

AMEND DHC 6/3/99

APACHE
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

MAY 14 1999

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%
Bliebry	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%
Bliebry	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	13 BOPD x 6 BWPD x 151 MCFD		
State C Tract 13 #5			
Bliebry	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			
Bliebry	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%
Bliebry	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 13 **7** **D - 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. **30-025-06629**

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	BLINEBRY	TUBB/86440	DRINKARD/60240
2. Top and Bottom of Pay Section (Perforations)	5632' - 5972'	6014' - 6330'	6504' - 6618'
3. Type of production (Oil or Gas)	GAS & OIL	GAS & OIL	GAS & OIL
4. Method of Production (Flowing or Artificial Lift)	AL	AL	FL
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	a. (Current) 200 b. (Original) 200-500	a. 600 b. 500-600	a. 600 500-600
6. Oil Gravity (*API) or Gas BTU Content	37.7	36.6	37
7. Producing or Shut-In?	PRODUCING	NOT COMPLETED	PRODUCING
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)	Y Date: 02/02/99 Rates: Date: 2/2/99 Rates: 1BOPD, 1BWPD, 78 MCFPD	Y Date: 02/02/99 Rates: (ANTICIPATED TEST ST C #5 TEST) 0 BOPD, 0 BWPD, 44 MCFPD Date: Rates:	Y Date: Rates: Date: 4/28/99 Rates: 1BOPD, 2 BWPD, 36 MCFPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 14% Gas: 42%	Oil: 0% Gas: 28%	Oil: 50% Gas: 22%

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

10. Are all working, overriding and royalty interests identical in all commingled zones?

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

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

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:

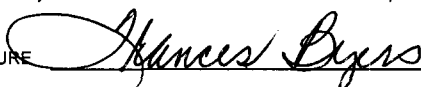
Order No.s DHC #17

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 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

