

DATE IN <u>6.24.11</u>	SUSPENSE <u>11/15</u>	ENGINEER <u>WVJ</u>	LOGGED IN <u>6.24.11</u>	TYPE <u>DHC</u>	APP NO <u>1117550390</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



PTG-W
XTO Energy
VED OCD (6380)

Freech "F" #4M

ADMINISTRATIVE APPLICATION CHECKLIST

30-039-22605

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] **[NSP-Non-Standard Proration Unit]** **[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 - Simultaneous Dedication
☐ NSL ☐ NSP ☐ 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
- [D] Other: Specify _____

- [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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

 WANETT MCCAULEY
 Print or Type Name

Wanett McCauley
 Signature

 REGULATORY COMPLIANCE TECHNICIAN
 Title

 6/23/2011
 Date

 wanett mccauley@xtoenergy.com
 e-mail Address

DISTRICT I
1625 N French Dr., Hobbs, NM 88240
DISTRICT II
1301 W Grand Avenue, Arteson, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division

1220 South St Francis Dr
Santa Fe, New Mexico 87505

APPLICATION FOR DOWNHOLE COMMINGLING

Amended
Form C-107A
Revised June 10, 2003

APPLICATION TYPE

Single Well

Establish Pre-Approved Pools

EXISTING WELLBORE

XTO Energy Inc.
Operator

382 CR 3100, Aztec, NM 87410
Address

BRECH F
Lease

#4M
Well No

I SEC 33 T-27N
Unit Letter-Section-Township-Range

R06W

RIO ARRIABA
County

OGRID No 5380

Property Code 304754

API No 30-039-22605

Lease Type X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	BLANCO MESAVERDE	BASIN MANCOS	BASIN DAKOTA
Pool Code	72319	97232	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4748' - 5452'	6574' - 6776'	7244' - 7460'
Method of Production (Flowing or Artificial Life)	FLOWING	FLOWING	FLOWING
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	688	8000	1461
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1.225		1.225
Producing, Shut-In or New Zone	PRODUCING	NEW ZONE	PRODUCING
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicants shall be required to attach production estimates and supporting data.)	Date 5/01/2011 Rates 8.5 BO/1040 MCF/20 BW	Date Rates	Date 5/01/2011 Rates 8.2 BO/2674 MCF/20 BW
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 11 % Gas 16 %	Oil 78 % Gas 43 %	Oil 11 % Gas 41 %

Are all working, overriding, and royalty interests identical in all commingled zones?
If not, have all working, overriding, and royalty interests been notified by certified mail?

Yes No X
Yes X No

Are all produced fluids from all commingled zones compatible with each other?

Yes X No

Will commingling decrease the value of production?

Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes X No

NMOC Reference Case No applicable to this well DHC-659

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

If application is to establish Pre-Approved Pools, the following additional information will be required

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application
- Bottomhole pressure data
- I hereby certify that the information above is true and complete to the best of my knowledge and belief

SIGNATURE Wanett McCauley TITLE REG COMPLIANCE TECHNICIAN DATE 6/23/2011

TYPE OR PRINT NAME WANETT MCCAULEY

TELEPHONE NO (505) 333-3630

E-MAIL wanett-mccauley@xtoenergy.com

Breach F 4M - Allocations

Wells Producing from the Mancos that were drilled after 2000, located in the 9 Sections surrounding the Breach F 4M

Wells Producing from the Mancos that were drilled after 2000, located in the 9 Sections surrounding the Breech F 4M											CUMUL	CUMUL	CUMUL	AVERAGE	AVERAGE	AVERAGE
LEASE	NO.	RESERVOIR	Section	Township	Range	FIELD	OPERATOR	1st PROD	LAST PROD	DAYS ON	OIL (BBL)	GAS (MCF)	WATER (BBL)	OIL (BBL/D)	GAS (MCF/D)	WATER (BBL/D)
BREECH E	50E	MANCOS	5	26 N	6 W	BLANCO	XTO ENERGY	20040131	20101101	2291	5090	258378	123	2.22	112.78	0.05
BREECH E	58M	MANCOS	3	26 N	6 W	BLANCO	XTO ENERGY	20030731	20101101	2622	5071	295043	86	1.93	112.53	0.03
BREECH E	65	MANCOS	5	26 N	6 W	BASIN	XTO ENERGY	20071031	20101101	1149	672	71215	74	0.58	61.98	0.06
BREECH E	850	MANCOS	5	26 N	6 W	BLANCO	XTO ENERGY	20051031	20101101	1731	682	94903	500	0.39	54.83	0.29
BREECH F	16	MANCOS	33	27 N	6 W	BASIN	XTO ENERGY	20090930	20101101	449	3083	71917	625	6.87	160.17	1.39
BREECH F	8M	MANCOS	34	27 N	6 W	BLANCO	XTO ENERGY	20021231	20101101	2779	2456	218703	117	0.88	78.70	0.04
													Average	2.15	96.83	0.31

