

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 ☐ NOConoco Inc.
Operator10 Desta Dr., Ste 100W, Midland TX 79705
AddressBruington Federal
Lease15N
Well No.N-15-30N-11W
Unit Ltr. - Sec - Twp - RgeSan Juan
County

OGRID NO. 005073 Property Code 003142 API NO. 30-045-09452

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 Mesaverde 72319		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	4361' - 4785'		6662' - 6840'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Expected to Flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 932 psia b. (Original) 1203 psia	a. b.	a. 786 psia b. 2641 psia
6. Oil Gravity (°API) or Gas BTU Content	1211 BTU		1173 BTU
7. Producing or Shut-In?	Recomplete		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: Incremental Rates: Production by Subtraction	Date: Rates:	Date: mid-year Rates: avg. Rates -- See Table
8. Fixed Percentage Allocation Formula - % for each zone	Oil: NA % Gas: NA %	Oil: % Gas: %	Oil: NA % Gas: NA %

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 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

Sr. Conservation

TITLE Coordinator

DATE 12/17/96

TYPE OR PRINT NAME

Jerry W. Hoover

TELEPHONE NO. (

915)

686-6548

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Section A.

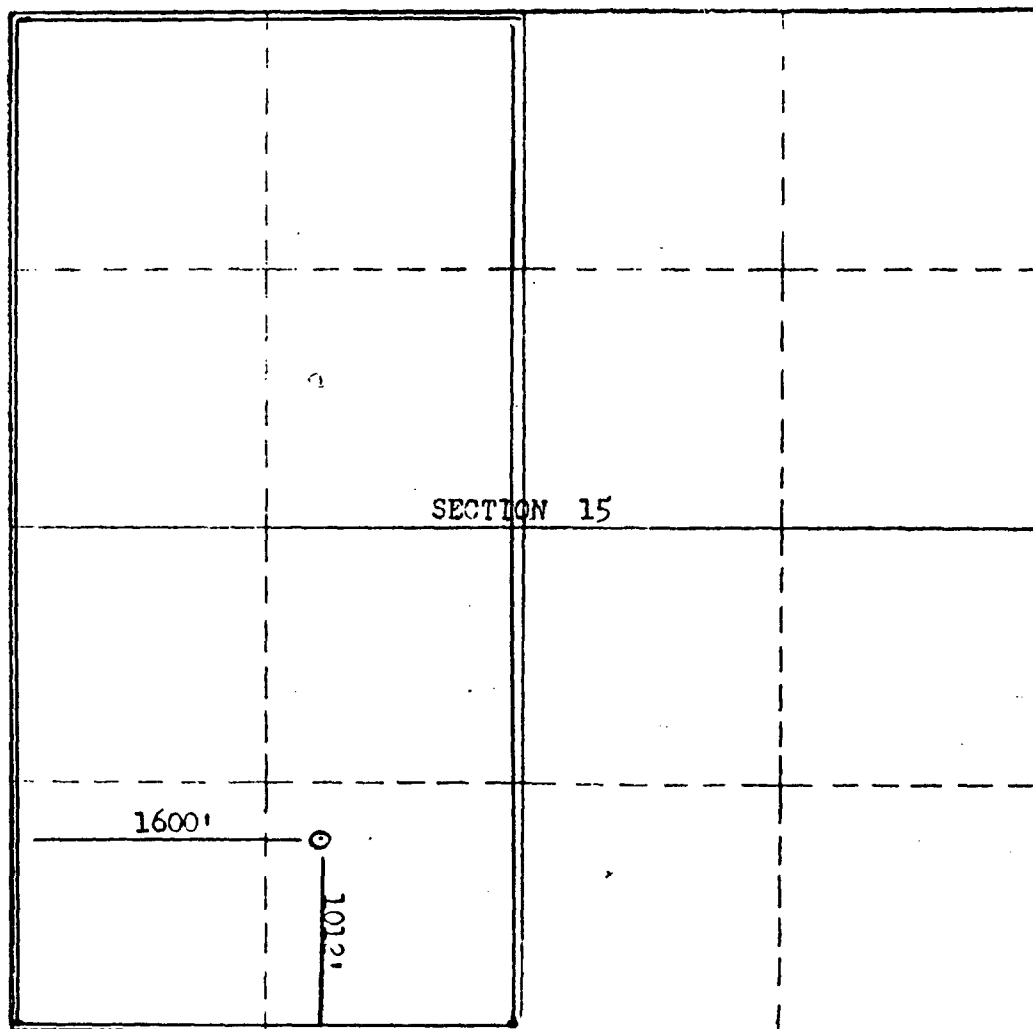
Date November 22, 1963

Operator PURCO PETROLEUM CO. Lease BRUINGTON FEDERAL
 Well No. 15-N Unit Letter N Section 15 Township 30 N Range 11 W 1000'
 Located 1012 Feet From south Line, 1600 Feet From west Line
 County San Juan G. L. Elevation 5823 Dedicated Acreage 320 Acres
 Name of Producing Formation Dakota Pool Basin

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
 Yes _____ No X _____.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation Communitization agreement in process between owners
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
<u>PURCO PETROLEUM CORP.</u>	<u>SW$\frac{1}{4}$, NE$\frac{1}{4}$NW$\frac{1}{4}$ (200 A) Sec. 15, T30N, R11W</u>
<u>EL PASO NATURAL GAS COMPANY</u>	<u>W$\frac{1}{2}$NW$\frac{1}{4}$, SE$\frac{1}{4}$NW$\frac{1}{4}$ (120 A) Sec. 15, T30N, R11W</u>

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

PURCO PETROLEUM CORP.
 (Operator)

Stephen H. Kinney
 (Representative)

P.O. Box P, Aztec, New Mexico
 Address

This is to certify that the well location shown on the plat in Section B 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.

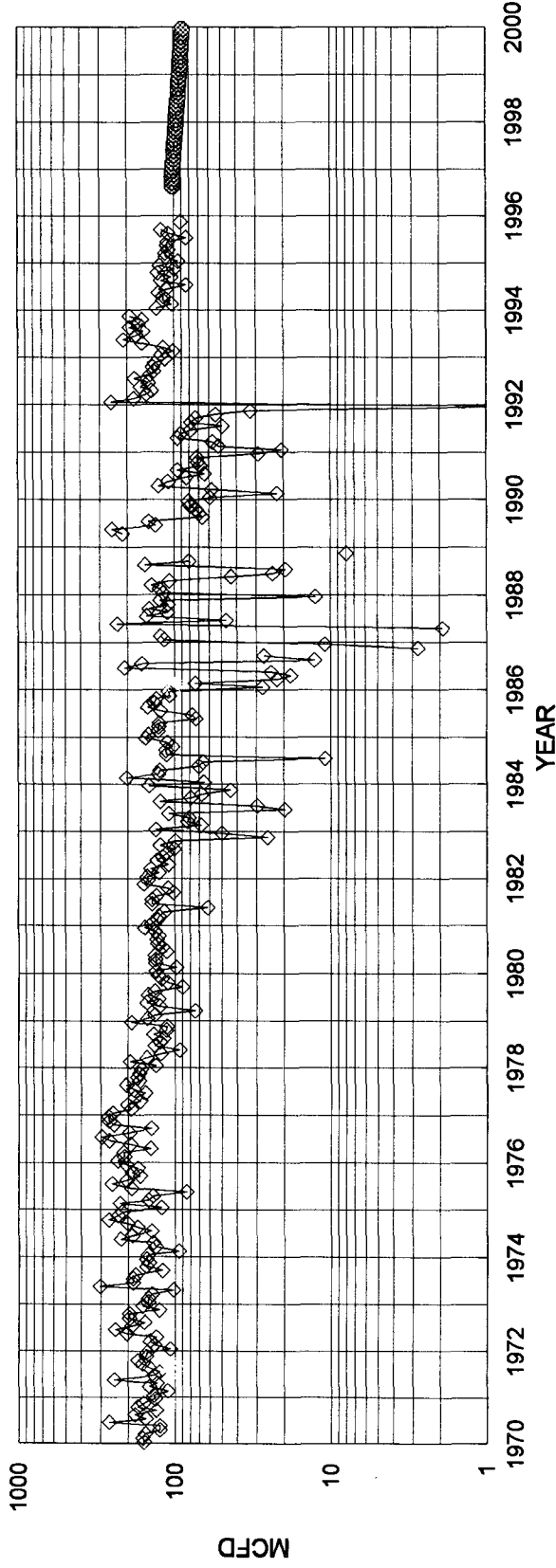
Date Surveyed Nov. 19, 1963

Stephen H. Kinney
 STEPHEN H. KINNEY
 Registered Professional
 Engineer and/or Land Surveyor