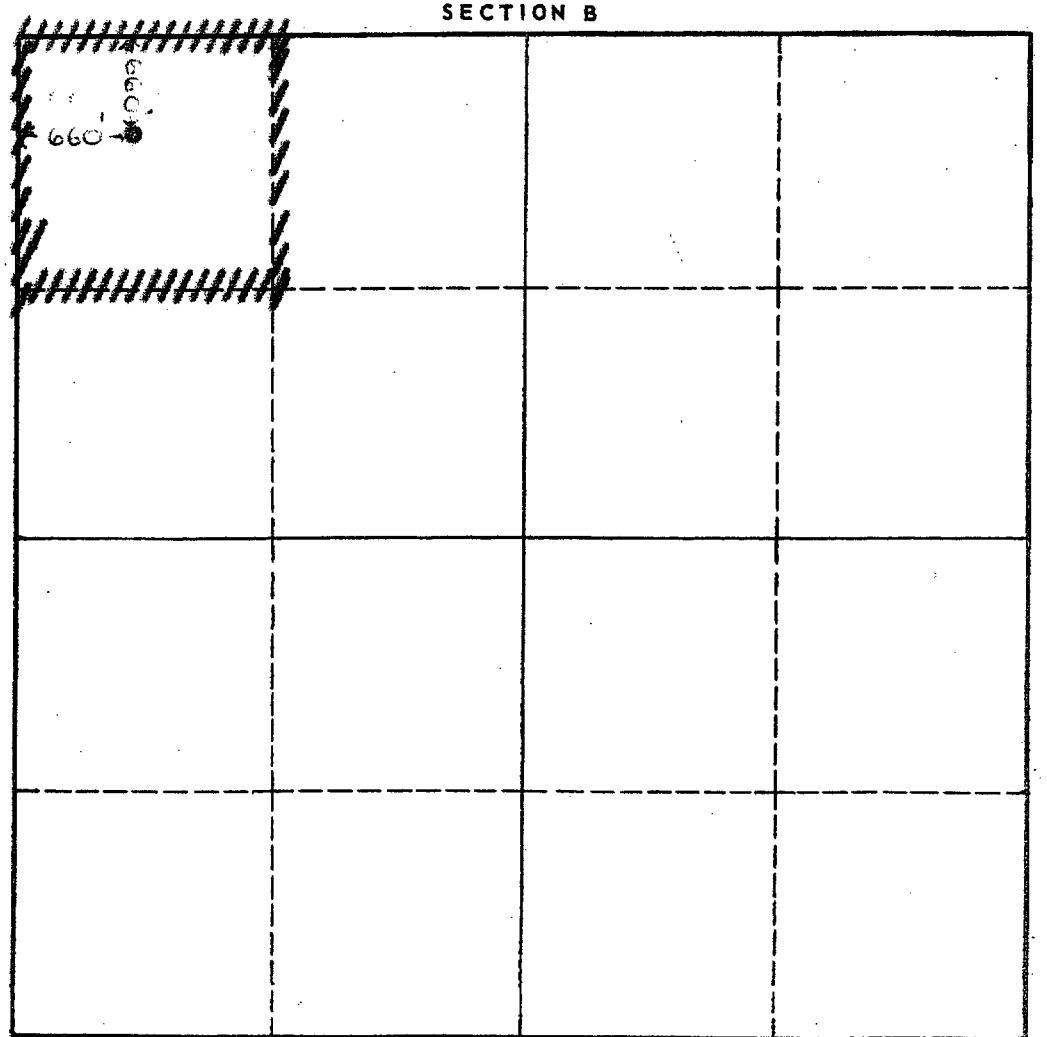
SECTION A

Operator		Lease		Well No.	
		State "G" Tract 12		7	
Unit Letter	Section	Township	Range	County	
D	16	21 S	37 E	Lin	
Actual Footage Location of Well:					
660 feet from the North line and		660 feet from the West line			
Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:		
3457'	Blindberg	Blindberg	40 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. STA
Position	Area Superintendent
Company	Pan American Petroleum Corp
Date	December 12, 1961

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.

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

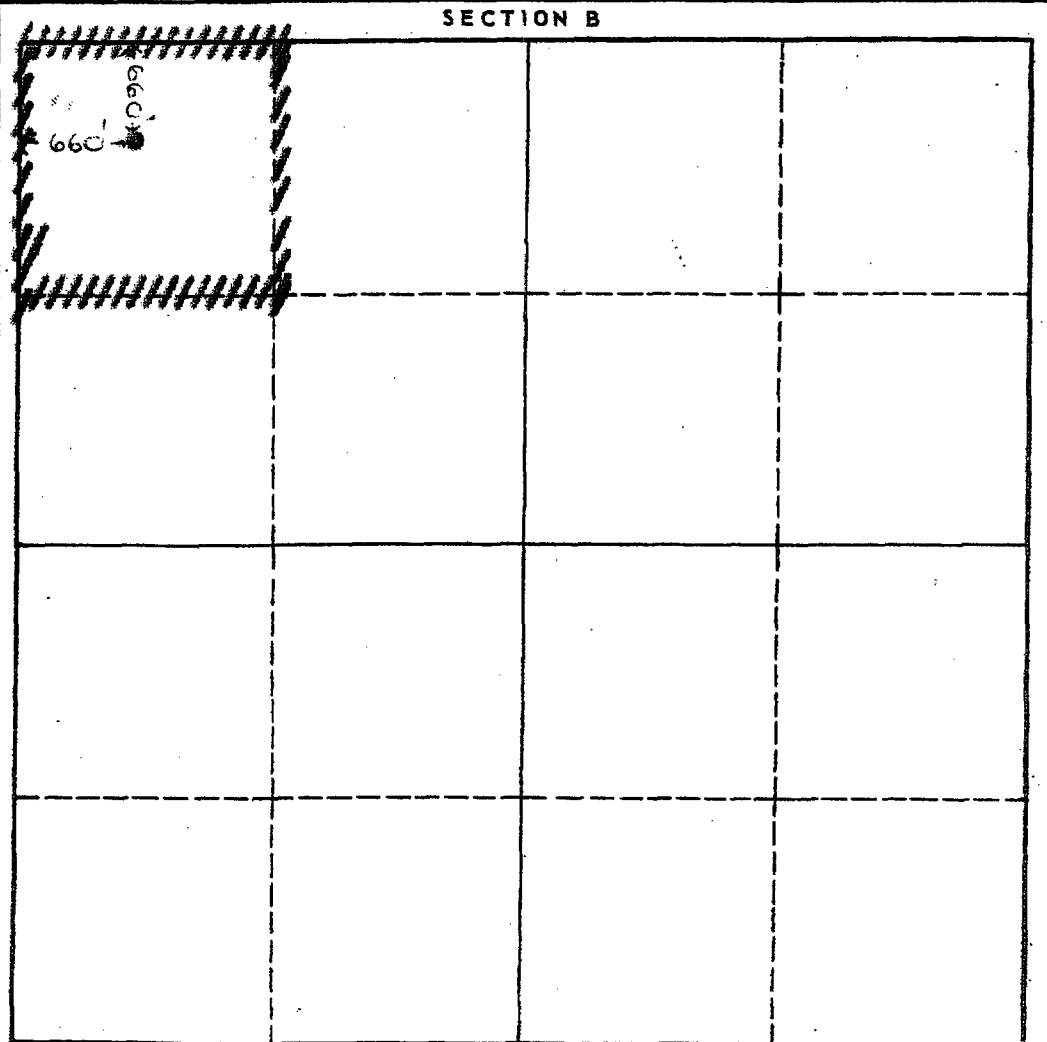
SECTION A

Operator APACHE CORPORATION		Lease State of Trust 12		Well No. 7
Unit Letter B	Section 14	Township 21 N	Range 37 E	County Lin
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3497'	Producing Formation TUBB	Pool TUBB	Dedicated Acreage: 40 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. STA
Position
Area Superintendent
Company
Pan American Petroleum Corp
Date
December 12, 1961

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.

