

AMEND DHC

6/3/99

CORPORATION

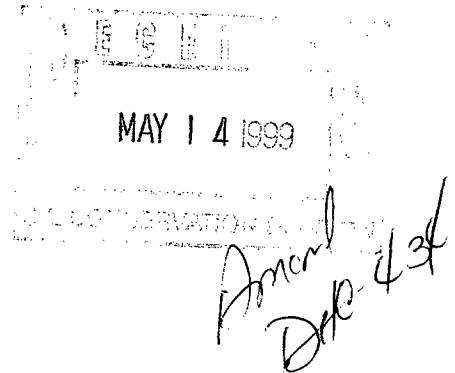
2000 POST OAK BOULEVARD / SUITE 100 / HOUSTON, TEXAS 77056-4400

(713) 296-6000

May 11, 1999

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

RE: Application to Amend Downhole Commingle Permits
State "C" Tract 12 Well Nos. #3, #4, and #7
State "C" Tract 13 Well No. #5
State "CK" Well No. #3
Eunice Area
Lea County, New Mexico



Dear Sir:

Apache Corporation is proposing to amend the downhole commingling permits on the above five wells. 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 expects to have the same response on the above referenced wells. Commingling production will enhance the economic operations of these wells.

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

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

Sincerely,
Apache Corporation

Frances M. Byers
Sr. Engineer Tech

Attachments

ALLOCATION PERCENTAGE TABLE

<u>Well Name</u>	<u>Test</u>	<u>Oil %</u>	<u>Gas%</u>
State C Tract 12 #3			
Skelly Penrose	10 BOPD x 3 BWPD x 20 MCFD	36%	26%
Blinebry	1 BOPD x 1 BWPD x 15 MCFD	4%	19%
Tubb	2 BOPD x 1 BWPD x 41 MCFD	7%	53%
Drinkard	15 BOPD x 1 BWPD x 10 MCFD	53%	2%
TOTAL	28 BOPD x 6 BWPD x 78 MCFD		
State C Tract 12 #4			
Paddock	25 BOPD x 87 BWPD x 9 MCFD	35%	27%
Blinebry	11 BOPD x 3 BWPD x 90 MCFD	15%	38%
Tubb	26 BOPD x 3 BWPD x 90 MCFD	37%	38%
Drinkard	9 BOPD x 22 BWPD x 50 MCFD	13%	21%
TOTAL	71 BOPD x 139 BWPD x 239 MCFD		
State C Tract 13 #5			
Blinebry	1 BOPD x 1 BWPD x 78 MCFD	50%	50%
Tubb	0 BOPD x 0 BWPD x 44 MCFD	0%	28%
Drinkard	1 BOPD x 2 BWPD x 36 MCFD	50%	22%
TOTAL	2 BOPD x 3 BWPD x 158 MCFD		
State C Tract 12 #7			
Blinebry	1 BOPD x 1 BWPD x 44 MCFD	14%	42%
Tubb	5 BOPD x 3 BWPD x 40 MCFD	72%	28%
Drinkard	1 BOPD x 1 BWPD x 20 MCFD	14%	20%
TOTAL	7 BOPD x 5 BWPD x 104 MCFD		
State "CK" #3			
Paddock	25 BOPD x 80 BWPD x 9 MCFD	96%	4%
Blinebry	0 BOPD x 0 BWPD x 70 MCFD	0%	35%
Tubb	0 BOPD x 0 BWPD x 53 MCFD	0%	22%
Drinkard	1 BOPD x 2 BWPD x 30 MCFD	4%	39%
TOTAL	26 BOPD x 82 BWPD x 201 MCFD		

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

STATE -C- TRACT 12 **4** **F - Sec. 16, T21S, R37E** **LEA**
Lease Well No. Unit Ltr.-Sec-Twp-Rgn County

Spacing Unit Lease Types: (one or more)

☐ Federal ☒ State ☐ Fee

OGRID NO. **000873** Property Code **023113** API No. **30-025-06626**

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	PADDOCK	BLINEBRY	TUBB/86440 DRINKARD/60240
2. Top and Bottom of Pay Section (Perforations)	5144' - 5158'	5638' - 5998'	6044'-6304' 6432' - 6694'
3. Type of production (Oil or Gas)	GAS & OIL	GAS & OIL	GAS & OIL
4. Method of Production (Flowing or Artificial Lift)	AL	AL	FL FL
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	a. (Current) 500 b. (Original)	a. 600 b. 600-1000	a. 600 600 500-600 500-600
6. Oil Gravity (°API) or Gas BTU Content	37.7	36.6	37 37
7. Producing or Shut-In? Production Marginal? (Yes or No) ° If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, 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)	NOT COMPLETED Y Date: 03/16/99 Rates: (ANTICIPATED BY STATE CK #3 TEST) 25 BOPD, 87 BWPD, 9 MCFPD Date: Rates:	SI Y Date: 02/84 LAST TEST PRIOR ABDN Rates: 11 BOPD, 3 BWPD, 90 MCFPD Date: Rates:	SI Y Date: 7/93 LAST TEST PRIOR ABDN Rates: 26 BOPD, 3 BWPD, 90 MCFPD Date: 07/93 LAST TEST PRIOR ABDN Rates: 9 BOPD, 22 BWPD, 50 MCFPD (DRINK) Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: Gas: 35% 27%	Oil: Gas: 15% 38%	Oil: Gas: 37%(T) - 13%(D) 38%(T) - 21%(D)

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 **DHC #434**

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

Frances Byers

TITLE Sr. Engineering Tech

DATE 4/28/99

TYPE OR PRINT NAME

Frances M. Byers

TELEPHONE NO.

