DISTRICT I

1625 N. French Drive, Hobbs, NM 88240 DISTRICT II P.O. Drawer DD, Artesia, NM 88210 **DISTRICT III** 1000 Rio Brazos Rd., Aztec, NM 87410

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

🗹 Yes 🗌 No

	APPLICATION FOR DOW	/NHOLE COMMINGLE	
Apache Corporation	2000 Post Oak Blvc	I., Suite 100, Houston, Texas 77056-4400)
Operator	Address		
Turner 20) Unit P / Sec. 22 / T2	1S / R37E	Lea
Lease Well No.	Unit LtrSec-Twp-Rg	n	County
		Spacing Unit Lease Type	
OGRID NO. 000873 Property Code	22880 API No.	30-025-34592	State Fee
The following facts are submitted in		Intermediate	Lower
support of downhole commingling:	Zone	Zones	Zone
Pool Name and		20100	
Pool Code	Paddock (49210)		Wantz ABO (62700)
2. Top and Bottom of Pay			
Section (Perforations)	5057' - 5326'		6989' - 7274'
3. Type of production			
(Oil or Gas)	Oil		Oil
4. Method of Production			
(Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artifical Lift:			
Estimated Current	1300		1500
Gas & Oil - Flowing:			
Measured Current	b. (Original)	b.	b.
All Gas Zones:			
Estimated or Measured Original			
Oil Gravity (°API) or			
Gas BTU Content	35.1		34.4
7. Producing or Shut-In?	Producing		Shut-In
Production Marginal? (Yes or No)	Yes		Yes
° If Shut-In, give date and oil/gas/	Date:	Date:	Date: 5/27/9
water rates of last production	Rates:	Rates:	Rates: 37x239x
Note: For new zones with no			
production history, applicant shall be			
required to attach production			
estimates and supporting data			
If Producing, give date and oil/gas/	Date: 6/13/99		Date:
water rates of recent test	Rates: 30x92x121	Rates:	Rates:
(within 80 days)			
8. Fixed Percentage Allocation	Oil: Gas:	Oil: Gas:	Oil: Gas:
Formula - % for each zone	47% 31%	% %	53% 69%

9. If allocation formula is based upon something other than current or past production, or is based upon some other method. submit attachments with supporting data and / or explaining method and providing rate projections or other required data.

10. Are all working, overriding and royalty interests identical in all commingled zones? If not, have all working, overriding and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling? Will cross-flow occur?

🗹 Yes	🗌 No
🗌 Yes	🗌 No
🗹 Yes	🗌 No

If yes, are fluids compatible, will the formations be undamaged, will any cross-on formula be reliable. 11. Will cross-flow occur?

flow production be recovered and will the allocation formula be reliable. (If No, attach explanation) 🗹 Yes 🗌 No

12. Are all produced fluids from all commingled zones compatible with each other?

🗸 No 13. Will the value of production be decreased by commingling? 🗌 Yes (If Yes, attach explanation)

If this well is on or communitized with state or federal lands, either the Commissioner of Public Lands or the United States 14. Bureau of Land Management has been notified in writing of this application. 🗌 Yes 🗌 No 15. NMOCD Reference Cases for Rule 303(C) Exceptions: Order No.s

16. ATTACHMENTS:

° C-102 for each zone to be commingled showing its spacing unit and acreage dedication.

* Production curve for each zone for at least one year. (If not available, attach explanation.)

* For zones with no production history, estimated production rates and supporting data.

- * Data to support allocation method or formula.
- * Notification list of all offset operators.

* Notification list of working, overriding, and royalty interests for uncommon interest cases.

* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Potos Andersex	TITLE Senior Engineering Technician	DATE 06/15/99
TYPE OR PRINT NAME Degra J. Anderson	TELEPHONE NO.	713-296-6338

Form C-107A New 3-12-96

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

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

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 and Natural Resources Departmen