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

SECTION A

Operator APACHE CORPORATION		Lease State of Texas 12		Well No. 7
Unit Letter B	Section 16	Township 21 S	Range 37 E	County Lau
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3457'	Producing Formation DRINKARD	Pool DRINKARD	Dedicated Acreage: 40 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

660' 660'

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. STA.
Position
Area Superintendent
Company
Pan American Petroleum Corp.
Date
December 12, 1961

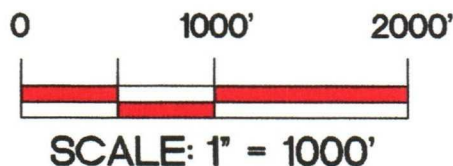
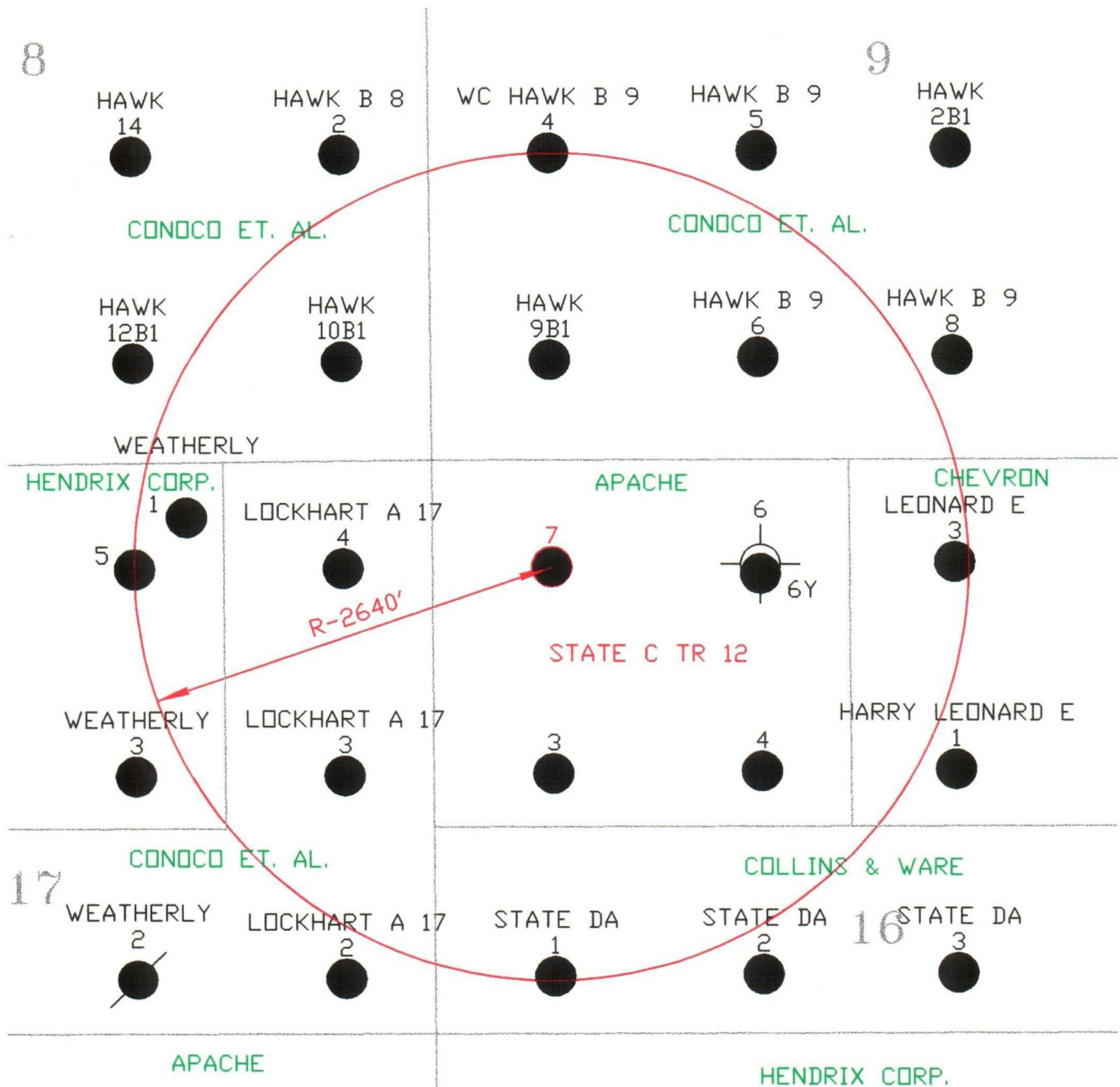
I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
Registered Professional Engineer
and/or Land Surveyor

Certificate No.

