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2/24/03	SUSPENSENA	ENGINEER WVJ		V TYPE DHC	OKR10305629995
				2717	
		ABOVE	THIS LINE FOR DIVISION	USE ONLY	•

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -1220 South St. Francis Drive, Santa Fe, NM 87505



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:

	[DHC-Down [PC-Poo [dard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] fied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF API [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Check [B]	One Only for [B] or [C] 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]	NOTIFICATI [A]	ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply 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
[2]	SUDMIT ACC	TIDATE AND COMDITIES INFORMATION DECLIDED TO DECESS THE

[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.

Darrin Steed (Print or Type Name	Warin Hed Signature	Re
--------------------------------------	------------------------	----

__Regulatory Supervisor__ Title

2/20/03 Date

____Darrin_Steed@XTOEnergy.com_____ e-mail Address



February 17, 2003

Mr. William Jones New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Request for Exception to Rule 303-C - Downhole Commingling

Jicarilla Apache #11 Unit Letter "M", Section 28, Township 26-N, Range 5-W South Blanco Pictured Cliffs (72439), Otero Chacra (82329) & Blanco Mesaverde (72319) Rio Arriba County, New Mexico

Dear Mr. Jones:

XTO Energy Inc. requests administrative approval for an exception to Rule 303-C to permit the downhole commingling of production in the aforementioned well from the South Blanco Pictured Cliffs, Otero Chacra & Blanco Mesaverde pools in Rio Arriba County, New Mexico.

All three pools represent marginal production. The well was drilled and completed as a dual producer in the Basin Dakota and South Blanco Pictured Cliffs pools in early 1967. In August 2000, a 4-1/2" casing string was ran inside the 7-5/8" casing to isolate the Pictured Cliffs perforations. The Mesaverde and Chacra were then perforated, stimulated and tested. In September 2000, the Dakota perforations were abandoned after an unsuccessful attempt to retrieve the packer. As per MC-1759 this well is now producing from the Pictured Cliffs up the casing – casing annulus and the Chacra, Mesaverde (DHC #2717) up the tubing.

The ownership (WI, NRI and ORRI) of these pools are identical in this wellbore. Downhole commingling in this manner will offer an economic method of production while protecting against reservoir damage, waste of reserves and violation of correlative rights.

The allocation method was determined by analyzing the previous six months production data. Estimated bottomhole pressures were calculated from stabilized shut-in pressures and gradients from offset completions.

Enclosed is pertinent data to support this application as outlined in Rule 303-C. If additional information is required, please contact me at (505)324-1090.

Sincerely,

Trenis Sondresen Operations Engineer

Enclosure

cc: GLM Wellfile District I 1625 N. French Drive, Hobbs, NM 88240

District II 1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505 APPLICATION TYPE X Single Well __Establish Pre-Approved Pools EXISTING WELLBORE X Yes ___No

APPLICATION FOR DOWNHOLE COMMINGLING

XTO Energy Inc.	2700 Farmington Ave., Bldg K, Ste 1, Farmington, NM 87401 Address								
Operator			Add	ress					
Jicarilla Apache Lease OGRID No. <u>167067</u> Property C	11 M 28 T-26-N R-5-W Well No. Unit Letter-Section-Township-Range ode API No. 30-039-08149 Lease Type: X Federal						Rio Arriba County ralStateFee		
DATA ELEMENT	UPPER ZONE			INTERMEDIATE ZONE			LOWER ZONE		
Pool Name	South	Blanco Picture	d Cliffs 🗸		Otero Chacr	a 🗸	В	lanco Mesaverde	. 🗸
Pool Code		72439			82329			72319	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)		2,848' – 2,882 (Perforated)	•		3,714' – 3,73 (Perforated)			4,808' - 5,126' (Perforated)	
Method of Production (Flowing or Artificial Lift)	Flowing			Plunger Lift			Plunger Lift		
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)	129 psi (est)				386 psi (est)	426 psi (est)		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1275 BTU				1295 BTU	in the Alfrid Alfrid Alfrid and a share and a state of the Alfrid Alfrid and a state of the Alfrid Alfrid Alfrid	1295 BTU		
Producing, Shut-In or New Zone	Producing				Producing		Producing		
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history,	Date: 07/2002 - 12/2002			Date: (07/2002 – 12/	/2002	Date: 07/2002 – 12/2002		
applicant shall be required to attach production estimates and supporting data.)	Rates: 8	804 MCFPM 0 BOPM 0 BWPM	BOPM 0 BOPM				Rates: 2	091 MCFPM 33 BOPM 18 BWPM	
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or	Oil	Wtr	Gas	Oil	Wtr	Gas	Oil	Wtr	Gas
explanation will be required.)	0 %	0 %	14 %	0 %	56 %	48 %	100 %	44 %	38 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes Yes	X	No 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
NMOCD Reference Case No. applicable to this well:			

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 working, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

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.

