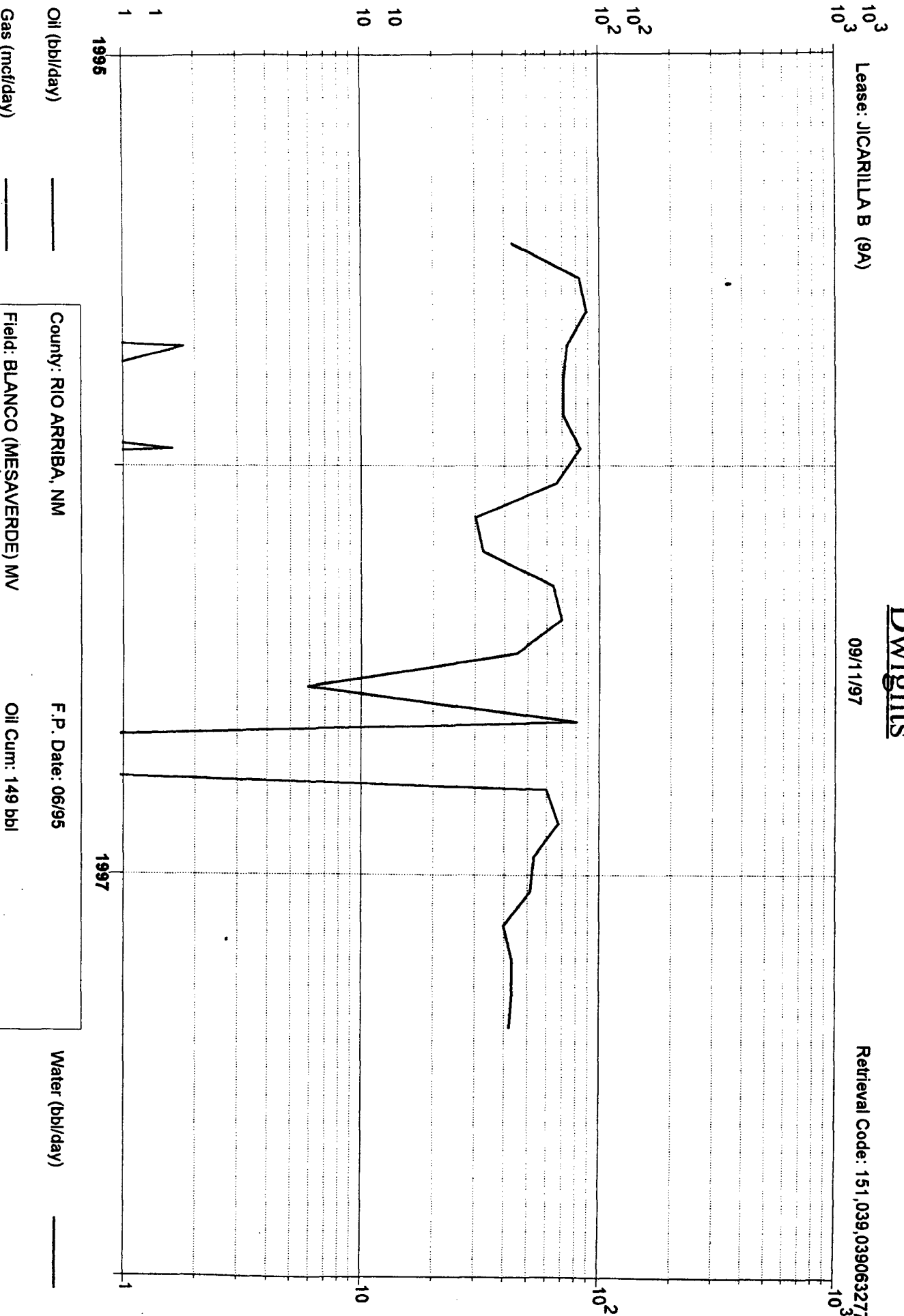
Location: 26D 26N 4W

Dwights

Lease: JICARILLA B (9A)

