

DHC

6/17/99

2365

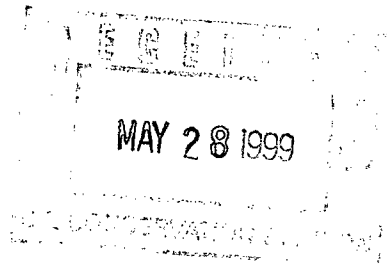


2000 POST OAK BOULEVARD / SUITE 100 / HOUSTON, TEXAS 77056-4400

[713] 296-6000

May 19, 1999

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



RE: Application to Downhole Commingle
D. C. Hardy Well No. #4
Eunice Area
Lea County, New Mexico

Dear Sir:

Apache Corporation is applying for a downhole commingling permit on the above referenced well. We are requesting to commingle these zones based on the results from our State "C" Tract 13 #6Y. By performing a workover on the existing perfs and adding the Blinbry perfs in our State "C" Tract 12 #6Y, production increased by 50%. Apache added the Tubb zone to existing Drinkard in the our Hardy #4 and oil production increased by 7 bbls and gas remain the same. The test prior to perforation was 6 BOPD, 2 BWPD, 60 MCFPD. By commingling production in these zones, it will enhance the economic operations of this well.

Previous studies show that the produced fluids from these zones should be compatible and commingling these fluids should not result in precipitation, which might damage the reservoir. All zones to be commingled in the above referenced wells have common ownership. Apache is basing its allocation percentages on current and anticipated production volumes by using test performed on your State "C" Tract 12 leases, which has test from each zone we asking to commingle (See Attached Allocation Table).

To support our application we have attached the following:

- 1) Forms 107A
- 2) Allocation Percentage Table
- 3) Well Test Reports
- 4) Forms C-102
- 5) Yearly production and curve
- 6) Map with half-mile radius
- 7) Copy of Letter & Certified notice sent to each Surface & Royalty owners, and Offset Operator.

Should you have any questions about this application, please contact Frances Byers at (713) 296-6361.

Sincerely,
Apache Corporation

A handwritten signature in cursive script that reads "Frances M. Byers".

Frances M. Byers
Sr. Engineer Tech

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

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107A
New 3-12-96

APPROVAL PROCESS:☐ Administrative☐ Hearing**EXISTING WELLBORE**☐ Yes ☒ No**APPLICATION FOR DOWNHOLE COMMINGLE****APACHE CORPORATION**

Operator

2000 POST OAK BLVD. STE 100 - RM 358A HOUSTON, TX 77056-4400

Address

D. C. HARDY**4****O - Sec. 20, T21S, R37E****LEA**

Lease

Well No.

Unit Ltr.-Sec-Twp-Rgn

County

Spacing Unit Lease Types: (one or more)

☐ Federal☐ State☒ FeeOGRID NO. **000873**Property Code **16814**

API No.

30-025-06691

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	BLINEBRY 046 (9.1L) 197 OIL, 428 MCF, 6000 GOR	TUBB/86440 046 (9.1L) 142 OIL, 284 MCF, 2000 GOR	DRINKARD/60240 142 OIL, 852 MCF, 6000 GOR
2. Top and Bottom of Pay Section (Perforations)	5566' - 5888'	6162' - 6278'	6348' - 6670'
3. Type of production (Oil or Gas)	GAS & OIL	OIL	GAS & OIL
4. Method of Production (Flowing or Artificial Lift)	AL	AL	FL
5. Bottomhole Pressure	a. (Current) 200	a. 600	a. 600
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current	b. (Original) 200-500	b. 500-600	500-600
All Gas Zones: Estimated or Measured Original			
6. Oil Gravity ("API) or Gas BTU Content	37.7	36.6	37
7. Producing or Shut-In?	NOT COMPLETED	PRODUCING	PRODUCING
Production Marginal? (Yes or No)	Y	Y	Y
° 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 estimates and supporting data ° If Producing, give date and oil/gas/water rates of recent test (within 80 days)	Date: 02/02/99 Rates: (ANTICIPATED RATES ST C #5) 1BOPD, 1BWPD, 30 MCFPD Date: Rates:	Date: 11/15/98 Rates: (COMBINED TEST OF TUBB/DRINKARD) 13 BOPD, 45 BWPD, 56 MCFPD Date: Rates:	Date: 10/28/98 Rates: (PRIOR TO ADDING TUBB ZONE) 6 BOPD, 2 BWPD, 60 MCFPD Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: Gas: 7% 35%	Oil: Gas: 50% 0%	Oil: Gas: 43% 65%

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?

☒ Yes ☐ No

If not, have all working, overriding and royalty interests been notified by certified mail?

☒ Yes ☐ No

Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes; are fluids compatible, will the formations be undamaged, will any cross-flow production be recovered and will the allocation formula be reliable.

☒ Yes ☐ No (If No, attach explanation)

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

☒ Yes ☐ No

13. Will the value of production be decreased by commingling?

☐ Yes☒ No

(If Yes, attach explanation)

14. If this well is on or communitized with state or federal lands, either the Commissioner of Public Lands or the United States

Bureau of Land Management has been notified in writing of this application.

☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(C) Exceptions:

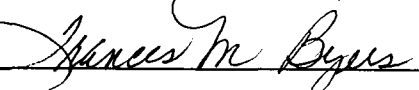
Order No.s

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


TITLE Sr. Engineering TechDATE 5/19/99

TYPE OR PRINT NAME

Frances M. Byers

TELEPHONE NO.

(713) 296-6361

ALLOCATION PERCENTAGE TABLE

Test on production in the Drinkard zone was 6 BOPD, 2 BWPD, 60 MCFPD. Apache perf the Tubb zone And received combined rates of 13 BOPD, 45 BWPD, 56 MCFPD. Our allocated percentage is based on these rates.

<u>Well Name</u>	<u>Test</u>	<u>Oil %</u>	<u>Gas%</u>
D. C. Hardy #4			
Blinebry	1 BOPD x 1 BWPD x 30 MCFD	7%	35% 33%
Tubb	7 BOPD x 43 BWPD x 0 MCFD	50%	0%
Drinkard	6 BOPD x 2 BWPD x 60 MCFD	43%	65% 47%
TOTAL	13 14 BOPD x 46 BWPD x 90 MCFD		

Well Test History (OGW)

Tuesday, January 05, 1988 Through Tuesday, January 05, 1999

Select By : Completions

Pressure Base : None
Units : A.P.I.

Page No : 1
Print Date : 1/5/99, 1:54:02 PM

Sort By : Rounded (v/n) : No

Report Number : R 013

Dates		Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Obsrvd		Pu
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	Grv	Temp	
04/02/95	04/02/95	HARDY, D C #4-20	24.00	6.00	60.00	22.00	.00	.00	10,000.000	3.667	2,142.857			.00		A
10/10/95	10/10/95	HARDY, D C #4-20	24.00	5.00	95.00	20.00	.00	.00	19,000.000	4.000	3,800.000			.00		M
AVGS-- 1995				5.50	77.50	21.00	.00									
01/01/96	01/01/96	HARDY, D C #4-20	24.00	6.00	.00	17.00	.00	.00	0.000	2.833	0.000			.00		M
02/02/96	02/02/96	HARDY, D C #4-20	24.00	5.00	.00	20.00	.00	.00	0.000	4.000	0.000			.00		M
02/29/96	02/29/96		24.00	5.00	.00	25.00	.00	.00	0.000	5.000	0.000			.00		M
AVGS-- 02/1996				5.00	.00	22.50	.00	.00	0.000	4.500	0.000			.00		
04/01/96	04/01/96	HARDY, D C #4-20	24.00	5.00	60.00	25.00	.00	.00	12,000.000	5.000	2,000.000			.00		A
08/01/96	08/01/96	HARDY, D C #4-20	24.00	6.00	80.00	25.00	.00	.00	13,333.333	4.167	2,580.645			.00		A
10/30/96	10/30/96	HARDY, D C #4-20	24.00	5.00	75.00	30.00	.00	.00	15,000.000	6.000	2,142.857			.00		A
11/05/96	11/05/96	HARDY, D C #4-20	24.00	7.00	81.00	25.00	.00	.00	11,571.429	3.571	2,531.250			.00		A
AVGS-- 1996				5.57	42.29	23.86	.00									
12/02/97	12/02/97	HARDY, D C #4-20	24.00	5.00	64.00	20.00	.00	.00	12,800.000	4.000	2,560.000			.00		A
10/23/98	10/23/98	HARDY, D C #4-20	24.00	.00	.00	94.00	.00	.00	0.000	0.000	0.000			.00		A
10/26/98	10/26/98		24.00	2.00	33.00	64.00	.00	.00	16,500.000	32.000	500.000			.00		A
10/28/98	10/28/98		24.00	21.00	45.00	60.00	.00	.00	2,142.857	2.857	555.556			.00		A
10/29/98	10/29/98		24.00	8.00	45.00	58.00	.00	.00	5,625.000	7.250	681.818			.00		A
10/30/98	10/30/98		24.00	19.00	43.00	52.00	.00	.00	2,263.158	2.737	605.634			.00		A
AVGS-- 10/1998				10.00	33.20	65.60	.00	.00	5,306.203	8.969	468.602			.00		
11/01/98	11/01/98	HARDY, D C #4-20	24.00	10.00	40.00	39.00	.00	.00	4,000.000	3.900	816.327			.00		A
11/02/98	11/02/98		24.00	15.00	38.00	36.00	.00	.00	2,533.333	2.400	745.098			.00		A
11/03/98	11/03/98		24.00	14.00	40.00	36.00	.00	.00	2,857.143	2.571	800.000			.00		A
11/04/98	11/04/98		24.00	10.00	40.00	35.00	.00	.00	4,000.000	3.500	888.889			.00		A
11/05/98	11/05/98		24.00	13.00	45.00	35.00	.00	.00	3,461.538	2.692	937.500			.00		A
11/06/98	11/06/98		24.00	15.00	57.00	35.00	.00	.00	3,800.000	2.333	1,140.000			.00		A
11/08/98	11/08/98		24.00	13.00	50.00	35.00	.00	.00	3,846.154	2.692	1,041.667			.00		A
11/09/98	11/09/98		24.00	14.00	53.00	32.00	.00	.00	3,785.714	2.286	1,152.174			.00		A
11/10/98	11/10/98		24.00	10.00	46.00	20.00	.00	.00	4,600.000	2.000	1,533.333			.00		A
11/11/98	11/11/98		24.00	17.00	43.00	24.00	.00	.00	2,529.412	1.412	1,048.780			.00		A
11/13/98	11/13/98		24.00	17.00	45.00	24.00	.00	.00	2,647.059	1.412	1,097.561			.00		A
11/15/98	11/15/98		24.00	14.00	48.00	26.00	.00	.00	3,428.571	1.857	1,200.000			.00		A
AVGS-- 11/1998				13.50	45.42	31.42	.00									
AVGS-- 1998				12.47	41.82	41.47	.00									
AVGS-- HARDY, D C #4-20				9.89	45.41	34.59	.00		3,457.410	2.421	1,033.444			.00		A

WellTest History (OGW)

Friday, February 10, 1995 Through Monday, May 10, 1999

Select By : Completions

Pressure Base : None
Units : A.P.L.

Page No : 1
Print Date : 5/10/99, 9:54:11 AM

Sort By : None selected in Report Options.

Rounded (Y/n) : No

Report Number : R 013

Dates		Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Obsv'd		Pu
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	Grv	Tmp	
11/01/97	11/01/97	STATE C TR 12 #7;BLINEBRY	24.00	1.50	48.00	1.00	.00	.00	32,000.000	0.667	19,200.000			.00		A
03/01/98	03/01/98	STATE C TR 12 #7;BLINEBRY	24.00	1.00	40.00	.00	.00	.00	40,000.000	0.000	40,000.000			.00		A
Aves--		STATE C TR 12 #7;BLINEBRY		1.25	44.00	.50	.00									
11/01/97	11/01/97	STATE C TR 12 #7;DRINKARD	24.00	.70	20.60	.10	.00	.00	29,428.571	0.143	25,750.000			.00		A

WellTest History (OGW)

Saturday, October 10, 1998 Through Monday, May 10, 1999

Select By : Completions

Pressure Base	: None
Units	: A.P.I.