	1 ····· · · · · · · · · · · · · · · · ·
SIGNATURE Danie Stor	TITLE Regulatory Supervisor DATE 2/20/03
	J J (
TYPE OR PRINT NAME Darrin Steel	TELEPHONE NO. (505) 324 - 1090

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NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

5

				Lease			Well Nc.	
MARATHON C	L COMPANY			JICARILLA	APACHE		11	
nit Letter	Se un	Township		Range	County			
M	28	26 N	orth	5 West	RI	o Arriba		
ctual Footage Locat	tion of Well:						***************************************	
1040	feet from the	South	line and	800	feet from the	West	line	
round Levei Elev.	Producing		· · · · · · · · · · · · · · · · · · ·	Pocl			Dedicated Avereage:	·
6465	FICT	<u>ured Clifi</u>	<u>-5</u>	SOUTH BLA	nco Picturi	ED CLIFFS	160	Acres
1. Outline the c	ncerage dedicat	ed to the subj	ect well by c	olored pencil or	hachure marks	on the plat t	pelow.	
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interest and roy	n one lease is i	cealcatea to	me well, ou	tline each and i	dentity the cw	mership the	reof iboth as to w	orking

3. If more than one lease of different connership is dedicated to the well, have the interests of all connership consolidated by communitization, unitization, force-pooling, etc? ٩,

) Yes (X) No If answer is "yes," type of consolidation

Sed

28

100 If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary) MARATHON OIL COMPANY- TRACT 251 1 012 00.4

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forcedcooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the commission:

N

CERTIFICATION

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

Name AREA ENGINEER Position MARATHON OIL CO. Company APR, 4, 196 Date

) hereby certify that the coll location shown on this plat was platted from field notes of actual surveys made by mertakunder ray supervision, and that the same is true, and correct to the best of my knowledge and belief.

December 15, 1966

Registered Professional Engineer and/or Land Surveyor

Certificate No. 3602

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'O Box 1980, Hobbs, NM 88241-1980		
)istrict II	OIL CONSERVATION DIVISION	Subr

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

1040 South Pacheco, Santa Fe, NM 87505

1000 Rio Brazos Rd., Aztec, NM 87410

11 S. 1st Street, Artesia, NM 88210-2834

)istrict III

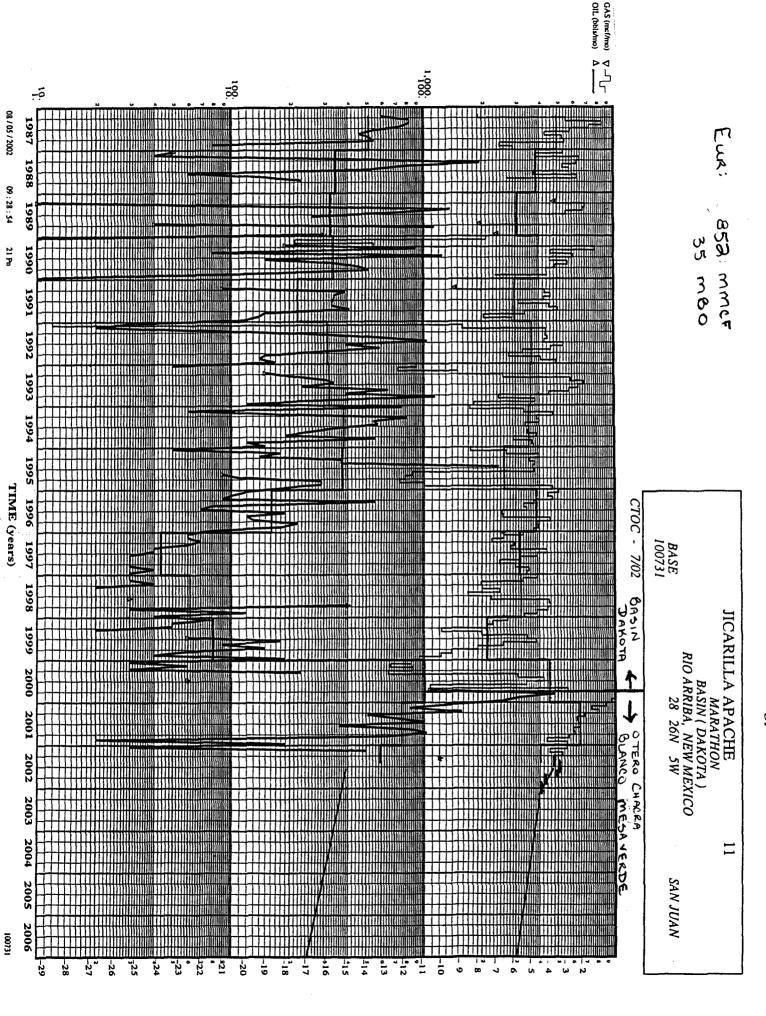
District IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