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

□ AMENDED REPORT

Pool Name Pool Code API Number Paddock 49210 30-025-34592 Property Code Property Name Well Number TURNER 20 22880 **Operator** Name OGRID No. Elevation 000873 APACHE CORPORATION 3400 Surface Location Lot Idn Feet from the North/South line Feet from the East/West line UL or lot No. Section Township Range County Ρ 22 21 S 37 E 330 SOUTH 730 FAST LEA Bottom Hole Location If Different From Surface UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Joint or Infill **Consolidation** Code Order No. Dedicated Acres 40 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION **OPERATOR CERTIFICATION** I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Ø)140 Signature Debra J. Anderson Printed Name Sr. Engineering Tech. Title 06/14/99 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. MARCH 16, 1999 Date Sugary JLP A R Seaf Sign *'*@ asional verzo ഹ NAD 27 NME Y=532355.10 N X=866786.92 E 99 0203 Cellificate No. rf d 730 EIDSON. 3239 Intrational intervention EIDSON. 12641 230 MCDONALD, 12185



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

(713) 296-6000

June 15, 1999

Attn: David Catanach State of New Mexico – Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico 87505

JUN 1 8 1999 这种意思的问题。

Re: Application to Downhole Commingle Turner No. 20 Paddock Pool (49210) and Wantz ABO Pool (62700) Lea County, New Mexico

Apache Corporation would like to request administrative approval to downhole commingle the referenced pools in the Turner # 20 well.

To support this request we submit the following:

- 1) New Mexico OCD Form C-107A
- 2) New Mexico OCD Form C-102 for Paddock Pool
- 3) New Mexico OCD Form C-102 for Wantz ABO Pool
- 4) Production Curve for Turner # 18 in the Paddock Pool
- 5) Production Curve for Turner # 08 in the Wantz ABO Pool
- 6) Well Test for Turner # 20 from both pools and Allocation formula
- 7) Copy of letter sent (by Certified Mail) to Offset operators within one-half mile of Turner # 20

8) Map of location with one-half mile radius marked

If you have any questions or require additional information regarding this application, please contact me at 713-296-6338. Thank you.

Sincerely,

APACHE CORPORATION arsol Vp 'V

Debra J. Anderson Sr. Engineering Technician

Attachments

DISTRICT I

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

DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719

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

DISTRICT IV P.O. Box 2086, Santa Fe, NM 87504-2088

API Number

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

Pool Name

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OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

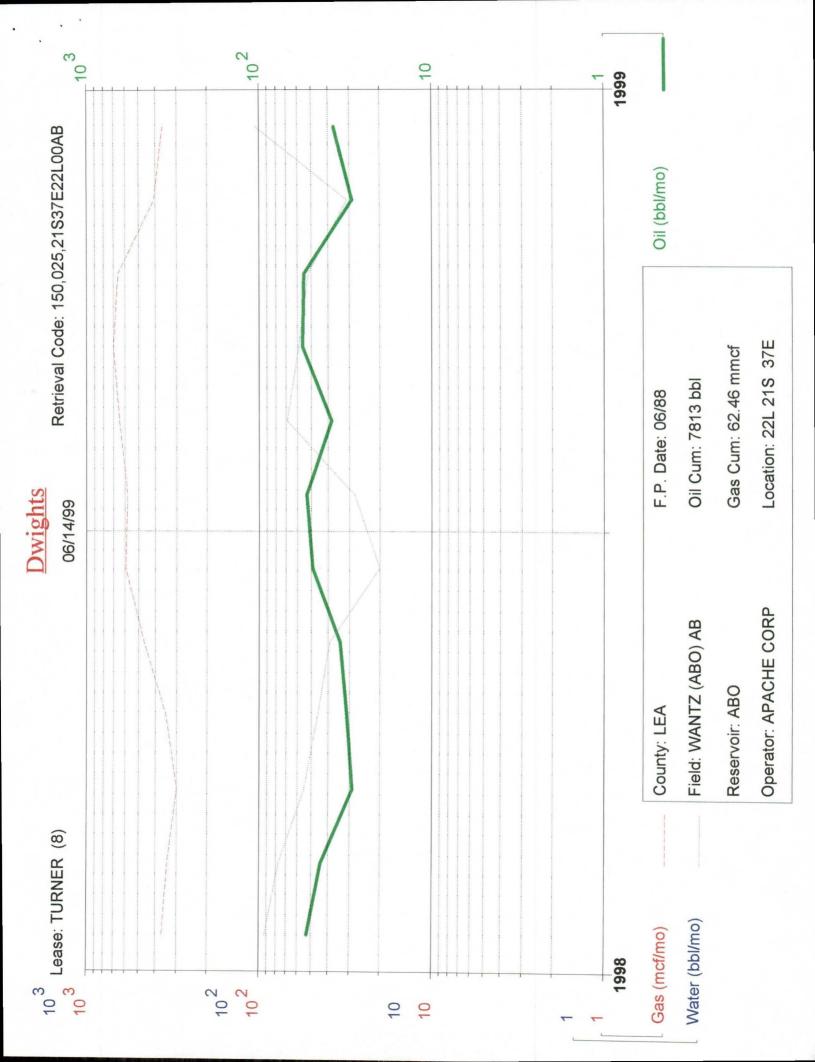
□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