(713) 296-6361

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

RECEIVED

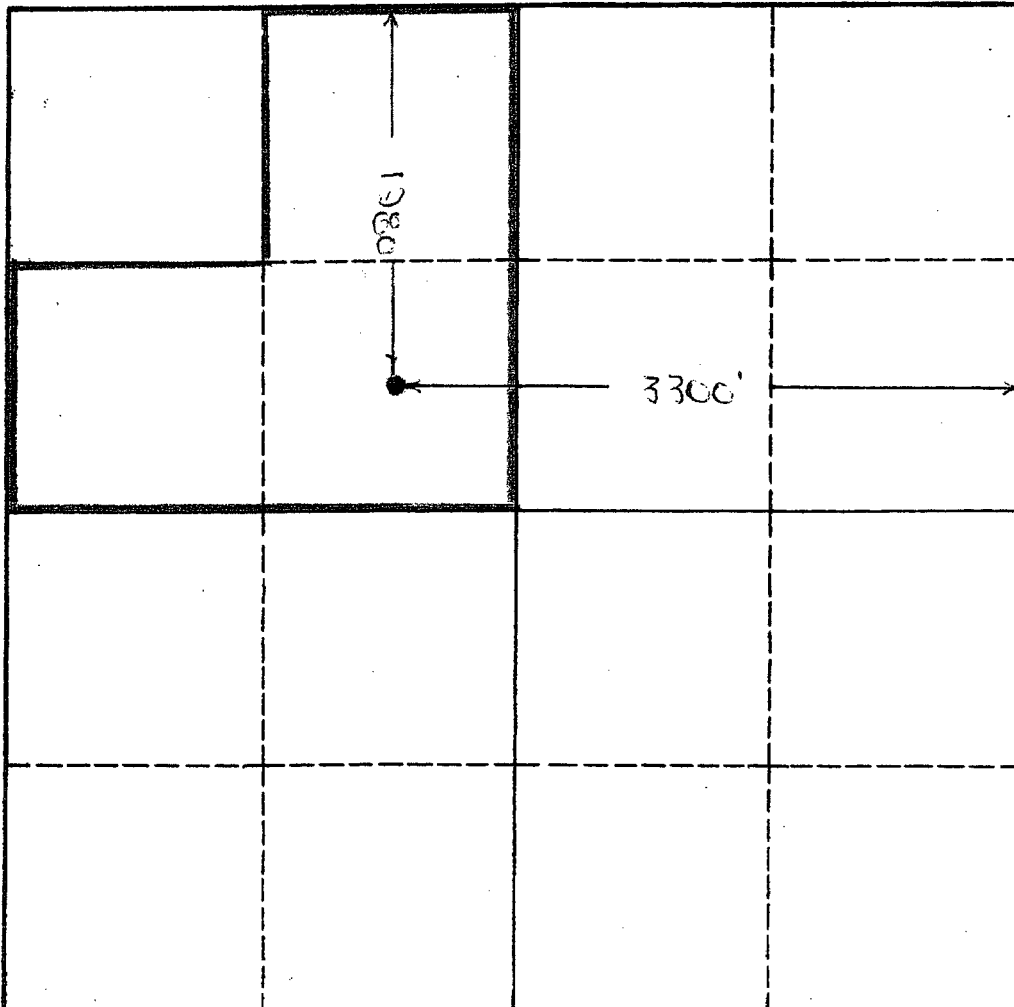
PAN AMERICAN
PETROLEUM CO.
JAN 16 1962
DUBBS, N. J.

Operator APACHE CORPORATION		Lease State "0" Tract 12		Well No. 12
Unit Letter F	Section 16	Township 21 N	Range 37 E	County Lea
Actual Footage Location of Well: 1900 feet from the North line and 3300 feet from the East line				
Ground Level Elev. 3477	Producing Formation PADDOCK	Pool PADDOCK	Dedicated Acreage 120 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name Original Signed by:
V. E. STALEY

Position

Area Superintendent

Company

Pan American Petrol. Corp.

Date

January 8, 1962

I hereby certify that the well location shown on the plat in SECTION B 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

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

RECEIVED

PAN AMERICAN
PETROLEUM CO.
JAN 15 1962
DUBBS, N. J.

Operator
APACHE CORPORATION

SECTION A

Lease

State "0" Tract 12

Well No.

1 14

Unit Letter

F

Section

16

Township

21 S

Range

37 E

County

Lea

Actual Footage Location of Well

1980

feet from the

North

line and

3300

feet from the

East

line

API

Ground Level Elev.

3477

Producing Formation

Blindery

Pool

Blindery - Gas

Dedicated Acreage

120

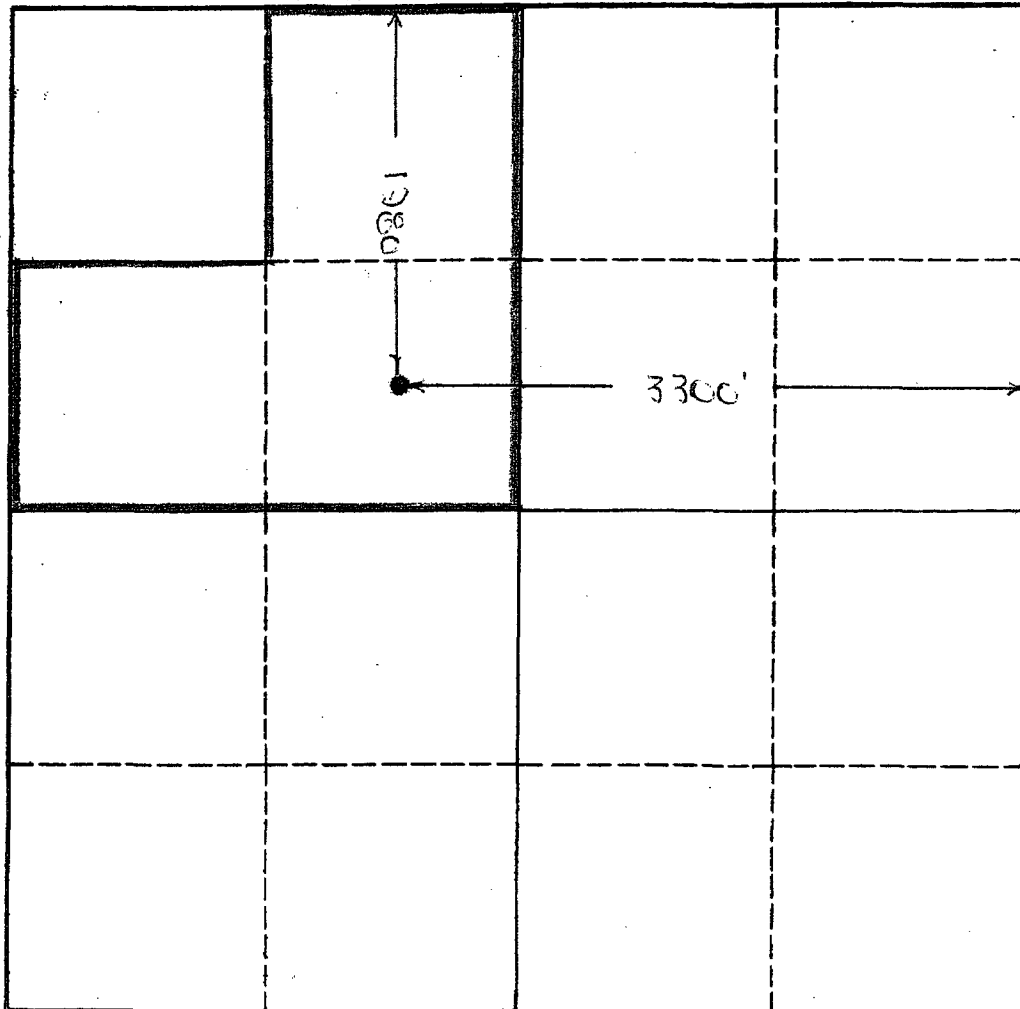
OF Acres

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Owner

Land Description

SECTION B



CERTIFICATION

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

Name Original Signed by:

V. E. STALEY

Position

Area Superintendent

Company

Pan American Petre. Corp.

Date

January 8, 1962

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Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

FORM C-128
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

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PAN AMERICAN
PETROLEUM CO.
JAN 18 1962
HOBBBS, N. M.

Operator **APACHE CORPORATION**

SECTION A

Lease

State of N. M. Tract 12

Well No.

1 14

Unit Letter

F

Section

16

Township

21 N

Range

37 E

County

Lea

AC

Actual Footage Location of Well:

1900

feet from the

North

line and

3300

feet from the

East

line

AFI

Ground Level Elev.

