Foim 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 200

	UREAU OF LAND MANA			ŀ	Expires: No 5. Lease Serial No.	vember 30, 2000
SUNDRY	NOTICES AND REPO	RTS ON WELLS	3		NMSF079319	
Do not use thi	s form for proposals to II. Use form 3160-3 (AP	drill or to re-ente	er an		6. If Indian, Allottee o	r Tribe Name
SUBMIT IN TRI	PLICATE - Other instruc	ctions on reverse	Stole.		7. If Unit or CA/Agree	ement, Name and/or No.
Type of Well Oil Well	ner	60	SF7 2)CO3	8. Well Name and No. SCHWERDTFEG	ER A 3F
Name of Operator XTO ENERGY INC.	Contact:	HOLLY PERKINS E-Mail: Holly_Perkir		om	9. API Well No. 30-045-31051	
3a. Address 2700 FARMINGTON AVE, BL FARMINGTON, NM 87401	DG K, SUITE 1	3b. Phone No. (incl Ph: 505.324.10 Fx: 505.564.670	90 Ext: 4020	-	10. Field and Pool, or MV / DK / CH /4	Mancos
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)			11. County or Parish,	and State
Sec 6 T27N R08W SENW 238	85FNL 2580FWL				SAN JUAN COL	МИ ,ҮТИL
12. CHECK APPE	ROPRIATE BOX(ES) TO) INDICATE NA	TURE OF NO	TICE, RE	PORT, OR OTHE	R DATA
TYPE OF SUBMISSION			TYPE OF A	CTION		
	☐ Acidize	Deepen	ſ	☐ Producti	on (Start/Resume)	■ Water Shut-Off
■ Notice of Intent	☐ Alter Casing	☐ Fracture	Treat [□ Reclama	ition	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New Cor	struction [Recomp	lete	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug and	Abandon [☐ Tempora	arily Abandon	Subsurface Commingli
	☐ Convert to Injection	□ Plug Bac		☐ Water D	•	
13. Describe Proposed or Completed Op If the proposal is to deepen direction: Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f FIELD & POOL: Otero Chacr Please find attached an applic this well. The Dakota, Gallup supporting data for the Dakota	ally or recomplete horizontally, it will be performed or provide loperations. If the operation rebandonment Notices shall be final inspection.) a/Blanco Mesaverde/WC cation form requesting ad Mesaverde and Chacra	give subsurface location in the Bond No. on file sults in a multiple content only after all requirements of the Bond No. on file substitution in the substitution of t	ions and measured with BLM/BIA. Finpletion or recomprements, including cota	Required sub Required sub pletion in a n reclamation e commine ase. All	sequent reports shall be sew interval, a Form 316 t, have been completed,	filed within 30 days
14. I hereby certify that the foregoing is	Electronic Submission	ENEDGY INC Lean	t to the Farming	nton		
	Committed to AFMSS	for processing by I	Matthew Halber	t on 09/05/	2002 ()	

	Electronic Submission #13492 Verinie For XTO ENERGY INC., Committed to AFMSS for processing	sent to	the Farmington			
Name (Printed/Ty		Title	OPERATIONS ENGINEER			
Signature	(Electronic Submission)	Date	08/09/2002			-
	THIS SPACE FOR FEDERA	AL OR	STATE OFFICE USE			
	Jim Lovato			Date	SEP =6	2002
Approved By	<u> </u>	- [1	tle	Date		
Conditions of approva certify that the applica	I, if any, are attached. Approval of this notice does not warrant or nt holds legal or equitable title to those rights in the subject lease e applicant to conduct operations thereon.		fice	Date		

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

NMOCD



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

BETTY RIVERA

Cabinet Secretary

Lori Wrotenbery

Director
Oil Conservation Division

AMENDED ADMINISTRATIVE ORDER DHC-3025-A

XTO Energy, Inc. 2700 Farmington Ave Building K, Suite 1 Farmington, New Mexico 87401

REC'D / SAN JUAN

JUL 2 2 2002

Attention: Mr. Darrin Steed

Schwerdtfeger A No. 3F
API No. 30-045-31051
Unit F, Section 6, Township 27 North, Range 8 West, NMPM,
San Juan County, New Mexico
Basin-Dakota (Prorated Gas – 71599),
Wildcat-Gallup (Gas),
Otero-Chacra (Gas – 82329), and
Blanco-Mesaverde (Prorated Gas – 72319) Pools