:A.P.I.

Page No : 1

Print Date : 5/10/99, 9:47:33 AM

Sort By : None selected in Report Options.

Rounded (y/n) : No

Report Number : R 013

Dates		Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Obsrvd Giv Tmp
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	
02/02/99	02/02/99	STATE /CK/ #3:BLINEBRY	24.00	.00	69.40	.00	.00	.00	0.000	0.000	0.000			.00
02/02/99	02/02/99	STATE /CK/ #3:PADDOCK	24.00	25.00	8.60	80.00	.00	.00	344.000	3.200	81.905			.00
03/16/99	03/16/99	STATE /CK/ #3:PADDOCK	24.00	24.00	8.60	93.00	.00	.00	358.333	3.875	73.504			.00
AvgS- STATE /CK/ #3:PADDOCK				24.50	8.60	86.50	.00							

WellTest History (OGW)

Friday, February 10, 1995 Through Monday, May 10, 1999

Select By : Completions

Pressure Base : None
Units : A.P.I.

Page No : 1
Print Date : 5/10/99, 9:58:34 AM

Sort By : None selected in Report Options.

Rounded (y/n) : No

Report Number : R 013

Dates		Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Obsrvd		Pu
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	Giv	Tmp	
03/01/99	03/01/99	STATE C TR 12 #6Y:BLI	24.00	.00	.00	.00	.00	.00	0.000	0.000	0.000			.00		M
03/16/99	03/16/99		24.00	16.00	374.00	14.00	.00	.00	23.375.000	0.875	12.466.667			.00		A
Avgs-- 03/1999				8.00	187.00	7.00	.00	.00	11.687.500	0.438	6.233.333			.00		
04/01/99	04/01/99	STATE C TR 12 #6Y:BLI	24.00	11.00	355.50	9.87	.00	.00	32.318.182	0.897	17.034.020			.00		A
Avgs-- STATE C TR 12 #6Y:BLI				9.00	243.17	7.96	.00	.00								
11/01/97	11/01/97	STATE C TR 12 #6Y:DRINKARD	24.00	.50	1.00	.00	.00	.00	2.000.000	0.000	2.000.000			.00		A
03/01/98	03/01/98	STATE C TR 12 #6Y:DRINKARD	24.00	.00	250.00	1.00	.00	.00	0.000	0.000	250.000.000			.00		A
10/09/98	10/09/98	STATE C TR 12 #6Y:DRINKARD	15.00	.00	23.52	24.80	.00	.00	0.000	0.000	948.387			.00		A
10/10/98	10/10/98		24.00	1.00	20.70	16.00	.00	.00	20.700.000	16.000	1.217.647			.00		A
10/11/98	10/11/98		24.00	4.50	20.70	22.50	.00	.00	4.600.000	5.000	766.667			.00		A
10/12/98	10/12/98		24.00	7.00	21.60	25.00	.00	.00	3.085.714	3.571	675.000			.00		A
10/13/98	10/13/98		24.00	4.50	21.20	22.50	.00	.00	4.711.111	5.000	785.185			.00		A
10/14/98	10/14/98		24.00	2.00	21.60	20.00	.00	.00	10.800.000	10.000	981.818			.00		A
10/15/98	10/15/98		24.00	2.50	23.00	23.50	.00	.00	9.200.000	9.400	884.615			.00		A
10/16/98	10/16/98		24.00	4.00	24.00	20.00	.00	.00	6.000.000	5.000	1,000.000			.00		A
10/17/98	10/17/98		24.00	.50	25.85	11.00	.00	.00	51.700.000	22.000	2.247.826			.00		A
10/18/98	10/18/98		24.00	.50	26.30	7.50	.00	.00	52.600.000	15.000	3.287.500			.00		A
10/19/98	10/19/98		24.00	.50	28.20	6.50	.00	.00	56.400.000	13.000	4,028.571			.00		A
10/23/98	10/23/98		24.00	.50	28.20	7.50	.00	.00	56.400.000	15.000	3,525.000			.00		A
10/24/98	10/24/98		24.00	.50	30.60	7.50	.00	.00	61.200.000	15.000	3,825.000			.00		A
10/25/98	10/25/98		24.00	.50	31.50	7.50	.00	.00	63.000.000	15.000	3,937.500			.00		A
10/26/98	10/26/98		24.00	2.00	32.00	7.50	.00	.00	16.000.000	3.750	3,368.421			.00		A
10/27/98	10/27/98		24.00	1.00	32.40	5.00	.00	.00	32.400.000	5.000	5,400.000			.00		A
10/28/98	10/28/98		24.00	1.00	32.40	3.50	.00	.00	32.400.000	3.500	7,200.000			.00		A
10/29/98	10/29/98		24.00	1.00	33.40	3.50	.00	.00	33.400.000	3.500	7,422.222			.00		A
10/30/98	10/30/98		24.00	1.00	32.00	5.00	.00	.00	32.000.000	5.000	5,333.333			.00		A
10/31/98	10/31/98		24.00	.50	34.80	6.50	.00	.00	69.600.000	13.000	4,971.429			.00		A
Avgs-- 10/1998				1.75	27.20	12.64	.00	.00	30.809.841	9.136	3,090.306			.00		
11/01/98	11/01/98	STATE C TR 12 #6Y:DRINKARD	24.00	.50	34.80	3.00	.00	.00	69.600.000	6.000	9,942.857			.00		A
11/02/98	11/02/98		24.00	.50	35.30	1.50	.00	.00	70.600.000	3.000	17,650.000			.00		A
11/03/98	11/03/98		24.00	.50	35.70	1.50	.00	.00	71.400.000	3.000	17,850.000			.00		A
11/04/98	11/04/98		24.00	.50	35.30	2.00	.00	.00	70.600.000	4.000	14,120.000			.00		A
11/05/98	11/05/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18,100.000			.00		A
11/06/98	11/06/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18,100.000			.00		A
11/07/98	11/07/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18,100.000			.00		A
11/08/98	11/08/98		24.00	.50	36.70	1.50	.00	.00	73.400.000	3.000	18,350.000			.00		A
11/09/98	11/09/98		24.00	35.00	36.70	1.50	.00	.00	1,048.571	0.043	1,005.479			.00		A
11/10/98	11/10/98		24.00	.50	37.10	1.50	.00	.00	74.200.000	3.000	18,550.000			.00		A

WellTest History (OGW)

Friday, February 10, 1995 Through Monday, May 10, 1999

Select By : Completions

Pressure Base : None
Units : A.P.L.

Page No : 3
Print Date : 5/10/99, 9:58:34 AM

Sort By : None selected in Report Options.

Rounded (v/in) : No

Report Number : R 013

Dates		Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Obsr'd Grv Tmp	
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron		
10/11/98	10/11/98	STATE C TR 12 #6Y:TUBB	24.00	4.50	23.30	22.50	.00	.00	5,177.778	5.000	862.963			.00	A
10/12/98	10/12/98		24.00	7.00	24.40	25.00	.00	.00	3,485.714	3.571	762.500			.00	A
10/13/98	10/13/98		24.00	4.50	23.80	22.50	.00	.00	5,288.889	5.000	881.481			.00	A
10/14/98	10/14/98		24.00	2.00	24.40	20.00	.00	.00	12,200.000	10.000	1,109.091			.00	A
10/15/98	10/15/98		24.00	2.50	56.00	23.50	.00	.00	22,400.000	9.400	2,153.846			.00	A
10/16/98	10/16/98		24.00	4.00	27.00	20.00	.00	.00	6,750.000	5.000	1,125.000			.00	A
10/17/98	10/17/98		24.00	.50	29.15	11.00	.00	.00	58,300.000	22.000	2,534.783			.00	A
10/18/98	10/18/98		24.00	.50	29.70	7.50	.00	.00	59,400.000	15.000	3,712.500			.00	A
10/19/98	10/19/98		24.00	.50	31.80	6.50	.00	.00	63,600.000	13.000	4,542.857			.00	A
10/23/98	10/23/98		24.00	.50	31.80	7.50	.00	.00	63,600.000	15.000	3,975.000			.00	A
10/24/98	10/24/98		24.00	.50	34.40	7.50	.00	.00	68,800.000	15.000	4,300.000			.00	A
10/25/98	10/25/98		24.00	.50	35.50	7.50	.00	.00	71,000.000	15.000	4,437.500			.00	A
10/26/98	10/26/98		24.00	2.00	36.00	7.50	.00	.00	18,000.000	3.750	3,789.474			.00	A
10/27/98	10/27/98		24.00	1.00	36.60	5.00	.00	.00	36,600.000	5.000	6,100.000			.00	A
10/28/98	10/28/98		24.00	1.00	36.60	3.50	.00	.00	36,600.000	3.500	8,133.333			.00	A
10/29/98	10/29/98		24.00	1.00	37.60	3.50	.00	.00	37,600.000	3.500	8,355.556			.00	A
10/30/98	10/30/98		24.00	1.00	36.00	5.00	.00	.00	36,000.000	5.000	6,000.000			.00	A
10/31/98	10/31/98		24.00	.50	39.20	6.50	.00	.00	78,400.000	13.000	5,600.000			.00	A
AVGS-- 10/1998				1.75	32.15	12.64	.00	.00	35,325.119	9.136	3,540.549			.00	A
11/01/98	11/01/98	STATE C TR 12 #6Y:TUBB	24.00	.50	39.20	3.00	.00	.00	78,400.000	6.000	11,200.000			.00	A
11/02/98	11/02/98		24.00	.50	39.70	1.50	.00	.00	79,400.000	3.000	19,850.000			.00	A
11/03/98	11/03/98		24.00	.50	40.30	1.50	.00	.00	80,600.000	3.000	20,150.000			.00	A
11/04/98	11/04/98		24.00	.50	39.70	2.00	.00	.00	79,400.000	4.000	15,880.000			.00	A
11/05/98	11/05/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00	A
11/06/98	11/06/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00	A
11/07/98	11/07/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00	A
11/08/98	11/08/98		24.00	.50	41.30	1.50	.00	.00	82,600.000	3.000	20,650.000			.00	A
11/09/98	11/09/98		24.00	.50	41.30	1.50	.00	.00	82,600.000	3.000	20,650.000			.00	A
11/10/98	11/10/98		24.00	.50	41.90	1.50	.00	.00	83,800.000	3.000	20,950.000			.00	A
11/11/98	11/11/98		24.00	.50	41.90	1.50	.00	.00	83,800.000	3.000	20,950.000			.00	A
11/12/98	11/12/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00	A
AVGS-- 11/1998				.50	40.71	1.67	.00	.00	81,416.667	3.333	19,323.333			.00	A
AVGS-- 1998				1.28	35.36	8.53	.00	.00	106,000.000	11.000	8,833.333			.00	A
02/02/99	02/02/99	STATE C TR 12 #6Y:TUBB	24.00	.50	53.00	5.50	.00	.00	106,000.000	1.000	53,000.000			.00	A
03/16/99	03/16/99	STATE C TR 12 #6Y:TUBB	24.00	.50	53.00	.50	.00	.00	106,000.000	1.000	53,000.000			.00	A
03/31/99	03/31/99		24.00	.00	.00	.00	.00	.00	0.000	0.000	0.000			.00	M
AVGS-- 03/1999				.25	26.50	.25	.00	.00	53,000.000	0.500	26,500.000			.00	A
04/01/99	04/01/99	STATE C TR 12 #6Y:TUBB	24.00	1.00	45.00	.32	.00	.00	45,000.000	0.320	34,090.909			.00	A
04/02/99	04/02/99		24.00	5.00	236.90	5.50	.00	.00	47,380.000	1.100	22,561.905			.00	M