3477

Producing Formation

TUBB

Pool

TUBB

Dedicated Acreage

120

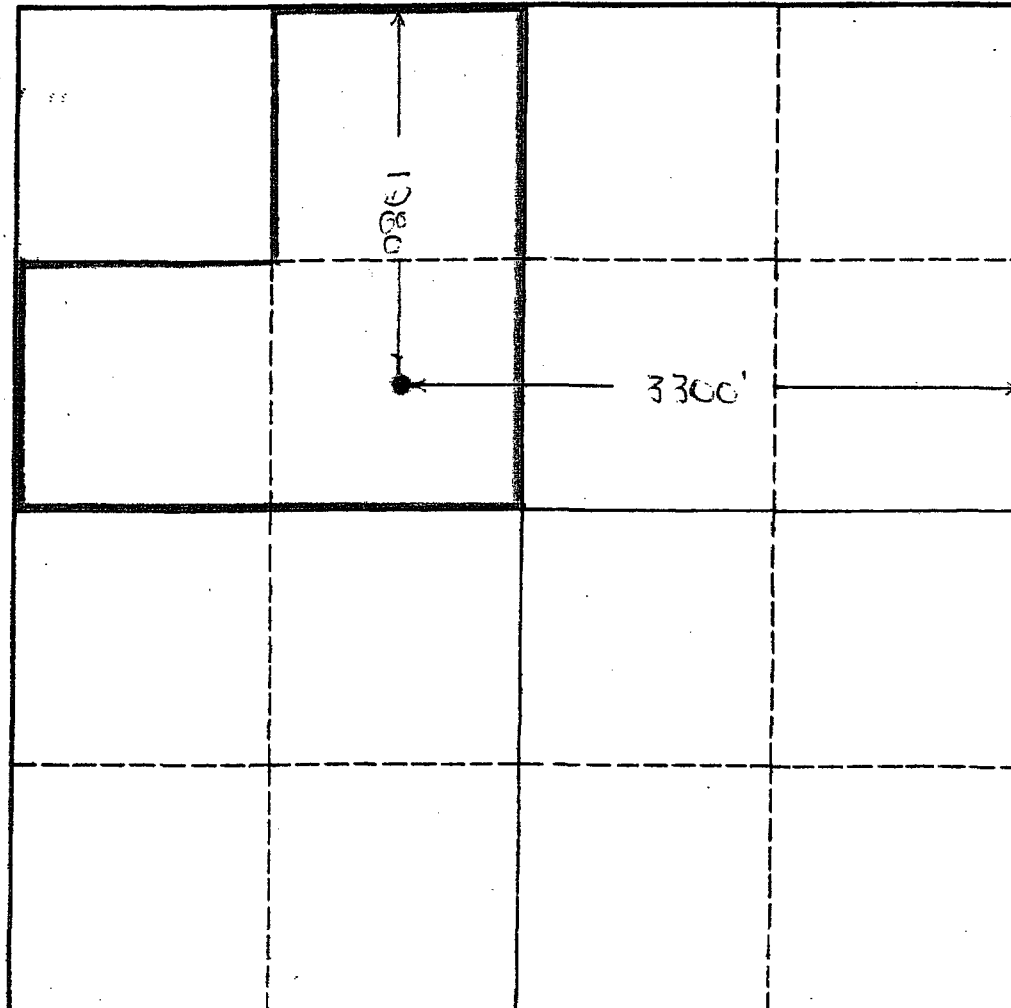
Acres

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3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

SECTION B



CERTIFICATION

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

Name Original Signed by:

V. E. STALEY

Position

Area Superintendent

Company

Pan American Petrol. Corp.

Date

January 8, 1962

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Date Surveyed

Registered Professional Engineer
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Certificate No.

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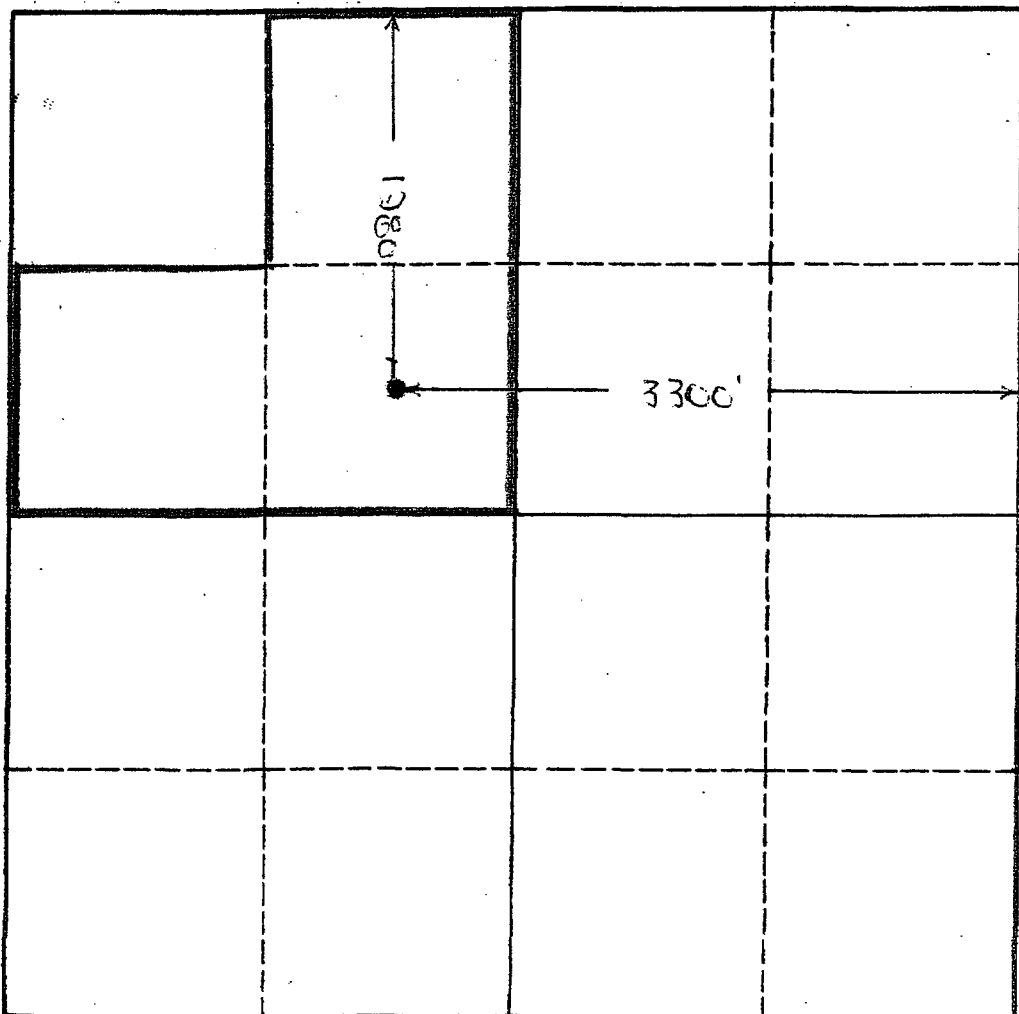
Operator APACHE CORPORATION		Lease State "G" Tract 12		Well No. 1 13
Unit Letter F	Section 16	Township 21 N	Range 37 E	County Lea

