DATEIN /C	125	199	SUSPENSE	11	15	19	9	ENGINEER	DC	LOGGED BY	KV	TYPE	DHC	
			<u> </u>	7		7	•							

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSH	IEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applic	[PC-F	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] whole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] 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] ualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AI [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DSD OCT 2 5 1999
	Check [B]	One Only for [B] and [C] Commingling - Storage - Measurement DHC DCTB PLC DPC DOLS DOLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
[2]	NOTIFICAT [A]	TION 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]	Tor all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	☐ Waivers are Attached
[3]	INFORMAT	TION / DATA SUBMITTED IS COMPLETE - Statement of Understanding
and Radmin	by certify that I Regulations of the histrative approvall interest (WI, 1	c, or personnel under my supervision, have read and complied with all applicable Rules are Oil Conservation Division. Further, I assert that the attached application for val is accurate and complete to the best of my knowledge and where applicable, verify RI, ORRI) is common. I understand that any omission of data, information or to have the application package returned with no action taken.
	و	Note: Statement must be completed by an individual with supervisory capacity.
Robi	$\sqrt{\frac{8}{N}}$	\mathcal{L}_{olom} \mathcal{L}_{olom} \mathcal{L}_{olom} Production Tech. 10/20/99

Print or Type Name Signature Title

Date

OCT 2 5 1999

GERVATION INCOME

October 20, 1999

Mr. Mike Stogner State of New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87505-6429

Re:

Plains Knight Lease, Well #2 Unit N, Section 23, T24S, R37E Lea County, New Mexico

Dear Mr. Stogner,

Arch Petroleum Inc. respectfully requests Administrative Approval for an exception to Rule 303-C to permit down-hole commingling of the Fowler (Upper Yeso), Fowler (Tubb, South), and Fowler (Abo) Zones.

Please find enclosed all pertinent data regarding this application as outlined in Rule No. 303-C.

Sincerely,

Robin S. McCarley Production Tech.

Enclosures

Cc:

State of New Mexico Oil Conservation Division 1625 N. French Drive Hobbs, New Mexico 88240

DISTRICT I

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

DISTRICT II

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

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

__ Administrative ___Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

X YES ___ NO

Arch Petroleum Inc.	300 North Marienfeld,		79701
Operator Plains Knight	2 N-2	3-24S-37E	Lea:
Cease OGRID NO. 000962 Property Code	44000 20.0	- Sec - Twp - Rge Spacing U 25-11208 Federal	County nit Lease Types: (check 1 or more), State, (and/or) FeeX
The following facts are submitted in support of downhole commingling:	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
Type of production (Oil or Gas)	0il	011	011
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing:	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)	Yes	Yes	Yes
If Shut-In, give date and oil/gas/ water rates of last production Note: For new zones with no production history, applicant shall be required to attach production	Date: 01/91 Rates: 3 BO, 12 BW, 26 MCF	Date: 07/99 Rates: 3 BO, 2 BW, 31 MCF	Date: Rates:
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: Gas: 43 %	Oil: 46 % Gas: 20 %
If allocation formula is based usubmit attachments with supp	upon something other than currocting data and/or explaining r	rent or past production, or is ba	ased upon some other method,
10. Are all working, overriding, ar If not, have all working, overr Have all offset operators been	nd royalty interests identical in iding, and royalty interests bee given written notice of the pro	all commingled zones? on notified by certified mail?	X Yes No Yes No X Yes No
11. Will cross-flow occur? Y	es X No. If yes are fluids o	compatible will the formations	not be damaged, will any cross- No (If No, attach explanation)
12. Are all produced fluids from a			
13. Will the value of production be			· · · · · · · · · · · · · · · · · · ·
14. If this well is on, or communit United States Bureau of Land	tized with, state or federal land Management has been notified	s, either the Commissioner of it in writing of this application.	Public Lands or theYes No
15. NMOCD Reference Cases for	Rule 303(D) Exceptions:	ORDER NO(S). DHC-1277	
* For zones with no p * Data to support allo * Notification list of a	or each zone for at least one year or reduction history, estimated p ocation method or formula.	ts spacing unit and acreage deter. (If not available, attach extroduction rates and supporting a interests for uncommon interequired to support commingling	planation.) data.
I hereby certify that the information			
SIGNATURE ROLL S.	Meally	TITLE Production Tech.	DATE 10/20/99
TYPE OR PRINT NAME Robin S.	//	TELEPHONE NO. (

ARCH PETROLEUM INC.