09/11/97

Retrieval Code: 151,039,0390632772319



County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: CONOCO INC

F.P. Date: 06/95

Oil Cum: 149 bbl

Gas Cum: 39.78 mmcf

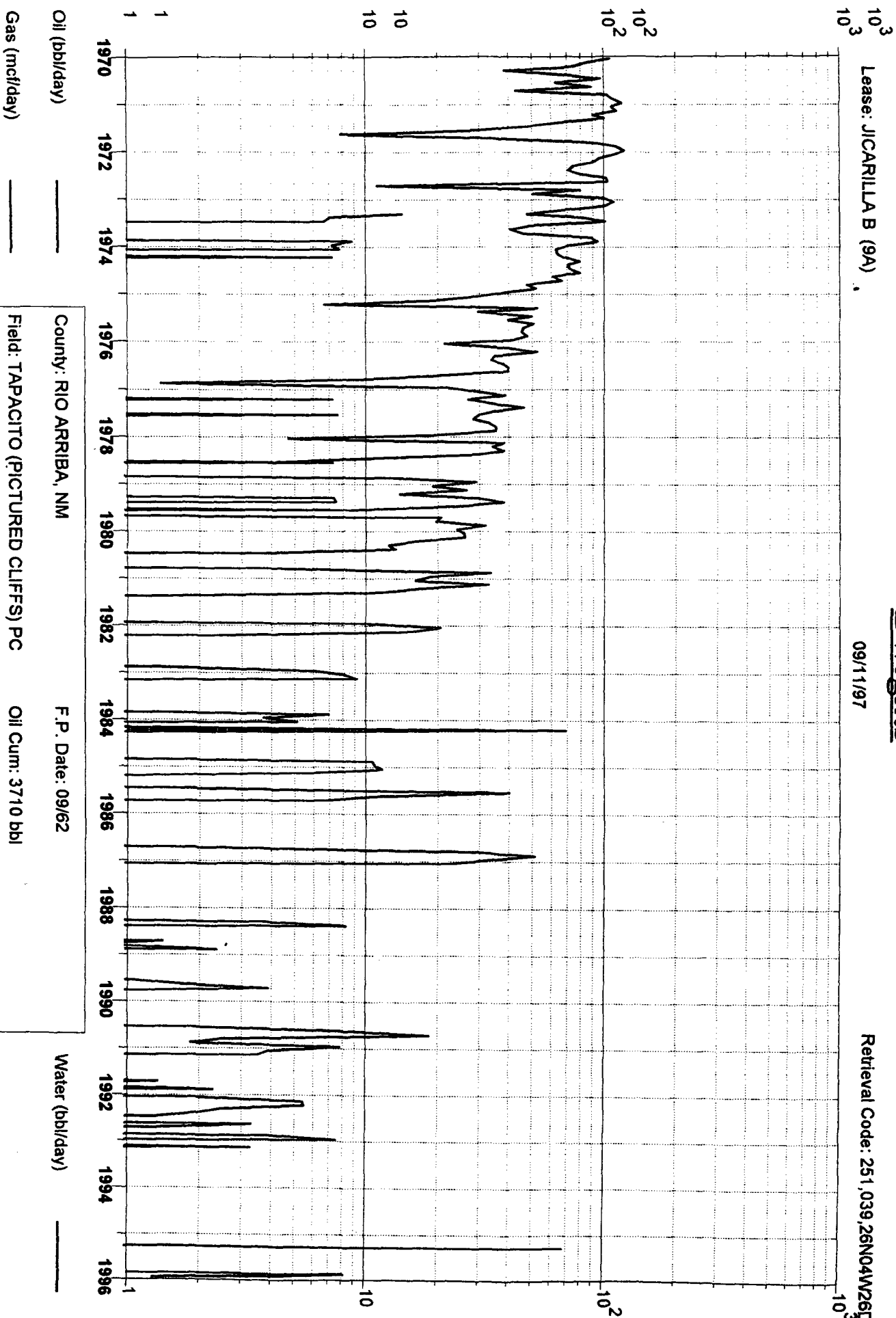
Location: 26D 26N 4W

Dwights

Lease: JICARILLA B (9A)

09/11/97

Retrieval Code: 251,039,26N04W26D00PC



Oil (bbl/day)

Gas (mcf/day)

