DHC 7/29/98

0068



CONCERVATION DIVISION

## 2000 POST OAK BOULEVARD / SUITE 100 / HOUSTON, TEXAS 77056-4400

July 6, 1998

(713) 296-6000

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

Re: Application to Downhole Commingle

Owen "B" #6

**Eunice North (BTD) Field** 

Lea County, NM

Unit K, Sec. 34, T21S, R37E



Please find enclosed an application to downhole commingle the Owen "B" #6 well. The following is attached:

- 1) Form C-107A
- 2) Offset Operators
- 3) C-102 (Wantz Abo)
- 4) C-102 (Drinkard)
- 5) #7 from C-107A, New Zones:

Anticipated rates determined by offset production curves (attached):

Tubb:

250 MCF, 1 BBL

Drinkard: 100 MCF, 1 BBL

- 6) Production Data (Abo)
- 7) #9 from C-107A: Actual production allocation will be determined by actual well test.

If you have any questions or need additional information, please feel free to contact me at (713) 296-7152.

Sincerely,

APACHE CORPORATION

eborah K. No.

Deborah K. Hoyt

**Engineering Technician** 

dkh

cc: State of New Mexico P.O. Box 1980 Hobbs, NM 88240

#### EXHIBIT "B" - CASE NO. 11353, ORDER NO. R-10470-A

DISTRICT.I P.O. Box 1980, Hobbs, NM 88240 DISTRICT.II P.O. Drawer DD, Artesia, NM 88210 DISTRICT.III 1000 Rio Brazos Rd., Aztec, NM 87410	Energy, Minerals and N OIL CONSER 2040	f New Mexico latural Resources Department RVATION DIVISION S. Pacheco Mexico 87505-6429	Form C-107A New 3-12-96 APPROVAL PROCESS:  Administrative Hearing EXISTING WELLBORE  Yes  \( \begin{array}{c} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	APPLICATION FOR DOV	WNHOLE COMMINGLE	
APACHE CORPORATION	2000 Post (	Oak Blvd. Ste. 100, Houston, T	X 77056
Operator	Address		
OWEN "B" 6 Lease Well No.	K-Sec 34-T		County
OGRID NO. 873 Property Code		Spacing Unit Lease	Types: (one or more) ederal State Fee
The following facts are submitted in	Upper	Intermediate	Lower
support of downhole commingling:	Zone	Zones	Zone
Pool Name and     Pool Code	TUBB/19190	DRINKARD/19190	WANTZ ABO/62700
2. Top and Bottom of Pay	1.411	DI (INTO CENTO TO CENTO	WATTE ABOJOETOS
Section (Perforations)	86440		6708'-7264'
3. Type of production	0	0.40	0"
(Oil or Gas) 4. Method of Production	GAS	GAS	OIL
(Flowing or Artificial Lift)	A.L.	A.L	A.L.
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artifical Lift:			
Estimated Current	600	600	2100
Gas & Oil - Flowing; Measured Current	b. (Original)	b.	b.
All Gas Zones:	D. (Original)	J <sup>o.</sup>	J
Estimated or Measured Original	2180	2660	_ 2825
6. Oil Gravity (°API) or			
Gas BTU Content	1330	1310	35.1
7. Producting or Shut-In? Production Marginal? (Yes or No.)	BP NO	BP NO	PRODUCING NO
" If Shut-In, give date and oil/gas/	Date:	Date:	Date:
water rates of last production	Rates:	Rates:	Rates:
Note: For new zones with no			
production history, applicant shall be			
required to attach production			1
estimates and supporting data  of the producing, give date and oil/gas/	Date:	Date:	Date: 6/24/98
water rates of recent test	Rates:	Rates:	Rates: 8 BBL
(within 80 days)	ļ ·		150 MCF
8. Fixed Percentage Allocation	Oil: Gas:	Oil: Gas:	Oil: Gas:
Formula - % for each zone	10% 50%	10% 20%	80% 30%
10. Are all working, overriding, and roys if not, have all working, overriding, a Have all offset operators been giver 11. Will cross-flow occur?  ☐ Yes ☐ flowed production be recovered, an 12. Are all produced fluids from all commodities of the second of the second of the second of Land Management has be sureau of Land Management has be 15. NMOCD Reference Cases for Rule 16. ATTACHMENTS:  C-102 for each zone to be Production curve for each For zones with no produce Data to support allocation  Notification list of all offse Notification list of working	data and/or explaining method alty interests identical in all con and royalty interests been notify interests been notify with a seen notify and the seen notify of the proposed with the allocation formula be mingled zones compatible with eased by commingling? It is that the or federal lands, eith, state o	d and providing rate projections or other miningled zones? fixed by certified mail? d downhole commingling? atible, will the formations not be dame reliable. Yes No (if N each other? Yes No (if N each other? Yes No (if Yes, attach explanater the Commissioner of Public Lands pplication. Yes No (RDER NO(S)).  cing unit and acreage dedication. If not available, attach explanation.) tion rates and supporting data.	her required data.  Yes No Yes No Yes No aged, will any cross- to, attach explanation)
I hereby certify the the information above SIGNATURE TYPE OR PRINT NAME DEBORAH K.	_ Killow TITLE	best of my knowledge and belief.  ENGINEERING TECHNICIAN  TELEPHONE NO.	DATE 7/6/98 713-296-7152



