

DATE IN <u>3/2/98</u>	SUSPENSE <u>3/23/98</u>	ENGINEER <u>DC</u>	LOGGED BY <u>KW</u>	TYPE <u>DHC</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1889

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

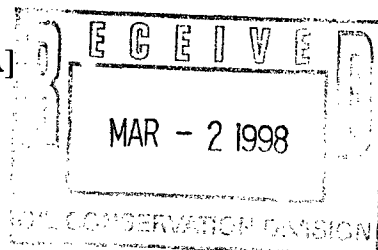
Check One Only for [B] and [C]

[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

Title

Regulatory Agent

Date

2/24/98

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241 1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
811 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

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

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

Lease: Jackson Well No: 3 Unit Ltr Sec 1wp Rge: Section 10, T-28-N, R-9-W, I County: San Juan

OGRID NO. 005073 Property Code: API NO. 30-045-25315 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

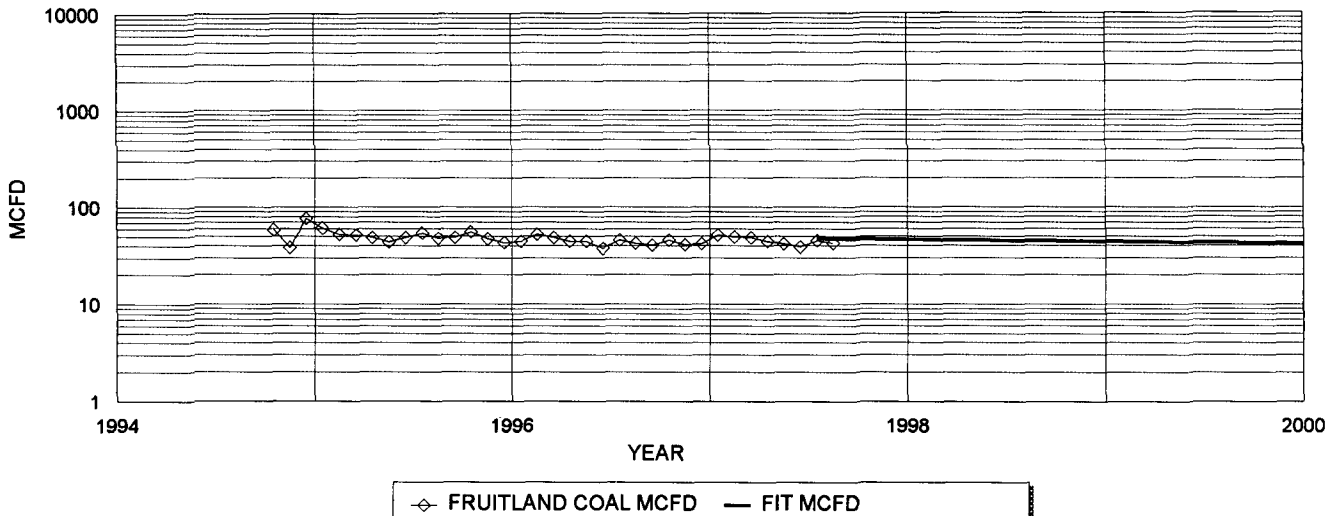
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Basin Fruitland Coal 71629		Blanco Mesaverde 72319
2. TOP and Bottom of Pay Section (Perforations)	2170-2348'		3969-4969'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		To Flow
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 250	a. 	a. 563
	b(Original) 1175	b. 	b. 1175
6. Oil Gravity (°API) or Gas BT Content	1164		1335
7. Producing or Shut-In?	Producing		To Be Completed
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 • If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	EST 1/98 46 MCFD, 0 BOPD, 0 BWPD	Date Rates	Production to be allocated by Subtraction - See Attached table
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. 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: Kay Maddox TITLE: Regulatory Agent DATE: 2/24/98
TYPE OR PRINT NAME: Kay Maddox TELEPHONE NO. (915) 686-5798