Breach F 4M Current Production

Breach F 4M Current Production								12 MONTH AVERAGE OF LATEST PRODUCTION		
LEASE NAME		RESERVOIR	SECTION	TOWNSHIP	RANGE	FIELD	OPERATOR	OIL (BBL/D)	GAS (MCF/D)	WATER (BBL/D)
BREECH F	4M	DAKOTA	33	27 N	6 W	BASIN	XTO ENERGY	0.29	93.06	0.39
BREECH F	4M	MESAVERDE	33	27 N	6 W	BLANCO	XTO ENERGY	0.31	36.19	0.39

Allocations

	Oil	Gas	Water
Mancos	78%	43%	29%
Dakota	11%	41%	36%
Mesaverde	11%	16%	35%

Last 12 Months Production For the Bolack C 13B

Dakota Production

	Oil Prod (BBL)	Gas Prod (MCF)	Water Prod (BBL)	Days On	Oil (BBL/D)	Gas (MCF/D)	Water (BBL/D)
12/31/2009	10	3171	20	31	0.32	102.29	0.65
1/31/2010	14	3117	0	24	0.58	129.88	0.00
2/28/2010	10	2603	20	28	0.36	92.96	0.71
3/31/2010	10	2636	20	31	0.32	85.03	0.65
4/30/2010	6	2422	0	30	0.20	80.73	0.00
5/31/2010	12	2937	0	31	0.39	94.74	0.00
6/30/2010	5	2680	0	30	0.17	89.33	0.00
7/31/2010	5	2789	20	31	0.16	89.97	0.65
8/31/2010	8	2682	0	31	0.26	86.52	0.00
9/30/2010	8	2746	45	30	0.27	91.53	1.50
10/31/2010	8	2690	0	31	0.26	86.77	0.00
11/30/2010	7	2610	15	30	0.23	87.00	0.50
AVERAGE					0.29	93.06	0.39

Mesaverde Production

	Oil Prod (BBL)	Gas Prod (MCF)	Water Prod (BBL)	Days On	Oil (BBL/D)	Gas (MCF/D)	Water (BBL/D)
12/31/2009	10	1233	20	31	0.32	39.77	0.65
1/31/2010	14	1212	0	24	0.58	50.50	0.00
2/28/2010	10	1012	20	28	0.36	36.14	0.71
3/31/2010	11	1025	20	31	0.35	33.06	0.65
4/30/2010	6	942	0	30	0.20	31.40	0.00
5/31/2010	13	1142	0	31	0.42	36.84	0.00
6/30/2010	5	1042	0	30	0.17	34.73	0.00
7/31/2010	6	1085	20	31	0.19	35.00	0.65
8/31/2010	9	1043	0	31	0.29	33.65	0.00
9/30/2010	9	1068	45	30	0.30	35.60	1.50
10/31/2010	9	1046	0	31	0.29	33.74	0.00
11/30/2010	8	1015	15	30	0.27	33.83	0.50
AVERAGE					0.31	36.19	0.39



382 CR 3100
Aztec, NM 87410

June 23, 2011

Interest Owners

Subject: Notice of Intent to Apply for Downhole Commingling
Breech F #4M
Unit I, Sec 33-T27N-R06W

XTO Energy Inc. is submitting an application to the New Mexico Oil Conservation Division (NMOCD) to downhole commingle production from the Basin Mancos, Basin Dakota and the Blanco Mesaverde pools in the Breech F #4M. Commingling of these pools will minimize operating costs, add reserves and improve economics of the well.

The proposed allocation percentages for each pool are as follows:

Basin Mancos:	Oil: 78%	Gas: 43%	Water: 29%
Basin Dakota:	Oil: 11%	Gas: 41%	Water: 36%
Blanco Mesaverde:	Oil: 11%	Gas: 16%	Water: 35%

NMOCD requires all interest owners be notified of intent to downhole commingle if ownership is different between zones. If you have questions specifically pertaining to this letter, I may be contacted at (505) 333-3630. If you have any objections to our application, please contact me within twenty (20) days of the date of this letter. For any other inquiries, please call the toll free automated number (866-886-2613) with your owner number in hand or you may contact Deanna Garcia with XTO Energy's Land Department at (817) 885-3521.