PLAINS KNIGHT LEASE, WELL #2 LEA COUNTY, NEW MEXICO

Approval is requested for an exception to Rule 303-C to permit down-hole commingling of the Fowler (Upper Yeso), Fowler (Tubb, South), and Fowler (Abo) in the subject well.

The well is currently producing from the Fowler (Abo) with Upper Yeso and Tubb perfs isolated behind a Loc-Set packer.

Based on all available information, production fluids from these three reservoirs show no evidence of incompatibility; therefore, down-hole commingling is not expected to result in reservoir damage. Ownership in the three pools is common and correlative rights will not be violated.

Should secondary recovery operations become practical in the future, the three zones could be separated at such time without damaging either reservoir.

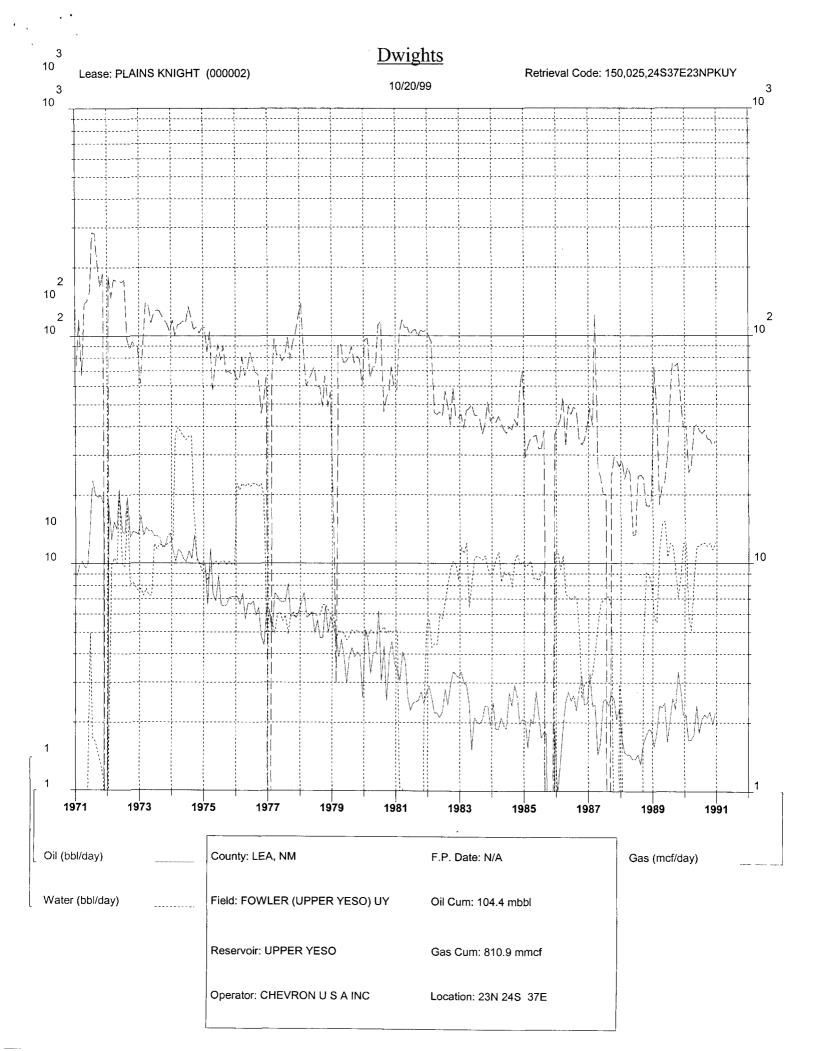
Offset operators have been notified of the intent to down-hole commingle the subject well by letter dated October 20, 1999.