JACKSON #3 FRUITLAND COAL PRODUCTION
SECTION 10I-28N-09W



FRUIT.COAL HIST. DATA: 1ST PROD: 03/94

OIL CUM: 0.07 MBO
GAS CUM: 50.4 MMCF
CUM OIL YIELD: 0.0013 BBL/MCF
OIL YIELD: 0.0003 BBL/MCF, LAST 3 YRS
AVG. USED: 0.0008 BBL/MCF

FRUIT. COAL PROJECTED DATA

1/1/98 Q1: 46 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1998	45.0	0.0
1999	42.8	0.0
2000	40.6	0.0
2001	38.6	0.0
2002	36.7	0.0
2003	34.8	0.0
2004	33.1	0.0
2005	31.4	0.0
2006	29.9	0.0
2007	28.4	0.0
2008	27.0	0.0
2009	25.6	0.0
2010	24.3	0.0
2011	23.1	0.0
2012	22.0	0.0
2013	20.9	0.0
2014	19.8	0.0
2015	18.8	0.0
2016	17.9	0.0
2017	17.0	0.0
2018	16.1	0.0
2019	15.3	0.0
2020	14.6	0.0
2021	13.8	0.0
2022	13.1	0.0
2023	12.5	0.0
2024	11.9	0.0
2025	11.3	0.0
2026	10.7	0.0
2027	10.2	0.0
2028	9.7	0.0
2029	9.2	0.0
2030	8.7	0.0
2031	8.3	0.0
2032	7.9	0.0

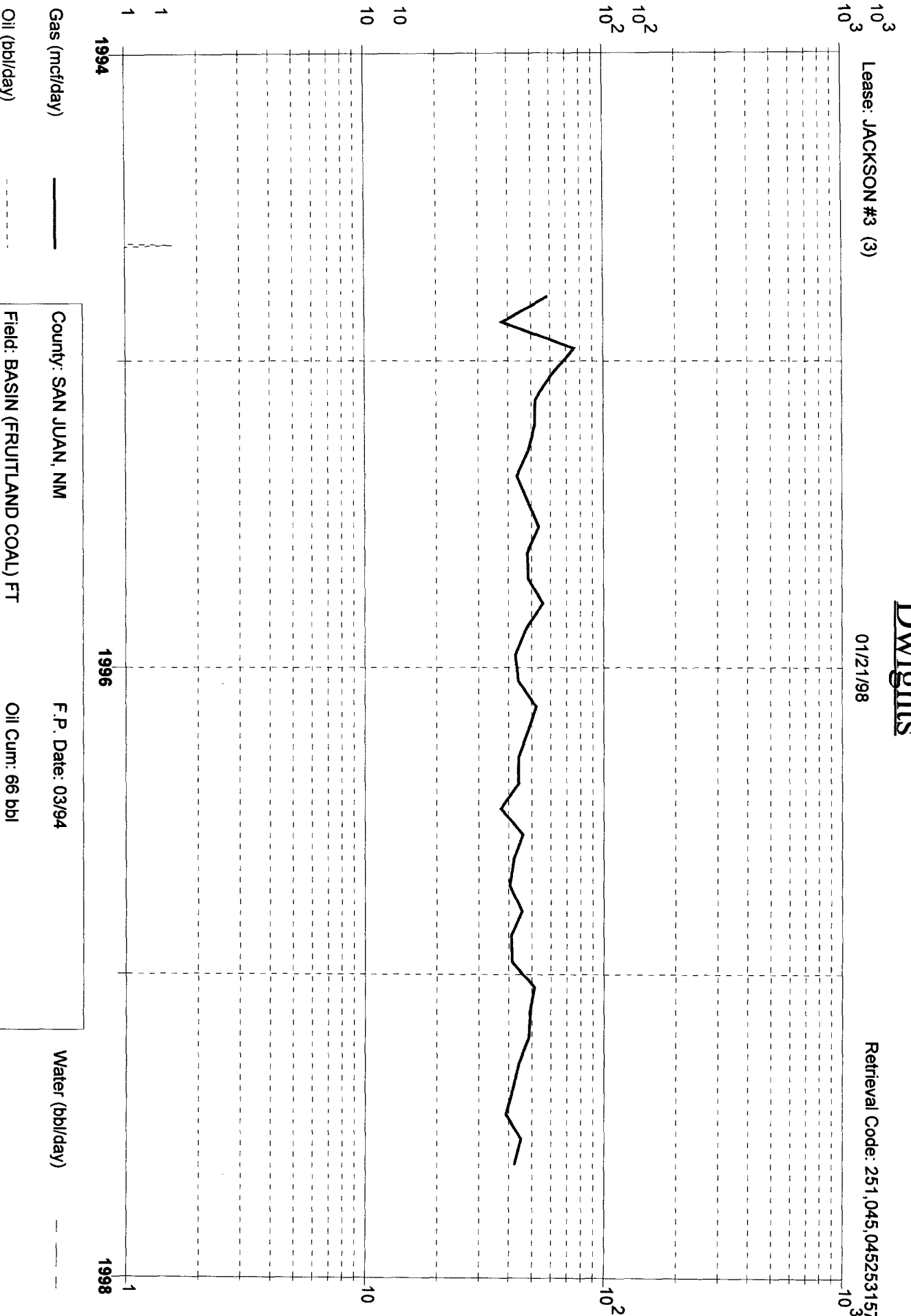
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