Certificate No. 803

(See instructions for completing this form on the reverse side)

**BRUINGTON 15 DAKOTA PRODUCTION
SECTION 15N-30N-11W**



◇ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA:		1ST PROD: 7/64	DAKOTA PROJECTED DATA
OIL CUM:	4.84 MBO		8/1/96 Qi: 102 MCFD
GAS CUM:	1638.0 MMCF		DECLINE RATE: 4.5% (EXPONENTIAL)
OIL YIELD:	0.0030 BBL/MCF		

**1996 AVG IS FOR 2ND HALF OF YEAR

YEAR	AVG. MCFD	MID-YEAR AVG. BOPD
1996*	101	0.3
1997	96	0.3
1998	92	0.3
1999	88	0.3
2000	84	0.2

CONTINUE DECLINE UNTIL ABANDONMENT

PRODUCTION FORECAST FOR SUBTARCTION METHOD COMMINGLE ALLOCATION

BRUINGTON FEDERAL NO. 15N DAKOTA PRODUCTION

Unit N, Sec. 15, T-30N, R-11W

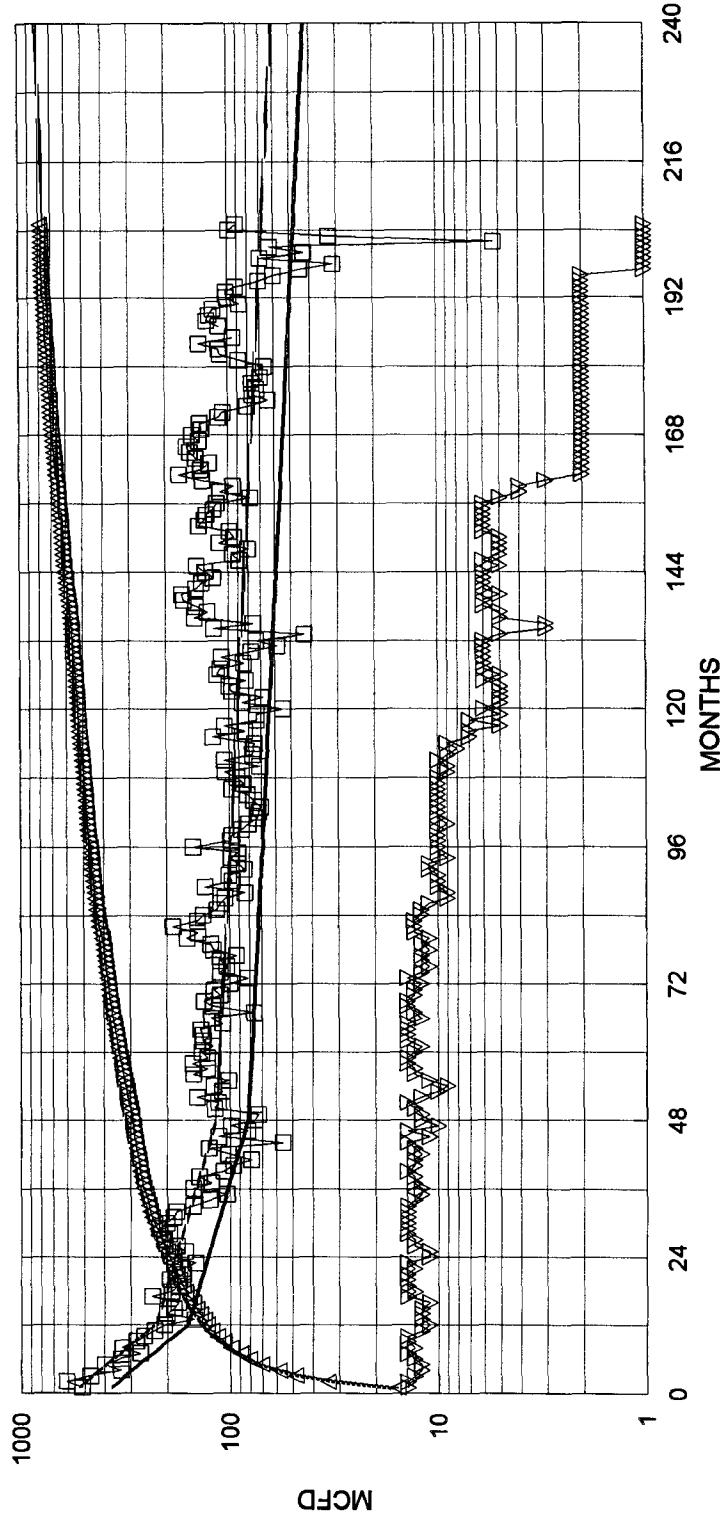
ANNUAL MID-YEAR DAKOTA PRODUCTION RATES TO ABANDONMENT

@ 4.5 % Annual Decline

YEAR	Mid-Year Avg. MCFGPD	Mid-Year Avg. BOPD
1996	101	0.3
1997	96	0.3
1998	92	0.3
1999	88	0.3
2000	84	0.3
2001	80	0.2
2002	77	0.2
2003	73	0.2
2004	70	0.2
2005	67	0.2
2006	64	0.2
2007	61	0.2
2008	58	0.2
2009	56	0.2
2010	53	0.2
2011	51	0.2
2012	48	0.1
2013	46	0.1
2014	44	0.1
2015	42	0.1
2016	40	0.1
2017	38	0.1
2018	37	0.1
2019	35	0.1
2020	33	0.1
2021	32	0.1
2022	31	0.1
2023	29	0.1
2024	28	0.1
2025	27	0.1