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Wantz ABO Pool (62700)

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DATE	OIL	GAS	WATER	
05/11/99	18	24	240	
05/12/99	13	10	55	
05/13/99	22	122	3	
05/14/99	23	138	0	
05/15/99	22	140	0	
05/16/99	22	138	0	
05/17/99	20	148	5	
05/18/99	12	135	10	
05/19/99	16	139	0	
05/20/99	17	158	0	
05/21/99	23	218	1	
05/22/99	50	250	3	
05/23/99	34	215	3	
05/24/99	35	216	5	
05/25/99	27	219	10	
05/26/99	37	239	8	
				Total

Oil	Gas
50	250
34	215
35	216
27	219
37	239
183	1139

Paddock Pool (49210)

DATE	OIL	GAS	WATER			
06/02/99	58	361	37			
06/03/99	10	138	100			
06/04/99	40	92	252			
06/05/99	56	102	213			
06/06/99	41	102	176			
06/07/99	38	99	160			
06/08/99	36	94	155		Oil	Gas
06/09/99	38	99	149		38	99
06/10/99	34	98	139		34	98
06/11/99	31	108	129		31	108
06/12/99	31	105	126		31	105
06/13/99	30	92	121		30	92
				Total	164	502

Wantz ABO	183	1139
Paddock	164	502
Total	347	164 1
Wantz ABO %	0.53	0.6 9
Paddock %	0.47	0.31

TURNER LEASE OFFSET OPERATORS

Conoco Inc. 10 Desta Dr., Suite 100W Midland, Texas 79705 Certified Rcpt # Z 116 148 776

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Texaco E&P Inc. 205 E. Bender Blvd. Hobbs, New Mexico 88240 Certified Rcpt # Z 116 148 777

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

[713] 296-6000

June 15, 1999

Offset Operators

Re: Application to Downhole Commingle Turner No. 20 Paddock Pool (49210) and Wantz ABO Pool (62700) Lea County, New Mexico

