

COMMISSIONER'S OFFICE

Phone (505) 827-5760
Fax (505) 827-5766

ADMINISTRATION

Phone (505) 827-5700
Fax (505) 827-5853

GENERAL COUNSEL

Phone (505) 827-5713
Fax (505) 827-4262

PUBLIC AFFAIRS

Phone (505) 827-1245
Fax (505) 827-5766



**New Mexico State Land Office
Commissioner of Public Lands
Ray Powell, M.S., D.V.M.**

COMMERCIAL RESOURCES

Phone (505) 827-5724
Fax (505) 827-6157

MINERAL RESOURCES

Phone (505) 827-5744
Fax (505) 827-4739

ROYALTY MANAGEMENT

Phone (505) 827-5772
Fax (505) 827-4739

SURFACE RESOURCES

Phone (505) 827-5793
Fax (505) 827-5711

February 8, 2000

Bass Enterprises Production Company
P.O. Box 2760
Midland, Texas 79702-2760

Attn: Ms. Tami Wilber

Re: Downhole Commingling Application
Bass State Com Well No. 1-15
Unit Letter E, Section 15-21S-27E
Strawn and Morrow Pools
Eddy County, New Mexico

Dear Ms. Wilber:

Your application to downhole commingle the production from within the wellbore of the above-captioned well was received on February 7, 2000. Your application requests our approval to downhole commingle the Strawn and Morrow production within the wellbore of the Bass State Com Well No. 1-15 located in Unit Letter E, Section 15-21S-27E, Eddy County, New Mexico.

It is our understanding that production from the subject well will be allocated as follows:

<u>POOL</u>	<u>ALLOCATION</u>	
	<u>Oil%</u>	<u>Gas %</u>
Strawn	10%	10%
Morrow	90%	90%
	-----	-----
	100%	100%

Since it appears that the New Mexico Oil Conservation Division's rules and regulations have been complied with, and there will be no loss of revenue to the State of New Mexico as a result of your proposed operation, your request for downhole commingling the production from the above-mentioned well is hereby approved. Any deviation from the substance of your request will be sufficient grounds for rescinding our approval. Our approval is subject to like approval by the New Mexico Oil Conservation Division.

Please submit your filing fee in the amount of \$30.00.

Bass Enterprises Production Company
February 8, 2000
Page 2

Also, please submit a copy of the Oil Conservation Division's Order approving this application.

If you have any questions or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

RAY POWELL, M.S., D.V.M.
COMMISSIONER OF PUBLIC LANDS

BY:



JAMI BAILEY, Director
Oil, Gas and Minerals Division
(505) 827-5744

RP/JB/cpm

Enclosure

xc: Reader File

OCD--Attention: David Catanach, Ben Stone

DISTRICT I

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

DISTRICT II

811 South First St., Artesia, NM 88210-2805

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

DHC 2/28/00

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Bass Enterprises Production Co.Address P. O. Box 2760 Midland, Texas 79702-2760Lease Bass State Com #1-15Unit Ltr. - Sec - Twp - Rge Unit Letter E, Section 15, T21S-R27E Eddy

Well No. _____

County _____

OGRID NO. 001801 Property Code 001773 API NO. 30-015-21167

Spacing Unit Lease Types: (check 1 or more)

Federal ☐ State ☒ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	<u>Borton Flat Strawn</u>		<u>Borton Flat Morrow</u>
2. Top and Bottom of Pay Section (Perforations)	<u>10,321-10,379</u>		<u>11,447-11,556</u>
3. Type of production (Oil or Gas)	<u>Gas</u>		<u>Gas</u>
4. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>		<u>Flowing</u>
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) <u>600 est.</u> b. (Original) <u>4214 meas.</u>	a. b.	a. <u>650 est</u> b. <u>4704 meas.</u>
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	<u>1070</u>		<u>1026</u>
7. Producing or Shut-In?	<u>Shut-In</u>		<u>Producing</u>
Production Marginal? (yes or no)	<u>Yes</u>		<u>Yes</u>
* 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	Date: <u>12/20/78</u> Rates: <u>0 BO, 17 MCF, 0 BW</u>	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: <u>12/8/99</u> Rates: <u>0 BO, 156 MCF, 0 BW</u>
8. Fixed Percentage Allocation Formula - % for each zone	Oil: <u>10 %</u> Gas: <u>10 %</u>	Oil: <u>%</u> Gas: <u>%</u>	Oil: <u>90 %</u> Gas: <u>90 %</u>