Actual Footage Location of Well: 1980 feet from the North line and 3300 feet from the East line		AC
Ground Level Elev. 3477	Producing Formation DRINKARD	Pool DRINKARD
Dedicated Acreage 1.20		Acres

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (a) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ . If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



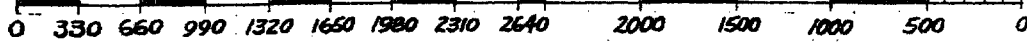
CERTIFICATION

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

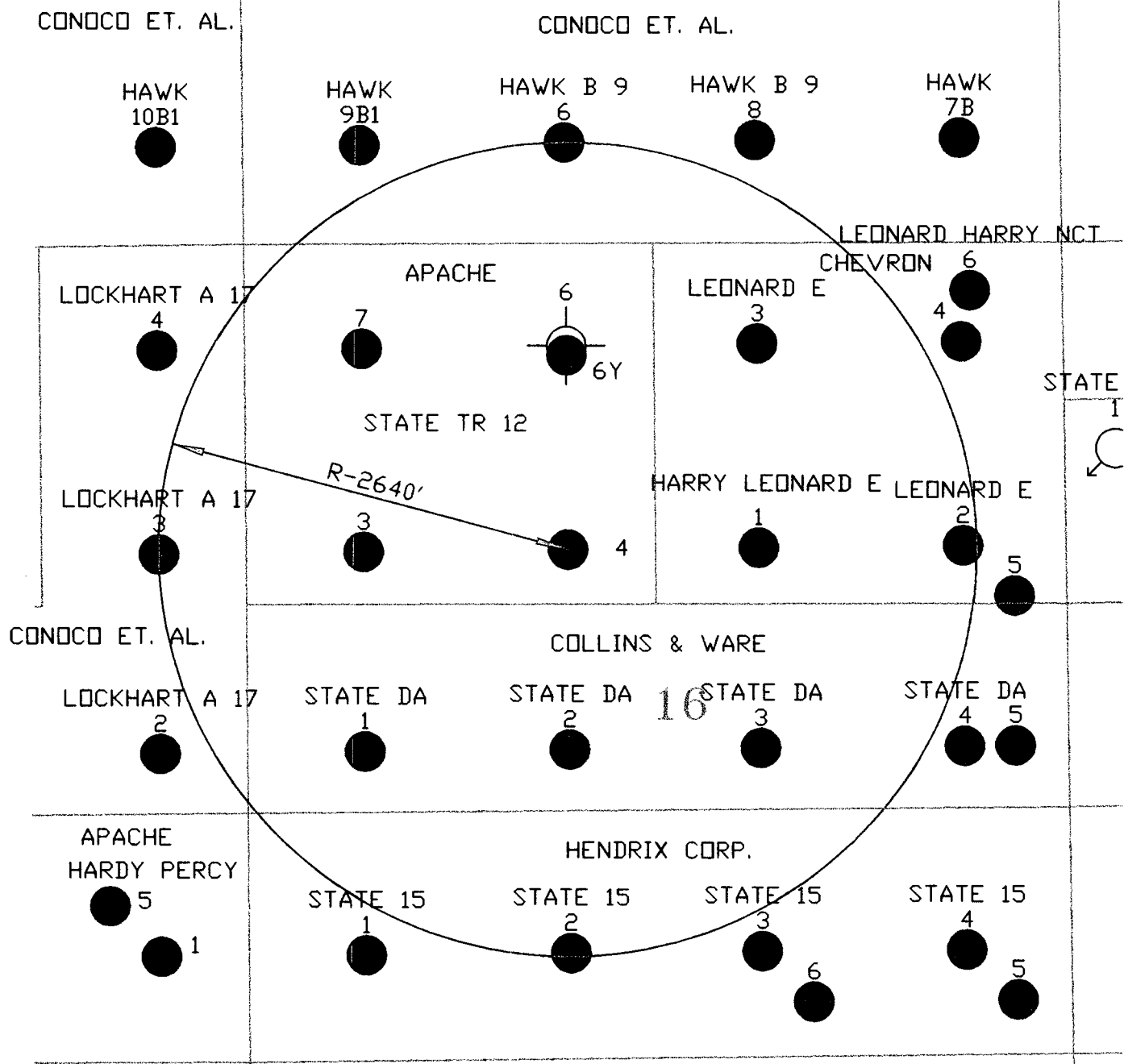
Name Original Signed by: V. E. STALEY
Position Area Superintendent
Company Pan American Petrol. Corp.
Date January 8, 1962

I hereby certify that the well location shown on the plat in SECTION B 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
Registered Professional Engineer and/or Land Surveyor
Certificate No.



21S 37E



0 1000' 2000'

SCALE: 1" = 1000'



EUNICE AREA
LEA COUNTY, NEW MEXICO

LOCATION PLAT
STATE C TR 12 #4
SEC.16 T-21-S,R-37-E

DATE: 05/06/99	REVISED: 00/00/99	GEOLOGIST:
J. PERM/EUNICE Loc 16-4	DRAFTED BY: HES	GEOLOGIST:

Dwight's Energydata Inc.
TX - NM Permian
New Mexico Oil

Run Date: 5/13/99
Published 3/99
(#150,025,21S37E16F00DR)

Operator:	APACHE CORP	Last Production Date:	10/98
Well/Lease Name:	STATE C TR 12	Cum. Thru L. P. Date Oil:	209,925
Well #:	4	Cum. Thru L. P. Date Gas:	2,169,124
Location:	16F 21S 37E	Gas Cum. Since Date:	01/59
State:	NM		
District:	002		
County:	LEA		
Regulatory #:			
API #:	30-025-0662600		
Field:	DRINKARD (DRINKARD) DR		
Reservoir:	DRINKARD		
Basin:	PERMIAN BASIN		
Gas Gatherer:	WARRE		
Liquid Gatherer:	TEXNE		
Status Date:			
Status:	ACT		

Year	Oil Prod BBLs	Gas Prod MCF	Water BBLs	# of Wells	Days On	Allowables
1970	1,374	76,193	365	1		
1971	1,295	101,594	365	1		
1972	915	84,555	508	1		
1973	772	80,597	255	1		
1974	1,861	97,836	488	1		
1975	2,469	99,757	274	1		
1976	1,341	50,246	303	1		
1977	806	45,109	885	1		
1978	916	17,016	40	1		
1979	934	20,962		1		
1980	1,195	35,442	118	1		
1981	1,333	52,169	54	1		
1982	2,378	44,060	1,265	1	320	
1983	296	6,538	137	1	82	
1984	865	37,560	509	1	306	
1985	656	27,839	478	1	357	
1986	623	28,584	493	1	257	
1987	515	35,046	2,696	1	361	
1988	436	30,013	657	1	366	
1989	227	11,272	284	1	220	
1991	935	13,257	725	1	328	
1992	404	12,700	327	1	366	
1993	729	32,227	500	1	360	
1994	1,041	61,788	698	1	362	
1995	505	44,853		1	361	
1996	241	21,523		1	366	
1997	221	12,850		1	243	
1998	424	9,051	1,181	1	304	