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

21S 37E



EUNICE AREA
LEA COUNTY, NEW MEXICO

LOCATION PLAT
STATE C TR 12 #7
SEC.16 T-21-S, R-37-E

DATE: 05/06/98	REVISED: 00/00/98	GEOLOGIST:
FILE: PERM/EUNICE/loc16-7.	DRAFTED BY: HGS	GEOLOGIST:

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

Run Date: 5/13/99
Published 3/99
(#150,025,21S37E16D00BL)

Operator:	APACHE CORP		
Well/Lease Name:	STATE C TR 12		
Well #:	7	Last Production Date:	10/98
Location:	16D 21S 37E	Cum. Thru L. P. Date Oil:	73,436
State:	NM		
District:	002	Cum. Thru L. P. Date Gas:	774,839
County:	LEA	Gas Cum. Since Date:	01/59
Regulatory #:			
API #:	30-025-0662900		
Field:	BLINEBRY (BLINEBRY) BL		
Reservoir:	BLINEBRY		
Basin:	PERMIAN BASIN		
Gas Gatherer:	RICHS		
Liquid Gatherer:	DOROC		
Status Date:			
Status:	ACT		

Year	Oil Prod BBLs	Gas Prod MCF	Water BBLs	# of Wells	Days On	Allowables
1970	3,823	69,401	1,418	1		
1971	2,522	40,713	4,719	1		
1972	2,429	23,692	3,220	1		
1973	2,378	28,438	3,321	1		
1974	1,941	14,084	2,621	1		
1975	3,294	14,302	1,360	1		
1976	2,564	36,189	1,330	1		
1977	2,416	13,603	1,467	1		
1978	1,603	22,796	965	1		
1979	777	13,058	365	1		
1980	1,197	11,351	364	1		
1981	595	9,777	364	1		
1982	1,823	3,234	4,338	1	353	
1983	980	7,330	5,291	1	314	
1984	1,813	8,274	7,650	1	366	
1985	2,199	14,722	2,633	1	285	
1986	2,058	17,508	4,945	1	292	
1987	2,113	29,675	8,992	1	361	
1988	1,494	27,865	6,830	1	366	
1989	1,239	15,111	3,857	1	306	
1991	1,762	7,990	4,702	1	344	
1992	1,214	8,777	4,108	1	366	
1993	746	14,554	2,513	1	364	
1994	316	7,277	672	1	110	
1995		5,204		1	221	
1996	315	15,906		1	361	
1997	431	19,006		1	243	
1998	280	11,963	76	1	304	