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 ☐ No11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed 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 ☐ No13. 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(D) 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 Tami Wilber TITLE Production Clerk DATE 2/1/00TYPE OR PRINT NAME Tami Wilber TELEPHONE NO. (915) 683-2277

Downhole Commingling Notification List

**Bass State Com #1-15
Burton Flat
(Strawn), (Morrow)
Eddy County, New Mexico**

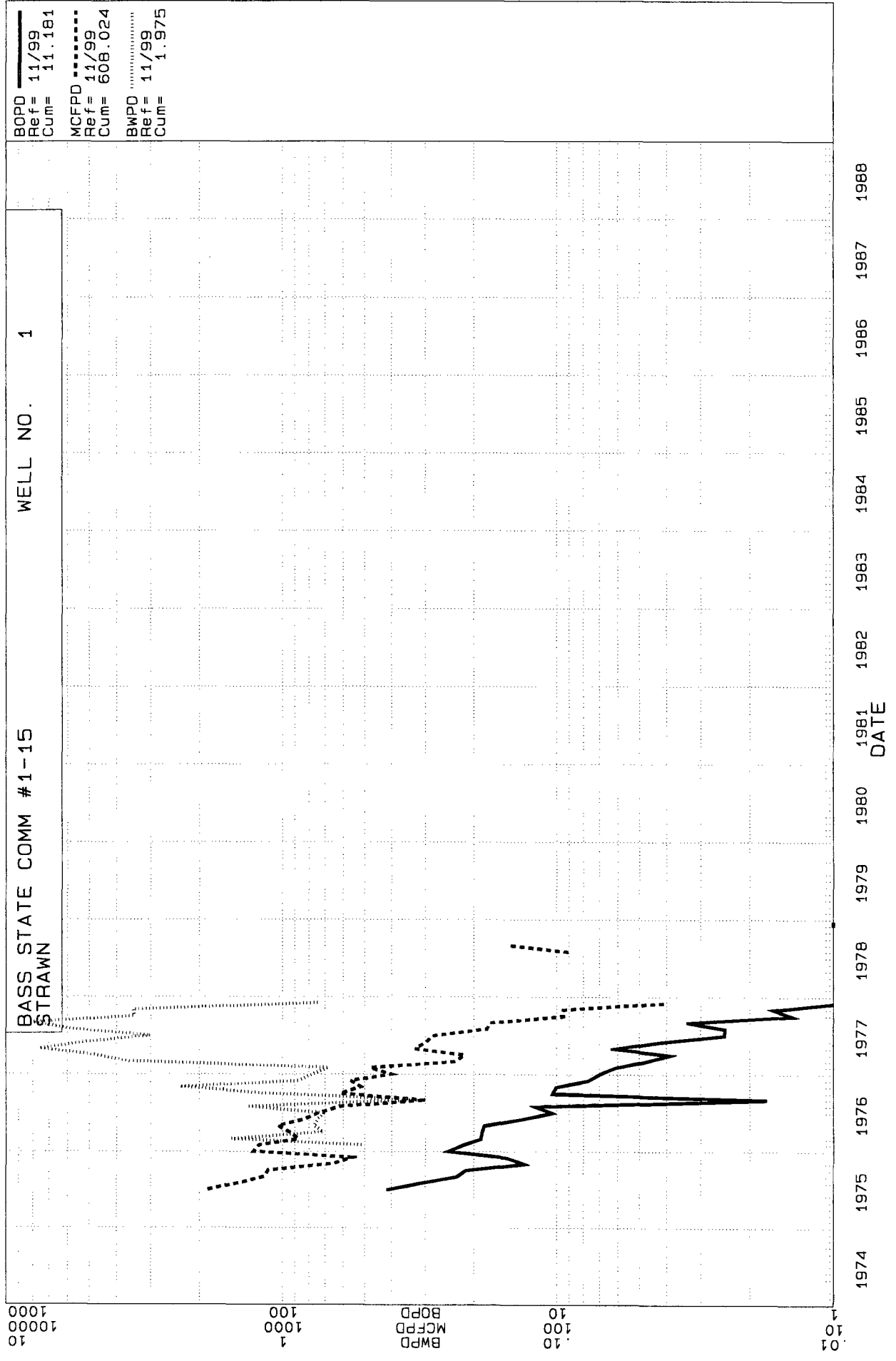
Anderson Oil Company 6400 South Fiddler's Green Circle Suite 1760 Englewood, CO 80111	Cibola Energy Corporation Box 1668 Albuquerque, NM 87103
Harvey E. Yates Co., Inc. Box 1933 Roswell, NM 88201	Yates Energy Corporation P. O. Box 2323 Roswell, NM 88202
Jalapeno Corporation P. O. Box 1608 Albuquerque, NM 87103	Saratoga Royalty c/o J. Ritchie Field P. O. Box 2804 Conroe, TX 77305
Shinnery Investment Company 906 S. St. Francis Drive Santa Fe, NM 87501	Harold Hackler Tenison Oil Company 401 Cypress Street Abilene, TX 79601
Gloria Oetting Texaco E & P Inc. P. O. Box 3109 Midland, TX 79702	Donna Riggs Texaco, Inc. 1111 Bagby 36 th Floor Houston, TX 77002
Ray Powell Commissioner of Public Lands State Land Office P. O. Box 1148 Santa Fe, NM 87504	