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

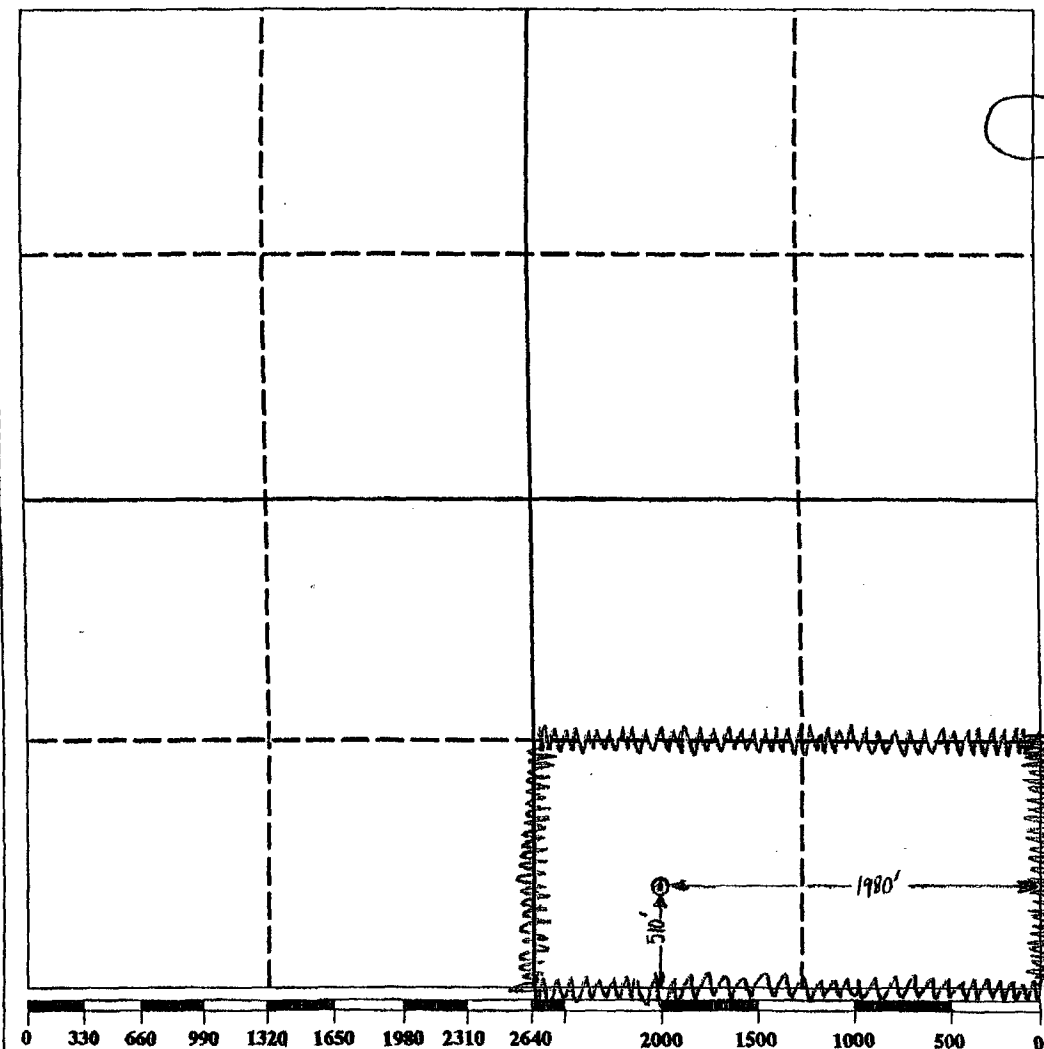
All Distances must be from the outer boundaries of the section

Operator APACHE CORPORATION			Lease D, C. HARDY		Well No. 4
Unit Letter 0	Section 20	Township 21S	Range 37E	County LEA	
NMPM					

Actual Footage Location of Well:

510'	feet from the	SOUTH	line and	1980'	feet from the	EAST	line
Ground level Elev. 3485'	Producing Formation BLINEBRY		Pool BLINEBRY OIL & GAS		Dedicated Acreage: 80 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

FRANCES BYERS

Printed Name

SR. ENGINEERING TECH

Position

APACHE CORPORATION

Company

414-99

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator APACHE CORPORATION			Lease D. C. HARDY		Well No. 4
Unit Letter O	Section 20	Township 21S	Range 37E	County LEA	
Actual Footage Location of Well: 510' feet from the SOUTH line and 1980' feet from the EAST line					
Ground level Elev. 3485'	Producing Formation TUBB		Pool TUBB OIL & GAS		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

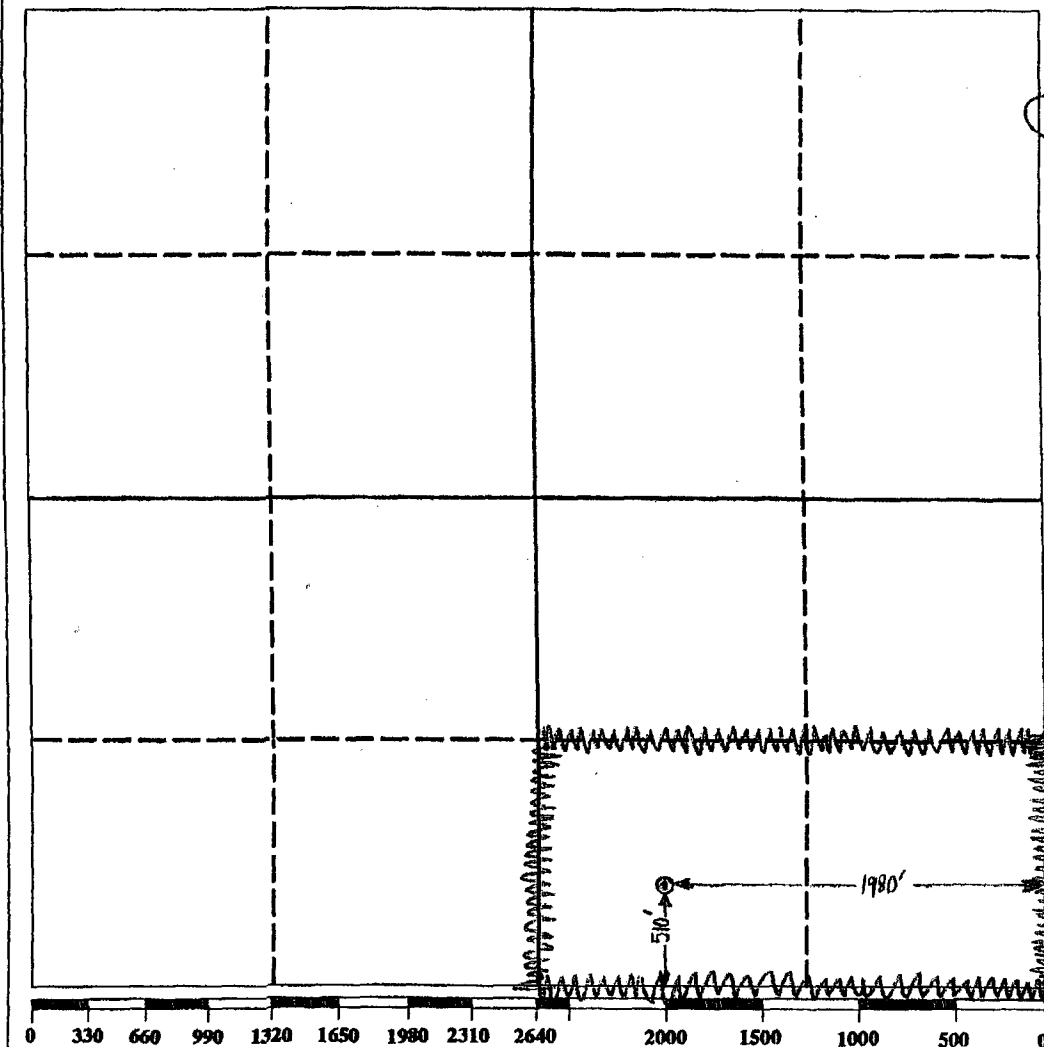
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Frances Byers
Signature

FRANCES BYERS

Printed Name

SR. ENGINEERING TECH

Position

APACHE CORPORATION

Company

414-99

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

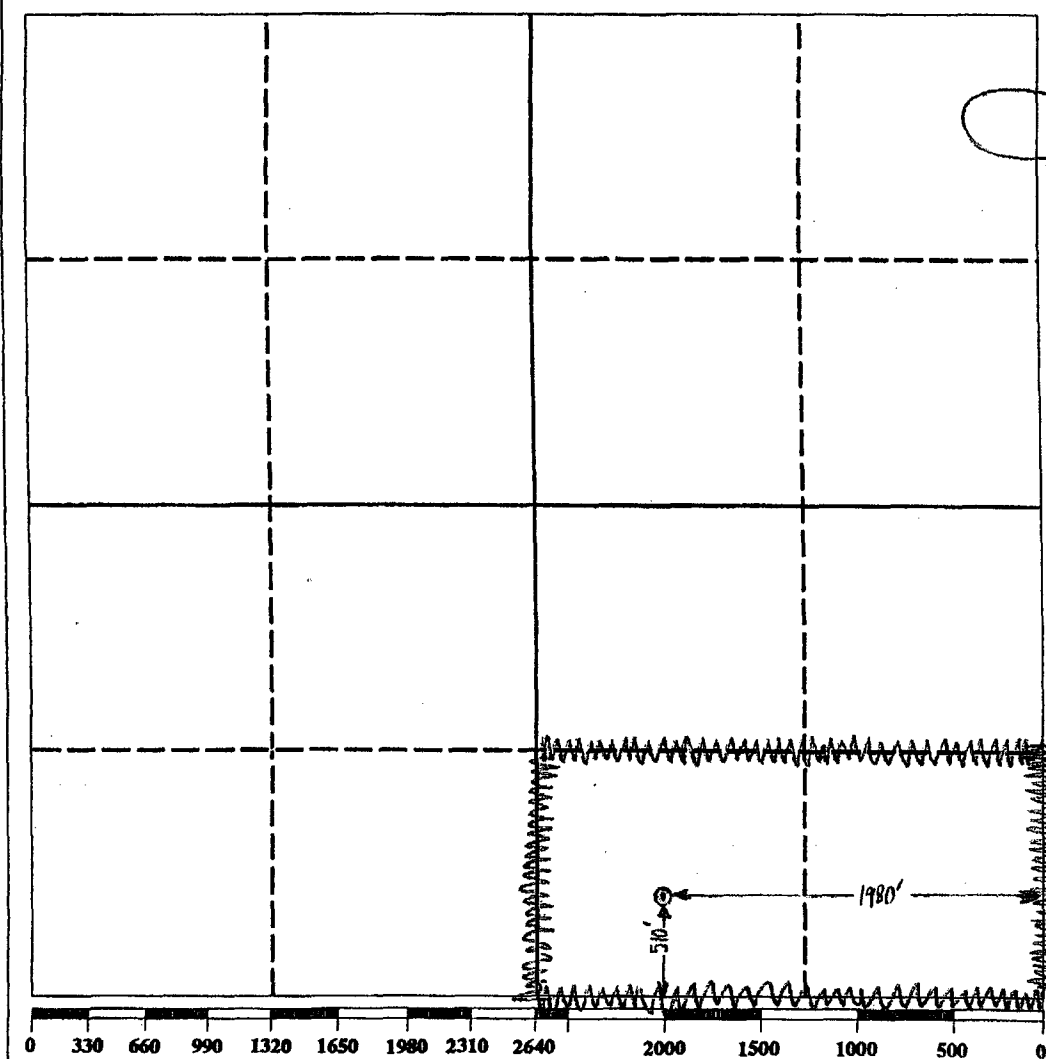
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator APACHE CORPORATION			Lease D. C. HARDY		Well No. 4
Unit Letter 0	Section 20	Township 21S	Range 37E	County LEA	
Actual Footage Location of Well: 510' feet from the SOUTH line and 1980' feet from the EAST line					
Ground level Elev. 3485'	Producing Formation DRINKARD		Pool DRINKARD		Dedicated Acreage: 80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No-allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Frances Byers
Signature

FRANCES BYERS
Printed Name

SR. ENGINEERING TECH
Position

APACHE CORPORATION
Company

4-14-99
Date

4-14-99
Date

4-14-99
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 supervision, and that the same is true and correct to the best of my knowledge and belief.