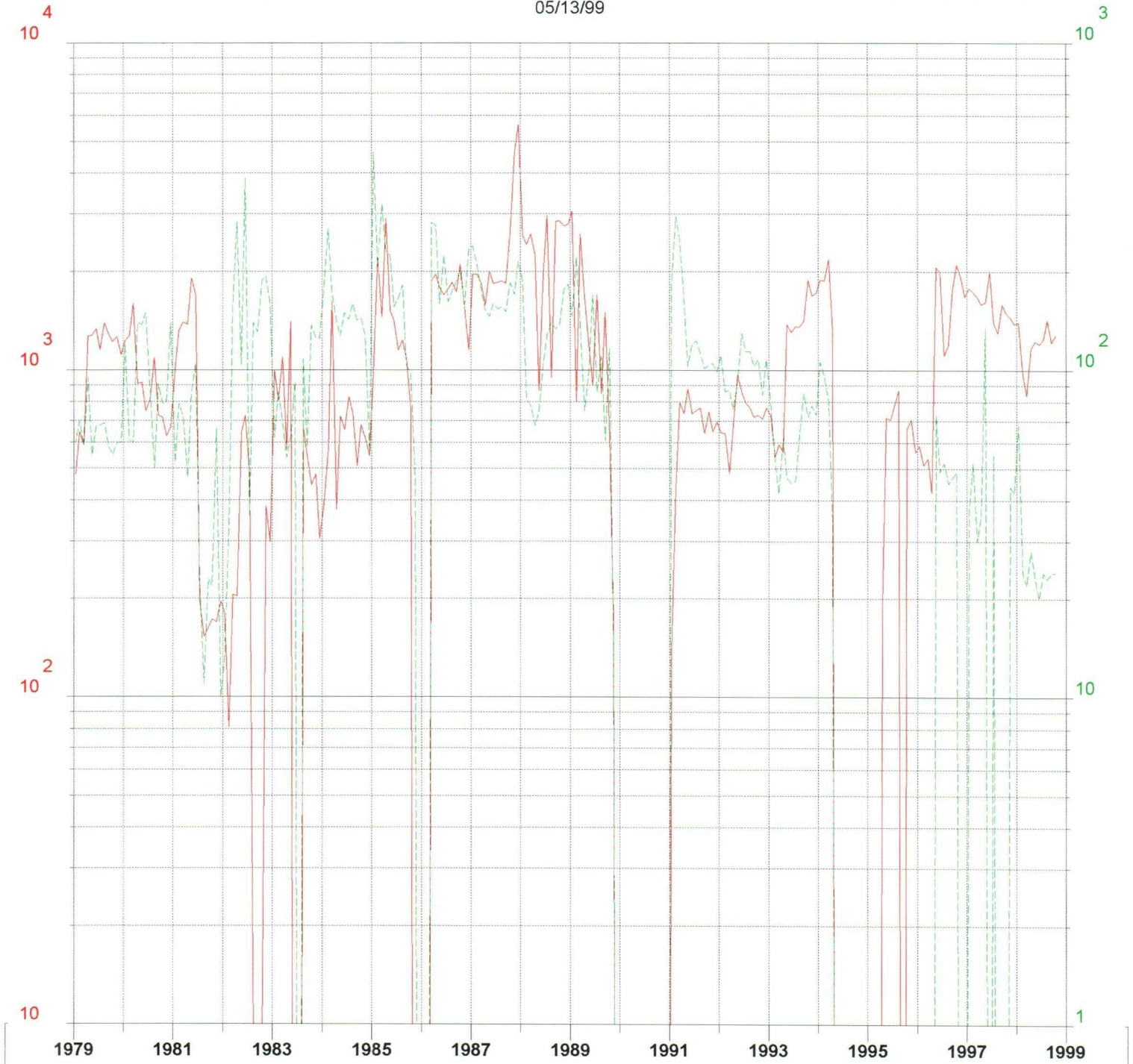
Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
01/95				0	722,760				0	0	
02/95				0	722,760				0	0	
03/95				0	722,760				0	0	
04/95				192	722,952				1	6	
05/95				715	723,667				1	31	
06/95				707	724,374				1	30	
07/95				788	725,162				1	31	
08/95				867	726,029				1	31	
09/95				0	726,029				0	0	
10/95				662	726,691				1	31	
11/95				709	727,400				1	30	
12/95				564	727,964				1	31	
Totals				5,204						221	
01/96	0	0	72,410	588	728,552				1	31	
02/96	0	0	72,410	513	729,065				1	29	
03/96	0	0	72,410	538	729,603				1	31	
04/96	0	0	72,410	423	730,026				1	25	
05/96	73	2	72,483	2,064	732,090	28,274			1	31	
06/96	49	1	72,532	1,998	734,088	40,776			1	30	
07/96	52	1	72,584	1,112	735,200	21,385			1	31	
08/96	45	1	72,629	1,196	736,396	26,578			1	31	
09/96	47	1	72,676	1,760	738,156	37,447			1	30	
10/96	49	1	72,725	2,099	740,255	42,837			1	31	
11/96	0	0	72,725	1,938	742,193				1	30	
12/96	0	0	72,725	1,677	743,870				1	31	
Totals	315			15,906						361	
01/97	37	1	72,762	1,782	745,652	48,162			1	31	
02/97	52	1	72,814	1,735	747,387	33,365			1	28	
03/97	30	0	72,844	1,672	749,059	55,733			1	31	
04/97	36	1	72,880	1,595	750,654	44,306			1	30	
05/97	135	4	73,015	1,616	752,270	11,970			1	31	
06/97	0	0	73,015	1,997	754,267				1	0	
07/97	55	1	73,070	1,396	755,663	25,382			1	31	
08/97	0	0	73,070	1,298	756,961				1	0	
09/97	0	0	73,070	1,586	758,547				1	0	
10/97	0	0	73,070	1,497	760,044				1	0	
11/97	44	1	73,114	1,448	761,492	32,909			1	30	
12/97	42	1	73,156	1,384	762,876	32,952			1	31	
Totals	431			19,006						243	
01/98	68	2	73,224	1,397	764,273	20,544	0	0.00	1	31	
02/98	24	0	73,248	974	765,247	40,583	76	76.00	1	28	
03/98	22	0	73,270	838	766,085	38,091	0	0.00	1	31	
04/98	28	0	73,298	1,164	767,249	41,571	0	0.00	1	30	
05/98	23	0	73,321	1,228	768,477	53,391	0	0.00	1	31	
06/98	20	0	73,341	1,198	769,675	59,900	0	0.00	1	30	
07/98	24	0	73,365	1,246	770,921	51,917	0	0.00	1	31	
08/98	23	0	73,388	1,419	772,340	61,696	0	0.00	1	31	
09/98	24	0	73,412	1,216	773,556	50,667	0	0.00	1	30	
10/98	24	0	73,436	1,283	774,839	53,458	0	0.00	1	31	
11/98	0	0	73,436	0	774,839		0		0	0	
12/98	0	0	73,436	0	774,839		0		0	0	
Totals	280			11,963			76			304	

Dwights

Lease: STATE C TR 12 (7)

05/13/99

Retrieval Code: 150,025,21S37E16D00BL



Gas (mcf/mo)

County: LEA

F.P. Date: N/A

Oil (bbl/mo)

Field: BLINEBRY (BLINEBRY) BL

Oil Cum: 73.44 mbbl

Reservoir: BLINEBRY

Gas Cum: 774.8 mmcf

Operator: APACHE CORP

Location: 16D 21S 37E

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

Run Date: 5/13/99
Published 3/99
(#150,025,21S37E16D00DR)

Operator:	APACHE CORP		
Well/Lease Name:	STATE C TR 12		
Well #:	7	Last Production Date:	10/98
Location:	16D 21S 37E	Cum. Thru L. P. Date Oil:	233,321
State:	NM		
District:	002	Cum. Thru L. P. Date Gas:	979,457
County:	LEA	Gas Cum. Since Date:	01/59
Regulatory #:			
API #:	30-025-0662900		
Field:	DRINKARD (DRINKARD) DR		
Reservoir:	DRINKARD		
Basin:	PERMIAN BASIN		
Gas Gatherer:	GPMGC		
Liquid Gatherer:	DOROC		
Status Date:			
Status:	ACT		