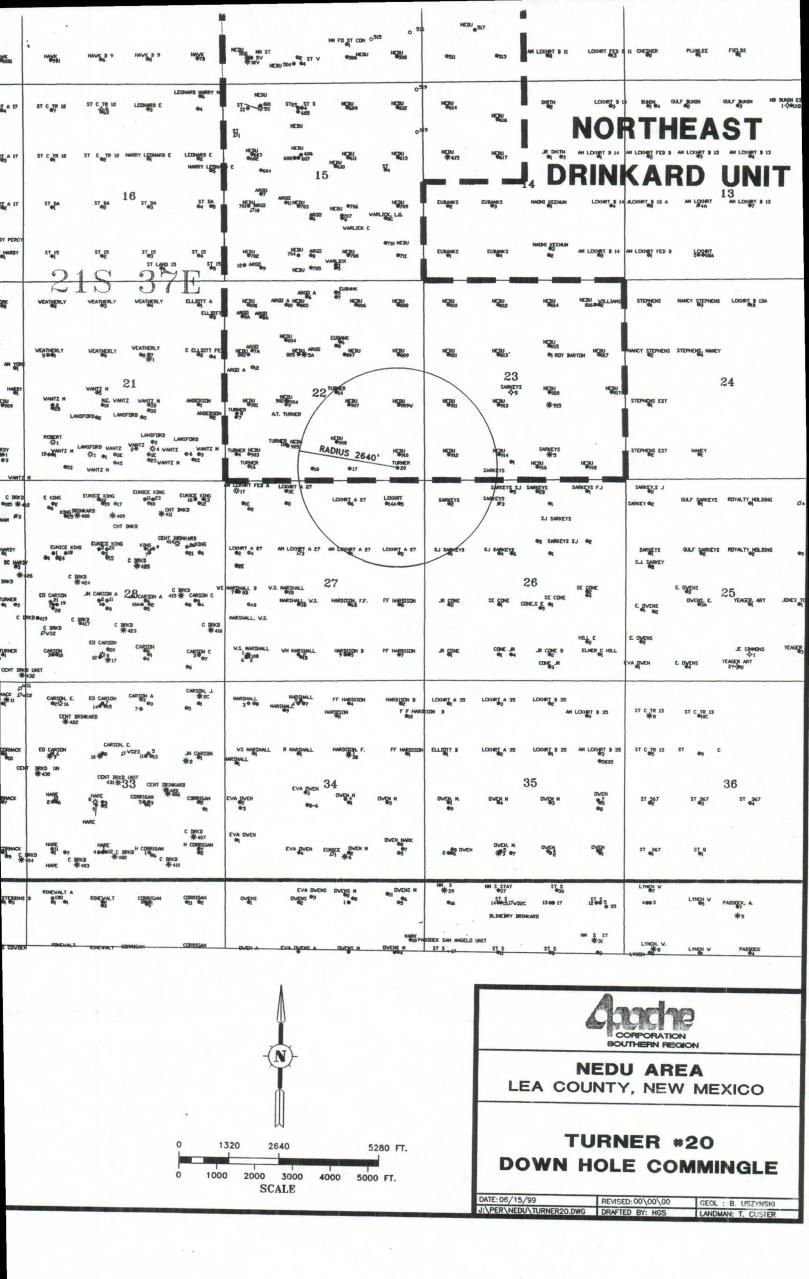
Attached please find a copy of an Application to Downhole Commingle the referenced pools in the Turner # 20 that Apache Corporation has filed with the New Mexico Oil Conservation Division. If you have an objection to this application, you must notify the OCD in writing within 20 days from the date of this letter.