4-14-99
Date Surveyed

4-14-99
Signature & Seal of Professional Surveyor

4-14-99
Certificate No.

Dwight's Energydata Inc. Run Date: 5/24/99
 TX - NM Permian Published 3/99
 New Mexico Oil (#150,025,21S37E20O00DR)

Operator:	APACHE CORP	
Well/Lease Name:	D C HARDY	
Well #:	4	
Location:	200 21S 37E	
State:	NM	
District:	002	
County:	LEA	
Regulatory #:		
API #:	30-025-0669100	
Field:	DRINKARD (DRINKARD) DR	
Reservoir:	DRINKARD	
Basin:	PERMIAN BASIN	
Gas Gatherer:	TEXEP	
Liquid Gatherer:	NAVAJ	
Status Date:		
Status:	ACT	
		Last Production Date: 10/98 Cum. Thru L. P. Date Oil: 338,252 Cum. Thru L. P. Date Gas: 1,884,292 Gas Cum. Since Date: 01/59

Year	Oil Prod BBLs	Gas Prod MCF	Water BBLs	# of Wells	Days On	Allowables
1970	3,242	97,389	672	1	1	
1971	2,927	69,192	458	1	1	
1972	2,610	45,826	368	1	1	
1973	2,756	52,202	1,047	1	1	
1974	2,483	59,614	1,074	1	1	
1975	1,901	69,712	1,337	1	1	
1976	1,480	33,990	365	1	1	
1977	2,880	44,891		1	1	
1978	4,386	73,859	3,536	1	1	
1979	3,003	50,986	1,002	1	1	
1980	2,258	34,603	1,098	1	1	
1981	4,221	47,511	1,053	1	1	
1982	5,797	62,067	10,305	1	335	
1983	4,633	46,183	1,056	1	352	
1984	5,304	45,995	1,080	1	359	
1985	5,600	46,857	1,451	1	361	
1986	4,785	38,703	2,332	1	363	
1987	3,663	38,837	788	1	365	
1988	3,171	43,389	506	1	366	
1989	2,780	38,108	1,659	1	358	
1990	1,833	25,827	5,820	1	362	
1991	1,643	28,066	5,380	1	360	
1992	1,572	28,017	2,535	1	362	
1993	1,799	24,167	1,057	1	349	
1994	2,461	27,633	2,596	1	345	
1995	2,161	21,747	4,972	1	365	
1996	2,227	20,812	8,579	1	363	
1997	1,913	23,659	9,082	1	365	
1998	1,512	19,219	6,160	1	292	

Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
01/70	341	11	251,592	9,249	634,480	27,123	62	15.38	1		
02/70	321	11	251,913	8,655	643,135	26,963	56	14.85	1		
03/70	335	11	252,248	9,704	652,839	28,967	62	15.62	1		
04/70	360	12	252,608	8,759	661,598	24,331	60	14.29	1		
05/70	324	11	252,932	9,155	670,753	28,256	62	16.06	1		
06/70	227	7	253,159	8,634	679,387	38,035	60	20.91	1		
07/70	238	8	253,397	7,539	686,926	31,676	62	20.67	1		
08/70	243	8	253,640	7,756	694,682	31,918	36	12.90	1		
09/70	229	8	253,869	8,383	703,065	36,607	60	20.76	1		
10/70	223	7	254,092	6,821	709,886	30,587	30	11.86	1		
11/70	176	6	254,268	6,068	715,954	34,477	60	25.42	1		
12/70	225	7	254,493	6,666	722,620	29,627	62	21.60	1		
Totals	3,242			97,389			672				
01/71	244	8	254,737	7,129	729,749	29,217	32	11.59	1		
02/71	225	7	254,962	6,582	736,331	29,253	56	19.93	1		
03/71	294	10	255,256	7,652	743,983	26,027	30	9.26	1		
04/71	267	9	255,523	7,217	751,200	27,030	30	10.10	1		
05/71	249	8	255,772	6,711	757,911	26,952	62	19.94	1		
06/71	241	8	256,013	4,751	762,662	19,714	60	19.93	1		
07/71	234	8	256,247	4,945	767,607	21,132	30	11.36	1		
08/71	209	7	256,456	4,985	772,592	23,852	32	13.28	1		
09/71	236	8	256,692	5,520	778,112	23,390	30	11.28	1		
10/71	240	8	256,932	5,329	783,441	22,204	32	11.76	1		
11/71	240	8	257,172	4,217	787,658	17,571	32	11.76	1		
12/71	248	8	257,420	4,154	791,812	16,750	32	11.43	1		
Totals	2,927			69,192			458				
01/72	248	8	257,668	3,765	795,577	15,181	48	16.22	1		
02/72	223	7	257,891	3,499	799,076	15,691	30	11.86	1		
03/72	231	8	258,122	4,226	803,302	18,294	15	6.10	1		
04/72	169	6	258,291	4,351	807,653	25,746	45	21.03	1		
05/72	177	6	258,468	3,202	810,855	18,090	15	7.81	1		
06/72	166	5	258,634	3,283	814,138	19,777	15	8.29	1		
07/72	212	7	258,846	4,269	818,407	20,137	15	6.61	1		
08/72	232	8	259,078	4,111	822,518	17,720	30	11.45	1		
09/72	189	6	259,267	3,367	825,885	17,815	45	19.23	1		
10/72	264	9	259,531	4,201	830,086	15,913	48	15.38	1		
11/72	286	9	259,817	3,810	833,896	13,322	30	9.49	1		
12/72	213	7	260,030	3,742	837,638	17,568	32	13.06	1		
Totals	2,610			45,826			368				
01/73	245	8	260,275	3,431	841,069	14,004	124	33.60	1		
02/73	226	7	260,501	4,613	845,682	20,412	112	33.14	1		
03/73	239	8	260,740	4,746	850,428	19,858	93	28.01	1		
04/73	272	9	261,012	5,037	855,465	18,518	90	24.86	1		
05/73	256	8	261,268	4,346	859,811	16,977	93	26.65	1		
06/73	198	7	261,466	4,017	863,828	20,288	73	26.94	1		

Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
07/73	187	6	261,653	4,306	868,134	23,027	93	33.21	1	1	
08/73	86	3	261,739	4,599	872,733	53,477	62	41.89	1	1	
09/73	259	9	261,998	4,208	876,941	16,247	90	25.79	1	1	
10/73	270	9	262,268	4,457	881,398	16,507	93	25.62	1	1	
11/73	273	9	262,541	4,267	885,665	15,630	0	0.00	1	1	
12/73	245	8	262,786	4,175	889,840	17,041	124	33.60	1	1	
Totals	2,756			52,202			1,047				
01/74	264	9	263,050	3,523	893,363	13,345	93	26.05	1	1	
02/74	233	8	263,283	2,689	896,052	11,541	140	37.53	1	1	
03/74	233	8	263,516	3,713	899,765	15,936	62	21.02	1	1	
04/74	217	7	263,733	5,101	904,866	23,507	60	21.66	1	1	
05/74	210	7	263,943	5,805	910,671	27,643	93	30.69	1	1	
06/74	173	6	264,116	5,060	915,731	29,249	90	34.22	1	1	
07/74	175	6	264,291	5,462	921,193	31,211	93	34.70	1	1	
08/74	156	5	264,447	4,857	926,050	31,135	93	37.35	1	1	
09/74	278	9	264,725	6,722	932,772	24,180	90	24.46	1	1	
10/74	159	5	264,884	4,161	936,933	26,170	155	49.36	1	1	
11/74	193	6	265,077	6,132	943,065	31,772	60	23.72	1	1	
12/74	192	6	265,269	6,389	949,454	33,276	45	18.99	1	1	
Totals	2,483			59,614			1,074				
01/75	230	8	265,499	8,273	957,727	35,970	93	28.79	1	1	
02/75	194	6	265,693	6,903	964,630	35,582	112	36.60	1	1	
03/75	187	6	265,880	5,879	970,509	31,439	124	39.87	1	1	
04/75	188	6	266,068	6,143	976,652	32,676	90	32.37	1	1	
05/75	178	6	266,246	5,800	982,452	32,584	124	41.06	1	1	
06/75	189	6	266,435	6,119	988,571	32,376	120	38.83	1	1	
07/75	162	5	266,597	6,234	994,805	38,481	124	43.36	1	1	
08/75	167	5	266,764	5,873	1,000,678	35,168	124	42.61	1	1	
09/75	140	5	266,904	5,130	1,005,808	36,643	120	46.15	1	1	
10/75	113	4	267,017	6,324	1,012,132	55,965	124	52.32	1	1	
11/75	82	3	267,099	3,865	1,015,997	47,134	120	59.41	1	1	
12/75	71	2	267,170	3,169	1,019,166	44,634	62	46.62	1	1	
Totals	1,901			69,712			1,337				
01/76	93	3	267,263	3,906	1,023,072	42,000	62	40.00	1	1	
02/76	152	5	267,415	3,811	1,026,883	25,072	58	27.62	1	1	
03/76	141	5	267,556	4,003	1,030,886	28,390	62	30.54	1	1	
04/76	125	4	267,681	4,008	1,034,894	32,064	30	19.35	1	1	
05/76	138	5	267,819	2,938	1,037,832	21,290	31	18.34	1	1	
06/76	138	5	267,957	2,879	1,040,711	20,862	30	17.86	1	1	
07/76	136	4	268,093	2,713	1,043,424	19,949	31	18.56	1	1	
08/76	131	4	268,224	2,431	1,045,855	18,557	31	19.14	1	1	
09/76	88	3	268,312	1,997	1,047,852	22,693	30	25.42	1	1	
10/76	69	2	268,381	1,338	1,049,190	19,391	0	0.00	1	1	
11/76	114	4	268,495	1,748	1,050,938	15,333	0	0.00	1	1	
12/76	155	5	268,650	2,218	1,053,156	14,310	0	0.00	1	1	

Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
Totals	1,480			33,990			365				
01/77	127	4	268,777	2,071	1,055,227	16,307			1		
02/77	226	7	269,003	2,460	1,057,687	10,885			1		
03/77	346	11	269,349	5,193	1,062,880	15,009			1		
04/77	197	6	269,546	4,301	1,067,181	21,832			1		
05/77	427	14	269,973	7,455	1,074,636	17,459			1		
06/77	282	9	270,255	5,407	1,080,043	19,174			1		
07/77	308	10	270,563	4,080	1,084,123	13,247			1		
08/77	154	5	270,717	4,196	1,088,319	27,247			1		
09/77	134	4	270,851	2,274	1,090,593	16,970			1		
10/77	0	0	270,851	0	1,090,593				1		
11/77	0	0	270,851	0	1,090,593				1		
12/77	679	22	271,530	7,454	1,098,047	10,978			1		
Totals	2,880			44,891							
01/78	434	14	271,964	7,943	1,105,990	18,302	0	0.00	1		
02/78	333	11	272,297	6,754	1,112,744	20,282	0	0.00	1		
03/78	421	14	272,718	6,760	1,119,504	16,057	0	0.00	1		
04/78	340	11	273,058	6,381	1,125,885	18,768	180	34.62	1		
05/78	392	13	273,450	7,410	1,133,295	18,903	2,480	86.35	1		
06/78	372	12	273,822	6,472	1,139,767	17,398	0	0.00	1		
07/78	389	13	274,211	6,691	1,146,458	17,201	186	32.35	1		
08/78	369	12	274,590	6,298	1,152,756	17,068	0	0.00	1		
09/78	337	11	274,917	5,244	1,158,000	15,561	162	32.46	1		
10/78	316	10	275,233	4,710	1,162,710	14,905	186	37.05	1		
11/78	352	12	275,585	5,533	1,168,243	15,719	180	33.83	1		
12/78	331	11	275,916	3,663	1,171,906	11,066	162	32.86	1		
Totals	4,386			73,859			3,536				
01/79	301	10	276,217	4,945	1,176,851	16,429	0	0.00	1		
02/79	279	9	276,496	2,495	1,179,346	8,943	84	23.14	1		
03/79	263	9	276,759	3,212	1,182,558	12,213	93	26.12	1		
04/79	251	8	277,010	3,989	1,186,547	15,892	90	26.39	1		
05/79	275	9	277,285	3,129	1,189,676	11,378	93	25.27	1		
06/79	179	6	277,464	3,114	1,192,790	17,397	90	33.46	1		
07/79	229	8	277,693	3,493	1,196,283	15,253	93	28.88	1		
08/79	233	8	277,926	5,124	1,201,407	21,991	93	28.53	1		
09/79	210	7	278,136	5,176	1,206,583	24,648	90	30.00	1		
10/79	263	9	278,399	6,171	1,212,754	23,464	93	26.12	1		
11/79	259	9	278,658	5,532	1,218,286	21,359	90	25.79	1		
12/79	261	9	278,919	4,606	1,222,892	17,648	93	26.27	1		
Totals	3,003			50,986			1,002				
01/80	250	8	279,169	4,847	1,227,739	19,388	93	27.11	1		
02/80	244	8	279,413	4,497	1,232,236	18,430	87	26.28	1		
03/80	292	10	279,705	6,659	1,238,895	22,805	93	24.16	1		
04/80	180	6	279,885	3,385	1,242,280	18,806	90	33.33	1		

Date	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
05/80	241	8	280,126	3,282	1,245,562	13,618	93	27.84	1		
06/80	134	4	280,260	2,012	1,247,574	15,015	90	40.18	1		
07/80	152	5	280,412	1,865	1,249,439	12,270	93	37.96	1		
08/80	154	5	280,566	1,722	1,251,161	11,182	93	37.65	1		
09/80	150	5	280,716	1,673	1,252,834	11,153	90	37.50	1		
10/80	155	5	280,871	1,708	1,254,542	11,019	93	37.50	1		
11/80	141	5	281,012	1,366	1,255,908	9,688	90	38.96	1		
12/80	165	5	281,177	1,587	1,257,495	9,618	93	36.05	1		
Totals	2,258			34,603			1,098				
01/81	172	6	281,349	1,600	1,259,095	9,302	93	35.09	1		
02/81	85	3	281,434	839	1,259,934	9,871	84	49.70	1		
03/81	91	3	281,525	684	1,260,618	7,516	93	50.54	1		
04/81	86	3	281,611	656	1,261,274	7,628	90	51.14	1		
05/81	80	3	281,691	604	1,261,878	7,550	81	50.31	1		
06/81	66	2	281,757	1,737	1,263,615	26,318	90	57.69	1		
07/81	562	18	282,319	7,267	1,270,882	12,931	93	14.20	1		
08/81	762	25	283,081	9,803	1,280,685	12,865	93	10.88	1		
09/81	614	20	283,695	8,366	1,289,051	13,625	81	11.65	1		
10/81	625	21	284,320	5,384	1,294,435	8,614	78	11.10	1		
11/81	608	20	284,928	5,609	1,300,044	9,225	87	12.52	1		
12/81	470	15	285,398	4,962	1,305,006	10,557	90	16.07	1		
Totals	4,221			47,511			1,053				
01/82	577	24	285,975	5,049	1,310,055	8,750	72	11.09	1	24	
02/82	570	20	286,545	5,013	1,315,068	8,795	84	12.84	1	28	
03/82	435	18	286,980	5,446	1,320,514	12,520	72	14.20	1	24	
04/82	512	18	287,492	4,724	1,325,238	9,227	84	14.09	1	28	
05/82	387	14	287,879	4,005	1,329,243	10,349	78	16.77	1	26	
06/82	383	14	288,262	2,975	1,332,218	7,768	81	17.46	1	27	
07/82	418	14	288,680	7,004	1,339,222	16,756	84	16.73	1	28	
08/82	307	9	288,987	6,553	1,345,775	21,345	93	23.25	1	31	
09/82	546	18	289,533	5,914	1,351,689	10,832	90	14.15	1	30	
10/82	555	17	290,088	5,758	1,357,447	10,375	9,393	94.42	1	31	
11/82	544	18	290,632	5,071	1,362,518	9,322	90	14.20	1	30	
12/82	563	20	291,195	4,555	1,367,073	8,091	84	12.98	1	28	
Totals	5,797			62,067			10,305			335	
01/83	251	8	291,446	3,855	1,370,928	15,359	84	25.07	1	28	
02/83	328	12	291,774	3,456	1,374,384	10,537	78	19.21	1	26	
03/83	631	20	292,405	6,229	1,380,613	9,872	93	12.85	1	31	
04/83	443	14	292,848	4,558	1,385,171	10,289	90	16.89	1	30	
05/83	372	12	293,220	3,819	1,388,990	10,266	87	18.95	1	29	
06/83	440	14	293,660	4,458	1,393,448	10,132	90	16.98	1	30	
07/83	350	11	294,010	3,210	1,396,658	9,171	93	20.99	1	31	
08/83	370	11	294,380	3,771	1,400,429	10,192	93	20.09	1	31	
09/83	343	11	294,723	2,609	1,403,038	7,606	90	20.79	1	30	
10/83	413	13	295,136	3,936	1,406,974	9,530	93	18.38	1	31	

Date	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
11/83	369	12	295,505	3,243	1,410,217	8,789	90	19.61	1	30	
12/83	323	12	295,828	3,039	1,413,256	9,409	75	18.84	1	25	
Totals	4,633			46,183			1,056			352	
01/84	396	13	296,224	3,131	1,416,387	7,907	87	18.01	1	29	
02/84	293	10	296,517	2,717	1,419,104	9,273	87	22.89	1	29	
03/84	399	12	296,916	3,315	1,422,419	8,308	93	18.90	1	31	
04/84	423	14	297,339	2,751	1,425,170	6,504	90	17.54	1	30	
05/84	469	15	297,808	3,469	1,428,639	7,397	93	16.55	1	31	
06/84	513	17	298,321	4,538	1,433,177	8,846	90	14.93	1	30	
07/84	517	16	298,838	5,032	1,438,209	9,733	93	15.25	1	31	
08/84	472	15	299,310	4,734	1,442,943	10,030	93	16.46	1	31	
09/84	488	16	299,798	4,335	1,447,278	8,883	90	15.57	1	30	
10/84	490	16	300,288	4,241	1,451,519	8,655	93	15.95	1	30	
11/84	400	13	300,688	4,008	1,455,527	10,020	90	18.37	1	30	
12/84	444	16	301,132	3,724	1,459,251	8,387	81	15.43	1	27	
Totals	5,304			45,995			1,080			359	
01/85	231	7	301,363	1,673	1,460,924	7,242	93	28.70	1	31	
02/85	505	18	301,868	3,614	1,464,538	7,156	81	13.82	1	27	
03/85	429	13	302,297	3,700	1,468,238	8,625	0	0.00	1	31	
04/85	496	17	302,793	5,017	1,473,255	10,115	0	0.00	1	29	
05/85	555	18	303,348	4,753	1,478,008	8,564	0	0.00	1	30	
06/85	536	17	303,884	4,624	1,482,632	8,627	302	36.04	1	30	
07/85	468	15	304,352	4,188	1,486,820	8,949	201	30.04	1	30	
08/85	511	16	304,863	4,516	1,491,336	8,838	90	14.98	1	31	
09/85	501	16	305,364	4,125	1,495,461	8,234	88	14.94	1	30	
10/85	458	14	305,822	3,745	1,499,206	8,177	206	31.02	1	31	
11/85	438	14	306,260	3,461	1,502,667	7,902	197	31.02	1	30	
12/85	472	15	306,732	3,441	1,506,108	7,290	193	29.02	1	31	
Totals	5,600			46,857			1,451			361	
01/86	482	15	307,214	3,452	1,509,560	7,162	114	19.13	1	31	
02/86	371	14	307,585	3,303	1,512,863	8,903	153	29.20	1	26	
03/86	399	12	307,984	3,288	1,516,151	8,241	165	29.26	1	31	
04/86	434	14	308,418	4,571	1,520,722	10,532	176	28.85	1	30	
05/86	442	14	308,860	3,593	1,524,315	8,129	102	18.75	1	31	
06/86	411	13	309,271	3,455	1,527,770	8,406	95	18.77	1	30	
07/86	437	14	309,708	4,060	1,531,830	9,291	505	53.61	1	31	
08/86	422	13	310,130	3,501	1,535,331	8,296	478	53.11	1	31	
09/86	419	13	310,549	2,606	1,537,937	6,220	56	11.79	1	30	
10/86	328	10	310,877	3,234	1,541,171	9,860	82	20.00	1	31	
11/86	289	9	311,166	1,984	1,543,155	6,865	202	41.14	1	30	
12/86	351	11	311,517	1,656	1,544,811	4,718	204	36.76	1	31	
Totals	4,785			38,703			2,332			363	
01/87	340	10	311,857	3,618	1,548,429	10,641	56	14.14	1	31	
02/87	293	10	312,150	1,390	1,549,819	4,744	48	14.08	1	28	

Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
03/87	316	10	312,466	2,642	1,552,461	8,361	52	14.13	1	31	
04/87	298	9	312,764	2,220	1,554,681	7,450	99	24.94	1	30	
05/87	325	10	313,089	2,982	1,557,663	9,175	119	26.80	1	31	
06/87	295	9	313,384	3,222	1,560,885	10,922	109	26.98	1	30	
07/87	293	9	313,677	4,060	1,564,945	13,857	108	26.93	1	31	
08/87	362	11	314,039	4,508	1,569,453	12,453	0	0.00	1	31	
09/87	297	9	314,336	3,471	1,572,924	11,687	25	7.76	1	30	
10/87	307	9	314,643	4,080	1,577,004	13,290	93	23.25	1	31	
11/87	282	9	314,925	2,990	1,579,994	10,603	28	9.03	1	30	
12/87	255	8	315,180	3,654	1,583,648	14,329	51	16.67	1	31	
Totals	3,663			38,837			788			365	
01/88	287	9	315,467	3,512	1,587,160	12,237	57	16.57	1	31	
02/88	281	9	315,748	3,316	1,590,476	11,801	25	8.17	1	29	
03/88	286	9	316,034	3,222	1,593,698	11,266	0	0.00	1	31	
04/88	249	8	316,283	3,438	1,597,136	13,807	0	0.00	1	30	
05/88	277	8	316,560	3,978	1,601,114	14,361	28	9.18	1	31	
06/88	252	8	316,812	3,891	1,605,005	15,440	25	9.03	1	30	
07/88	262	8	317,074	3,756	1,608,761	14,336	80	23.39	1	31	
08/88	243	7	317,317	4,083	1,612,844	16,802	73	23.10	1	31	
09/88	230	7	317,547	3,871	1,616,715	16,830	70	23.33	1	30	
10/88	271	8	317,818	3,842	1,620,557	14,177	82	23.23	1	31	
11/88	259	8	318,077	2,715	1,623,272	10,483	32	11.00	1	30	
12/88	274	8	318,351	3,765	1,627,037	13,741	34	11.04	1	31	
Totals	3,171			43,389			506			366	
01/89	252	8	318,603	3,600	1,630,637	14,286	31	10.95	1	30	
02/89	216	8	318,819	2,371	1,633,008	10,977	27	11.11	1	27	
03/89	331	10	319,150	3,842	1,636,850	11,607	211	38.93	1	31	
04/89	296	9	319,446	3,010	1,639,860	10,169	188	38.84	1	30	
05/89	196	7	319,642	3,637	1,643,497	18,556	56	22.22	1	28	
06/89	197	6	319,839	3,131	1,646,628	15,893	57	22.44	1	30	
07/89	198	6	320,037	4,173	1,650,801	21,076	57	22.35	1	29	
08/89	230	7	320,267	3,047	1,653,848	13,248	58	20.14	1	31	
09/89	230	7	320,497	3,378	1,657,226	14,687	58	20.14	1	30	
10/89	180	5	320,677	2,845	1,660,071	15,806	0	0.00	1	31	
11/89	222	7	320,899	2,735	1,662,806	12,320	420	65.42	1	30	
12/89	232	7	321,131	2,339	1,665,145	10,082	496	68.13	1	31	
Totals	2,780			38,108			1,659			358	
01/90	162	5	321,293	2,064	1,667,209	12,741	496	75.38	1	31	
02/90	171	6	321,464	1,446	1,668,655	8,456	476	73.57	1	28	
03/90	188	6	321,652	2,187	1,670,842	11,633	465	71.21	1	31	
04/90	185	6	321,837	2,122	1,672,964	11,470	480	72.18	1	30	
05/90	147	4	321,984	2,433	1,675,397	16,551	465	75.98	1	31	
06/90	140	4	322,124	2,644	1,678,041	18,886	406	74.36	1	29	
07/90	174	5	322,298	2,811	1,680,852	16,155	527	75.18	1	31	
08/90	116	3	322,414	1,858	1,682,710	16,017	540	82.32	1	30	

Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
09/90	139	4	322,553	2,506	1,685,216	18,029	540	79.53	1	30	
10/90	152	5	322,705	2,783	1,687,999	18,309	420	73.43	1	30	
11/90	114	3	322,819	1,397	1,689,396	12,254	540	82.57	1	30	
12/90	145	4	322,964	1,576	1,690,972	10,869	465	76.23	1	31	
Totals	1,833			25,827			5,820			362	
01/91	148	4	323,112	1,967	1,692,939	13,291	496	77.02	1	31	
02/91	142	5	323,254	2,107	1,695,046	14,838	392	73.41	1	28	
03/91	139	4	323,393	2,198	1,697,244	15,813	480	77.54	1	30	
04/91	86	2	323,479	2,472	1,699,716	28,744	420	83.00	1	30	
05/91	142	5	323,621	2,079	1,701,795	14,641	351	71.20	1	27	
06/91	111	3	323,732	2,586	1,704,381	23,297	540	82.95	1	30	
07/91	161	5	323,893	2,326	1,706,707	14,447	434	72.94	1	31	
08/91	154	4	324,047	2,908	1,709,615	18,883	589	79.27	1	31	
09/91	140	4	324,187	2,472	1,712,087	17,657	390	73.58	1	30	
10/91	164	5	324,351	2,277	1,714,364	13,884	372	69.40	1	31	
11/91	157	5	324,508	2,354	1,716,718	14,994	420	72.79	1	30	
12/91	99	3	324,607	2,320	1,719,038	23,434	496	83.36	1	31	
Totals	1,643			28,066			5,380			360	
01/92	153	4	324,760	2,333	1,721,371	15,248	403	72.48	1	31	
02/92	249	8	325,009	2,398	1,723,769	9,631	464	65.08	1	29	
03/92	92	2	325,101	2,430	1,726,199	26,413	465	83.48	1	31	
04/92	120	4	325,221	2,183	1,728,382	18,192	120	50.00	1	30	
05/92	111	3	325,332	2,366	1,730,748	21,315	93	45.59	1	31	
06/92	117	4	325,449	2,259	1,733,007	19,308	112	48.91	1	28	
07/92	106	3	325,555	3,085	1,736,092	29,104	124	53.91	1	31	
08/92	108	3	325,663	2,859	1,738,951	26,472	124	53.45	1	31	
09/92	194	6	325,857	1,808	1,740,759	9,320	360	64.98	1	30	
10/92	101	3	325,958	1,945	1,742,704	19,257	93	47.94	1	31	
11/92	103	3	326,061	2,564	1,745,268	24,893	90	46.63	1	30	
12/92	118	4	326,179	1,787	1,747,055	15,144	87	42.44	1	29	
Totals	1,572			28,017			2,535			362	
01/93	207	6	326,386	1,072	1,748,127	5,179	93	31.00	1	31	
02/93	124	4	326,510	1,635	1,749,762	13,185	0	0.00	1	28	
03/93	194	6	326,704	1,953	1,751,715	10,067	0	0.00	1	31	
04/93	130	4	326,834	2,007	1,753,722	15,438	120	48.00	1	30	
05/93	57	1	326,891	2,176	1,755,898	38,175	124	68.51	1	31	
06/93	153	5	327,044	1,846	1,757,744	12,065	120	43.96	1	30	
07/93	125	4	327,169	1,539	1,759,283	12,312	104	45.41	1	26	
08/93	173	5	327,342	2,624	1,761,907	15,168	93	34.96	1	31	
09/93	143	4	327,485	2,466	1,764,373	17,245	90	38.63	1	30	
10/93	150	4	327,635	2,452	1,766,825	16,347	93	38.27	1	31	
11/93	218	7	327,853	1,896	1,768,721	8,697	120	35.50	1	30	
12/93	125	6	327,978	2,501	1,771,222	20,008	100	44.44	1	20	
Totals	1,799			24,167			1,057			349	

Date	Oil Prod	BLS	BBLs	Cum. Oil	Gas Prod	Cum. Gas	GOR	%	# of	Days	Allowables
MO/YR	BLS	/Day	Prod. BBLs	MCF	MCF	SCF/BBLs	Water	Wells	On		
01/94	209	16	328,187	1,012	1,772,234	4,842	52	19.92	1	13	
02/94	241	8	328,428	2,256	1,774,490	9,361	112	31.73	1	28	
03/94	231	7	328,659	2,840	1,777,330	12,294	248	51.77	1	31	
04/94	210	7	328,869	2,525	1,779,855	12,024	240	53.33	1	30	
05/94	200	6	329,069	2,650	1,782,505	13,250	248	55.36	1	31	
06/94	178	6	329,247	1,984	1,784,489	11,146	224	55.72	1	28	
07/94	202	6	329,449	2,087	1,786,576	10,332	248	55.11	1	31	
08/94	189	6	329,638	2,240	1,788,816	11,852	248	56.75	1	31	
09/94	197	6	329,835	2,762	1,791,578	14,020	240	54.92	1	30	
10/94	202	6	330,037	2,477	1,794,055	12,262	248	55.11	1	31	
11/94	201	6	330,238	2,381	1,796,436	11,846	240	54.42	1	30	
12/94	201	6	330,439	2,419	1,798,855	12,035	248	55.23	1	31	
Totals	2,461		27,633				2,596			345	
01/95	203	6	330,642	2,412	1,801,267	11,882	248	54.99	1	31	
02/95	185	6	330,827	2,250	1,803,517	12,162	224	54.77	1	28	
03/95	196	6	331,023	1,973	1,805,490	10,066	248	55.86	1	31	
04/95	178	5	331,201	1,586	1,807,076	8,910	660	78.76	1	30	
05/95	206	6	331,407	1,637	1,808,713	7,947	0	0.00	1	31	
06/95	153	5	331,560	1,787	1,810,500	11,680	0	0.00	1	30	
07/95	133	4	331,693	1,571	1,812,071	11,812	0	0.00	1	31	
08/95	204	6	331,897	2,313	1,814,384	11,338	270	56.96	1	31	
09/95	169	5	332,066	1,777	1,816,161	10,515	1,175	87.43	1	30	
10/95	181	5	332,247	1,599	1,817,760	8,834	593	76.61	1	31	
11/95	166	5	332,413	1,231	1,818,991	7,416	820	83.16	1	30	
12/95	187	6	332,600	1,611	1,820,602	8,615	734	79.70	1	31	
Totals	2,161		21,747				4,972			365	
01/96	197	6	332,797	1,242	1,821,844	6,305	737	78.91	1	31	
02/96	172	5	332,969	1,340	1,823,184	7,791	620	78.28	1	29	
03/96	194	6	333,163	1,352	1,824,536	6,969	696	78.20	1	31	
04/96	175	5	333,338	1,321	1,825,857	7,549	730	80.66	1	30	
05/96	195	6	333,533	1,686	1,827,543	8,646	775	79.90	1	31	
06/96	181	6	333,714	1,459	1,829,002	8,061	745	80.45	1	30	
07/96	151	4	333,865	1,381	1,830,383	9,146	680	81.83	1	31	
08/96	206	6	334,071	2,316	1,832,699	11,243	708	77.46	1	30	
09/96	181	6	334,252	2,049	1,834,748	11,320	733	80.20	1	30	
10/96	194	6	334,446	2,167	1,836,915	11,170	725	78.89	1	31	
11/96	181	6	334,627	2,257	1,839,172	12,470	655	78.35	1	28	
12/96	200	6	334,827	2,242	1,841,414	11,210	775	79.49	1	31	
Totals	2,227		20,812				8,579			363	
01/97	176	5	335,003	1,856	1,843,270	10,545	975	84.71	1	31	
02/97	180	6	335,183	1,836	1,845,106	10,200	840	82.35	1	28	
03/97	172	5	335,355	2,069	1,847,175	12,029	930	84.39	1	31	
04/97	167	5	335,522	1,928	1,849,103	11,545	900	84.35	1	30	
05/97	168	5	335,690	1,972	1,851,075	11,738	900	84.27	1	31	
06/97	92	3	335,782	1,916	1,852,991	20,826	733	88.85	1	30	