Dear Mr. Steed:

The existing order is hereby modified to add the Gallup Formation - creating a four (4) zone down hole commingle. Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Administrative Order DHC-3025-A XTO Energy, Inc. July 17, 2002 Page 2

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Wildcat-Gallup Gas Pool	Off-17%	Gas-8%
Otero-Chacra Gas Pool	Oil-0%	Gas-12%
Blanco-Mesaverde Prorated Gas Pool	Off-33%	Gas-45%
Basin-Dakota Prorated Gas Pool	Oil-50%	Gas-35%

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303.C.(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 17th day of July 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Lori Wrotenbery (v1)

LORI WROTENBERY Director

LW/WVJ

cc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington



July 11, 2002

Ms. Lori Wrotenberry New Mexico Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

RE: Appl

Application for Exception to Rule 303-C - Downhole Commingling

Schwerdtfeger A #3F

Unit F, Sec 6, T-27-N R-8-W

Otero Chacra, Blanco Mesaverde, Wildcat Gallup and Basin Dakota Pools

San Juan County, New Mexico

Dear Ms. Wrotenberry,

Enclosed please find an administrative application form (C-107A) and attachments for downhole commingling the captioned well. XTO Energy Inc. (XTO) plans to complete all four zones in succession with an expected total commingled rate of about 3 BOPD, 2 BWPD and 900 MCFPD. 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. Offset operators have been sent a copy of this application by certified mail.

This well is located 1-1/2 miles north of the Florance #66F. A downhole commingling application was sent with supporting documentation in May 2002. Due to both wells close proximity XTO would like to also use that information for this application. The downhole commingling order for the Florance #66F is DHC-3011.

If you need additional information or have any questions, please give me a call at (505) 324-1090.

Sincerely,

XTO ENERGY INC

Darrin L. Steed Operations Engineer

Enclosures

Cc:

DLS File Well File GLM

C:\Work\Schwerdtfeger A #3F\DHT application l.doc

District I
1049 14. Franch Brim, Made, 1004 00240
District II
2000 17. Guard Arman, Arash, 1004 00210
District III
District III
District III
District III
District IV