Year	Oil Prod BBLs	Gas Prod MCF	Water BBLs	# of Wells	Days On	Allowables
1970	1,379	18,473	406	1		
1971	1,616	22,097	2,178	1		
1972	1,240	32,441	1,232	1		
1973	851	47,275	1,955	1		
1974	984	56,121	1,247	1		
1975	1,367	56,005	594	1		
1976	1,175	33,430	506	1		
1977	1,619	9,515	805	1		
1978	974	5,907	549	1		
1979	467	5,646	31	1		
1980	694	4,833		1		
1981	384	3,821	456	1		
1982	650	1,822	1,554	1	322	
1983	1,408	3,001	3,028	1	314	
1984	673	3,715	2,664	1	366	
1985	942	6,211	1,148	1	285	
1986	882	8,826	2,122	1	260	
1987	926	12,743	3,955	1	361	
1988	858	12,720	4,196	1	366	
1989	703	6,480	2,429	1	306	
1991	674	3,424	1,771	1	344	
1992	456	3,674	1,427	1	366	
1993	329	6,235	1,108	1	364	
1994	134	3,118	287	1	110	
1995		2,231		1	221	
1996	137	6,818		1	361	
1997	188	8,145		1	243	
1998	170	5,959	67	1	304	

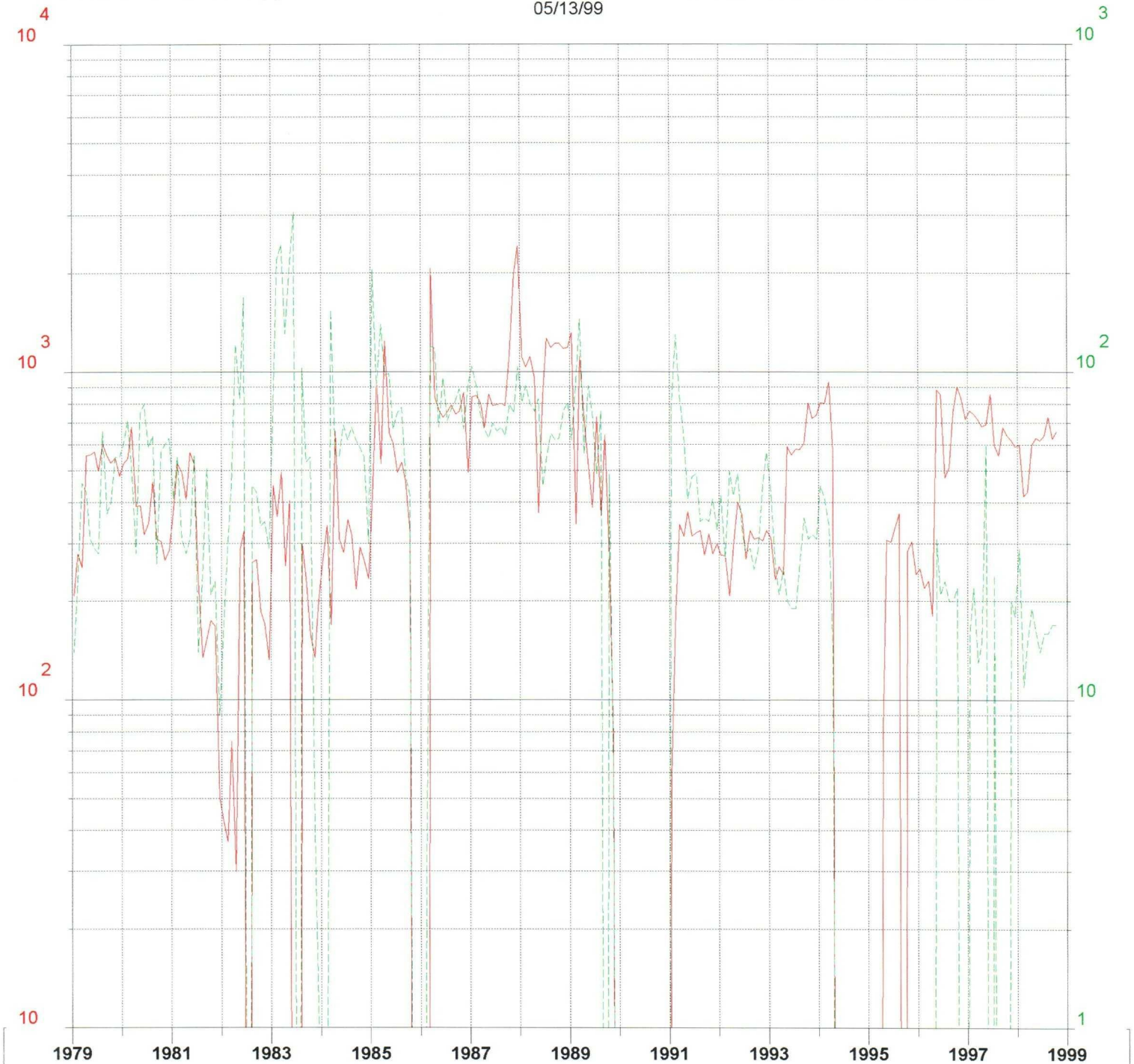
Date MO/YR	Oil Prod BBLs	BBLs /Day	Cum. Oil Prod. BBLs	Gas Prod MCF	Cum. Gas MCF	GOR SCF/BBLs	Water	% Water	# of Wells	Days On	Allowables
01/95				0	956,304				0	0	
02/95				0	956,304				0	0	
03/95				0	956,304				0	0	
04/95				82	956,386				1	6	
05/95				307	956,693				1	31	
06/95				303	956,996				1	30	
07/95				338	957,334				1	31	
08/95				371	957,705				1	31	
09/95				0	957,705				0	0	
10/95				284	957,989				1	31	
11/95				304	958,293				1	30	
12/95				242	958,535				1	31	
Totals				2,231						221	
01/96	0	0	232,826	252	958,787				1	31	
02/96	0	0	232,826	220	959,007				1	29	
03/96	0	0	232,826	231	959,238				1	31	
04/96	0	0	232,826	181	959,419				1	25	
05/96	31	1	232,857	884	960,303	28,516			1	31	
06/96	21	0	232,878	856	961,159	40,762			1	30	
07/96	23	0	232,901	477	961,636	20,739			1	31	
08/96	20	0	232,921	513	962,149	25,650			1	31	
09/96	20	0	232,941	754	962,903	37,700			1	30	
10/96	22	0	232,963	900	963,803	40,909			1	31	
11/96	0	0	232,963	831	964,634				1	30	
12/96	0	0	232,963	719	965,353				1	31	
Totals	137			6,818						361	
01/97	16	0	232,979	763	966,116	47,688			1	31	
02/97	22	0	233,001	744	966,860	33,818			1	28	
03/97	13	0	233,014	716	967,576	55,077			1	31	
04/97	15	0	233,029	684	968,260	45,600			1	30	
05/97	60	1	233,089	693	968,953	11,550			1	31	
06/97	0	0	233,089	856	969,809				1	0	
07/97	24	0	233,113	598	970,407	24,917			1	31	
08/97	0	0	233,113	556	970,963				1	0	
09/97	0	0	233,113	680	971,643				1	0	
10/97	0	0	233,113	642	972,285				1	0	
11/97	20	0	233,133	620	972,905	31,000			1	30	
12/97	18	0	233,151	593	973,498	32,944			1	31	
Totals	188			8,145						243	
01/98	29	0	233,180	599	974,097	20,655	0	0.00	1	31	
02/98	11	0	233,191	419	974,516	38,091	8	42.11	1	28	