(713) 296-6000

July 6, 1998

#### **OFFSET OPERATORS**

(See Attached List)

Re: Downhole Commingle Application

Owen "B" #6

**Eunice North (BTD) Field** 

Lea County, NM

Unit K, Sec. 34, T21S, R37E

Offset Operators:

Please find attached an application that Apache Corporation has applied for with the State of New Mexico OCD to downhole commingle the Tubb/Drinkard/Abo formations for the Owen "B" #6. Notify the OCD in Santa Fe within 20 days if you object to this commingle.

If you have any questions regarding this application, please contact the Production Engineer, Bruce West at (713) 296-7127.

Sincerely,

**APACHE CORPORATION** 

Deborah K. Hoyt

Engineering Technician

dkh

cc: State of New Mexico

2040 S. Pacheco

Santa Fe, NM 87505-6429

# OFFSET OPERATORS OWEN "B" #6 Unit K, Sec. 34, T21S, R37E

July 6, 1998

Titan Resources 500 W. Texas, Ste. 500 Midland, TX 79701 Attn: Production Dept.

Mobil Exploration & Production Box 633 500 W. Illinois Midland, TX 79702 Attn: Production Dept.

John H. Hendrix Corporation Box 3040 110 N. Marienfeld, Ste. 400 Midland, TX 79701 Attn: Production Dept.

Exxon Company U.S.A. Box 1600 Midland, TX 79702 Attn: Production Dept.

Chevron U.S.A. Production Company Box 1635 Houston, TX 77251 Attn: Production Dept.

Shell Exploration & Production Box 576 Houston, TX 77001 Attn: Production Dept.

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District I
P. O. Box 1980, Hobbs, NM 88241-1980
District II
P. O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