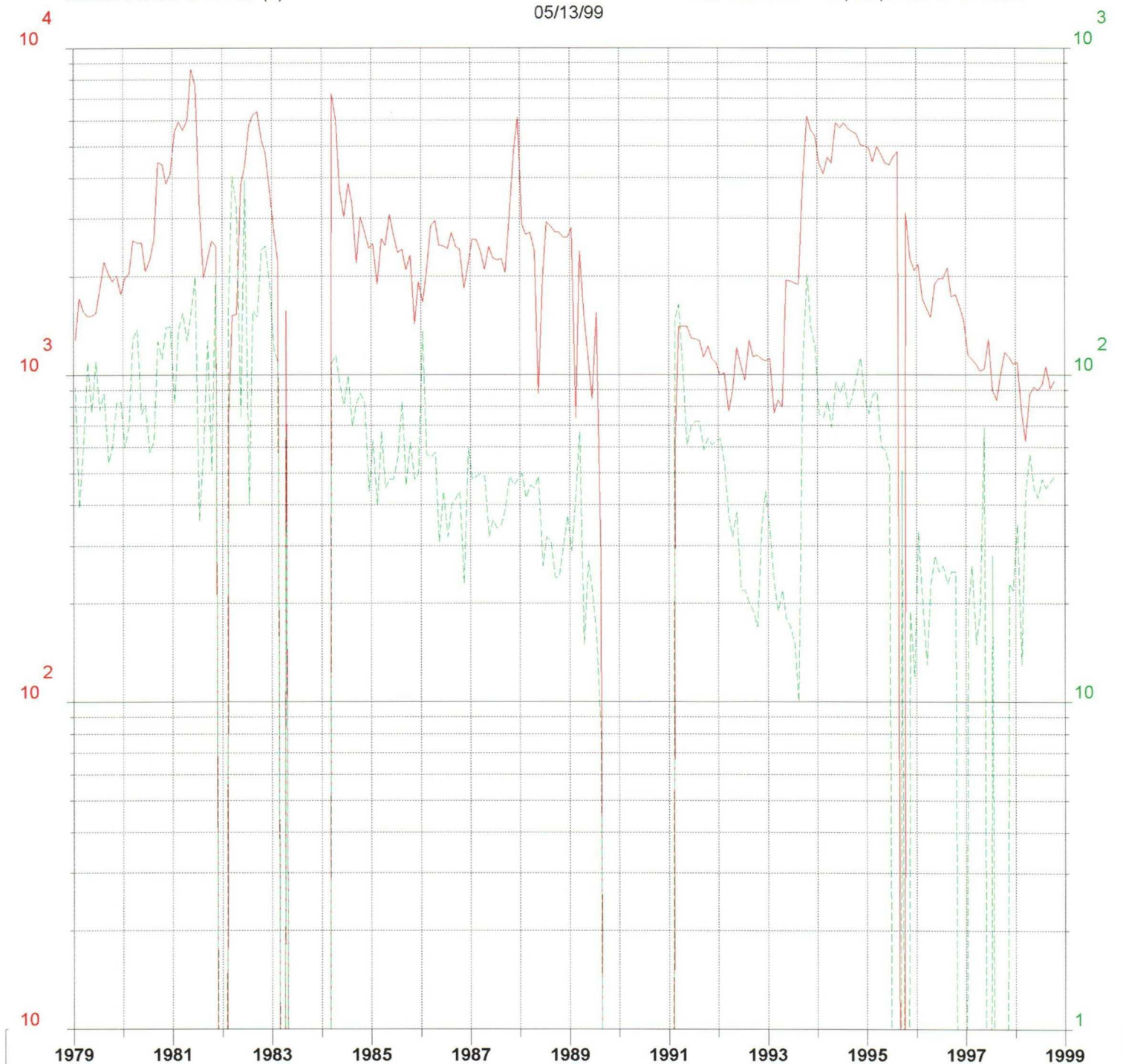
Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
01/95	76	2	208,610	4,935	2,085,782	64,934			1	31	
02/95	87	3	208,697	4,462	2,090,244	51,287			1	28	
03/95	89	2	208,786	4,987	2,095,231	56,034			1	31	
04/95	60	2	208,846	4,720	2,099,951	78,667			1	30	
05/95	59	1	208,905	4,430	2,104,381	75,085			1	31	
06/95	52	1	208,957	4,382	2,108,763	84,269			1	30	
07/95	0	0	208,957	4,660	2,113,423				1	31	
08/95	0	0	208,957	4,804	2,118,227				1	31	
09/95	51	1	209,008	0	2,118,227	0			1	30	
10/95	0	0	209,008	3,116	2,121,343				1	27	
11/95	19	0	209,027	2,271	2,123,614	119,526			1	30	
12/95	12	0	209,039	2,086	2,125,700	173,833			1	31	
Totals	505			44,853						361	
01/96	33	1	209,072	2,174	2,127,874	65,879			1	31	
02/96	20	0	209,092	1,706	2,129,580	85,300			1	29	
03/96	13	0	209,105	1,591	2,131,171	122,385			1	31	
04/96	23	0	209,128	1,499	2,132,670	65,174			1	30	
05/96	28	0	209,156	1,901	2,134,571	67,893			1	31	
06/96	25	0	209,181	1,969	2,136,540	78,760			1	30	
07/96	26	0	209,207	1,973	2,138,513	75,885			1	31	
08/96	23	0	209,230	2,123	2,140,636	92,304			1	31	
09/96	25	0	209,255	1,735	2,142,371	69,400			1	30	
10/96	25	0	209,280	1,759	2,144,130	70,360			1	31	
11/96	0	0	209,280	1,624	2,145,754				1	30	
12/96	0	0	209,280	1,469	2,147,223				1	31	
Totals	241			21,523						366	
01/97	19	0	209,299	1,148	2,148,371	60,421			1	31	
02/97	26	0	209,325	1,118	2,149,489	43,000			1	28	
03/97	15	0	209,340	1,077	2,150,566	71,800			1	31	
04/97	19	0	209,359	1,029	2,151,595	54,158			1	30	
05/97	69	2	209,428	1,042	2,152,637	15,101			1	31	
06/97	0	0	209,428	1,287	2,153,924				1	0	
07/97	28	0	209,456	900	2,154,824	32,143			1	31	
08/97	0	0	209,456	836	2,155,660				1	0	
09/97	0	0	209,456	1,023	2,156,683				1	0	
10/97	0	0	209,456	1,172	2,157,855				1	0	
11/97	23	0	209,479	1,134	2,158,989	49,304			1	30	
12/97	22	0	209,501	1,084	2,160,073	49,273			1	31	
Totals	221			12,850						243	
01/98	35	1	209,536	1,094	2,161,167	31,257	0	0.00	1	31	
02/98	13	0	209,549	767	2,161,934	59,000	8	38.10	1	28	
03/98	43	1	209,592	628	2,162,562	14,605	56	56.57	1	31	
04/98	57	1	209,649	873	2,163,435	15,316	55	49.11	1	30	
05/98	45	1	209,694	921	2,164,356	20,467	56	55.45	1	31	
06/98	42	1	209,736	898	2,165,254	21,381	90	68.18	1	30	
07/98	48	1	209,784	934	2,166,188	19,458	85	63.91	1	31	
08/98	45	1	209,829	1,064	2,167,252	23,644	85	65.38	1	31	
09/98	47	1	209,876	911	2,168,163	19,383	82	63.57	1	30	
10/98	49	1	209,925	961	2,169,124	19,612	664	93.13	1	31	
11/98	0	0	209,925	0	2,169,124		0		0	0	
12/98	0	0	209,925	0	2,169,124		0		0	0	
Totals	424			9,051			1,181			304	