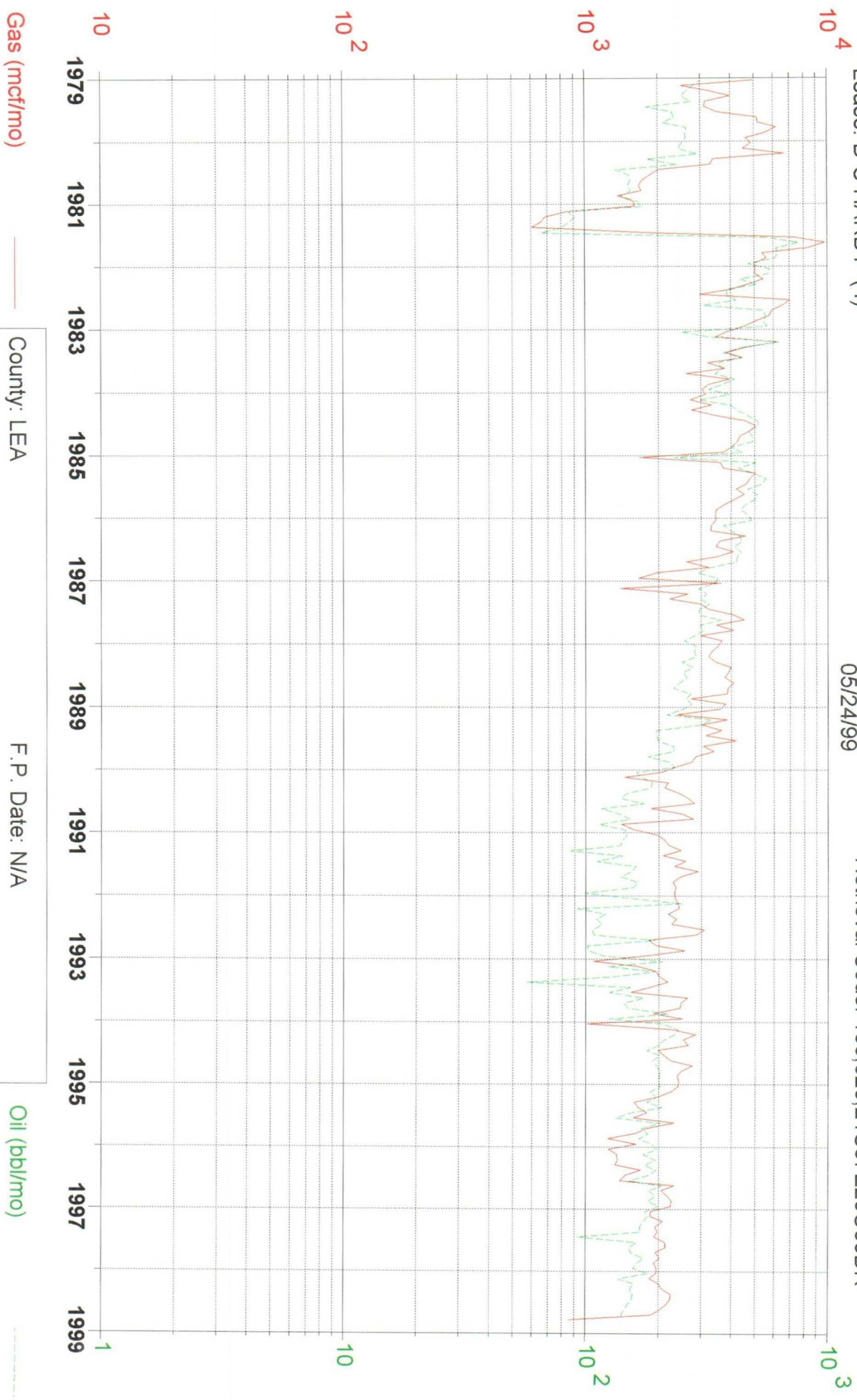
Date	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
07/97	162	5	335,944	2,117	1,855,108	13,068	719	81.61	1	31	
08/97	151	4	336,095	2,138	1,857,246	14,159	686	81.96	1	31	
09/97	153	5	336,248	1,936	1,859,182	12,654	595	79.55	1	30	
10/97	173	5	336,421	2,018	1,861,200	11,665	604	77.73	1	31	
11/97	163	5	336,584	1,913	1,863,113	11,736	600	78.64	1	30	
12/97	156	5	336,740	1,960	1,865,073	12,564	600	79.37	1	31	
Totals	1,913			23,659			9,082			365	
01/98	181	5	336,921	1,960	1,867,033	10,829	620	77.40	1	31	
02/98	136	4	337,057	1,831	1,868,864	13,463	560	80.46	1	28	
03/98	158	5	337,215	1,998	1,870,862	12,646	620	79.69	1	31	
04/98	152	5	337,367	2,065	1,872,927	13,586	600	79.79	1	30	
05/98	156	5	337,523	2,247	1,875,174	14,404	620	79.90	1	31	
06/98	155	5	337,678	2,231	1,877,405	14,394	581	78.94	1	30	
07/98	149	4	337,827	2,156	1,879,561	14,470	608	80.32	1	31	
08/98	144	4	337,971	2,016	1,881,577	14,000	600	80.65	1	31	
09/98	141	4	338,112	1,865	1,883,442	13,227	576	80.33	1	30	
10/98	140	7	338,252	850	1,884,292	6,071	775	84.70	1	19	
11/98	0	0	338,252	0	1,884,292		0		0	0	
12/98	0	0	338,252	0	1,884,292		0		0	0	
Totals	1,512			19,219			6,160			292	

Dwights

Lease: D C HARDY (4)

05/24/99

Retrieval Code: 150,025,21S37E2000DR



Gas (mcf/mo)

County: LEA

Field: DRINKARD (DRINKARD) DR

Reservoir: DRINKARD

Operator: APACHE CORP

F.P. Date: N/A

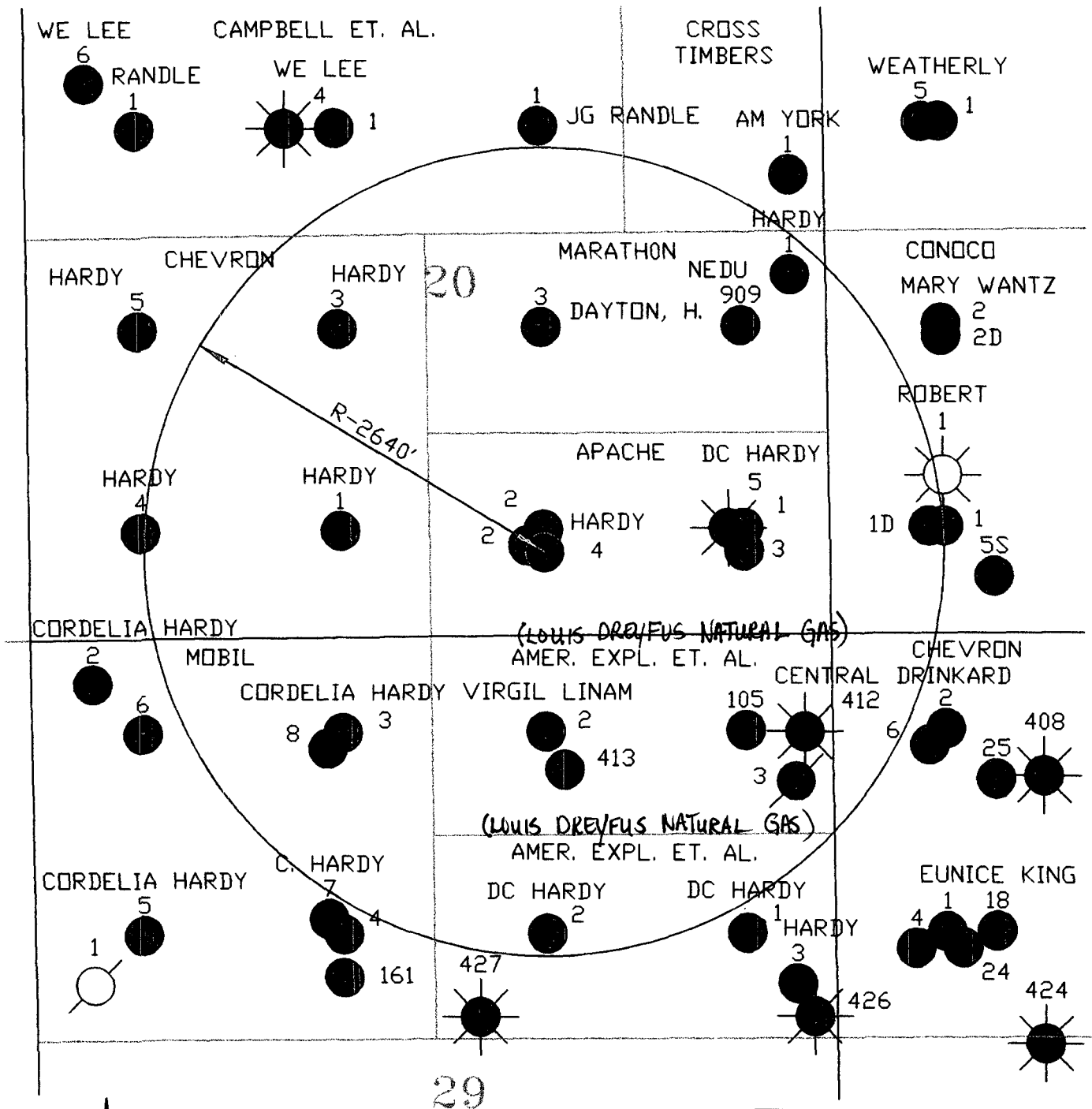
Oil Cum: 338.3 mbbl

Gas Cum: 1884 mmcf

Location: 200 21S 37E

Oil (bbl/mo)

21S 37E



0 1000' 2000'

SCALE: 1" = 1000'



EUNICE AREA
LEA COUNTY, NEW MEXICO

LOCATION PLAT
D. HARDY #4

SEC. 20 T-21-S, R-37-E
510' FSL + 1980' FEL

DATE: 10/13/98	REVISED: 00/00/98	GEOLOGIST:
APACHE/EUNICE Loc 20-A	DRAFTED BY: MGS	DEPT:

Z 142 208 128
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

TIM WOLTERS
C/O NATIONS BANK
P. O. BOX 270
MIDLAND, TX 79702

Z 142 208 129
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

LOUIS DREYFUS NATURAL GAS
(AMERICAN EXPLORATION)
1331 LAMAR - SUITE 800
HOUSTON, TX 77010-3088

Z 142 208 130
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

MOBIL EXPLORATION
500 W. ILLINOIS AVE.
MIDLAND, TX 79701

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 131
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

ATTN: MR. CRAIG WRIGHT
CHEVRON USA
P. O. BOX 1150
MIDLAND, TX 79702

Z 142 208 132
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.