						ı				AM	ENDED REPORT
APPLICA	ATION F	OR PE				ITER, DEI	EPEN,	PLUGI	BACK,	OR	ADD A ZONE
Apache C	ornoration		' Op	erator Nam	e and Address.				. [	•	OGRID Number
C/O J. O.	-								Ì		<sup>3</sup> API Number
P. O. Box	•		M 88211	-0245						30-0	25-3432)
<sup>4</sup> Proper	ty Code		Property Name Well No.								
22	379		Owen "B."								
		<sup>7</sup> Surface Location									
UL or lot no.	Section	Township 21S	Range 37E	Lot Iden	Feet from the 1980	North/South Li	1	t from the 2180	East/We		County
K	34			Potton		South tion If Diffe			We	est	Lea
UL or lot no.			Toposeu	Botton	I Hole Loca	mon ii Dine	erent F	OIII Sui i	ace		<u> </u>
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	Wantz		Wash (62	<del></del>				Wantz A	<u> </u>	700)	
11 Work 7		'	<sup>2</sup> Well Type C	ode	i .	Rotary	[4	Lease Type (	Code	15 (	Ground Level Elevation
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IVIL	upie	i	7600'	pui .		/ash / Abo		Contracto	•		ASAP
			21	Propos	sed Casing a	and Cement	Progra	ım	<u>,</u>	· · · · · · ·	······································
Hole si		Casin	g Size	Casing	g weight/foot	Setting D	epth	Sack	s of Cement		Estimated TOC
12 1/4	<del></del>	9 5			# K-55	1225	<del></del>	500 sxs PBCZ		circulate to surf.	
7 7/8	"	5 !	<u>/2"</u>	17	# K-55	7600	)'	<del></del>	s Hal.L		circulate to surf.'
								}	sxs 50/	50	
		<del></del>			<del></del>			<del> </del>	POZ		
								<del> </del>			
22 Describe the	proposed progr	ram. If this a	pplication is to	DEEPEN	or PLUG BACK	give the data on th	ne present p	productive zo	ne and prop	osed ne	w productive zone.
Describe the blo	wout preventi	on program,	if any. Use ad	ditional she	ets if necessary.						
			·-		et 1225' of 5 1/2" and ce	9 5/8" and c	-				
QIIII / //8	noie to	7000, Iu	n ∝ sei /	000 01	3 % and ce	ment.					rom Approvat
Blow Out	Preventic	n: See	attached o	conv			D	ate Uni	ess Da	ling	Undervay
Dion out	1 1 0 1 011111			СРУ							
							i.				
<sup>23</sup> I hereby certif my knowledge a		rmation give	n above is true	and comple	ate to the best of	(	OIL CO	NSERV	ATION	1 DI	VISION
Signature:		2 -R	m ala			Approved by	INAL S	IGNED BY	/ CHRIS	WILL	IAMS
Printed name: N	Aichael R. Bur	rch, CPL				Approved by IIGINAL SIGNED BY CHRIS WILLIAMS  Title: DISTRICT I SUPERVISOR					-
Title: Agent fo	r Apache Corp	oration		<del> </del>		Approval Date:	6 4/ 1	85	Expira	tion Da	te:
Date: 2-27-98			Phone: 505-	746-1070		Conditions of A	pproval:				
						Attached					<b>i</b> i

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

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

\*\*\*\*

Certificate No. HOMAND L-EIDSON.

3239 12641 12185

State Lesse — 4 Copies
Fee Lesse — 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 68211-0719

DISTRICT III

# OIL CONSERVATION DIVISION P.O. Box 2088

300 Rio Brazos R	i., Aztec, N	M 87410				Box 2				
tomptom TV				Santa F	e, New	Mexic	eo 87504-2088		re Wash/Wantz Apo  Well Number  Elevation 3429  t from the East/West line Con 2180 WEST LE	REPORT
STRICT IV . Box 2068, Santı	Fe. NM 876	04-2088	•							
		7	WELL LO	CATION	AND	ACREA	GE DEDICATION	ON PLAT		
API :	Number			Pool Code	_		,775	Pool Name		*
30-0	25- 3	4321	67730	1627	90		Wantz G	ranite Wash/V	Vantz Alao	
Property C	ode	•			-	erty Nam	ie		Well Num	ber
ススを	379				- OWE		u. B.			
ogrid no 873	٠.	[		۸D	-	ator Nam	PRATION			n.
		ļ		APA					3429	
					Surfa	ce Loc	ation	····		
UL or lot No.	Section	Township	Range	Lot Idn	i	om the	North/South line	Feet from the	East/West line	County
K	34	21 S	37 E		19	80	SOUTH	2180	WEST	LEA
			Bottom	Hole Loc	cation	If Diffe	erent From Sur	face		
L or lot No.	Section	Township	Range	Lot Idn	Feet fr	om the	North/South line	Feet from the	East/West line	County
Ì					]					
Dedicated Agree	Joint o	r Infill Co	nsolidation	Code Or	der No.				*	<b>^</b>
10	1									
								I hereb	ny certify the the in n is true and comp	formation
<u></u>	+         					— <del> </del> -	<u>-</u>	PrintedANgas	Ift for Apache	
	-2180'	~~~~~ ?	<b>△</b>	7				I hereby certify on this plat w actual surveys supervison as	y that the well locat as plotted from fiel made by me or ad that the same is	ion shown i notes o under m true an
	<del>-</del> <del>-</del> <del>-</del> 1	A		\ 		-+-		Date Survey	Seal of	)8 