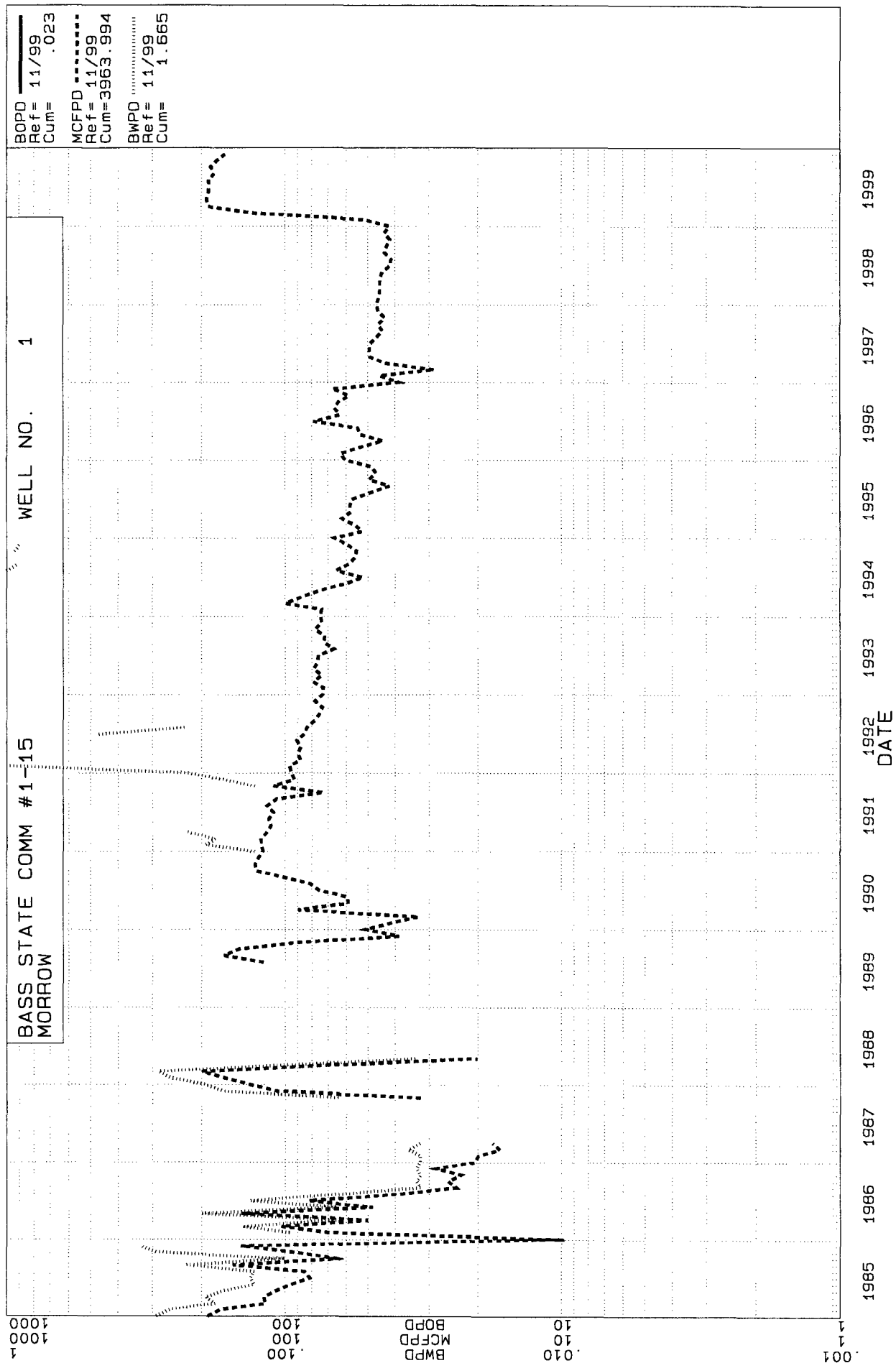
I, Tami Wilber, certify that all of the above interest owners and affected parties have been notified of this application via certified mail.



