1.16.95

1084

Southern

Rockies

Business

Unit:



December 22, 1994

Mr. William J. LeMay, Director New Mexico Oil Conservation Division 2040 S. Pacheco Street P.O. Box 6429 Santa Fe. NM 87505

Application for Exception to Rule 303-A
Downhole Commingling
C. A. McAdams B #1 E Well
1670' FSL, 790' FWL, Section 28-T27N-R10W
Angels Peak Gallup Ext., Basin Dakota Pools
San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval to downhole commingle production from the Angels Peak Gallup Ext. and Basin Dakota Pools in the C. A. McAdams B #1E Well referenced above. The ownership (WI, RI ORRI) of these pools is identical in this wellbore. Downhole commingling will offer an economical method of production while protecting against reservoir damage, waste of reserve and violation of correlative rights. A copy of this application will be sent to the offset operators and the BLM (Fed. Ls. SF-077941-A).

Sincerely,

I W Hawkins

**Enclosures** 

cc: Mike Kutas

Frank Chavez, Supervisor Amoco District III 1000 Rio Brazos Road Aztec, NM 87410

Meridian Oil Inc./ El Paso Nat. Gas P.O. Box 4289 Farmington, NM 87499

Dugan Production Corp. PO Box 420 Farmington NM 87499-0420 Duane Spencer
Bureau of Land Management
1235 La Plata Hwy
Farmington, NM 87401

Jerry Hoover Conoco Inc. 10 Desta Dr., Ste.100W Midland, TX 79705-4500

### Application for Exception to Rule 303: SEGREGATION OF PRODUCTION FROM POOLS

#### Requirements

(1) Name and address of the operator:

Amoco Production Company P.O. Box 800 Denver, CO 80201

(2) Lease name, well number, well location, name of the pools to be commingled:

Lease Name:

C. A. McAdams B

Well Number:

1E

Well Location:

1670' FSL & 790' FWL

Section 28, T27N-R10W

San Juan County, New Mexico

**Pools Commingled:** 

Angels Peak Gallup Ext.

**Basin Dakota** 

(3) A plat of the area showing the acreage dedicated to the well and the ownership of all offsetting leases.

#### Attached

(4) A current (within 30 days) 24-hour productivity test on Division Form C-116 showing the amount of oil, gas and water produced from each zone.

The Dakota has produced since 1986 and is currently averaging about 100 mcfd. The Gallup is completed but has never produced.

(5) A production decline curve for both zones showing that for a period of at least one year a steady rate of decline has been established for each zone which will permit a reasonable allocation of the commingled production to each zone for statistical purposes. (This requirement may be dispensed within the case of a newly completed or recently completed well which has little or not production history. However, a complete resume of the well's completion history including description of treating, testing, etc., of each zone, and a prognostication of future production from each zone shall be permitted.)

Dakota Completion:

Historical production curve attached.

Gallup Completion:

Completed as a dual but never been first delivered.

(6) Estimated bottomhole pressure for each artificially lifted zone. A current (within 30 days) measured bottom hole pressure for each zone capable of flowing.

	BH Pressure	SI Tubing Press.	Fluid Level
Gallup Completion:	882 psi	392 psi	0
Basin Dakota Completion	780psi	294 psi	0,

(7) A description of the fluid characteristics of each zone showing that the fluids will not be incompatible in the wellbore.

The fluids have no abnormal components that would prohibit commingling, or promote the creation of emulsions or scale. These horizons are currently being downhole commingled in several offset wells in the immediate area.

(8) A computation showing that the value of the commingled production will not be less than the sum of the values of the individual streams:

Since the BTU content of the produced fluids are very similar, we would expect the commingled production to have the same value as the sum of the individual streams.

(9) A formula for the allocation of production to each of the commingled zones and a description of the factors or data used in determining such formula:

We propose a fixed percentage allocation using the recent average Dakota rate as a percentage of the commingled rate.

(10) A statement that all offset operators and, in the case of a well on federal land, the United States Bureau of Land Management, have been notified in writing of the proposed commingling.