Dwights

Lease: STATE C TR 12 (4)

05/13/99

Retrieval Code: 150,025,21S37E16F00DR



County: LEA

F.P. Date: N/A

Field: DRINKARD (DRINKARD) DR

Oil Cum: 209.9 mbbl

Reservoir: DRINKARD

Gas Cum: 2169 mmcf

Operator: APACHE CORP

Location: 16F 21S 37E

Dwight's Energydata Inc.
TX - NM Permian
New Mexico Oil

Run Date: 5/13/99
Published 3/99
(#150,025,21S37E16F00TB)

Operator:	APACHE CORP	First Production Date:	10/83
Well/Lease Name:	STATE C TR 12	Last Production Date:	10/98
Well #:	4	Cum. Thru L. P. Date Oil:	13,953
Location:	16F 21S 37E	Cum. Thru L. P. Date Gas:	193,124
State:	NM		
District:	002		
County:	LEA		
Regulatory #:			
API #:	30-025-0662600		
Field:	TUBB (TUBB) TB		
Reservoir:	TUBB		
Basin:	PERMIAN BASIN		
Gas Gatherer:	WARRE		
Liquid Gatherer:	DOROC		
Status Date:			
Status:	ACT		

Year	Oil Prod BBLs	Gas Prod MCF	Water BBLs	# of Wells	Days On	Allowables
1983		8,820	1,464	1	92	
1984	1,851	14,180	1,548	1	358	
1985	1,140	12,744	824	1	357	
1986	1,057	13,148	813	1	257	
1987	923	22,603	5,204	1	330	
1988	681	19,817	839	1	366	
1989	333	7,275	435	1	220	
1991	1,603	5,957	1,299	1	328	
1992	1,120	5,836	1,165	1	366	
1993	1,323	14,475	924	1	360	
1994	1,850	27,760	1,240	1	362	
1995	896	20,148		1	361	
1996	429	9,672		1	366	
1997	400	5,777		1	243	
1998	347	4,912	67	1	304	

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
01/95	134	4	12,015	2,217	154,832	16,545			1	31	
02/95	155	5	12,170	2,004	156,836	12,929			1	28	
03/95	157	5	12,327	2,240	159,076	14,268			1	31	
04/95	107	3	12,434	2,120	161,196	19,813			1	30	
05/95	105	3	12,539	1,990	163,186	18,952			1	31	
06/95	92	3	12,631	1,969	165,155	21,402			1	30	
07/95	0	0	12,631	2,093	167,248				1	31	
08/95	0	0	12,631	2,158	169,406				1	31	
09/95	90	3	12,721	0	169,406	0			1	30	
10/95	0	0	12,721	1,400	170,806				1	27	
11/95	34	1	12,755	1,020	171,826	30,000			1	30	
12/95	22	0	12,777	937	172,763	42,591			1	31	
Totals	896			20,148						361	
01/96	58	1	12,835	977	173,740	16,845			1	31	
02/96	34	1	12,869	767	174,507	22,559			1	29	
03/96	24	0	12,893	715	175,222	29,792			1	31	
04/96	39	1	12,932	674	175,896	17,282			1	30	
05/96	50	1	12,982	854	176,750	17,080			1	31	
06/96	45	1	13,027	885	177,635	19,667			1	30	
07/96	48	1	13,075	886	178,521	18,458			1	31	
08/96	42	1	13,117	954	179,475	22,714			1	31	
09/96	43	1	13,160	779	180,254	18,116			1	30	
10/96	46	1	13,206	790	181,044	17,174			1	31	
11/96	0	0	13,206	730	181,774				1	30	
12/96	0	0	13,206	661	182,435				1	31	
Totals	429			9,672						366	
01/97	34	1	13,240	516	182,951	15,176			1	31	
02/97	48	1	13,288	503	183,454	10,479			1	28	
03/97	28	0	13,316	484	183,938	17,286			1	31	
04/97	32	1	13,348	462	184,400	14,438			1	30	
05/97	126	4	13,474	469	184,869	3,722			1	31	
06/97	0	0	13,474	578	185,447				1	0	
07/97	52	1	13,526	405	185,852	7,788			1	31	
08/97	0	0	13,526	376	186,228				1	0	
09/97	0	0	13,526	460	186,688				1	0	
10/97	0	0	13,526	527	187,215				1	0	
11/97	41	1	13,567	510	187,725	12,439			1	30	
12/97	39	1	13,606	487	188,212	12,487			1	31	
Totals	400			5,777						243	
01/98	63	2	13,669	492	188,704	7,810	0	0.00	1	31	
02/98	22	0	13,691	345	189,049	15,682	8	26.67	1	28	
03/98	31	1	13,722	356	189,405	11,484	3	8.82	1	31	
04/98	40	1	13,762	495	189,900	12,375	3	6.98	1	30	
05/98	31	1	13,793	522	190,422	16,839	3	8.82	1	31	
06/98	28	0	13,821	509	190,931	18,179	5	15.15	1	30	
07/98	33	1	13,854	529	191,460	16,030	4	10.81	1	31	
08/98	32	1	13,886	603	192,063	18,844	4	11.11	1	31	
09/98	34	1	13,920	516	192,579	15,176	4	10.53	1	30	
10/98	33	1	13,953	545	193,124	16,515	33	50.00	1	31	
11/98	0	0	13,953	0	193,124		0		0	0	
12/98	0	0	13,953	0	193,124		0		0	0	
Totals	347			4,912			67			304	

Dwights

Lease: STATE C TR 12 (4)

05/13/99

Retrieval Code: 150,025,21S37E16F00TB



May 7, 1999

(SEE ATTACHED LIST)

RE: Application to Amend Downhole Commingle Permits

State "C" Tract 12 Well Nos. #3, #4, and #7

State "C" Tract 13 Well No. #5

State "CK" Well No. #3

Eunice Area

Lea County, New Mexico

Dear Sir:

Apache Corporation, as operator of the subject wells, is proposing to amend the downhole commingling permits on the above five wells. Commingling production will enhance the economic operations of these wells. We are requesting to add one or more zones to the existing permits as indicated below:

State C Tract 12 #3	DHC #16 Blinebry & Drinkard	Adding Tubb & Skelly Penrose
State C Tract 12 #4	DHC #434 Tubb & Drinkard	Adding Blinebry & Paddock
State C Tract 13 #5	Applying For DHC	Blinebry, Tubb & Drinkard
State C Tract 12 #7	DHC #17 Blinebry & Drinkard	Adding Tubb
State CK #3	DHC #845 Blinebry & Paddock	Adding Tubb & Drinkard