Sincerely,


Wanett McCauley
Regulatory Compliance Technician

xc: well file

BETSY BRYANT
2201 BROOKHOLLOW
ABILENE, TX 796055507
BREECH F #4M DHC REG DEPT wm

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ABILENE, TX 796055507
BREECH F #4M DHC REG DEPT wm

BP AMERICA PRODUCTION
COMPANY ATTN OUTSIDE OPERATE
PO BOX 848103
DALLAS, TX 752840000
BREECH F #4M DHC REG DEPT wm

BP AMERICA PRODUCTION COMPANY
P O BOX 277897
ATLANTA, GA 303847897
BREECH F #4M DHC REG DEPT wm

BP AMERICA PRODUCTION
COMPANY ATTN OUTSIDE OPERATE
PO BOX 848103
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BREECH F #4M DHC REG DEPT wm

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DOROTHY BARTLETT C/O MS KAY
WARD
PALOUSE ENT
825 SE BISHOP BLVD SUITE 601
PULLMAN, WA 991630000
BREECH F #4M DHC REG DEPT wm

DOROTHY BARTLETT C/O MS KAY
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825 SE BISHOP BLVD SUITE 601
PULLMAN, WA 991630000
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PALOUSE ENT
825 SE BISHOP BLVD SUITE 601
PULLMAN, WA 991630000
BREECH F #4M DHC REG DEPT wm

ENERGEN RESOURCES
CORPORATION
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BIRMINGHAM, AL 352032707
BREECH F #4M DHC REG DEPT wm

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EPIC ROYALTIES LLC
2960 INCA ST #207
DENVER, CO 802020000
BREECH F #4M DHC REG DEPT wm

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DENVER, CO 802020000
BREECH F #4M DHC REG DEPT wm

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2960 INCA ST #207
DENVER, CO 802020000
BREECH F #4M DHC REG DEPT wm

GAIL SMITH KEYS
1803 CRESTVIEW DR
CARROLLTON, TX 750061609
BREECH F #4M DHC REG DEPT wm

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CARROLLTON, TX 750061609
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CARROLLTON, TX 750061609
BREECH F #4M DHC REG DEPT wm

GEORGE W UMBACH C/O BANK OF
OKLAHOMA AGENT ATTN J
PO BOX 1588
TULSA, OK 741010000
BREECH F #4M DHC REG DEPT wm

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TULSA, OK 741010000
BREECH F #4M DHC REG DEPT wm

GREG & NANCY VANCE FAM L PTRSP
C/O PRODUCTION GATH
8080 N CENTRAL EXPY STE 1090
DALLAS, TX 752060000
BREECH F #4M DHC REG DEPT wm

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C/O PRODUCTION GATH
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C/O PRODUCTION GATH
8080 N CENTRAL EXPY STE 1090
DALLAS, TX 752060000
BREECH F #4M DHC REG DEPT wm

GW HOLDINGS INC.
P O BOX 121938
FORT WORTH, TX 761211938
BREECH F #4M DHC REG DEPT wm

GW HOLDINGS INC.
P O BOX 121938
FORT WORTH, TX 761211938
BREECH F #4M DHC REG DEPT wm

GW HOLDINGS INC.
P O BOX 121938
FORT WORTH, TX 761211938
BREECH F #4M DHC REG DEPT wm

HARRIET M. BUCHENAU LIVING
TRUST DTD 8/30/94 HARRI
PO BOX 867585
PLANO, TX 750867585
BREECH F #4M DHC REG DEPT wm

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TRUST DTD 8/30/94 HARRI
PO BOX 867585
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JOSEPH W BARTLETT JR
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LAS VEGAS, NV 891461452
BREECH F #4M DHC REG DEPT wm

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LAS COLINAS MINERALS LP
125 E JOHN CARPENTER FRWY
SUITE 600
IRVING, TX 750620000
BREECH F #4M DHC REG DEPT wm