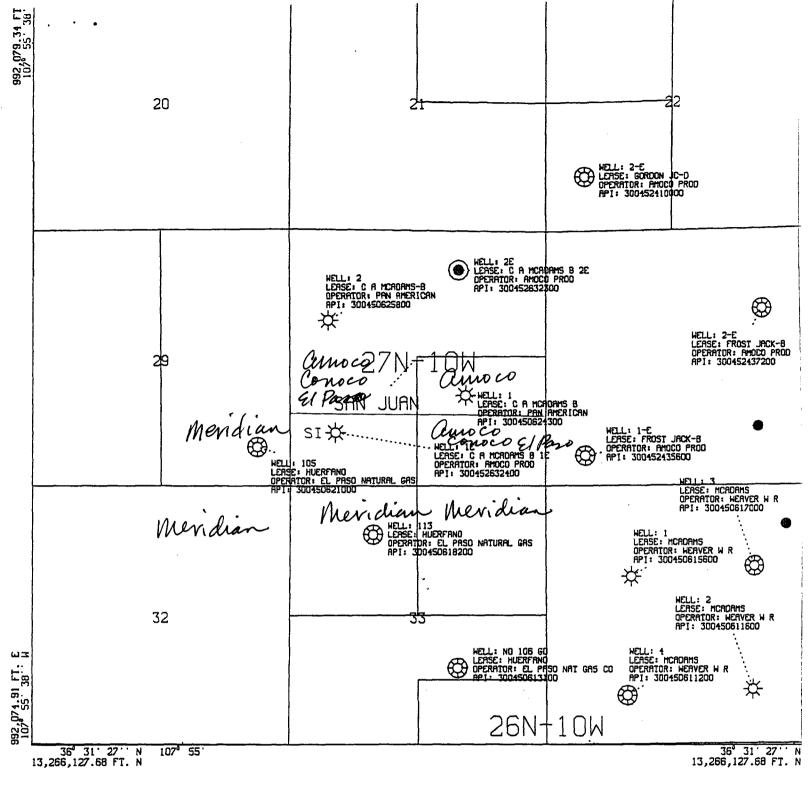
All offsetting operators and the BLM will receive a copy of this application by certified mail. The offsetting operators are:

Meridian, P.O. Box 4289, Farmington, NM 87499 Conoco Inc., 10 Desta Dr. Ste. 100W, Midland TX 79705 Dugan Production Corp. PO Box 420, Farmington NM 87499-0420 SANTA FE, NEW MEXICO 87501

Form C-102 kevised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator		Lease			Well No.			
AMOCO PRODUCTION COMPANY		C. A. McADAMS "B"			1E			
Unit Letter	Section	Township		Range	Range County			
<u> </u>	28	27N		10	W	San	Juan	
Actual Footage Loc	ation of Wel			<b>800</b>			11 <b>.</b>	
1670	feet from	·	line and	790		t from the		line
Ground Level Elev.	l l	lucing Formation		Angel	s Peak G	allup Ex	Kt. Dedice	ited Acreage; 320/80 Acres
6061		Dakota/Gallup		Dasil	Dakova			
1. Outline th	e acreage	e dedicated to the	subject we	ll by color	ed pencil o	r hachure	marks on the plat	below.
_								
			to the well	, outline e	ach and ide	ntity the c	wnership thereof	(both as to working
interest ar	nd royalty	) <b>.</b>						
3 If more the	one les	ase of different ou	mershin is d	ledicated t	o the well	have the i	nterests of all o	wners been consoli-
		zation, unitization,			o die nell,	nave the i	interests of all 0	where been conson-
dated by c	.0()()()()	dation, unitidation,	10100 poor				•	•
X Yes	☐ No	If answer is "	yes," type o	f consolida	tion Com	munitiza	ation	
			. • •					•
			d tract desc	riptions wh	ich have ac	ctually bee	en consolidated. (	Use reverse side of
this form i		-		<del></del>		<del></del>	<del></del>	
								zation, unitization,
	ling, or ot	herwise) or until a	non-standard	l unit, elin	inating suc	h interest	s, has been appro	oved by the Commis-
sion.								
		, , , , , , , , , , , , , , , , , , ,				——————————————————————————————————————	CER	TIFICATION
11	ı	اسم	the same	-17/7/18	7			•=•••••
11	i	<b>\</b>	RECI	ニノイト			I harahy careifu	that the information con-
	i	11		81 1002	1	1	1	true and complete to the
	Ī	$\sim$ $M_{\odot}$	· AllG	RY 120K	1	1	best of my know	•
	:	//		الأسادعاء	BAEA		DOF	1.11
•	1:		U. S. GEO	NGTON, N	VI		D. Z. FW	Clercle
<u>                                     </u>	+ -	<del></del>	LMICALI				Name	
1	i	į	-	1		ĺ	B.E. FACKR	RLL
							Position	MCTNEED
		`		1 1			DISTRICT E	NGTNEEK
	i		•	i		İ	1	UCTION COMPANY
	i			1	•	1	Date	
	1	Sec.			•		MAY 21, 19	80
				· I				·
	The state of the s	The state of the s		,		-		
	. !	_ ]	28	i			I hereby certify	that the well location
	ļ	. (1	SF-0779	41A			shown on this pl	at was plotted from field
	. }	·					notes of actual	surveys made by me or
7901	. !			0 ¦			1	ision, and that the same
	] 1			i		9	<b>I</b> .	rect to the best of my
	! _ ርጉ_477	941-A		1			knowledge and b	elief.
	3x 44 4	741		†				
	1			!				······································
	1	·				<b>1</b>	Date Surveyed	OA''B
.6701	1 		•	!				980 " sus
191	i			1			Registered Proless and/or Land Surve	
	1		•				200	di and
				and the second second second	Martin _ Tage of Print Board agency and the con-		Fred B. K	enr Jr.
Certificate No.								
0 330 660 90 1320 1650 1980 2310 2640 2000 1500 1000 800 0 3950 REPRESENTATION OF THE PROPERTY								