District I

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

811 South First, Artesia, NM 88210

District III

State of New Mexico Energy, Minerals & Natural Resources Department

> OIL CONSERVATION DIVISION 2040 South Pacheco

Form C-101 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 6 Copies

1000 Rio Brazos R	d., Aztec, NM 87410 Santa Fe, NM 87505 Fee Lease - 5 C							Fee Lease - 5 Copies			
District IV								•	AMENDED REPORT		
2040 South Pache	co, Santa Fe,	NM 87505									
	ΔΡΡΙ	ICATION I	FOR P	ERMIT TO	DRILL. RE-	ENTER. DEEP	EN. PLUGI	BACK, OR ADE	A ZONE		
	<del>,,,,</del>	1 Operator Na							2 OGRID Number		
Apache Co	rporation	า							873		
2000 Post						•			3 API Number		
					•			•	20 005 24224		
Houston, T	exas //	056-4400			5 Property Name			<del></del>	30-025-34321 6 Well No.		
22879		<u>L</u>		Owen "B"	7 04				6		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	ICE Location  North/South Line	Feet from the	East/West Line	County		
			, ,		40001	045	04001	10/0-4			
K	34	215	37E	nosed Bott	1980'	South cation If Diffe	2180'	West	Lea		
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South Line	Feet from the	East/West Line	County		
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		9 Propos	ed Pool 1	L	<u> </u>			10 Proposed Pool 2	<u> </u>		
5" I #						Ì	<b>5</b> 11 1 (	0040			
Blinebry/Tu	ipp/Drink	kard			/	L	Paddock (4	9210)			
11 Work Ty	oe Code	12 Well Typ	e Code	13 Cab	le/Rotary	14 Lease Ty	pa Code	15 Gro	ound Level Elevation		
N		0		R		P		3429'			
16 Mult	iple		Proposed		18 f	ormation	19	Contractor	20 Spud Date		
		ļ ·	7600'						3/31/98		
<u> </u>	·	<u> </u>	7000	21 Prop	osed Casir	ng and Cemen	t Program		3/3/1/30		
Hole S	ize	Casing	Size	Casing v	velght/foot	Setting I		Sacks of Cement	Estimated TOC		
12-1/4" 7-7/8"		9-5/8" 5-1/2"	-	36#, K-55 17#, K-55		1225'   500 sxs   7600'   300 sxs			Circ. To surf.		
1-110		3-1/2		17#, 13-33		7600		300 sxs	Circ. To surf.		
		<del> </del>		1							
						e data on the present (	productive zone a	nd proposed new			
productive zone.	Describe the	e blowout preve	ntion prog	ram, if any. Use a	idditional sheets if	f necessary.		•			
ı											
Currently p	roducing	in the Wa	ıntz Ab	o. Propose	to move up	hole to the Pa	ddock and <u>H</u>	3linebry/fubb/D	rinkard.		
Applying fo	r a Perm	nit to Down	hole C	ommingle a	ind Surface	Commingle.	P	Ring K	ry DOG		
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<u>.</u>	ate in	and the		Lingerwa	Ĭ	•					
		Ph	eob	ack,							
		ئے .	7								
23 I hereby certif			above is tr	ue and complete	<del></del>						
to the best of my	knowledge a	na bellef.	L	11 -4				L CONSERVAT			
Signature:	July	nah	_ K.	K $oU$		ļ	OR Approved by:	IGINAL SIGNE	D BY CHRIS WILLIAMS		
Drinted Name:	Deborat	K Hoyt		——————————————————————————————————————				— Histiici	1 SUCERTIBUTE		
Printed Name:		K. Hoyt					Title:		<del></del>		
Title:	Enginee	ring Techr	nician	(713) 296-7	152		Approval@ate:	1 7 1998	Expiration Date:		

DISTRICT 1 . P.O. Box 1980, Hobbs, NM 88241-1980

### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

[] AMENDED REPORT

DISTRICT IV

DISTRICT IV P.O. Box 2088, Santa	Fe. NM 879		weil Lo	CATION	AND ACREA	AGE DEDICATI	דעוק מט	<del>-</del>	
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Area : 205 MIDLAND Field : EUNICE AREA Reservoir : Not on file Well : OWEN /B/ #6;ABO

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\*\*\*\*\* END OF REPORT \*\*\*\*\*

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