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125 E JOHN CARPENTER FRWY
SUITE 600
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LORRAINE N HIGBIE
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MACLONDON ENERGY, LP
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ODESSA, TX 797680000
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MARGIE S. ELKINS
11008 ALEXANDRIA DR
FRISCO, TX 750358385
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MHT PROPERTIES LTD
3840 WINDSOR LANE
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MITZI EASLEY
1203 ARRONIMIK CIR
AUSTIN, TX 787466301
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MMS XTO FEDERAL
C/O XTO ENERGY INC
810 HOUSTON STREET
FORT WORTH, TX 761026298
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ODYSSEY ROYALTIES LLC
8261 S MONACO COURT
ENGLEWOOD, CO 801120000
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PATRICK ROBINSON
7036 S SHAWNEE ST
AURORA, CO 800160000
BREECH F #4M DHC REG DEPT wm

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AURORA, CO 800160000
BREECH F #4M DHC REG DEPT wm

PHILIP T BEE CHARITABLE TRUST
JILL C BEE & ROSE B
5600 W LOVERS LN STE 116
PMB 136
DALLAS, TX 752090000
BREECH F #4M DHC REG DEPT wm

PHILIP T BEE CHARITABLE TRUST
JILL C BEE & ROSE B
5600 W LOVERS LN STE 116
PMB 136
DALLAS, TX 752090000
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JILL C BEE & ROSE B
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PICKLE.INC. C/O MICHAEL D. MACKEL
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ROBT UMBACH CANCER
FOUNDATION WELLS FARGO BANK
NA
ATTN OPERATIONS
PO BOX 5383
DENVER, CO 802170000
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ROBT UMBACH CANCER
FOUNDATION WELLS FARGO BANK
NA
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SARAH S MIMS TRUST WILLIAM L
MADSEN AND SARAH S MI
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SARAH S MIMS TRUST WILLIAM L
MADSEN AND SARAH S MI
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BREECH F #4M DHC REG DEPT wm

SUSAN RITTER
4700 VIA MEDIA
AUSTIN, TX 787460000
BREECH F #4M DHC REG DEPT wm

SUSAN RITTER
4700 VIA MEDIA
AUSTIN, TX 787460000
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4700 VIA MEDIA
AUSTIN, TX 787460000
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TED WEINER OIL PROPERTIES TRST
GWENDOLYN WEINER, T
PO BOX 121938
FORT WORTH, TX 761210000
BREECH F #4M DHC REG DEPT wm

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GWENDOLYN WEINER, T
PO BOX 121938
FORT WORTH, TX 761210000
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TED WEINER OIL PROPERTIES TRST
GWENDOLYN WEINER, T
PO BOX 121938
FORT WORTH, TX 761210000
BREECH F #4M DHC REG DEPT wm

TEXAS CRUDE ENERGY INC.

P O BOX 122389

FORT WORTH, TX 761212389

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TEXAS CRUDE OIL- JOINT VENTURE

P O BOX 122389

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BREECH F #4M DHC REG DEPT wm

ZAP MINERALS LP

PO BOX 570174

HOUSTON, TX 772570000

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HOUSTON, TX 772570000

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Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, June 29, 2011 4:11 PM
To: 'Wanett_McCauley@xtoenergy.com'
Cc: Ezeanyim, Richard, EMNRD; Premo, Elizabeth, EMNRD
Subject: Downhole Commingle Application from XTO Energy: Breech F #4M 30-039-22605

Tracking:	Recipient	Read
	'Wanett_McCauley@xtoenergy.com'	
	Ezeanyim, Richard, EMNRD	Read: 6/29/2011 4:12 PM
	Premo, Elizabeth, EMNRD	

Hello Wanett:

Please ask your engineers about the current static reservoir pressure in each of these three formations to be commingled in this well and let me know what the three pressure numbers are.

The depths fall outside the 150% range so this data is required by the form C-107A before I can release any DHC permit – even though the Mvrd/Dkta were already commingled in this well.

I will hold this application pending this information,

Thank You,

William V Jones, P.E.
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3448 ~ Fax 505.476.3462



Breech F 4M - Downhole Commingle

	Mesaverde	Mancos	Dakota
Gas Specific Gravity	0.694	0.681	0.698
Depth to Mid Perf (ft)	5380	6817	7286
Shut in Casing Pressure (psia)	600	840	1200
Surface Temperature (deg F)	60	60	60
Bottom Hole Temperature (deg F)	138	149	160
Static BHP (psia)	688	1000	1461
Fracture Parting Pressure (psia)	3497	4431	4736

In the Breech F 4M, no pressures from any of the commingled zones will exceed the fracture parting pressures of the other zones