

DATE IN 4.18.12	SUSPENSE	ENGINEER WUT	LOGGED IN 4.18.12	TYPE DHC	APP NO. 121025 2762
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NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



XTO 5380

RECEIVED OOD #58
BRECHER
APR 30 4 01 PM '12

ADMINISTRATIVE APPLICATION CHECKLIST

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 _____

A-3-26N-6W

- [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.

KRISTEN D. LYNCH
Print or Type Name

Signature

REGULATORY ANALYST
Title

4/17/12
Date

kristen_lynch@xtoenergy.com
e-mail Address

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, May 09, 2012 10:31 AM
To: 'kristen_lynch@xtoenergy.com'; 'Lorri_Bingham@xtoenergy.com'
Cc: Brooks, David K., EMNRD
Subject: Downhole Commingle Applications from XTO in Farmington

Hello Kristen and Lorri:

I am processing 5 of your applications and noticed a couple of things.

- a. There are 3 of these applications that involve different sizes of spacing units, yet interests are shown as "Identical". While it is true these could be identical, it seems odd and wanted to ask if you have checked with your Land department to confirm?
- b. With future applications, please send a copy of the C-102 form for each Well-Completion being commingled. In other words if you are commingling the Otero-Chacra with the Basin-Dakota that well should have a C-102 for each of these pools.
- c. The following three applications have perforation ranges outside the 150% allowed – and reservoir pressures should have been sent with the applications for each Pool in that well.
 - a. 30-039-06737
 - b. 30-045-31913
 - c. 30-045-30819

Please ask your engineer to estimate the Static Reservoir Pressure for each pool being commingled in those three wells and send me the pressures by email. I will then update the C-107A forms and process the permits.

Take Care and have a wonderful day,

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 E 58 - Downhole Commingle (BHP and Fracture Parting Pressure Calculation)

	Mesaverde	Mancos	Dakota
Gas Specific Gravity	0.694	0.681	0.698
Depth to Mid Perf (ft)	5295	6600	7340
Shut in Casing Pressure (psia)	591	813	1209
Surface Temperature (deg F)	60	60	60
Bottom Hole Temperature (deg F)	136	139	150
Static BHP (psia)	676	964	1479
Fracture Parting Pressure (psia)	3442	4290	4771

Breech E 58 - Allocations

Wells Only Producing from the Mancos Reservoir within the 9 Section surrounding the Breech E 58 drilled after 2005

LEASE	NO.	RESERVOIR	Section	Township	Range	FIELD	OPERATOR	1st PROD	LAST PROD	DAYS ON	CUMUL	CUMUL	CUMUL	AVERAGE	AVERAGE	AVERAGE
											OIL (BBL)	GAS (MCF)	WATER (BBL)	OIL (BBL/D)	GAS (MCF/D)	WATER (BBL/D)
BREECH D	685E (NPI)	MANCOS	11	26 N	6 W	BASIN	XTO ENERGY	20060131	20111201	2198	4175.00	327171.00	248.00	1.90	148.85	0.11
STATE COM	113E (NPI)	MANCOS	2	26 N	6 W	BASIN	XTO ENERGY	20060430	20111201	1969	271.00	93422.00	807.00	0.14	47.45	0.31
BREECH F	16 (NPI)	MANCOS	33	27 N	6 W	BASIN	XTO ENERGY	20090830	20111201	676	4723.00	144943.00	1036.00	5.39	165.46	1.18
BREECH F	2 (NPI)	MANCOS	33	27 N	6 W	BASIN	XTO ENERGY	20100830	20111201	518	361.00	46094.00	195.00	0.70	88.98	0.38
BREECH A	158 (NPI)	MANCOS	10	26 N	6 W	BASIN	XTO ENERGY	20110430	20111201	284	424.00	33571.00	1314.00	1.49	118.21	4.63
BREECH F	4M (NPI)	MANCOS	33	27 N	6 W	BASIN	XTO ENERGY	20110930	20111201	153	116.00	9117.00	91.00	0.76	59.59	0.59
Average											1173	10476	120			

Breech E 58 Current Production

LEASE	NO.	RESERVOIR	Section	Township	Range	FIELD	OPERATOR	12 MONTH AVERAGE OF LATEST PROD		
								OIL (BBL/D)	GAS (MCF/D)	WATER (BBL/D)
BREECH E	58	DAKOTA	3	26 N	6 W	BASIN	XTO ENERGY	0.00	43.57	0.00
BREECH E	58	MESAVERDE	3	26 N	6 W	BLANCO	XTO ENERGY	0.00	25.58	0.00

Allocations

	Oil	Gas	Water
Mancos	100%	60%	100%
Dakota	0%	25%	0%
Mesaverde	0%	15%	0%
Total	100%	100%	100%