CROSTIMBERS
3000 N. GARFIELD
SUITE 250
MIDLAND, TX 79705

Z 142 208 133
US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

ATTN: MR. J. MILLER
CONOCO
10 DESTA DR.
SUITE 100 WEST
MIDLAND, TX 79705

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 134

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

CAMPBELL & HEDRICK
2003 COUNTRY CLUB DR.
MIDLAND, TX 79701-5718

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 135

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

MARATHON OIL COMPANY
P. O. BOX 3128
HOUSTON, TX 77253-3128

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 784

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

ORCA ENERGY INC
800 TULLY - STE 110
HOUSTON, TX 77079

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 785

US Postal Service

Receipt for Certified Mail

POWHATAN & BEVERLY CARTER
P. O. BOX 328
FORT SUMNER, NM 88119

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 786

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

JAMES VIRGIL LINAM TRUST
P. O. BOX 659566
C/O NORWEST BANK NEW MEXICO
SAN ANTONIO, TX 78265-9566

Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 787

US Postal Service

Receipt for Certified Mail

F. O. LONG ESTATE
P. O. BOX 840738
NATIONS BANK #7/11129600
DALLAS, TX 75284-0738

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 788

US Postal Service

Receipt for Certified Mail

TORTUGA OIL & GAS INC
TWO TURTLE CREEK VILLAGE
3838 OAK LAWN - STE 1216
DALLAS, TX 75219

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 789

US Postal Service

Receipt for Certified Mail

ROGER F. MAKIN
100 RIO VISTA PLACE #109
SANTA FE, NM 87501

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 790

US Postal Service

Receipt for Certified Mail

RAYNARD S. MAKIN, JR.
393 12TH AVE.
INDIAN ROCK BEACH, FL 33785

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 791

US Postal Service

Receipt for Certified Mail

THELMA WEBBER TRUST
P. O. BOX 743
HOBBS, NM 88240

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 792

US Postal Service

Receipt for Certified Mail

ANDERSON CARTER
P. O. BOX 998
LAS CRUCES, NM 88004

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 793

US Postal Service

Receipt for Certified Mail

MOLLY MICHELE AZOPARDI
P. O. BOX 620
WIMBERLEY, TX 78676

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 148 794

US Postal Service

Receipt for Certified Mail

VELMA HARDIN
1512 10TH ST.
LUBBOCK, TX 79401

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 795

US Postal Service

Receipt for Certified Mail

CHARLES S. LONGCOPE JR
7157 JOYCE WAY
DALLAS, TX 75225-1730

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 796

US Postal Service

Receipt for Certified Mail

KAY LONGCOPE
216 BONNIVIEW
AUSTIN, TX 78704

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 797

US Postal Service

Receipt for Certified Mail

EDMUND LONGSCOPE
400 W. HOPKIN ST. - SUITE 203
SAN MARCOS, TX 78666-4462

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 798

US Postal Service

Receipt for Certified Mail

MARY NELL ROYER
10011 CARIBOU TRAIL
DALLAS, TX 75238

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 799

US Postal Service

Receipt for Certified Mail

IRENE PADDACK
1217 EAST HESTER
BROWNFIELD, TX 79316

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 116 148 800

US Postal Service

Receipt for Certified Mail

MILDRED ADAMS
1112 PECOS DR.
BROWNFIELD, TX 79316

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 151 079

US Postal Service

Receipt for Certified Mail

TOM L. ADAMS
1202 EAST HARRIS
BROWNFIELD, TX 79316

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 151 080

US Postal Service

Receipt for Certified Mail

WM KYLE ADAMS TUST
1717 E. TATE
BROWNFIELD, TX 79316

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 151 078

US Postal Service

Receipt for Certified Mail

HART REVOCABLE TRUST
13101 PRESTON RD - SUITE 400
DALLAS, TX 75240-5230

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 152 481

US Postal Service

Receipt for Certified Mail

NORA WALKER
3315 54TH ST.
LUBBOCK, TX 79413-4207

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 151 204

US Postal Service

Receipt for Certified Mail

NANCY PENSON
1201 ELM ST #4255
DALLAS, TX 75270

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 151 205

US Postal Service

Receipt for Certified Mail

UNIVERSITY OF NEW MEXICO
REGENTS
SCHOLES HALL RM 260
NM UNIVERSITY PRE-AUDIT DEPT.
ALBUQUERQUE, NM 87131

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 150 837

US Postal Service

Receipt for Certified Mail

NEW MEXICO BOYS RANCH INC.
6209 HENDRIX NE
ALBUQUERQUE, NM 87110

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 150 838

US Postal Service

Receipt for Certified Mail

BOYS CLUB OF AMERICA
1230 W. PEACHTREE ST. NW
NATIONAL HEADQUARTERS
ATLANTA, GA 30309-3447

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 150 839

US Postal Service

Receipt for Certified Mail

JACK STIEREN EST.
P. O. BOX 791225
SAN ANTONIO, TX 78279-1225

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 116 150 840

US Postal Service

Receipt for Certified Mail

ROBERT J. LEONARD
P. O. BOX 400
ROSWELL, NM 88202-0400

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 111

US Postal Service

Receipt for Certified Mail

SHATTUCK ST. MARYS SCHOOLS
P. O. BOX 218
FARIBAULT, MN 55021-0218

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 112
US Postal Service
Receipt for Certified Mail

MUIRFIELD-PETROTIGER LTD
P. O. BOX 3166
TULSA, OK 74101-3166

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 113
US Postal Service
Receipt for Certified Mail

PENN BROTHERS INC.
TWO TURTLE CREEK VILLAGE
3838 OAK LAWN - SUITE 1216
DALLAS, TX 75219-453

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 114
US Postal Service
Receipt for Certified Mail

NORMA J. BARTON
P. O. BOX 729
HOBBS, N, 88240

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 115
US Postal Service
Receipt for Certified Mail

TIMOTHY LEONARD
P. O. BOX 2625
EAGLE PASS, TX 78853

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 116
US Postal Service
Receipt for Certified Mail

ROY & OPAL BARTON TRUST
1919 N. TURNER ST.
HOBBS, NM 88240-2712

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 117
US Postal Service
Receipt for Certified Mail

ELKS NATIONAL FOUNDATION
A. PATRICIA KAVANAUGH EXEC.
DIR.
2750 LAKE VIEW AVE.
CHICAGO, IL 60614-1806

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 118
US Postal Service
Receipt for Certified Mail

B.H. SIMMONS TEST TRUST A
FBO JEAN SIMMONS (1013033)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 119
US Postal Service
Receipt for Certified Mail

JE SIMMONS TEST TRUST B
FBO MARY JANE HAND (1013084)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 120
US Postal Service
Receipt for Certified Mail

JE SIMMONS TEST TRUST A
FBO JEAN SIMMONS (1013076)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 121
US Postal Service
Receipt for Certified Mail

RONALD J. BYERS
400 W. 15TH ST. - SUITE 1600
AUSTIN, TX 78701

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 122
US Postal Service
Receipt for Certified Mail

ROY G. BARTON, JR.
1919 N. TURNER ST.
HOBBS, NM 88241-2712

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 123
US Postal Service
Receipt for Certified Mail

SHRINERS HOSPITAL FOR CHILDREN
P. O. BOX 277457
ATLANTA, GA 30384-7457

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Z 142 208 124
US Postal Service
Receipt for Certified Mail

MOBIL OIL CORPORATION
P. O. BOX 890328
DALLAS, TX 75389-0328

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 125
US Postal Service
Receipt for Certified Mail
B.H. SIMMONS TEST TRUST B
FBO MARY JANE HAND (1013068)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 126
US Postal Service
Receipt for Certified Mail
ALLIE M. LEE TRUST
C/o NORWEST BANK NEW MEXICO,
NA
P. O. BOX 659566
SAN ANTONIO, TX 78265-9566

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

Z 142 208 127
US Postal Service
Receipt for Certified Mail

PAULINE A. ADAMS
1717 E. TATE
BROWNFIELD, TX 79316

PS Form 3800, April 1995

Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	



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

[713] 296-6000

May 19, 1999

(SEE ATTACHED LIST)

**RE: Application to Downhole Commingle
D. C. Hardy Well No. #4
Eunice Area
Lea County, New Mexico**

Dear Sir:

Apache Corporation, as operator of the subject well, is proposing to downhole commingling the Blinebry, Tubb and Drinkard zones in the above referenced well. Commingling production will enhance the economic operations of this well.

Should you have in questions concerning this application, please contact Frances Byers at (713) 296-6361.

Sincerely,

APACHE CORPORATION

A handwritten signature in cursive script that reads "Frances M. Byers".

Frances M. Byers
Sr. Engineering Tech

Attachments

D. C. HARDY LEASE SURFACE OWNER & OFFSET OPERATORS

SURFACE OWNER

TIM WOLTERS
C/O NATIONS BANK
P. O. BOX 270
MIDLAND, TX 79702

OFFSET OPERATORS

LOUIS DREYFUS NATURAL GAS
(AMERICAN EXPLORATION)
1331 LAMAR – SUITE 800
HOUSTON, TX 77010-3088

MOBIL EXPLORATION
500 W. ILLINOIS AVE.
MIDLAND, TX 79701

CHEVRON USA
P. O. BOX 1150
MIDLAND, TX 79702

CAMPBELL & HEDRICK
2003 COUNTRY CLUB DR.
MIDLAND, TX 79701-5718

MARATHON OIL COMPANY
P. O. BOX 3128
HOUSTON, TX 77253-3128

CROSSTIMBERS
3000 N. GARFIELD
SUITE 250
MIDLAND, TX 79705

ATTN: MR. J. MILLER
CONOCO
10 DESTA DR.
SUITE 100 WEST
MIDLAND, TX 79705

D. C. HARDY ROYALTY OWNERS

ORCA ENERGY INC
800 TULLY – STE 110
HOUSTON, TX 77079

POWHATAN & BEVERLY CARTER
P. O. BOX 328
FORT SUMNER, NM 88119

JAMES VIRGIL LINAM TRUST
P. O. BOX 659566
C/O NORWEST BANK NEW MEXICO
SAN ANTONIO, TX 78265-9566

F. O. LONG ESTATE
P. O. BOX 840738
NATIONS BANK #7/11129600
DALLAS, TX 75284-0738

TORTUGA OIL & GAS INC
TWO TURTLE CREEK VILLAGE
3838 OAK LAWN – STE 1216
DALLAS, TX 75219

ROGER F. MAKIN
100 RIO VISTA PLACE #109
SANTA FE, NM 87501

RAYNARD S. MAKIN, JR.
393 12TH AVE.
INDIAN ROCK BEACH, FL 33785

THELMA WEBBER TRUST
P. O. BOX 743
HOBBS, NM 88240

ANDERSON CARTER
P. O. BOX 998
LAS CRUCES, NM 88004

MOLLY MICHELE AZOPARDI
P. O. BOX 620
WIMBERLEY, TX 78676

VELMA HARDIN
1512 10TH ST.
LUBBOCK, TX 79401

CHARLES S. LONGCOPE JR
7157 JOYCE WAY
DALLAS, TX 75225-1730

KAY LONGCOPE
216 BONNIVIEW
AUSTIN, TX 78704

EDMUND LONGSCOPE
400 W. HOPKIN ST. – SUITE 203
SAN MARCOS, TX 78666-4462

MARY NELL ROYER
10011 CARIBOU TRAIL
DALLAS, TX 75238

IRENE PADDACK
1217 EAST HESTER
BROWNFIELD, TX 79316

MILDRED ADAMS
1112 PECOS DR.
BROWNFIELD, TX 79316

TOM L. ADAMS
1202 EAST HARRIS
BROWNFIELD, TX 79316

WM KYLE ADAMS TUST
1717 E. TATE
BROWNFIELD, TX 79316

HART REVOCABLE TRUST
13101 PRESTON RD – SUITE 400
DALLAS, TX 75240-5230

NORA WALKER
3315 54TH ST.
LUBBOCK, TX 79413-4207

NANCY PENSON
1201 ELM ST #4255
DALLAS, TX 75270

UNIVERSITY OF NEW MEXICO
REGENTS
SCHOLES HALL RM 260
NM UNIVERSITY PRE-AUDIT DEPT.
ALBUQUERQUE, NM 87131

NEW MEXICO BOYS RANCH INC.
6209 HENDRIX NE
ALBUQUERQUE, NM 87110

BOYS CLUB OF AMERICA
1230 W. PEACHTREE ST. NW
NATIONAL HEADQUARTERS
ATLANTA, GA 30309-3447

JACK STIEREN EST.
P. O. BOX 791225
SAN ANTONIO, TX 78279-1225

ROBERT J. LEONARD
P. O. BOX 400
ROSWELL, NM 88202-0400

D. C. HARDY ROYALTY OWNERS

SHATTUCK ST. MARYS SCHOOLS
P. O. BOX 218
FARIBAULT, MN 55021-0218

MUIRFIELD-PETROTIGER LTD
P. O. BOX 3166
TULSA, OK 74101-3166

PENN BROTHERS INC.
TWO TURTLE CREEK VILLAGE
3838 OAK LAWN – SUITE 1216
DALLAS, TX 75219-453

NORMA J. BARTON
P. O. BOX 729
HOBBS, N, 88240

TIMOTHY LEONARD
P. O. BOX 2625
EAGLE PASS, TX 78853

ROY & OPAL BARTON TRUST
1919 N. TURNER ST.
HOBBS, NM 88240-2712

ELKS NATIONAL FOUNDATION
A. PATRICIA KAVANAUGH EXEC.
DIR.
2750 LAKE VIEW AVE.
CHICAGO, IL 60614-1806

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FBO JEAN SIMMONS (1013033)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

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SAN ANTONIO, TX 78265-9564

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LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

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400 W. 15TH ST. – SUITE 1600
AUSTIN, TX 78701

ROY G. BARTON, JR.
1919 N. TURNER ST.
HOBBS, NM 88241-2712

SHRINERS HOSPITAL FOR CHILDREN
P. O. BOX 277457
ATLANTA, GA 30384-7457

MOBIL OIL CORPORATION
P. O. BOX 890328
DALLAS, TX 75389-0328

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FBO MARY JANE HAND (1013068)
NORWEST BANK TEXAS TRUSTEE
LUBBOCK
P. O. BOX 659564
SAN ANTONIO, TX 78265-9564

ALLIE M. LEE TRUST
C/o NORWEST BANK NEW MEXICO,
NA
P. O. BOX 659566
SAN ANTONIO, TX 78265-9566

PAULINE A. ADAMS
1717 E. TATE
BROWNFIELD, TX 79316

DH C-2365



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

GOVERNOR

6/4/99

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC _____
DHC _____ X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Apache Corp DC Hardy #4-0 20-21s-37e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Recommend approval

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed