DISTRICT II

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107-A New 3-12-96

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 87505-6429 APPROVAL PROCESS:

__Administrative __Hearing

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

811 South First St., Artesia, NM 88210-2835

TYPE OR PRINT NAME Robin S. McCarley

APPLICATION FOR DOWNHOLE COMMINGLING

Administrative __Hearing
EXISTING WELLBORE
__X_YES ___NO

Arch Petroleum Inc.	300 North Marienfeld, Suite 600 Midland, Texas 79701		
Plains Knight	2 N- Well No. Unit I	-23-24S-37E .tr Sec - Twp - Rge	Lea
GRID NO. 000962 Property Code		Spacing 1	Unit Lease Types: (check 1 or more)
The following facts are submitted in support or downtols committelling.	Upper Zone	Intermediate Zone	Lower Zone
Pool Name and Pool Code	Fowler (Upper Yeso)	Fowler (Tubb, South)	Fowler (Abo)
Top and Bottom of Pay Section (Perforations)	5164-5590	5847-6145	6307-6396
3. Type of production (Oil or Gas)	011	011	011
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	a. (Current) 850#	a. 1100#	a. 1200#
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original)	b.	b.
6. Oil Gravity (*API) or Gas BTU Content	39.5	34.4	40.1
7. Producing or Shut-In?	Shut-in	Shut-in	Producing
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history,	Yes Date: 01/91 Rates:	Yes Date: 07/99 Rates: 3 BO, 2 BW, 31 MCF	Yes Date: Retes:
applicant shall be required to attach production estimates and supporting data If Producing, give date andoil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 09/15/99 Rates: 5 BO, 50 BW, 15 MCF
8. Fixed Percentage Allocation Formula -% for each zone	Oil: Gas: 37 %	Oil: 27 % Gas: 43 %	OII: 46 % Gas: 20 %
 Are all produced fluids from a Will the value of production b If this well is on, or communit United States Bureau of Land NMOCD Reference Cases for ATTACHMENTS: C-102 for each zon Production curve of For zones with no Data to support allo 	nd royalty interests identical in iding, and royalty interests be given written notice of the profession with the notice of the profession will be allocation formal comming and will the allocation formal and will the allocation because of the profession will be allocation method or formula.	a all commingled zones? een notified by certified mail? oposed downhole commingling? compatible, will the formations nula be reliable. Yes ole with each other? X Yes X No (If Ye ods, either the Commissioner of ed in writing of this application.	X Yes No Yes No No X Yes No No No No (If No, attach explanation Yes No Public Lands or the Yes No N
* Notification list of a * Notification list of a * Any additional state	oriset operators. working, overriding, and royal ements, data, or documents r	ty interests for uncommon inter equired to support commingling	est cases.
hereby certify that the information		e to the best of my knowledge a	

TELEPHONE NO. (915) 685-8100