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15, 2000

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

Pool Name Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Method of Production (Pherina or Artificial Life) Method of the lower man is within 1991.9 1200 Oil Gravity or Gas BTU (Dayre API or Use BTU) Producing, Shate-In or New Zone Date and Oil/Gas/Water Rates of Last Production. Date Per new mans with no pedantin himsy, oppliant thall be required to stock penhation aritemats and apposing data) Rates: 0 BOI Rates: 0 BW/	2700 Farmingt		dg. K, Ste 1, F	arming	ton, NM 8740	1_
DATA ELEMENT DATA ELEMENT Pool Name Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole lataryal) Method of Production (Perforated or Open-Hole lataryal) Method of Production (Perforated or Artificial LEO Bottomhole Pressure (Outer house of mile to respine life better printed in the later man is while 1996 of the days of the my perforation in the upper mode of any perforation in the upper mode of the production. Oil Gravity or Gas BTU (Outers Aff or Gas BTU) Date: Date and Oil/Gas/Water Rates of Last Production. Date: Open for one mean while a perforation belong perforate shall be required to struck production. Production. There was a perforation appearing one man and opposite days or model of the man arms or part production, appearing days or opposite will be required. Are all working, royalty and overriding royalty interests of not, have all working, royalty and overriding royalty in the arms or part production, appearing days or opposite will be required. Are all produced fluids from all commingled zones com Will commingling decrease the value of production? If this well is on, or communitized with, state or federal or the United States Bureau of Land Management been a MOCD Reference Case No. applicable to this well: Attachments: C-102 for each zone to be commingled showing its a Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalty and overriding Any additional statements, data or documents requir If application is to establish Pre- ist of other orders approving downhole commingling v. ist of other orders approving downhole commingling v.	Add	ress				
DATA ELEMENT DATA ELEMENT Pool Name Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Method of Production (Perforated or Open-Hole Interval) Producting, Shut-In or New Actual Open Method Interval Open Method Interv		27N-R8W Section-Town	hin-Range			an Juan_ County
Pool Name Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Method of Production Floring or Artificial LEO Bottombole Pressure Pools Pressure Pools Pressure Pool Gravity or Gas BTU Days Affect of the speciment of the speciments in the leave made in white 159% of the speciments in the speciment in the s	NPI No30-045			:: _X_		tateFee
Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Method of Production (Perforated or Artificial LIB) Bottomhole Pressure (Perforated or Artificial LIB) Bottomhole Pressure (Perforated or the hore and to require the tensor potentials the hore and to require the tensor and to other tensor and opportune that tensor and opportune that tensor and opportune tensor and opp	RZONE	INTER	MEDIATE ZO	LOWI	R ZONE	
Pool Code Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Method of Production (Paying or Artificial Lift) Bottombole Pressure Poole themse with an included if the beams perforate in the laws of the sequence of the se	Chacra	Bia	aco Mesaverdo	•		
Top and Bottom of Pay Section [Perforsted or Open-Hole Interval] Method of Production Planting or Artificial LISO Bottomhole Pressure Plant Income do with all to require the tensor of	329		72319			
Method of Production (Parties or Artificial Lift) Bottombole Pressure (Parties or Artificial Lift) Bottombole Pressure (Parties or Artificial Lift) Bottombole Pressure (Parties of the town and subties (principle the town and subties (principle to the purchasin is the squar state (pages AFI or Oas BTU) (Pages AFI or Oas	l' = 3,978' Frated)		5,020' — 5,440 Perforated)	,		
place Insure does will not be required if the human perfection in the leaver man in white 150% of the does not be reperfected in the leaver made. Oil Gravity or Gas BTU Oil Gravity or Gas BTU New Zone Date and Oil/Gas/Water Rates of Last Production. Date: Other Production. Date: Oil Gravity or Gas BTU Oil Gravity or Gas BTU Date: Oil Gravity or Gas BTU New Xone Date and Oil/Gas/Water Rates of Last Production. Date: Oil Gravity or Gas BTU New Xone Date: Oil Gravity or Gas BTU Oil Gravity or Gas	wing		Flowing	4.		
Producing, Shat-In or New New Zone Date and Oil/Gas/Water Rates of Last Production. Date remore who a predestant himp, parties the respect to each product on the production of the United States Bureau of Land Management been been used to the United States Bureau of Land Management been of the United States Bureau of Land Management been	et. peig		Est. 1,098 paig			
New Zone Date and Oil/Gas/Water Rates of Last Production. Date: Rates: 0 BOIl Rates:	BTU ·		13 00 BTU			
Last Production. One for our was with no production history, paginant shall be required to study production. Fixed Allocation Percentage (New Following is but of a production in the dopen security and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron, have all working, royalty and overriding royalty interests fron the United States Bureau of Land Management been of the United States Bureau of Land Manageme	Zone		New Zone			
Rates: 0 BOT 0 BW Fixed Allocation Percentage (Name of Allocation Percentage (Name of Allocation Percentage (Name of Allocation Percentage (Name of Allocation) Percentage (Name of Name of N		Date:			Date:	
Fixed Allocation Percentage (Name and a part products appropriate data or appropriate to the open to the part of	PD	,	BWPD	Rates:		
are all working, royalty and overriding royalty interests froo, have all working, royalty and overriding royalty interests are all working decrease the value of production? If this well is on, or communitized with, state or federal or the United States Bureau of Land Management been also MOCD Reference Case No. applicable to this well: Litachments: C-102 for each zone to be commingled showing its a Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalty and overriding. Any additional statements, data or documents required in the proposed pre-Approved in the proposed Pre-Approved in the proposed Pre-Approved.	110 MCFFD 405 MCFFD Oil Gas Oil Gas				Oil	Gas
not, have all working, royalty and overriding royalty is re all produced fluids from all commingled zones comfill commingling decrease the value of production? This well is on, or communitized with, state or federal rethe United States Bureau of Land Management been all MOCD Reference Case No. applicable to this well:	12 %	33 %	45	%	*	%
not, have all working, royalty and overriding royalty is re all produced fluids from all commingled zones comfill commingling decrease the value of production? This well is on, or communitized with, state or federal rethe United States Bureau of Land Management been all MOCD Reference Case No. applicable to this well:	ADDITIO	NAL DATA	4			
this well is on, or communitized with, state or federal r the United States Bureau of Land Management been to United States Bureau of Land Management been to United States Bureau of Land Management been to MOCD Reference Case No. applicable to this well: "It achments: C-102 for each zone to be commingled showing its a Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalry and overriding. Any additional statements, data or documents required to the results of other orders approving downhole commingling wist of all operators within the proposed Pre-Approved in the United Statements.					Yes_ Yes_	X No No
This well is on, or communitized with, state or federal r the United States Bureau of Land Management been in MOCD Reference Case No. applicable to this well:ttachments: C-102 for each zone to be commingled showing its a Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalty and overriding. Any additional statements, data or documents required in the proposed pre-Approved ist of all operators within the proposed Pre-Approved is of all operators within the proposed Pre-Approved.	patible with each o	ther?			Yes_	_X No.
r the United States Bureau of Land Management been MOCD Reference Case No. applicable to this well:ttachments: C-102 for each zone to be commingled showing its in Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalry and overriding. Any additional statements, data or documents required in the proposed of the reference of the production is to establish Presist of other orders approving downhole commingling wist of all operators within the proposed Pre-Approved.					Yes_	No. X
Attachments: C-102 for each zone to be commingled showing its in Production curve for each zone for at least one year. For zones with no production history, estimated pro Data to support allocation method or formula. Notification list of working, royalty and overriding. Any additional statements, data or documents require in the proposed of the present of application is to establish Presist of other orders approving downhole commingling visit of all operators within the proposed Pre-Approved.				ınds	Yes_	X No
If application is to establish Pre- ist of other orders approving downhole commingling v ist of all operators within the proposed Pre-Approved	(If not available, fuction rates and a royalty interests fo	attach explai apporting da r uncommon	nation.) ta.			
ist of other orders approving downhole commingling vist of all operators within the proposed Pre-Approved	PRE-APPRO	VED POO	<u>LS</u>			
ist of all operators within the proposed Pre-Approved	Approved Pools, t	he following	additional inform	nstion w	ill be required:	
lottomhole pressure data.	ools		•	n.		
bereby certify that the information above is true	and complete to	the best of s	ny knowledge	and beli	c£	, · —