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

Sincerely,

APACHE CORPORATION



Frances M. Byers
Sr. Engineering Tech

Attachments

SURFACE OWNER & OFFSET OPERATORS LIST FOR:

State C Tract 12 #3, #4, #5, & #7

Surface Owner

Tim Walters
C/O Nations Bank
P. O. Box 270
Midland, TX 79702

Offset Operators

John Hendrix
P. O. Box 3040
Midland, TX 79702-3040

Mr. Craig Wright
Chevron USA
P. O. Box 1150
Midland, TX 79702

Mr. Ed
Collins & Ware
508 W. Wall Ave
Suite 1200
Midland, TX 79701-5076

Mr. J. Miller
Conoco
10 Desta Dr.
Suite 100W
Midland, TX 79705-4500

Oxy
P. O. Box 4662
Midland, TX 79702

SURFACE OWNER & OFFSET OPERATORS LIST FOR:

State CK #3

Surface Owner

Tim Walters
C/O Nations Bank
P. O. Box 270
Midland, TX 79702

Offset Operators

Mr. Craig Wright
Chevron USA
P. O. Box 1150
Midland, TX 79702

BC Oil et al
P. O. Box 20820
Midland, TX 79710-0820

Parker & Parsley
P. O. Box 3178
Midland, TX 79702-3178

Campbell & Hedrick
2003 Country Club Dr.
Midland, TX 79701-5718

Texaco
205 E. Bender Blvd.
Hobbs, NM 88240

SUPPORT FOR BLINEBRY-TUBB-DRINKARD ZONES

Z 11b 152 4B2

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

Mr. Craig Wright
 Chevron USA
 P. O. Box 1150
 Midland, TX 79702

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 11b 152 4B5

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

Mr. J. Miller
 Conoco
 10 Desta Dr.
 Suite 100W
 Midland, TX 79705-4500

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 11b 150 4B6

US Postal Service
Receipt for Certified Mail
 No Insurance Coverage Provided.

Mr. Ron Westbrook
 John Hendrix
 P. O. Box 3040
 Midland, TX 79702-3040

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 11b 152 4B4

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

Oxy
 P. O. Box 4662
 Midland, TX 79702

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 11b 150 4B5

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

Tim Walters
 C/O Nations Bank
 P. O. Box 270
 Midland, TX 79702

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 11b 152 4B3

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

Mr. Erick Nelson
 Collins & Ware
 508 W. Wall Ave
 Suite 1200
 Midland, TX 79701-5076

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 11b 152 487

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

Parker & Parsley
 P. O. Box 3178
 Midland, TX 79702-3178

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 11b 151 077

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

Texaco
 205 E. Bender Blvd.
 Hobbs, NM 88240

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 11b 152 48b

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

BC Oil et al
 P. O. Box 20820
 Midland, TX 79710-0820

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 11b 151 07b

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

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	

WellTest History (OGW)

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

Select By : Completions

Pressure Base

: None

Page No

: 1

Units

: A.P.I.

Print Date

: 5/10/99, 9:5

Sort By : None selected in Report Options.

Rounded (y/n)

: No

Report Number

: R 013

Dates		Completion Name	Methd Type	Meas Hrs	24 Hour Volumes				Lift	Ratios				PPM		Obs
Test	Eff				Oil	Gas	Water			Emul	GOR	WOR	GFR	Chl	Iron	
11/01/97	11/01/97	STATE C TR 13 #05:BLINEBRY		24.00	.20	75.00	1.00		.00	.00	375,000.000	5.000	62,500.000			.00
03/01/98	03/01/98	STATE C TR 13 #05:BLINEBRY		24.00	1.00	80.00	.00		.00	.00	80,000.000	0.000	80,000.000			.00
02/02/99	02/02/99	STATE C TR 13 #05:BLINEBRY		24.00	1.00	78.00	3.00		.00	.00	78,000.000	3.000	19,500.000			.00
Avgs-- STATE C TR 13 #05:BLINEBRY																
11/01/97	11/01/97	STATE C TR 13 #05:TUBB		24.00	.00	49.00	.00		.00	.00	0.000	0.000	0.000			.00
03/01/98	03/01/98	STATE C TR 13 #05:TUBB		24.00	.00	48.00	.00		.00	.00	0.000	0.000	0.000			.00
02/02/99	02/02/99	STATE C TR 13 #05:TUBB		24.00	.00	36.00	.00		.00	.00	0.000	0.000	0.000			.00
Avgs-- STATE C TR 13 #05:TUBB																
					.00	44.33	.00		.00	.00						

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, 9:5

Sort By : None selected in Report Options.

Rounded (Y/n) : No

Report Number : R 013

Dates		Completion Name	Mthd Type	Meas Hrs	24 Hour Volumes				Ratios				PPM		Ob:
Test	Eff				Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	
11/01/97	11/01/97	STATE C TR 12 #7:BLINEBRY	24.00	24.00	1.50	48.00	1.00	.00	.00	32,000.000	0.667	19,200.000			.00
03/01/98	03/01/98	STATE C TR 12 #7:BLINEBRY	24.00	24.00	1.00	40.00	.00	.00	.00	40,000.000	0.000	40,000.000			.00
Avegs--		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	24.00	.70	20.60	.10	.00	.00	29,428.571	0.143	25,750.000			.00

WellTest History (OGW)

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

Select By : Completions

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

Page No : 1
Print Date : 5/10/99, 9:4

Sort By : None selected in Report Options.

Rounded (V/n)

: No

Report Number : R 013

Dates		Completion Name	Methd Type	Meas Hrs	24 Hour Volumes					Ratios				PPM		Ob:
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	.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	.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	.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.L.Page No : 1
Print Date : 5/10/99, 9:58