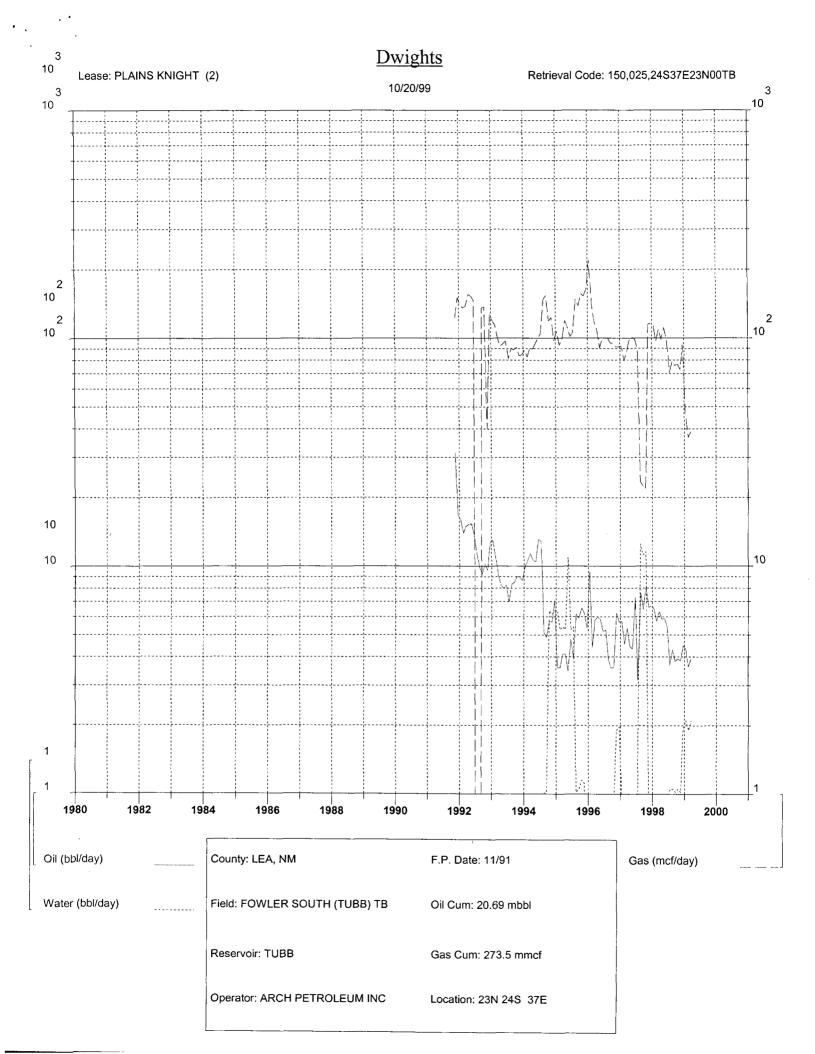
Robin S. McCarley
Production Technician

_					bore ID #				Printed:	8/18/99
ο Τ			660' FSL & 1830'		· (0 - T -	D > 00	040 075			,207.00
4			Sec,Blk,Sur(Lbr,L			,Rng): 23,	24S, 3/E		ill Depth:	400.00
1			County, State: Li		<u>-</u>					,498.00
]			Aux ID (API, etc.)		th - O To-	. KD				0,650.00
1,000			KB = 10; DF = ;	All Dep	ths Corr 10:	. KB	· · · · · · · · · · · · · · · · · · ·		BOP:	
-			Hole Size Diameter	Top At	Btm A	it Dat	e Drilled			
			17.5000	0.00	338.0					
2,000				338.00 987.00	3,987.0 10,650.0					
1	<u> </u>	G.		,507.00	10,000.0	<u> </u>				
			Surface Casing	<u> </u>	Diameter	18/2:	Candal	Lagadh	Date Ran:	
ا ممم			Description Casing	#	13.3750		Grade J55	Length 328.00		
000			Intermediate Ca	لـــــــــــــــــــــــــــــــــــــ	10.07.001	40.00			Date Ran:	· · · · · · · · · · · · · · · · · · ·
- 1			Description	#	Diameter		Grade	Length	Top A	t Btm At
}			Casing dv @ 967'	1 1	9.6250	36.00	J55	3,977.00	10.00	3,987.00
00 -		PER I	Production Casi	ina Stri	na 1				Date Ran:	10/1/53
}			Description		Diameter	Weight	Grade	Length		
1	-244 -14		Casing	1	7.0000			8,350.00	10.00	8,360.00
000			23 & 26 # N-80 8	. J-55 -	DV @ 6596	-				
1			Cement #Sx Cla	eel W	eight	I D	0 D	Top At	Btm At	TOC Per
1			400	-	13.3		7.500	0.00	338.00	Circ
}		26.0	1" to surface from	n 44 ft.						
00 -			1125 sx total incl	luding o			2.250	2,210.00	3,987.00	TS
-]		*	1725 SX TOTAL INCL	uding c			2.250	0.00	967.00	Circ
}			1125 sx total incl	uding c		ol @ 967'				
00							8.750	6,700.00	8,360.00	Est
٦,			825 sx total inclu	ding cm			8.750	2,970.00	6,596.00	TS
}	K.		825 sx total inclu	ding cm			3.730	2,070.001	0,000.001	
1	×	* ×	Perforations							
00 🕹	# I		Top Botte		Status	Opened	Close		Ttl #	Open Hole?
٦,			5,164.00 5,166	5.00	TAI	4/1/66	1/1/9	1		
]	* 1	× ×	LIVESO SIME IM	/ 3M #		-1/1/00				
1	×	×	U/YESO SWF W. 5,206.00 5,208		TA	4/1/66	1/1/9	1		
4	× ×	X	5,206.00 5,208 U/YESO SWF W	3.00 // 3M #	ТА	4/1/66				
1	X	×	5,206.00 5,208 <i>U/YESO SWF W.</i> 5,264.00 5,266	3.00 // 3M # 5.00			1/1/9			
1	X	×	5,206.00 5,208 <i>U/YESO SWF W.</i> 5,264.00 5,266 <i>U/YESO SWF W.</i>	3.00 // 3M # 5.00 // 3M #	TA TA	4/1/66 4/1/66	1/1/9	1		
1	×	×	5,206.00 5,208 <i>U/YESO SWF W.</i> 5,264.00 5,266	3.00 73M # 5.00 73M # 2.00 72 73 74 75 75 75 75 75 75 75	ТА	4/1/66		1		
000	X	×	5,206.00 5,208 U/YESO SWF W. 5,264.00 5,266 U/YESO SWF W. 5,290.00 5,362 U/ YESO sq w/ 6 5,362.00 5,380	3.00 3 <i>M</i> # 5.00 7 3 <i>M</i> # 2.00 7 25 sx 0.00 7 300 7	TA TA	4/1/66 4/1/66	1/1/9	0		
000	X	*	5,206.00 5,208 U/YESO SWF W. 5,264.00 5,266 U/YESO SWF W. 5,290.00 5,362 U/ YESO sq W/ 6 5,362.00 5,380 U/ YESO sq W/ 6	3.00 3M # 5.00 73M # 2.00 225 sx 5.00 225 sx	TA TA PA PA	4/1/66 4/1/66 1/1/54	1/1/9 4/1/6 4/1/6	0		
000	X	*	5,206.00 5,208 U/YESO SWF W. 5,264.00 5,266 U/YESO SWF W. 5,290.00 5,362 U/ YESO sq W/ 6 5,362.00 5,380 U/ YESO sq W/ 6 5,370.00 5,374	3.00 3M # 5.00 25 sx 1.00 25 sx 1.00 3 sx 1.00	TA TA PA PA TA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60	1/1/9 4/1/6 4/1/6 1/1/9	0		
00	X	THE ACTION OF TH	5,206.00 5,208 U/YESO SWF W. 5,264.00 5,266 U/YESO SWF W. 5,290.00 5,362 U/ YESO sq W/ 6 5,362.00 5,380 U/ YESO sq W/ 6	3.00 73M # 5.00 725 sx 0.00 725 sx 4.00 725 sx 0.00 725 sx 0.0	TA TA PA PA TA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60	1/1/9 4/1/6 4/1/6 1/1/9	0 0 1		
000	X	*	5,206.00	3.00 73M # 3.00 73M # 2.00 725 sx 3.00 725 sx 4.00	TA TA PA PA TA PA PA PA PA PA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # / N 4 1/1/54	1/1/9 4/1/6 4/1/6 1/1/9 STGS 4/1/6	0 0 1		
000	X		5,206.00	3.00 7.3M # 5.00 7.3M # 2.00 7.25 sx 1.00 7	TA TA PA PA TA PA TA PA TA P-5590 W 3 PA TA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # I N 4 1/1/54	1/1/9 4/1/6 4/1/6 1/1/9 STGS	0 0 1		
000	X		5,206.00	3.00 7.3M # 5.00 7.3M # 2.00 7.25 sx 1.00 7	TA TA PA PA TA PA TA P-5590 W/3 PA TA LECTIVELY	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # I N 4 1/1/54	1/1/9 4/1/6 4/1/6 1/1/9 STGS 4/1/6	1] 0] 0] 1] 0]		
000	X		5,206.00	3.00 7.3M # 5.00 7.3M # 2.00 7.3M # 2.00 7.25 sx 4.00 7.25 sx 4.00 7.25 sx 7.00 7.	TA TA PA PA TA PA TA P-5590 W 3 PA TA LECTIVELY	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # I N 4 1/1/54 4/1/60	1/1/9 4/1/6 4/1/6 1/1/9 STGS 4/1/6	1] 0] 0] 1] 0]		
000	X	The state of the s	5,206.00	3.00 7.3M # 5.00 7.3M # 2.00 7.3M # 2.00 7.25 sx 4.00 7.25 sx 4.00 7.00	TA PA PA TA PA TA P-5590 W 3 PA TA LECTIVELY PA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # / N 4 1/1/54 4/1/60 / 4/1/60	1/1/9 4/1/6 4/1/6 1/1/9 STGS 4/1/6	1] 0] 0] 1] 0] 1]		
,000 -	X		5,206.00	3.00 7.3M # 5.00 7.3M # 2.00 7.3M # 2.00 7.25 sx 4.00 7.3M 7.00	TA PA PA TA PA TA P-5590 W 3 PA TA LECTIVELY PA	4/1/66 4/1/66 1/1/54 1/1/54 4/1/60 6M # / N 4 1/1/54 4/1/60 / 4/1/60	1/1/9 4/1/6 4/1/6 1/1/9 STGS 4/1/6 1/1/9	1] 0] 0] 1] 0] 1]		