03/98	15	0	233,206	432	974,948	28,800	3	16.67	1	31	
04/98	19	0	233,225	600	975,548	31,579	3	13.64	1	30	
05/98	16	0	233,241	632	976,180	39,500	3	15.79	1	31	
06/98	14	0	233,255	617	976,797	44,071	5	26.32	1	30	
07/98	16	0	233,271	642	977,439	40,125	4	20.00	1	31	
08/98	16	0	233,287	731	978,170	45,688	4	20.00	1	31	
09/98	17	0	233,304	626	978,796	36,824	4	19.05	1	30	
10/98	17	0	233,321	661	979,457	38,882	33	66.00	1	31	
11/98	0	0	233,321	0	979,457		0		0	0	
12/98	0	0	233,321	0	979,457		0		0	0	
Totals	170			5,959			67			304	

Dwights

Lease: STATE C TR 12 (7)

05/13/99

Retrieval Code: 150,025,21S37E16D00DR



Gas (mcf/mo)

County: LEA

F.P. Date: N/A

Oil (bbl/mo)

Field: DRINKARD (DRINKARD) DR

Oil Cum: 233.3 mbbl

Reservoir: DRINKARD

Gas Cum: 979.5 mmcf

Operator: APACHE CORP

Location: 16D 21S 37E

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 152 482

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 152 485

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 150 836

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 152 484

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 150 835

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 152 483

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 152 486

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 151 077

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 151 076

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)

Select By : Completions

Pressure Base : None
Units : A.P.I.Page No : 1
Print Date : 5/10/99, 9:51

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	Emul	Ratios				PPM		Obs
Test	Eff				Oil	Gas	Water				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					.73	77.67	1.33		.00								
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								

Well Test 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, 9:45

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		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	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	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	.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.I.

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

Sort By : None selected in Report Options.

Rounded (v/m) : No
Report Number : R 013

Dates			Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Ratios				PPM		Ob
Test	Eff	Oil			Gas	Water	Lift	Emul	GOR	WOR	GFR	Chi	Iron	Grv	
02/02/99	02/02/99	STATE /CK/ #3:BLINEBRY	24.00	.00	69.40	.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.L.