Sincerely,

APACHE CORPORATION

Debra J. Anderson Sr. Engineering Technician

Attachment



HAVK B 8	WC HAWK B 9	HAWK B 9	HAVK 2B1	HAWK FED B 1	NEDU •501 •514	NH ST 0503	NEDU \$505	507	\$510	9 512		•11	2	•1		
								515 O 51	6 NEDU	5 17						
HAVK 10B1	HAVK	HAVK B 9	HAVK B 9	HAVK Ø7B	NEDU NH ST	●2 ST V NEDU 504 ● 4	NM FE ST COM O	NEDU 1508	•511	●513	AM LCKHRT B 11		11 CHESHER	PLUYLEE	FIELDS	
CKHRT A 17	ST C TR 12	ST C TR 12	LEONARD E	LEDNARD HARRY NO	NEDU ST 600 15 755	ST2S ST S 605 NEDU	NEDU ØG09	NEDU MEDU MEDU	NEDU Ø614	NEDU ©616	SMITH					B Bunin est 1-\$¶01x0
LCKHRT A 17	ST C TR 12	ST C TR 12	HARRY LEDNARD E	LEDNARD E Harry Ledna	ST 1 NEDU 603 602 E 604	NEDU 608 607 1		06 NEDU 6613 51 84	NEDU ¥615	NEDU 46517	JR SMITH		AM LCKHRT FED B		-	-
-CKHRT A 17	ST DA	ST DA	16 ST DA	ST DA ⊕4 ●5	ARGD 701 ARGD C 10		NEDU \$706	NEDU 709 ARLICK, LG.	EUBANKS	EUBANKS		LCKHRT B 14	ALCKHRT B 13 A	AM LCKHRT	13 AM LCKHRT B 13	•
HARDY PERCY	ST_15	ST_15	ST 15 ST LAND	ST_15 15 5T_15	NETUU 9702 12® ARGG	NEDU ARGD 704 • • • • • • • • • • • • • • • • • • •	WARLICK	●710 NEDU ●711	EUBANKS	EUBANKS	NADMI KEENUM Ø3	AM LCKHRT B 14	AM LCKHRT FED I	B LCKHRT 50 098A		
YURK	WEATHERLY	VEATHERLY	VEATHERLY	ELLIDIT A ELLIDIT	NEDU BOL ARGI ARGI BA BA	ARGD A ARGD A NEDU 0 0 0003	EUBANK 5 97 NEDU 9806	NEDU 1908	NEDU 10	NEDU Ø812	NEDU Ø814	NEDU VILLIAMS 816	STEPHENS	NANCY STEPHEN	S LCKHRT B 13A	
AM YOR	VEATHERLY 5001	WEATHERLY	VEATHERLY	E ELLIDIT FE	ARGD NEDU 7A 802 7A	NEDU 19804 NEDU, ARGO 805 97(5A	EUBANK 95 NEDU 9807	NEDU 809	NEDU Bili	NE DU 1813	NEDU 19815 1 ROY I	NEDU Karton Ø617	NANCY STEPHENS	Stephens, Nanc	Ŷ	
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HARDY 5 HOI 93		240	LANSFORD VANTZ #3 2007 #4 VAN 01E 025 VANT	LANSFORD NTZ 06 03 Z N 01S	TURNER NEDU 4 9903 TURNER 16	FURNER NEDU	RADIUS 264	NEDU 910 TURNER 920	NEDU Ø912		SARKEYS ¥5 NEDU 916	NEDU ®918	STEPHENS EST	NANCY		
C DRKD @105 #4 V LINAM #3	E KING	EUNICE KING EUNICE KING 19 917 PRINKARD #408 K408 CNT	L CN	EUNICE KING 16 013 T DNKD	AM LCKHRT FED A \$\$\phi_1T \$1E \$8	LCKHRT A 27 Ø3E	LCKHRT A 27	LCKHRT ©14A ©5	SARKEYS	SARKEYS SJ SARKEYS 3	SARKEYS ©2B ©1 SJ SARKEYS	SARKEYS FJ	SARKEY,S J SARKEY ©2	GULF SARKEYS	ROYALTY HOLDING	Ø4
DC HARDY DC HARD		•3 •15	CENT C DRKD T 485	DRINKARD BEKING 421 48	LCKHRT A 27 \$2 \$4 \$2 \$2	AM LOOHBT A 27	AM LEKHRT A 27	LCKHRT A 27	SJ SARKEYS	SJ SARKEYS	 SARKEYS B1 	S a FS	SARKEYS S.J. SARKEY	GULF SARKEYS	S ROYALTY HOLDING	•3
C DRKD WH TURNER •1 •3	ED CARSON 21 19 122 RKD 0419 C	DRKD		•8 •9 •8	4B	V.S. MARSHALL OBB MARSHALL, W.S.	HARDISON, FF.	FF HARDISON	JR CONE		SE CONE	SE CONE	E. DVENS	E. DYENS OVENS, E.	25	JUNE'S TO
VH TURNER 30 ¹ CENT DRK	CARSIN 30018	ED CARSON 920 12 4 4 17	RKD K 423 CARSON	C DRKD #416 CARSDN C 3 @77 @6	W.S. MARSHALL	WH MARSHALL	HARDISON B	FF HARDISON	JR CONE	COINE JR •1 •4	JR COME B DE COME JR		E. DYENS	E. DYENS	JE SIMMONS - 0-1 YEAGER ART 2Y 0112	YEAGER
	SI S2 CARSON, E. @23016	ED CARSON 14 15 DRINKARD	CARSON A	CARSON, J. Hec S	MARSHALL 3 • •8	MARSHALL MARSHALL	FF HARDISON HARDISON	HARDISON B E2 F F HARI ©10	LCKHRT A 35 DISON B	LCKHRT A 35	LCKHRT B 35	LCKHRT B 35	ST C TR 13	ST C TR 13		_
●421 VT MCCDRMACK ●810 CEN		CARSON,	E. VS23	JN CARSON #2	VS MARSHALL	R MARSHALL	HARDISDN, F. #38	FF HARDISON	ELLINTT B	LCKHRT A 35	LCKHRT B 35	AM LCKHRT B 35	ST C TR 13		c	
NCCORMACK	₩ 430 HARE 2 ₩6	CENT DRKD 431 # 2 HARE		IKARI) 120 CORRIGAN 120 CORRIGAN	EVA DVEN Ø2 Ø5	EVA DWEN \$B-6	34 DVENAM	DVEN N	D√е <u>N,</u> м. Ф9	⊡ ∀ЕМ М ₩4	35 ^{dven m}	DVEN S ØB	ST 367	ST 367	36 ST .367	
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