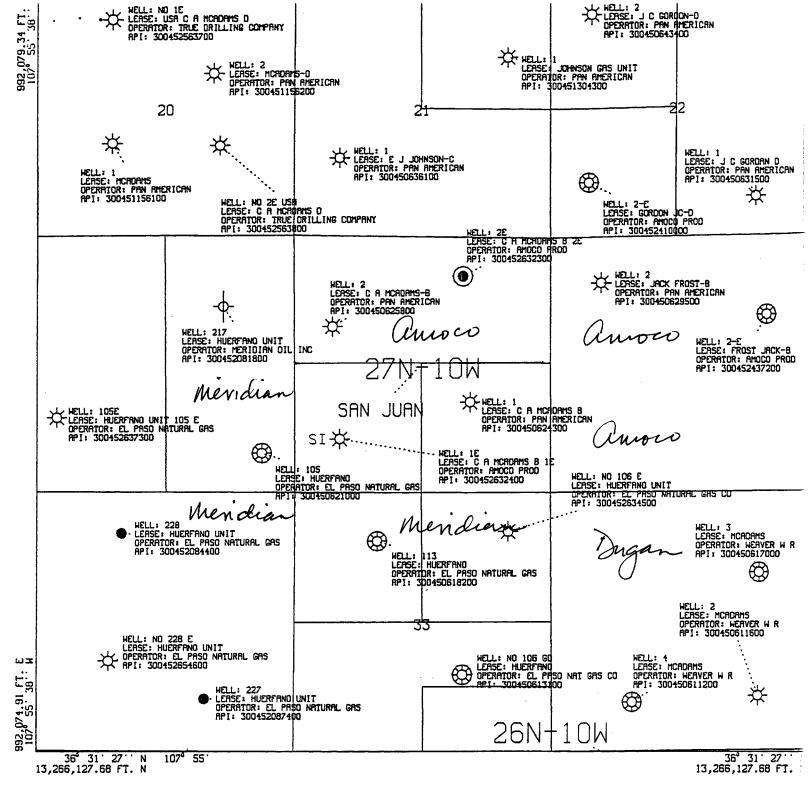


All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

POLYCONIC CENTRAL MERIDIAN - 107° 54' 1' W LON SPHERDID - 6

AMOCO PRODUCTION COMPANY
PLAT MAP

GALLUP WELLS SEC 28-T27N-R10W SCALE 1 IN. = 2,000 FT. DEC 5, 1994



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

POLYCONIC CENTRAL MERIDIAN - 107° 54' 1'' W LON SPHEROID - 6

AMOCO PRODUCTION COMPANY
PLAT MAP

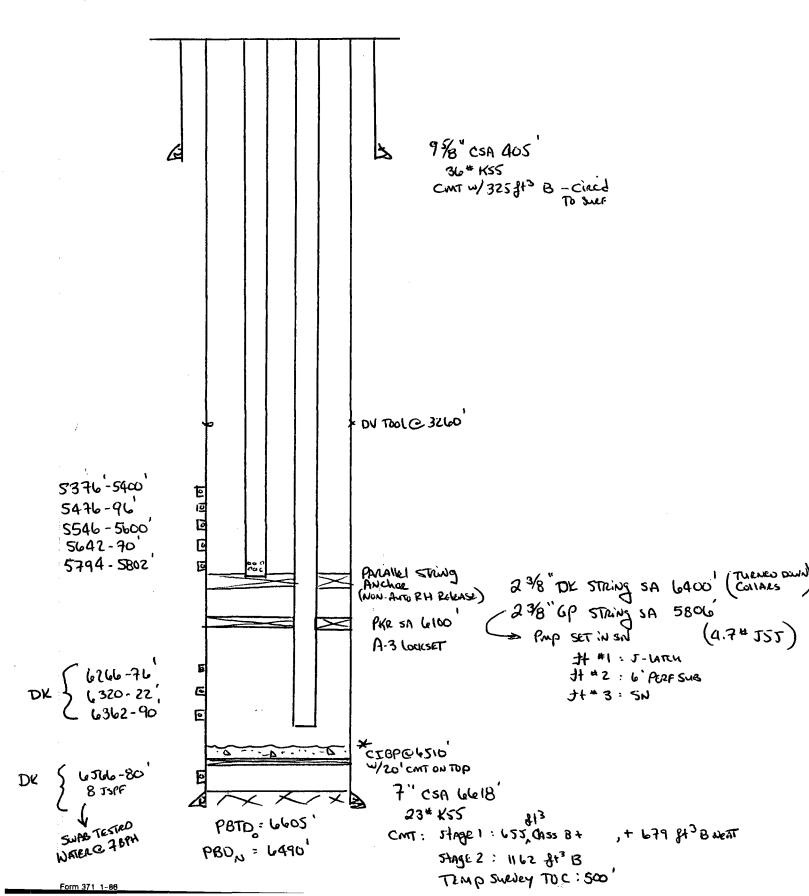
DAKOTA WELLS SEC 28-T27N-R10W CALE 1 IN. = 2,000 FT. DEC 5, 1

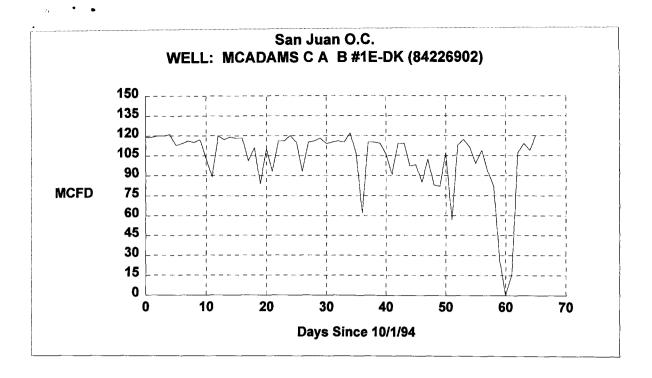
# **Amoco Production Company**

**ENGINEERING CHART** 

SUBJECT C.A. McAdams B 1E

By GMK







## STATE OF NEW MEXICO

# ENERGY, MINERALS and NATURAL RESOURCES DIVISION

OIL CONSERVATION DIVISION CONSERVATION DIVISION AZTEC DISTRICT OFFICE

REC: VED

BRUCE KING GOVERNOR

HOSP RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (SIN) 334-6178 ANITA LOCKWOOD '95 JAN 20 AM 8 CABINET SECRETARY

Date:	
Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088	84
RE: Proposed MCProposed NSLProposed WFXProposed NSP	Proposed SWD Proposed PMX
Gentlemen:	
I have examined the application received on	12/27/95
for the Amoco OPERATOR	CAMCAdams B 41E
OPERATOR	LEASE & WELL NO.
L-28-27N-10W	and my recommendations are as follows:
UL-S-T-R	ara my recommendations are as renewe.
Aprove	
	······································
Yours truly,	