Wellbore Schematic

NS KNIGHT # 002		Wel	lbore Il) #: A700	027		Printed:	8/18/99
	5,578.00 5,59	00.00	TA	4/1/60	1/1/9	01		
	U/YESO swf w/	2M# SE	LECTIVE	LY				
	5,847.00 6,04	7.00	TA	1/1/91	7/1/9	9	T	
	TUBB ACD 584	8-6145	W/ 5M, A	CD W/ 15M 2	28%			
	6,074.00 6,14	5.00	T/	1/1/91	7/1/9	9		
	TUBB ACD W/	3000 - D	ID NOT I	REPERF				
	6,075.00 6,14	5.00	T/	1/1/54	1/1/5	54		
	TUBB acd w/ 15	00, acd	w/ 3000					
	6,180.00 6,25	50.00	P/	1/1/54	1/1/5	54		
	TUBB acd w/ 15	00, sq ı	w/ 75 sx					
	6,307.00 6,99	96.00	_ <i>F</i>	7/17/99			2 74	
	ABO - 9 SELEC		ACD W/	1000 W/ BAI				
	7,700.00 7,72	25.00	P/	1/1/54	1/1/5	54		
	acd w/ 3000							
		35.00	P/	1/1/54	1/1/5	54		
	acd w/ 3000							
	8,190.00 8,30	00.00	P/	1/1/54	1/1/5	54		
	acd w/ 3000							
	Wellbore Plugs	and lu	ınk					
		Bottom		Ту	oe D	iameter	Solid	Date
	6,498.00	6,501.0	0	CIE		7.000	Yes	7/17/99
	8,120.00	8,140.0	0	Cr	nt	7.000	Yes	1/1/54
	8,120.00	8,140.0	0	Cr	nt	7.000	Yes	1/1/54
	8,140.00	8,141.0	0	CIE	P	7.000	Yes	1/1/54
	8,140.00	8,141.0	0	CIE	P	7.000	Yes	1/1/54
	8,320.00	8,360.0	0	Cr	nt	7.000	Yes	1/1/54
	Shoe jt							
	8,360.00	8,500.0	0	Cr	nt	8.750	Yes	1/1/54
		9,550.0	0	Cr		8.750	Yes	1/1/54
	10,475.00	10,600.	00	Cr	nt	8.750	Yes	1/1/54
	Rod String 1						Date Ran	n: 7/22/99
	Description	#	Diame	er Rod Box	Grade	Leng		
	Pol Rd	1	1.25			26.		
	Rod Sect 1	2	0.87		D	12.0		
	Rod Sect 2	59	0.87		D	1,475.	00 38.0	00 1,513.00
	Rod Sect 3	178	0.75		D	4,450.	00 1,513.0	5,963.00
	Rod Sect 4	10	0.87		D	250.0		
	Pump	1	1.50			24.0		
	Gas Anchor	1	1.00	00		20.0	00 6,237.0	00 6,257.00
	Tubing String 1						Date Ran	a: 7/22/99
	Description	#	Diame	er Weight	Grade	Leng		
	Tbg Sect 1	200	2.37			6,211.0		
	Stg Nipple	1	2.37		J55	1.6	00 6,221.0	
	Prf Nipple	1	2.37			4.0	00 6,222.0	6,226.00
	Mud Anchor	1	2.87	50 6.40	N80	31.	6,226.0	