Bass Enterprises Production Co.
Tami Wilber
Production Clerk

2/2/00





Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Strawn) Eddy County, New Mexico

DATE	OIL	GAS	WATER
PRIOR CUMS	5511	264386	210
Jan-76	679	37726	16
Feb-76	529	24437	43
Mar-76	579	29157	22
Apr-76	551	31254	23
May-76	415	25686	23
Jun-76	312	22095	21
Jul-76	369	19088	41
Aug-76	54	9272	10
Sep-76	310	18445	34
Oct-76	311	16051	73
Nov-76	230	16903	26
Dec-76	216	12355	24
Jan-77	189	14767	21
Feb-77	134	6608	100
Mar-77	120	6695	147
Apr-77	186	9808	227
May-77	131	9237	160
Jun-77	74	8447	90
Jul-77	76	5548	179
Aug-77	103	5409	252
Sep-77	42	2834	103
Oct-77	51	2937	108
Nov-77	9	1231	22
Dec-77	0	0	0
Jan-78	0	0	0
Feb-78	0	0	0
Mar-78	0	0	0
Apr-78	0	0	0
May-78	0	0	0
1-Jun	0	0	0
Jul-78	0	2812	0
Aug-78	0	4687	0
Sep-78	0	0	0
Oct-78	0	0	0
Nov-78	0	132	0
Dec-78	0	17	0

Downhole Commingling Production Information

**Bass State Com #1-15
Burton Flat
(Morrow)
Eddy County, New Mexico**

DATE	OIL	GAS	WATER
PRIOR CUMS	0	1731271	0
Jan-77	0	65158	47
Feb-77	0	65714	60
Mar-77	0	61554	51
Apr-77	0	57969	40
May-77	0	50807	46
Jun-77	0	56481	43
Jul-77	0	46702	43
Aug-77	0	42607	37
Sep-77	0	36088	32
Oct-77	0	42647	16
Nov-77	0	33283	8
Dec-77	0	28814	35
Jan-78	0	39534	32
Feb-78	0	25353	40
Mar-78	0	54696	0
Apr-78	0	54665	0
May-78	0	49749	0
1-Jun	0	41015	0
Jul-78	0	41109	41
Aug-78	0	37694	40
Sep-78	0	6015	0
Oct-78	0	40150	0
Nov-78	0	43894	0
Dec-78	0	50589	0
Jan-79	0	15993	18
Feb-79	0	13168	23
Mar-79	13	13483	38
Apr-79	1	21450	42
May-79	0	46340	44
Jun-79	3	45194	147
Jul-79	0	23055	0
Aug-79	0	33718	0
Sep-79	0	13300	0
Oct-79	0	19627	0
Nov-79	0	11354	0
Dec-79	0	11081	0
Jan-80	0	38076	0
Feb-80	0	23371	0
Mar-80	0	20271	0
Apr-80	0	15460	0
May-80	0	21466	0
Jun-80	0	25933	0
Jul-80	0	15870	0
Aug-80	0	22950	0
Sep-80	0	13443	0

Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Morrow) Eddy County, New Mexico

Oct-80	0	6408	0
Nov-80	0	8059	0
Dec-80	0	9160	11
Jan-81	0	13319	0
Feb-81	0	11001	0
Mar-81	0	6318	0
Apr-81	0	59003	9
May-81	0	5255	5
Jun-81	0	6021	6
Jul-81	0	7036	0
Aug-81	0	7307	11
Sep-81	0	3984	0
Oct-81	0	7289	11
Nov-81	0	6826	10
Dec-81	0	6120	10
Jan-82	0	7072	11
Feb-82	0	6796	5
Mar-82	0	6899	10
Apr-82	0	6284	9
May-82	0	7307	11
Jun-82	0	8831	13
Jul-82	0	7139	11
Aug-82	0	6195	9
Sep-82	0	6134	9
Oct-82	0	5298	8
Nov-82	0	5496	8
Dec-82	0	6036	9
Jan-83	0	7769	12
Feb-83	0	5154	8
Mar-83	0	4843	7
Apr-83	0	5124	8
May-83	0	5117	8
Jun-83	0	4789	7
Jul-83	0	4980	7
Aug-83	0	5441	8
Sep-83	0	6501	10
Oct-83	0	4908	7
Nov-83	0	6007	9
Dec-83	0	4473	0
Jan-84	0	5827	0
Feb-84	0	5415	8
Mar-84	0	4576	7
Apr-84	0	4551	7
May-84	0	4603	7
Jun-84	0	4775	7
Jul-84	0	5038	8
Aug-84	0	2932	4
Sep-84	0	4549	7

Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Morrow) Eddy County, New Mexico

Oct-84	0	5945	9
Nov-84	0	5551	8
Dec-84	0	5901	9
Jan-85	0	5297	8
Feb-85	6	3294	5
Mar-85	0	3695	6
Apr-85	0	3244	5
May-85	0	2933	4
Jun-85	0	2440	4
Jul-85	0	2633	4
Aug-85	0	4766	7
Sep-85	0	1932	3
Oct-85	0	2872	9
Nov-85	0	4325	10
Dec-85	0	304	0
Jan-86	0	214	3
Feb-86	0	2889	4
Mar-86	0	1556	2
Apr-86	0	4307	6
May-86	0	1493	2
Jun-86	0	2461	4
Jul-86	0	1219	2
Aug-86	0	743	1
Sep-86	0	768	1
Oct-86	0	713	1
Nov-86	0	852	1
Dec-86	0	636	1
Jan-87	0	619	1
Feb-87	0	466	1
Mar-87	0	547	1
Apr-87	0	0	0
May-87	0	0	0
Jun-87	0	0	0
Jul-87	0	0	0
Aug-87	0	0	0
Sep-87	0	0	0
Oct-87	0	1003	2
Nov-87	0	3187	5
Dec-87	0	4132	6
Jan-88	0	5111	8
Feb-88	0	5598	8
Mar-88	0	2178	3
Apr-88	0	604	1
May-88	0	0	0
Jun-88	0	0	0
Jul-88	0	0	0
Aug-88	0	0	0
Sep-88	0	0	0

Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Morrow) Eddy County, New Mexico