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		Obsr
Test	Eff			Oil	Gas	Water	Lift	Emul	GOR	WOR	GFR	Chl	Iron	
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
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
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
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
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
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
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
10/11/98	10/11/98		24.00	4.50	20.70	22.50	.00	.00	4.600.000	5.000	766.667			.00
10/12/98	10/12/98		24.00	7.00	21.60	25.00	.00	.00	3.085.714	3.571	675.000			.00
10/13/98	10/13/98		24.00	4.50	21.20	22.50	.00	.00	4.711.111	5.000	785.185			.00
10/14/98	10/14/98		24.00	2.00	21.60	20.00	.00	.00	10.800.000	10.000	981.818			.00
10/15/98	10/15/98		24.00	2.50	23.00	23.50	.00	.00	9.200.000	9.400	884.615			.00
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
10/17/98	10/17/98		24.00	.50	25.85	11.00	.00	.00	51.700.000	22.000	2.247.826			.00
10/18/98	10/18/98		24.00	.50	26.30	7.50	.00	.00	52.600.000	15.000	3.287.500			.00
10/19/98	10/19/98		24.00	.50	28.20	6.50	.00	.00	56.400.000	13.000	4.028.571			.00
10/23/98	10/23/98		24.00	.50	28.20	7.50	.00	.00	56.400.000	15.000	3.525.000			.00
10/24/98	10/24/98		24.00	.50	30.60	7.50	.00	.00	61.200.000	15.000	3.825.000			.00
10/25/98	10/25/98		24.00	.50	31.50	7.50	.00	.00	63.000.000	15.000	3.937.500			.00
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
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
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
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
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
10/31/98	10/31/98		24.00	.50	34.80	6.50	.00	.00	69.600.000	13.000	4.971.429			.00
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
11/02/98	11/02/98		24.00	.50	35.30	1.50	.00	.00	70.600.000	3.000	17.650.000			.00
11/03/98	11/03/98		24.00	.50	35.70	1.50	.00	.00	71.400.000	3.000	17.850.000			.00
11/04/98	11/04/98		24.00	.50	35.30	2.00	.00	.00	70.600.000	4.000	14.120.000			.00
11/05/98	11/05/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18.100.000			.00
11/06/98	11/06/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18.100.000			.00
11/07/98	11/07/98		24.00	.50	36.20	1.50	.00	.00	72.400.000	3.000	18.100.000			.00
11/08/98	11/08/98		24.00	.50	36.70	1.50	.00	.00	73.400.000	3.000	18.350.000			.00
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
11/10/98	11/10/98		24.00	.50	37.10	1.50	.00	.00	74.200.000	3.000	18.550.000			.00

WellTest History (OGW)

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

Select By : Completions

Pressure Base

: None

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Units : A.P.I.

Print Date

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Sort By : None selected in Report Options.

Rounded (v/n) : No

Report Number : R 013

Dates	Test Eff	Completion Name	Meas Methd Type Hrs	24 Hour Volumes				Lift	Ratios				PPM		Obs
				Oil	Gas	Water			Emul	GOR	WOR	GFR	Chl	Iron	
11/11/98	11/11/98	STATE C TR 12 #6Y:DRINKARD	24.00	.50	37.10	1.50		.00	.00	74,200.000	3.000	18,550.000			.00
11/12/98	11/12/98		24.00	.50	36.20	1.50		.00	.00	72,400.000	3.000	18,100.000			.00
Avgs-- 11/1998				3.38	36.13	1.67		.00	.00	66,220.714	3.087	15,701.528			.00
Avgs-- 1998				2.29	37.20	8.30		.00	.00						
02/02/99	02/02/99	STATE C TR 12 #6Y:DRINKARD	24.00	.50	47.00	.50		.00	.00	94,000.000	1.000	47,000.000			.00
03/01/99	03/01/99	STATE C TR 12 #6Y:DRINKARD	24.00	.00	.00	.00		.00	.00	0.000	0.000	0.000			.00
03/13/99	03/13/99		24.00	9.00	388.00	144.00		.00	.00	43,111.111	16.000	2,535.948			.00
03/15/99	03/15/99		24.00	15.00	467.00	40.00		.00	.00	31,133.333	2.667	8,490.909			.00
03/16/99	03/16/99		24.00	.50	47.00	.50		.00	.00	94,000.000	1.000	47,000.000			.00
03/17/99	03/17/99		24.00	16.00	473.00	6.00		.00	.00	29,562.500	0.375	21,500.000			.00
03/18/99	03/18/99		24.00	14.00	455.00	21.00		.00	.00	32,500.000	1.500	13,000.000			.00
03/19/99	03/19/99		24.00	16.00	459.00	12.00		.00	.00	28,687.500	0.750	16,392.857			.00
03/20/99	03/20/99		24.00	14.00	441.00	12.00		.00	.00	31,500.000	0.857	16,961.538			.00
03/21/99	03/21/99		24.00	13.00	468.00	15.00		.00	.00	36,000.000	1.154	16,714.286			.00
03/22/99	03/22/99		24.00	11.00	468.00	6.00		.00	.00	42,545.455	0.545	27,529.412			.00
03/23/99	03/23/99		24.00	15.00	468.00	16.00		.00	.00	31,200.000	1.067	15,096.774			.00
03/24/99	03/24/99		24.00	11.00	465.00	12.00		.00	.00	42,272.727	1.091	20,217.391			.00
03/25/99	03/25/99		24.00	10.00	463.00	13.00		.00	.00	46,300.000	1.300	20,130.435			.00
03/26/99	03/26/99		24.00	13.00	462.00	19.00		.00	.00	35,538.462	1.462	14,437.500			.00
03/27/99	03/27/99		24.00	10.00	457.00	8.00		.00	.00	45,700.000	0.800	25,388.889			.00
03/28/99	03/28/99		24.00	16.00	453.00	15.00		.00	.00	28,312.500	0.938	14,612.903			.00
03/29/99	03/29/99		24.00	10.00	453.00	8.00		.00	.00	45,300.000	0.800	25,166.667			.00
03/30/99	03/30/99		24.00	10.00	451.00	11.00		.00	.00	45,100.000	1.100	21,476.190			.00
03/31/99	03/31/99		24.00	13.00	450.00	11.00		.00	.00	34,615.385	0.846	18,750.000			.00
Avgs-- 03/1999				11.39	409.89	19.45		.00	.00	38,072.577	1.803	18,179.037			.00
04/01/99	04/01/99	STATE C TR 12 #6Y:DRINKARD	24.00	1.00	49.50	.31		.00	.00	49,500.000	0.310	37,786.260			.00
04/02/99	04/02/99		24.00	5.00	210.10	5.50		.00	.00	42,020.000	1.100	20,009.524			.00
04/03/99	04/03/99		24.00	10.00	446.00	7.00		.00	.00	44,600.000	0.700	26,235.294			.00
04/04/99	04/04/99		24.00	10.00	443.00	11.00		.00	.00	44,300.000	1.100	21,095.238			.00
04/05/99	04/05/99		24.00	6.00	441.00	5.00		.00	.00	73,500.000	0.833	40,090.909			.00
04/07/99	04/07/99		24.00	3.00	440.00	10.00		.00	.00	146,666.667	3.333	33,846.154			.00
04/08/99	04/08/99		24.00	10.00	442.00	11.00		.00	.00	44,200.000	1.100	21,047.619			.00
Avgs-- 04/1999				6.43	353.09	7.12		.00	.00	63,540.952	1.211	28,587.285			.00
Avgs-- 1999				9.70	381.73	15.55		.00	.00						
Avgs-- STATE C TR 12 #6Y:DRINKARD				5.54	189.10	11.37		.00	.00						
11/01/97	11/01/97	STATE C TR 12 #6Y:TUBB	24.00	.50	1.00	.00		.00	.00	2,000.000	0.000	2,000.000			.00
10/09/98	10/09/98	STATE C TR 12 #6Y:TUBB	15.00	.00	26.40	24.80		.00	.00	0.000	0.000	1,064.516			.00
10/10/98	10/10/98		24.00	1.00	23.30	16.00		.00	.00	23,300.000	16.000	1,370.588			.00

WellTest History (OGW)

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Select By : Completions

Pressure Base : None
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Sort By : None selected in Report Options.

Rounded (V/in) : No

Report Number : R 013

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