PLAINS KNIGHT LEASE, WELL #2

Fowler (Abo)

This zone has only produced since 07/23/99. Production for July and August are as follows:

	<u>OIL</u>	<u>GAS</u>	<u>Water</u>
Jul-99	51	44	662
Aug-66	156	221	1180

District I PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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

		WF	ELL LO	CATION	AND A	CRE	EAGE DEDICA	ATION PLA	T		
	API Number 1-025-1120			₂Pool Code 26680			ler; Upper Yeso	₃Pool Nan			
₄Property C 14923	i	Plains Kr	night		5Prope	erty Na	ame			εV	/ell Number
70GRID 00096		Arch Pet	troleum Inc		вОрег	rator N	lame				Elevation 3207
					₀Surfac	e Lo	ocation				
UL or lot no.	Section 23	Township 24S	Range 37E	Lot Idn	Feet from		North/South line South	Feet from the 1830	East/W	est Line est	County Lea
		_ 	11Bottc	m Hole I	Location	If E	Different From	յ Surface	<u> </u>		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/W	est Line	County
12Dedicated A 40.00	.cres 13Joi	int or Infill	14Consolidat	tion Code	₁₅Order No.	1	<u>_</u>		<u> </u>		
NO ALLOV	VABLE V						ON UNTIL ALL IN			EN CON	ISOLIDATED
16								Signature Robin S. M Printed Name Production Title 10-20-99 Date	McCarley	est of my kr	IFICATION Intained herein is towledge and belief
	<i>)</i> -							I hereby certify was plotted fror or under my su correct to the be	that the wei in field notes pervision, ai est of my be	ll location sh s of actual s nd that the s elief.	nown on this plat urveys made by me same is true and
<	– 1830 °	•(-,09) -						Signature and		fessional S	urveyer:

District I PO Box 1980, Hobbs, NM 88241-1980

District II 811 South First, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe NM 87505

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

				J	anta i e,	1414	W 07 303			AMEN	NDED REPORT
		WI	ELL LO		AND AC	RE	AGE DEDIC				
	API Number -025-1120	18		₂Pool Code 26635	F	Fowl	ler; Tubb South	₃Pool Nar	ne		
₄Property C 14923		Plains K	night	- 	₅Proper	rty Na	ame			еV	Vell Number 2
70GRID 00096		Arch Pet	troleum Inc		8Opera	itor Na	lame		, , , , , , , , , , , , , , , , , , ,	1	₃Elevation 3207
					₀Surface	e Lo	ocation				
UL or lot no.	Section 23	Township 24S	Range 37E	Lot Idn	Feet from th	he	North/South line South	Feet from the 1830	East/We	est Line	County Lea
				m Hole I	L	—⊥ If ℂ	Different From				Lou
UL or lot no.	Section	Township		Lot Idn	Feet from th		North/South line	Feet from the	East/W	est Line	County
12Dedicated Ac	cres 13Joi	int or Infill	14Consolidati	on Code	15Order No.						
NO ALLOW	VABLE V						ON UNTIL ALL II			EN CON	ISOLIDATED
								Signature Robin S. M Printed Name Production Title 10-20-99 Date 18 SURVE I hereby certify was plotted froi	McCarley Tech. Tech.	CERT	IFICATION hown on this plat howne is true and
[1	830' ——	*,3			·			Certificate Nu	mber		