Oct-88	0	0	0
Nov-88	0	0	0
Dec-88	0	0	0
Jan-89	0	0	0
Feb-89	0	0	0
Mar-89	0	0	0
Apr-89	0	0	0
May-89	0	0	0
Jun-89	0	0	0
Jul-89	0	3716	0
Aug-89	0	5159	0
Sep-89	0	4399	0
Oct-89	0	2751	0
Nov-89	0	1159	0
Dec-89	0	1588	0
Jan-90	0	1273	4
Feb-90	0	917	0
Mar-90	0	2777	0
Apr-90	0	1773	0
May-90	0	1836	0
Jun-90	0	2254	0
Jul-90	0	2505	0
Aug-90	0	3142	0
Sep-90	0	3802	0
Oct-90	0	3973	0
Nov-90	0	3741	0
Dec-90	0	3727	4
Jan-91	0	3785	6
Feb-91	0	3422	5
Mar-91	0	3608	7
Apr-91	0	3376	0
May-91	0	3554	0
Jun-91	0	3302	0
Jul-91	0	3602	0
Aug-91	0	3328	9
Sep-91	0	2175	0
Oct-91	0	3415	4
Nov-91	0	2777	5
Dec-91	0	2943	7
Jan-92	0	2981	31
Feb-92	0	2550	0
Mar-92	0	2784	0
Apr-92	0	2625	0
May-92	0	2805	0
Jun-92	0	2549	14
Jul-92	0	2576	7
Aug-92	0	2421	0
Sep-92	0	2258	0

Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Morrow) Eddy County, New Mexico

Oct-92	0	2275	0
Nov-92	0	2337	7
Dec-92	0	2266	0
Jan-93	0	2254	0
Feb-93	0	2212	0
Mar-93	0	2283	0
Apr-93	0	2361	0
May-93	0	2358	0
Jun-93	0	2276	0
Jul-93	0	2059	0
Aug-93	0	2240	0
Sep-93	0	2155	0
Oct-93	0	2412	0
Nov-93	0	2205	0
Dec-93	0	2304	0
Jan-94	0	2284	0
Feb-94	0	2787	0
Mar-94	0	2681	0
Apr-94	0	2222	30
May-94	0	1879	0
Jun-94	0	1566	0
Jul-94	0	2022	31
Aug-94	0	1826	28
Sep-94	0	1676	0
Oct-94	0	1707	29
Nov-94	0	1780	27
Dec-94	0	2060	0
Jan-95	0	1627	0
Feb-95	0	1549	0
Mar-95	0	1923	0
Apr-95	0	1738	0
May-95	0	1801	0
Jun-95	0	1712	0
Jul-95	0	1514	0
Aug-95	0	1292	0
Sep-95	0	1484	0
Oct-95	0	1449	0
Nov-95	0	1452	0
Dec-95	0	1871	0
Jan-96	0	1948	0
Feb-96	0	1508	0
Mar-96	0	1367	0
Apr-96	0	1601	0
May-96	0	1690	0
Jun-96	0	2371	0
Jul-96	0	1961	0
Aug-96	0	2053	0
Sep-96	0	1918	0

Downhole Commingling Production Information

Bass State Com #1-15 Burton Flat (Morrow) Eddy County, New Mexico

Oct-96	0	1818	0
Nov-96	0	2025	0
Dec-96	0	1200	0
Jan-97	0	1406	0
Feb-97	0	803	0
Mar-97	0	1346	0
Apr-97	0	1475	0
May-97	0	1526	0
Jun-97	0	1474	0
Jul-97	0	1441	0
Aug-97	0	1370	0
Sep-97	0	1379	0
Oct-97	0	1349	0
Nov-97	0	1381	0
Dec-97	0	1442	0
Jan-98	0	1422	0
Feb-98	0	1271	0
Mar-98	0	1407	0
Apr-98	0	1361	0
May-98	0	1378	0
Jun-98	0	1250	0
Jul-98	0	1278	0
Aug-98	0	1349	0
Sep-98	0	1284	0
Oct-98	0	1290	0
Nov-98	0	1306	0
Dec-98	0	1296	0
Jan-99	0	1604	0
Feb-99	0	3538	0
Mar-99	0	5830	0
Apr-99	0	5745	0
May-99	0	5851	0
Jun-99	0	5651	0
Jul-99	0	5846	0
Aug-99	0	5592	0
Sep-99	0	5561	0
Oct-99	0	5468	0
Nov-99	0	4943	0
Dec-99	0		0