District I
Told H Frunch Diese, Hebba, 1864 882 00
District II
Lim W Grand America, Admilia, 1864 882 10
District III
District III
District IV
LID B Frunch Diese, Sonso Fra, 1864 87786
LID B Frunch Diese, Sonso Fra, 1864 87786

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised May 15, 2000

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

hwerdtfeger A GRID No167067 Property Code DATA ELEMENT Cool Name	3F Well No. API UPPER Z	Unit Letter-	27N-R8W Section-Towns				San Juan County	
DATA ELEMENT	· · · · · · · · · · · · · · · · · · ·		-31051	Lease To	•			
col Name	UPPER Z	ONE			pe: _X_	Federal	State	_Fee
			INTER	MEDIATE :	ZONE	LOW	E	
			W	ildeat Call	aco,	Bas	in Dakota	
				96925	Jaco		71599	•
op and Bottom of Pay Section Perforated or Open-Hole Interval)				6,629' – 6,7: Perforated)	i0°		100' 7,60 rforated)	,0°
Aethod of Production Flowing or Artificial Lift)				Flowing		F	lowing	
ottomhole Pressure late France data will not be reguled if the bettern arterator in the tower zone in within 179% of the				Est. 1,150 psig		7	Est. 80 prig	
pth of the top perfection to the upper most) Dill Gravity or Gas BTU Degree API or Gos BTU)				1156 BTU		12	28 BTU	
roducing, Shut-In or lew Zone				New Zone	******	No	rw Zobe	
Date and Oil/Gas/Water Rates of ast Production.	Date:		Date:			Date:		
pillose dell be reprired to entel production niquitae and supporting data.)	Rates:			BWPD		Rates: 1.3 B 2.3 B	WPD	
ixed Allocation Percentage	Oil	Gas	Oil	MCIPD Gas	·	Oil	MCFPD Gas	
face: Enlayation is broad upon rewelling other um current or past production, supporting data or uphasetion will be required.)	*	*	17 %	8	%	51 %	35	,
-		ADDITIO	NAL DATA	4	<u></u>	L		
e all working, royalty and overriding a not, have all working, royalty and over					?		X N	
e all produced fluids from all commin	gled zones compatil	ble with each o	other?			Yes	x N	lo
ill commingling decrease the value of	production?					Yes	N	lo3
this well is on, or communitized with, the United States Bureau of Land Mar	state or federal land tagement been notif	ls, has either the fied in writing	ne Commission of this application	oner of Public ation?	Lands	Yes	_x N	lo_
MOCD Reference Case No. applicable	to this well:					•		
tachments: C-102 for each zone to be comming! Production curve for each zone for a For zones with no production history Data to support allocation method or Notification list of working, royalty Any additional statements, data or de-	t least one year. (If y, estimated product r formula. and overriding roya	not available, tion rates and s lity interests fo	attach explai supporting da r uncommon	nation.) ta.				
	I	PRE-APPRO	OVED POO	LS				
If application is t	o establish Pre-App	roved Pools, ti	he following	additional info	rmation w	ill be required:		
st of other orders approving downhole at of all operators within the proposed oof that all operators within the propo- pationhole pressure data.	Pre-Approved Pool	ls .			ion.	Zo Some		