District I PO Box 1980, Hobbs, NM 88241-1980

District II 811 South First, Artesia, NM 88210

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

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

									L	AMEN	NDED REPORT
	API Number 0-025-1120		LL LO	Pool Code 96455	e		EAGE DEDICA	Pool Nam			
4Property (1492	Code	Plains Kni	night			perty Na			7	6 V	Well Number
70GRID 00096	No.		roleum Inc	C.	₃Oper	erator N	lame				₃Elevation 3207
					₀Surfac	e L	.ocation				
UL or lot no.	Section 23	Township 24S	Range 37E	Lot Idn	Feet from 660	[North/South line South	Feet from the 1830	East/We	est Line	County Lea
	<u></u>		"Botto	m Hole	Location	ı lf [Different From	า Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/W/	est Line	County
12Dedicated A			14Consolidati		15Order No.		<u></u>			l	,
NO ALLOV	NABLE W						ON UNTIL ALL IN			EN CON	SOLIDATED
16								Signature Robin S. M Printed Name Production Title 10-20-99 Date 18 SURVE I hereby certify the was plotted from	McCarley Tech. Tech That the well im field notes upervision, and pest of my bed	CERTI A. 1978 CERTI All location st is of actual s and that the s elief.	TIFICATION ontained herein is smowledge and belief TIFICATION shown on this plat surveys made by me same is true and
	- 1830'	3						Certificate Nun	ımber		

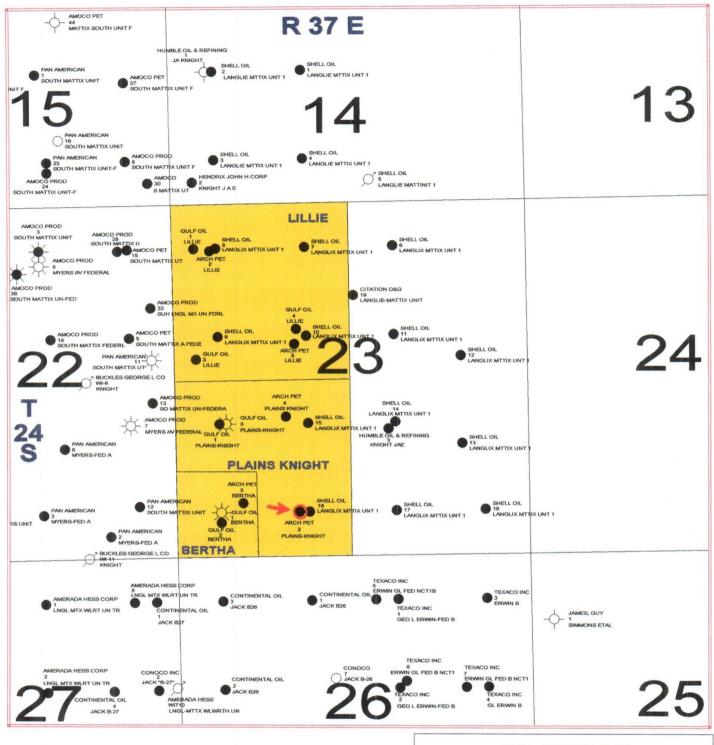


EXHIBIT "A"

LEGEND

Arch Operated Leasehold

Plains Knight #2

ARCH PETROLEUM

FOWLER PROSPECT Lea County, New Mexico

LNDMN: G. LANG		10/21/1999
ECH: T. RODRIQUEZ	Scale 1:17272.58	LANDDLLR.GPF

EXHIBIT 1

OFFSET OPERATORS

DHC – PLAINS KNIGHT LEASE, WELL #2 Unit N, Section 23, T24S, R37E Lea County, New Mexico

Arch Petroleum Inc. 300 N. Marienfeld, Suite 600 Midland, Texas 79701

Conoco, Inc. Attn: Reesa Wilkes 10 Desta Drive, Suite 100W Midland, Texas 79705

Altura Energy, LTD. Box 4294 Houston, Texas 77210-4294

Texas E & P Inc. 4601 DTC Boulevard Denver, CO 80237-2549

Exxon Company, U.S.A. Box 2180 Houston, TX 77252