Dwights

Lease: JACKSON #3 (3)

01/21/98

Retrieval Code: 251,045,0452531571629



Gas (mcf/day)

Oil (bbl/day)

County: SAN JUAN, NM

Field: BASIN (FRUITLAND COAL) FT

Reservoir: FRUITLAND COAL

Operator: AMOCO PRODUCTION CO

F.P. Date: 03/94

Oil Cum: 66 bbl

Gas Cum: 50.41 mmcf

Location: 10 28N 9W

Water (bbl/day)

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25315	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code	5 Property Name Jackson	6 Well Number 3
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6022'

10 Surface Location

UL or Id no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	28N	9W		1430	South	1140	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 270.36	13 Joint or Infil	14 Consolidation Code		15 Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
"AU" Section 10 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SECTION 10

1140'

1430'

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

2/24/98

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

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator <i>Ameco Production Company</i>			Lease <i>JACKSON</i>		Well No. <i>3</i>
Unit Letter <i>I</i>	Section <i>10</i>	Township <i>28 N</i>	Range <i>9W</i>	County <i>SAN JUAN</i>	
Actual Footage Location of Well: <i>1430'</i> feet from the <i>South</i> line and <i>1140'</i> feet from the <i>FEL</i> line					
Ground level Elev. <i>6910 KB</i>	Producing Formation <i>Eruitland Coal</i>		Pool <i>Basin Fruitland Coal</i>	Dedicated Acreage: <i>5/2</i> <i>270.36</i> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. <i>"ALL" Sec. 10</i></p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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 interest, has been approved by the Division.</p>					
				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature <i>Ed Hadlock</i> Printed Name <i>Ed Hadlock</i> Position <i>Admin. Analyst</i> Company <i>Ameco Production Co.</i> Date <i>11/2/92</i>	
				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 knowledge and belief.	
				Date Surveyed Signature & Seal of Professional Surveyor <i>"ON File"</i> Certificate No. 	

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Conoco, Inc.
10 Desta Dr Ste 100W
Midland, TX 79705

Re: Application to Downhole Commingle C-107A
Jackson #3 Section 10, T-28-N, R-9-W, M
San Juan County, New Mexico

Notification Of Offset Operators:

Amoco
PO Box 800
Denver, CO 80201

Burlington Resources
PO Box 4289
Farmington, NM 87499

West Largo Corp.
6638 W. Ottawa Ave STE 100
Littleton, Co 80123

S&G Interests
811 Dallas STE 1505
Houston, TX 77002