Lease \\ Florance D LS Florance D LS	Well #					Schwerdtfeger A #3F NW/4 Section 6 T-27-N R-8-W Chacra Mesaverde Gallup Dakota													
Florance D LS	Well #								Gal	lup	Dak	ota							
Florance D LS	AAGH W	8	T	B	EUR	CUM	EUR	CUM	EUR	CUM	EUR	CUM							
	9 1	Sec 17	Twp 27N	Rng 8W	MMCF 536	MBO 0.0	MMCF	МВО	MMCF	MBO	MMCF	МВО							
	17	17	27N	8W	169	0.0													
Florance LS	4A	18	27N	8W	206	0.3													
Florance	66	18	27N	8W	36	0.0													
Navajo Indian B	3	19	27N	8W	352	0.0													
Florance Blanco	67 25	19 12	27N 27N	8W 9W	481 352	0.0					 								
John Charles	6A	13	27N	9W	160	0.0													
John Charles	8	13	27N	9W	712	0.0													
John Charles	7E	13	27N	9W	599	0.0													
Huerfanito Unit	77	24	27N	9W	191	0.0													
Jernigan Deu P	3A 5	24 7	27N 27N	9W 8W	437	0.0	4 450	- 00		· <u>-</u>									
Day B	2		27N	8W			1,450 1,800	8.3 10.3											
Schwerdtfeger A	<u>6M</u>	8	27N	8W			263	0.5											
Schwerdtfeger A	20M	8	27N	8W			1,231	4.8											
Schwerdtfeger A	14	8	27N	8W		I	1,456	8.5											
Schwerdtfeger A Florance D LS	13 10	8 17	27N 27N	W8 W8			1,770 1,266	12.8 5.7											
Florance D LS	9	17	27N	8W			2,656	11.5											
Florance	64	17	27N	8W	i i		1,192	1.3											
Florance	63M	17	27N	8W			746	1.2											
Florance	63E	17	27N	W8			618	0.7											
Florance	4	18	27N	8W			2,685	15.0											
Florance D LS	4A 11	18 18	27N 27N	W8 W8			636 2,139	1.5 9.0											
Florance	66	18	27N	8W			864	1.4											
Navajo B	6M	19	27N	8W			650	4.2											
Florance	67	19	27N	8W			776	0.5			İ								
Florance D LS	12	19	27N	8W			2,898	16.2											
Navajo Indian B Florance D LS	3 4	19 20	27N 27N	W8 W8			950 1,084	1.6											
Florance	62	20	27N	8W			1,004	1.9											
	62M	20	27N	8W			264	0.7											
Florance D LS	13	20	27N	8W			2,089	11.2											
Florance D LS	4A	20	27N	W8			141	1.4											
Blanco	2A 2	12 12	27N 27N	9W			723 3,046	2.5 13.5											
Bianco	4	12	27N	9W	·····		2,828	15.0											
Blanco	4A	12	27N	9W			590	0.1											
John Charles	7B	13	27N	9W			630	0.2											
John Charles	7	13	27N	9W			3,024	13.1											
John Charles	7A	13	27N	9W			1,328	5.2											
John Charles John Charles	6 6A	13 13	27N 27N	9W			3,005 765	15.9 4.9											
Jernigan	3	24	27N	9W			584	10.0				-							
Huerfanito Unit	77A	24	27N	9W			478	2.5											
Huerfanito Unit	77	24	27N	9W			382	2.9											
Jernigan Dev B	3A	24	27N	9W			215	2.9			1 070								
Day B Day B	3	7	27N 27N	8W 8W							1,078 1,127	4.7 9.9							
Schwerdtfeger A	6M	8	27N	8W							732	4.1							
Schwerdtfeger A	6	8	27N	8W							1,676	15.9							
Schwerdtfeger A	20M	8	27N	8W							286	3.2							
Schwerdtfeger A	20	8	27N	W8							1,775	14.3							
Florance Florance	64 63M	17 17	27N 27N	8W 8W							528 1,211	7.2 15.4							
Florance	63E	17	27N	8W						-	755	5.5							
Florance	65	18	27N	8W							1,702	9.1							
Florance	66	18	27N	8W							2,270	26.1							
Florance	66E	18	27N	W8							625	3.1							
Navajo B	6	19	27N	W8							620 270	4.1 1.5							
Navajo B Florance	6M 67	19 19	27N 27N	8W 8W	· · · · · · · · · · · · · · · · · · ·						459	8.5							
Florance	68	20	27N	8W							482	5.3							