NORMALIZED MESAVERDE PRODUCTION

14 WELLS SINCE 1978; OFFSET TO SECTION 15-30-11 (BRUINGTON 15 WELL)



— FIT MCFD □ NORMALIZED MCFD △ NORM CUM MMCF
 ▽ WELLS ON PRODUCTION — FIT CUM MMCF — RISKED MCFD

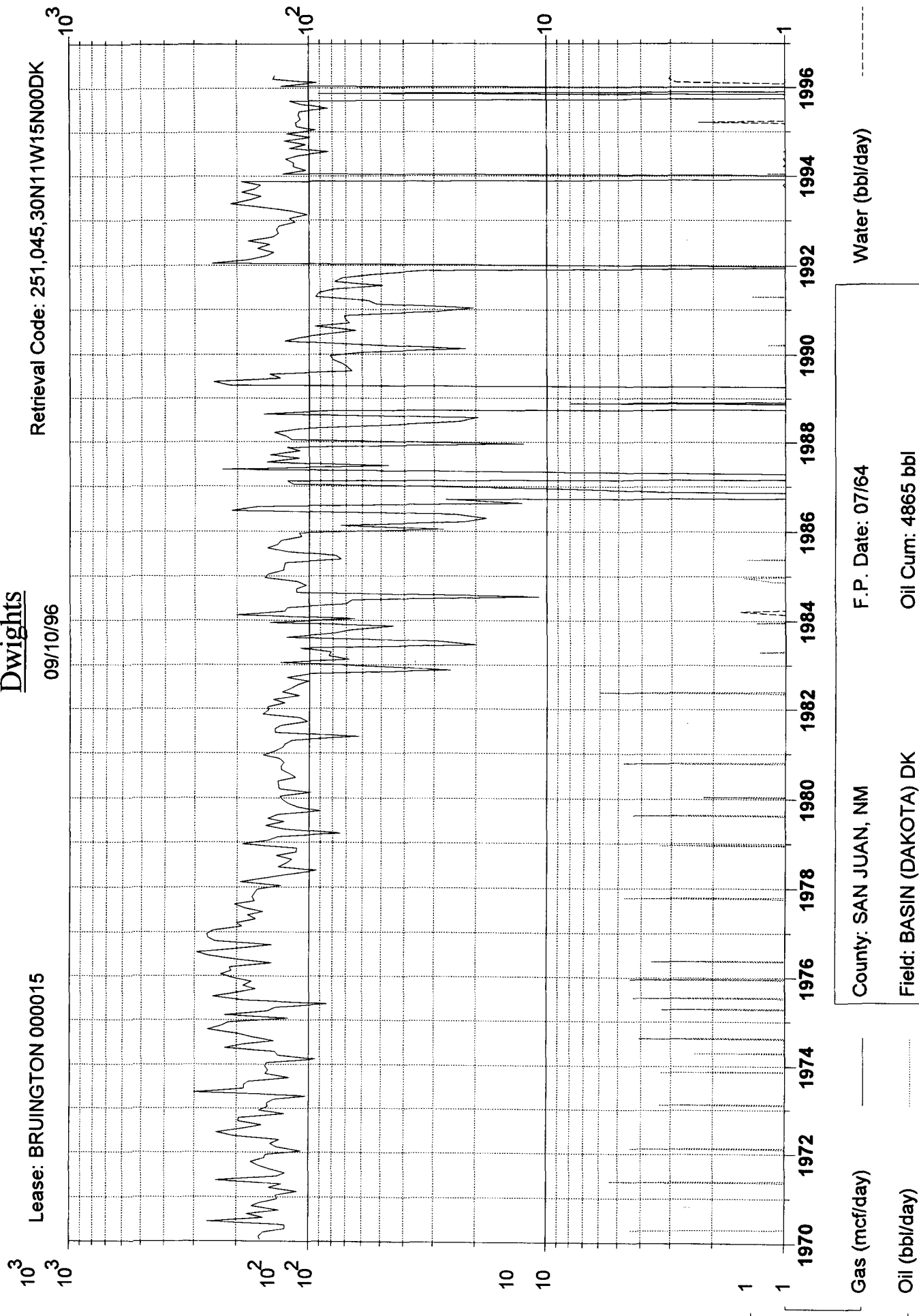
<p>NORMALIZED AVG:</p> <p>1138 MMCF EUR 821 MMCF IN 20 YRS 25 MCFD E.L. 0.0030 bbl/mcf oil yield</p>	<p>570 MCFD IP 60.0% DECLINE, 1ST 12 MONTHS 20.0% DECLINE, NEXT 36 MONTHS 4.0% FINAL DECLINE</p>	<p>RISKED AVG: 30% RISK</p> <p>730 MMCF EUR 399 MCFD IP 574 MMCF IN 20 YR 60.0% DECLINE, 1ST 12 MONTHS 25 MCFD E.L. 20.0% DECLINE, NEXT 36 MONTHS 0.0030 bbl/mcf oil yield 4.0% FINAL DECLINE</p>
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Dwights

Lease: BRUINGTON 000015