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

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		Obs
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)

Select By : Completions

Pressure Base : None

Page No : 2

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	Test Eff	Completion Name	Methd Type	Hrs	24 Hour Volumes				Lift	Ratios				PPM		Ob:
					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
Avg-- 11/1998																
					3.38	36.13	1.67		.00	.00	66,220.714	3.087	15,701.528			.00
Avg-- 1998																
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
Avg-- 03/1999																
04/01/99	04/01/99	STATE C TR 12 #6Y:DRINKARD	24.00		11.39	409.89	19.45		.00	.00	38,072.577	1.803	18,179.037			.00
04/02/99	04/02/99		24.00		1.00	49.50	.31		.00	.00	49,500.000	0.310	37,786.260			.00
04/03/99	04/03/99		24.00		5.00	210.10	5.50		.00	.00	42,020.000	1.100	20,009.524			.00
04/04/99	04/04/99		24.00		10.00	446.00	7.00		.00	.00	44,600.000	0.700	26,235.294			.00
04/05/99	04/05/99		24.00		10.00	443.00	11.00		.00	.00	44,300.000	1.100	21,095.238			.00
04/07/99	04/07/99		24.00		6.00	441.00	5.00		.00	.00	73,500.000	0.833	40,090.909			.00
04/08/99	04/08/99		24.00		3.00	440.00	10.00		.00	.00	146,666.667	3.333	33,846.154			.00
Avg-- 04/1999																
					10.00	442.00	11.00		.00	.00	44,200.000	1.100	21,047.619			.00
Avg-- 1999																
					6.43	333.09	7.12		.00	.00	63,540.952	1.211	28,587.285			.00
					9.70	381.73	15.55		.00	.00						
Avg-- STATE C TR 12 #6Y:DRINKARD																
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)

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

Select By : Completions

Pressure Base : None

Page No : 3

Units : A.P.I.

Print Date : 5/10/99 9:58:

Sort By : None selected in Report Options.

Rounded (y/n) : No

Report Number : R 013

Dates	Test Eff	Completion Name	Meas Mthd Type Hrs	24 Hour Volumes				Rates				PPM		Obsn
				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
10/12/98	10/12/98		24.00	7.00	24.40	25.00	.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	.00	5,288.889	5.000	881.481			.00
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
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
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
10/17/98	10/17/98		24.00	.50	29.15	11.00	.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	.00	59,400.000	15.000	3,712.500			.00
10/19/98	10/19/98		24.00	.50	31.80	6.50	.00	.00	63,600.000	13.000	4,542.857			.00
10/23/98	10/23/98		24.00	.50	31.80	7.50	.00	.00	63,600.000	15.000	3,975.000			.00
10/24/98	10/24/98		24.00	.50	34.40	7.50	.00	.00	68,800.000	15.000	4,300.000			.00
10/25/98	10/25/98		24.00	.50	35.50	7.50	.00	.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	.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	.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	.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	.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	.00	36,000.000	5.000	6,000.000			.00
10/31/98	10/31/98		24.00	.50	39.20	6.50	.00	.00	78,400.000	13.000	5,600.000			.00
AVGS-- 10/1998				1.75	32.15	12.64	.00	.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	.00	78,400.000	6.000	11,200.000			.00
11/02/98	11/02/98		24.00	.50	39.70	1.50	.00	.00	79,400.000	3.000	19,850.000			.00
11/03/98	11/03/98		24.00	.50	40.30	1.50	.00	.00	80,600.000	3.000	20,150.000			.00
11/04/98	11/04/98		24.00	.50	39.70	2.00	.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	.00	81,600.000	3.000	20,400.000			.00
11/06/98	11/06/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00
11/07/98	11/07/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00
11/08/98	11/08/98		24.00	.50	41.30	1.50	.00	.00	82,600.000	3.000	20,650.000			.00
11/09/98	11/09/98		24.00	.50	41.30	1.50	.00	.00	82,600.000	3.000	20,650.000			.00
11/10/98	11/10/98		24.00	.50	41.90	1.50	.00	.00	83,800.000	3.000	20,950.000			.00
11/11/98	11/11/98		24.00	.50	41.90	1.50	.00	.00	83,800.000	3.000	20,950.000			.00
11/12/98	11/12/98		24.00	.50	40.80	1.50	.00	.00	81,600.000	3.000	20,400.000			.00
AVGS-- 11/1998				.50	40.71	1.67	.00	.00	81,416.667	3.333	19,323.333			.00
AVGS-- 1998				1.28	35.36	8.53	.00	.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	.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	.00	0.000	0.000	0.000			.00
03/31/99	03/31/99		24.00	.00	.00	.00	.00	.00	53,000.000	0.500	26,500.000			.00
AVGS-- 03/1999				.25	26.50	.25	.00	.00	45,000.000	0.320	34,090.909			.00
04/01/99	04/01/99	STATE C TR 12 #6Y:TUBB	24.00	1.00	45.00	.32	.00	.00	47,380.000	1.100	22,561.905			.00
04/02/99	04/02/99		24.00	5.00	236.90	5.50	.00	.00						.00