County: RIO ARriba, NM

Field: TAPACITO (PICTURED CLIFFS) PC

Reservoir: PICTURED CLIFFS

Operator: CONOCO INC

F.P. Date: 09/62

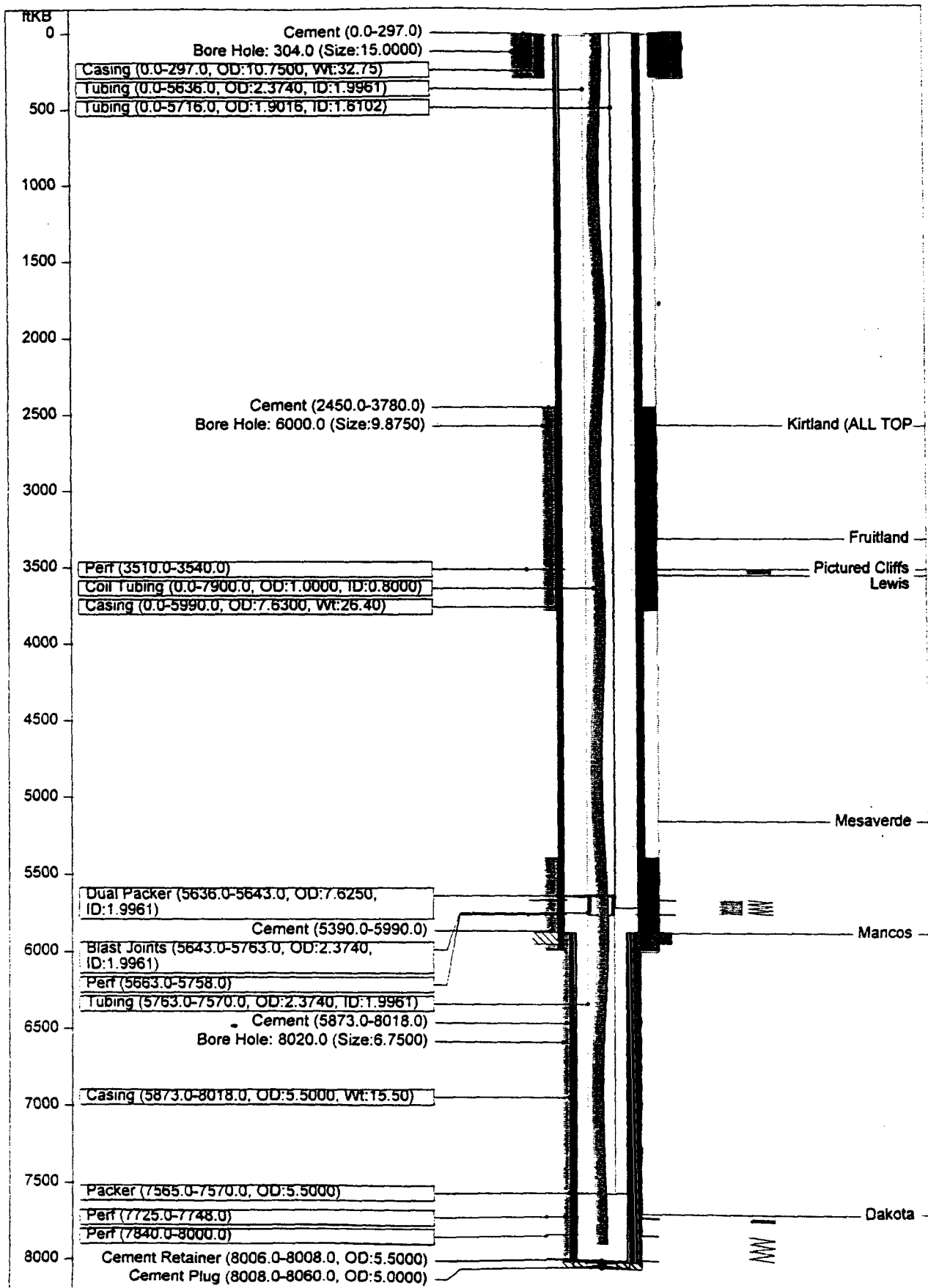
Oil Cum: 3710 bbl

Gas Cum: 665.1 mmcf

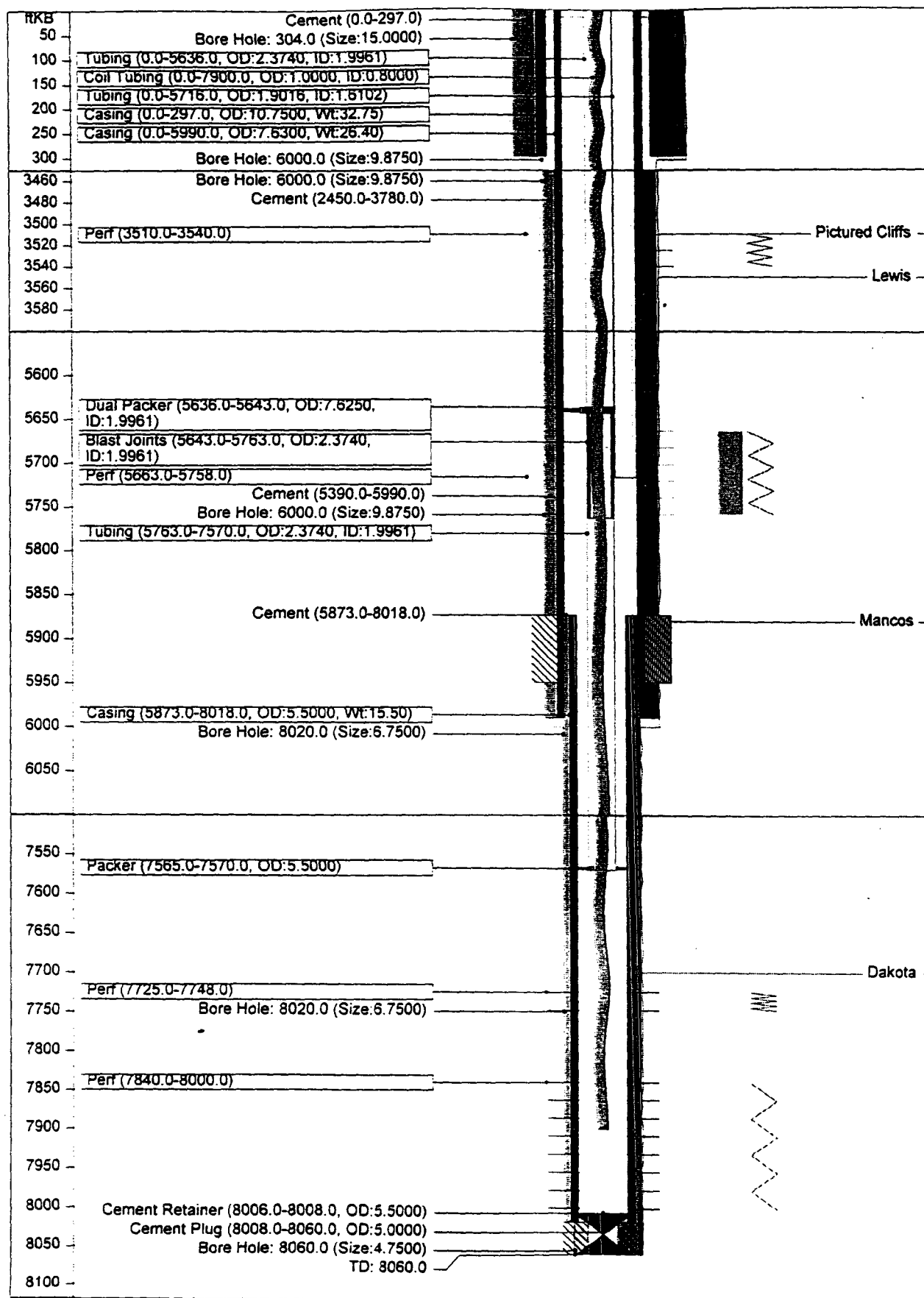
Location: 26D 26N 4W

Water (bbl/day)

JICARILLA B 9 A (GMH 9/9/97)



JICARILLA B 9 A (GMH 9/9/97)



**Conoco, Inc
Jicarilla B Well # 9A
Section 26, T-26-N, R-4-W
Rio Arriba County, NM**

RE: Downhole Commingle Application

Offset Operators:

Chateau Oil & Gas, Inc.
2515 McKinney Ave, STE 840
Dallas, TX 75201

Burlington Resources
PO Box 4289
Farmington, NM 87499