Retrieval Code: 251,045,30N11W15N00DK

09/10/96



County: SAN JUAN, NM F.P. Date: 07/64

Field: BASIN (DAKOTA) DK Oil Cum: 4865 bbl

Reservoir: DAKOTA Gas Cum: 1653 mmcf

Operator: CONOCO INC Location: 15N 30N 11W

BRUINGTON 15

OFFSET OPERATORS

9

CONOCO INC
MERIDIAN OIL CO

10

AL GREER
BAYLESS ROBERT L
BETA DEVELOPMENT
MERIDIAN OIL INC

11

AMOCO PRODUCTION
EL PASO EXPL CO
MERIDIAN OIL INC

16

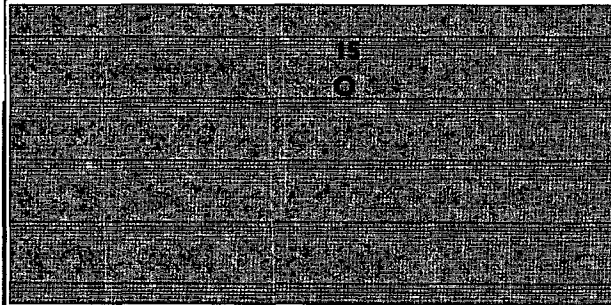
AMOCO PRODUCTION
CONOCO INC
MERIDIAN OIL INC

15

CONOCO INC
MERIDIAN OIL CO

14

AMOCO PRODUCTION
CONOCO INC
MERIDIAN OIL CO
SOUTHLAND ROYALTY



21

AMOCO PRODUCTION
MERIDIAN OIL INC

22

MERIDIAN OIL CO

23

CONOCO INC
EL PASO NATURAL GAS
MERIDIAN OIL INC

Township 30 N—Range 11W