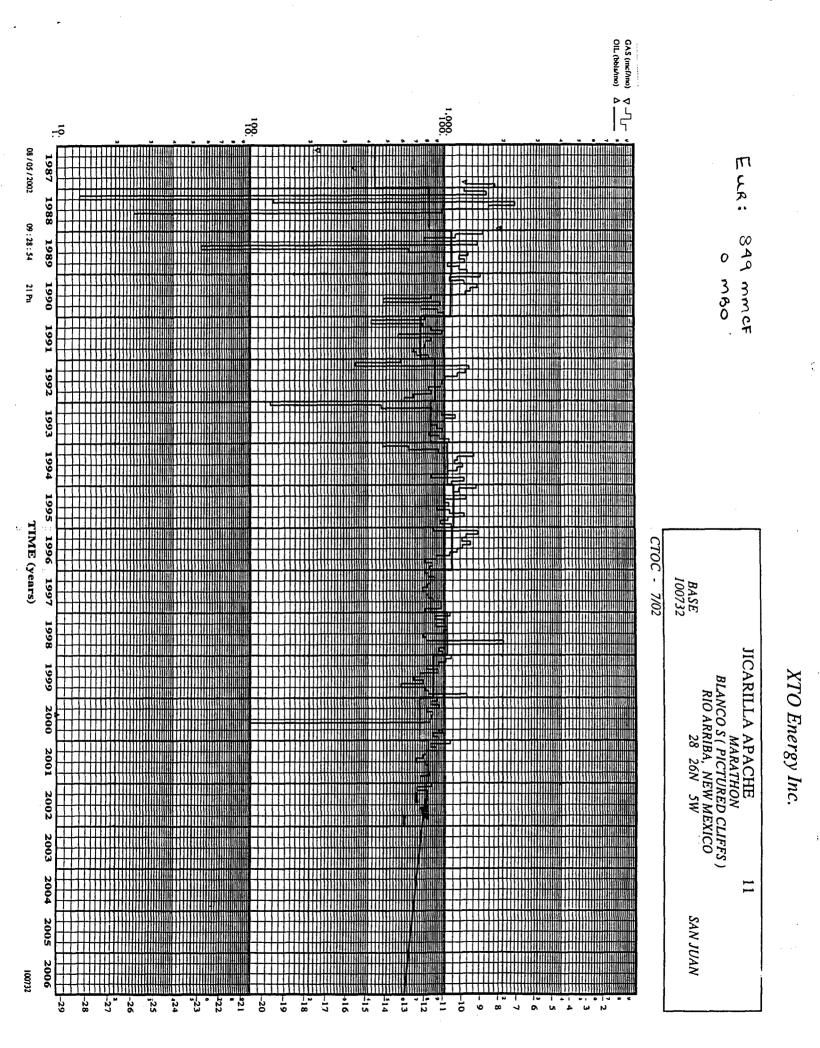
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Santa Fe, NM 87505

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12 Dedicated Acres		or Infill	⁴ Consolidation	Code 15 C)rder No.							
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KTO Energy Inc.



Jicarilla #11 Unit M, Sec 28, T-26-N, R-5-W

• •

	Picture Cliffs			Chacra			Mesaverde		
			Спаста			Iviesaver de			
Date	Oil	Gas	Wtr	Oil	Gas	Wtr	Oil	Gas	Wtr
	(BOPM)	(MCFPM)	(BWPM)	(BOPM)	(MCFPM)	(BWPM)	(BOPM)	(MCFPM)	(BWPM)
July, 2002		707			2661	0	18	2090	0
August, 2002		815			2955	0	20	2321	0
September, 2002		830			2878	22	30	2262	18
October, 2002		844		·	2757	20	52	2167	15
November, 2002		808			2393	28	0	1880	22
December, 2002		822			2324	65	78	1826	50
6 month Average		804			2661	23	33	2091	18
Allocation %		14%			48%	56%	100%	38%	44%
Proposed Allocations:				Gas %	Oil %	Water %			
		Pict	ured Cliffs	14%	0%	0%			
			Chacra	48%	0%	56%			
		L	Mesaverde	38%	100%	44%			
Estimated Bettembole Descence Coloulations									
Estimated Bottomhole Pressure Calculations									
1. Pictured Cliffs: Perforations 2,848' - 2,882'									
	11/5/2001: SICP 98 psig, gradient .0056 psi/ft								
	BHP = $98 \text{ psig} + 14.7 + (2,848 * 0.0056)$								
	BHP = 129 psi								
2. Chacra:	Perforations 3,714' - 3,739' 11/5/2001: SICP 339 psig, gradient .0087 psi/ft								
	BHP = $339 \text{ psig} + 14.7 + (3,714 * 0.0087)$								
	BHP = 386 psi								
3. Mesaverde:									
5. Miesaverue.	Perforations 4,808' - 5,126' 11/5/2001: SICP 339 psig, gradient .015 psi/ft								
	BHP = 339 psi + 14.7 + (4,808 * 0.015)								
	BHP = 426 psi								