	Schwerdtfeger A #3F												
NW/4 Section 6 T-27-N R-8-W													
					Chacra		Mesaverde		Gallup		Dakota		
Lease	Well #	Sec	Twp	Rng	EUR MMCF	CUM MBO	EUR MMCF	CUM MBO	EUR MMCF	CUM MBO	EUR MMCF	CUM MBO	
Florance	62	20	27N	8W							1,062	23.2	
Florance	62M	20	27N	8W							737	1.8	
Charles et al	2E	12	27N	9W							588	3.6	
Charles et al	1E	12	27N	9W							605	1.7	
Charles et al	2	12	27N	9W							941	4.6	
Charles et al	1	12	27N	9W							675	3.2	
Ramenta et al	1	13	27N	9W							800	6.6	
John Charles	7	13	27N	9W							475	5.2	
John Charles	7E	13	27N	9W							781	4.0	
Ramenta et al	1E	13	27N	9W							375	1.5	
Huerfanito Unit	97	24	27N	9W							3,331	38.8	
Jernigan	3	24	27N	9W							2,545	26.2	
Schwerdtfeger A	5E	6	27N	8W					236	3			
Totals					4,231	0.3	48,245	219.4	236.0	3.0	28,511	258.3	
Average					353	0.0	1,304	5.9	236.0	3.0	1,018	9.2	

Proposed Allocations

	Gas %	Oil %
Chacra	12%	0%
Mesaverde	45%	33%
Gallup	8%	17%
Dakota	35%	51%

			Sch	werdtfeger	A #5E (Gal	lup)	3		***************************************				
Z (ft)	6111	Depth to z		The state of the s									
sĠ		Gas gravit		Taken from TUMS database									
Pts (psia)				SITP when installing new compressor									
Tts (F)	70	surface ter	πp	Average surface temperature taken from TUMS database									
Tws (F)	142	BH temp	Taken from	n NMOCD	rules handbo	ook Fig 10	7-A	••••		_ 1			
Tavg (R)	566	Avg temp	(Rankine)					•···· •-					
				-	3 1 2	-							
Pws (psia)	1500	Starting BI	HP guess		1.0								
Pavg (psia)	1250	Starting BI	HP guess &	surface pre	ess	• -			i ' '	į.			
Ppc	668		- cuseu]				
Трс	389									11			
Ppr	1.87		MAN COLUMN TO THE PERSON TO TH	·	\$ 12				,				
Tpr	1.45						1.5			T-			
Z			ding & Katz		1. 1. 1. 1. 1.								
Pws (psia)	1150	BHP calc	End of iter	ation #1									
Dover (nois)	1075							Enganism (inside an armedican					
Pavg (psia) Ppr	1.61	to control of the con		1	<u> </u>		+						
Tpr	1.45				 	·							
<u> </u>		Ĺ	ding & Katz				_			** (380 ************************************			
Pws (psia)			End of iter										
, wa (paia)	1179		Little Graces	GUOTI ITE			-						
			 										
		**************************************		•	14,4,1		_		***************************************				
			† 						-				
	en e	ACRES											
	era reera en las acesto obseguadas. Saul es espesa			 									
			+	 					 				