

Case 9809
\$9810

YATES DRILLING COMPANY
PROPOSED CACTUS QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

PRODUCTION & DECLINE CURVES

10/09/89

** GROSS VALUES **

PAGE:

4

NUMBER: 10000005
 NAME: APACHE 27 STATE No. 01
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME:D:\PET4DATA\

RESERVOIR:
 FIELD: CHAVES ON GAS SE (ASC.)
 OPERATOR: YATES DRILLING CO.
 ID NUMBER:12S31E27N000N

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
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01/1985	0	0	0	0	0	0	0	0	0	0
02/1985	0	0	0	0	0	0	0	0	0	0
03/1985	0	0	0	0	0	0	0	0	0	0
04/1985	0	0	0	0	0	0	0	0	0	0
05/1985	0	0	0	0	0	0	0	0	0	0
06/1985	438	145	0	0	0	0	0	0	0	0
07/1985	2480	160	92	0	0	0	0	0	0	0
08/1985	2609	120	132	0	0	0	0	0	0	0
09/1985	2247	116	62	0	0	0	0	0	0	0
10/1985	1581	115	67	0	0	0	0	0	0	0
11/1985	1198	112	31	0	0	0	0	0	0	0
12/1985	1000	116	31	0	0	0	0	0	0	0

1985/YTD	11553	884	415	0	0	0	0	0	0	0
1985/CUM	11553	884	415	0	0	0	0	0	0	0

01/1986	915	115	31	0	0	0	0	0	0	0
02/1986	682	104	62	0	0	0	0	0	0	0
03/1986	661	115	54	0	0	0	0	0	0	0
04/1986	608	109	149	0	0	0	0	0	0	0
05/1986	280	116	138	0	0	0	0	0	0	0
06/1986	443	100	97	0	0	0	0	0	0	0
07/1986	421	90	117	0	0	0	0	0	0	0
08/1986	132	90	33	0	0	0	0	0	0	0
09/1986	271	101	286	0	0	0	0	0	0	0
10/1986	262	121	47	0	0	0	0	0	0	0
11/1986	198	94	44	0	0	0	0	0	0	0
12/1986	276	121	43	0	0	0	0	0	0	0

1986/YTD	5149	1276	1101	0	0	0	0	0	0	0
1986/CUM	16702	2160	1516	0	0	0	0	0	0	0

01/1987	225	121	20	0	0	0	0	0	0	0
02/1987	179	109	45	0	0	0	0	0	0	0
03/1987	196	121	40	0	0	0	0	0	0	0
04/1987	154	117	3	0	0	0	0	0	0	0
05/1987	156	121	37	0	0	0	0	0	0	0
06/1987	160	117	36	0	0	0	0	0	0	0
07/1987	137	121	43	0	0	0	0	0	0	0
08/1987	130	121	26	0	0	0	0	0	0	0
09/1987	123	117	42	0	0	0	0	0	0	0
10/1987	123	121	31	0	0	0	0	0	0	0
11/1987	103	117	38	0	0	0	0	0	0	0
12/1987	110	121	29	0	0	0	0	0	0	0

1987/YTD	1796	1424	390	0	0	0	0	0	0	0
1987/CUM	18498	3584	1906	0	0	0	0	0	0	0

10/09/89

GROSS VALUES

PAGE:

NUMBER: 10000005
NAME: APACHE 27 STATE No. 01
COUNTY/STATE: CHAVES/NM
DATABASE NAME: D:\FBI\DATA\

RESERVOIR:
FIELD: CHAVES ON GAS SE (ASC.)
OPERATOR: YATES DRILLING CO.
ID NUMBER: 12831E27N000N

PERIOD MO/YEAR	OIL BBL'S	GAS MCF	WATER BBL'S							REMARKS
01/1988	124	121	41	0	0	0	0	0	0	
02/1988	76	113	35	0	0	0	0	0	0	
03/1988	40	70	20	0	0	0	0	0	0	
04/1988	67	117	18	0	0	0	0	0	0	
05/1988	77	121	20	0	0	0	0	0	0	
06/1988	71	117	48	0	0	0	0	0	0	
07/1988	71	121	30	0	0	0	0	0	0	
08/1988	51	117	10	0	0	0	0	0	0	
09/1988	61	117	23	0	0	0	0	0	0	
10/1988	57	121	30	0	0	0	0	0	0	
11/1988	40	117	27	0	0	0	0	0	0	
12/1988	83	121	19	0	0	0	0	0	0	
1988/YTD	846	1373	321	0	0	0	0	0	0	
1988/CUM	17143	4957	2227	0	0	0	0	0	0	
01/1989	73	0	23	0	0	0	0	0	0	
02/1989	17	0	15	0	0	0	0	0	0	
03/1989	45	0	12	0	0	0	0	0	0	
04/1989	44	82	3	0	0	0	0	0	0	
05/1989	40	40	9	0	0	0	0	0	0	
06/1989	34	53	3	0	0	0	0	0	0	
07/1989	20	37	7	0	0	0	0	0	0	
1989/YTD	275	222	72	0	0	0	0	0	0	
1989/CUM	17418	5179	2299	0	0	0	0	0	0	

OIL

Cum: 19618.

Del: 45.7% n: .45.

(ACTUAL)

(PROJECTED)

Operator

YATES DRILLING CO.

Lease - Well

APACHE 27 STATE NO. 01

Zone

Field

CHAVES ON GAS SE (ASC.)

County/State

CHAVES/NM

1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

CACTUS QUEEN UNIT

NUMBER: 10000004
 NAME: APACHE 27 STATE No. 02
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\NPET4\DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN
 OPERATOR: Yates Drilling Company
 ID NUMBER: 12931E27K00QN

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs							REMARKS
01/1985	0	0	0	0	0	0	0	0	0	
02/1985	0	0	0	0	0	0	0	0	0	
03/1985	0	0	0	0	0	0	0	0	0	
04/1985	0	0	0	0	0	0	0	0	0	
05/1985	0	0	0	0	0	0	0	0	0	
06/1985	0	0	0	0	0	0	0	0	0	
07/1985	0	0	0	0	0	0	0	0	0	
08/1985	815	700	0	0	0	0	0	0	0	
09/1985	734	30	44	0	0	0	0	0	0	
10/1985	517	32	155	0	0	0	0	0	0	
11/1985	392	31	67	0	0	0	0	0	0	
12/1985	326	31	31	0	0	0	0	0	0	
1985/YTD	2784	824	297	0	0	0	0	0	0	
1985/CUM	2784	824	297	0	0	0	0	0	0	
01/1986	298	30	30	0	0	0	0	0	0	
02/1986	223	27	62	0	0	0	0	0	0	
03/1986	216	30	55	0	0	0	0	0	0	
04/1986	198	27	0	0	0	0	0	0	0	
05/1986	174	32	0	0	0	0	0	0	0	
06/1986	145	20	38	0	0	0	0	0	0	
07/1986	138	25	39	0	0	0	0	0	0	
08/1986	395	30	50	0	0	0	0	0	0	
09/1986	189	101	282	0	0	0	0	0	0	
10/1986	173	121	21	0	0	0	0	0	0	
11/1986	141	113	52	0	0	0	0	0	0	
12/1986	117	121	50	0	0	0	0	0	0	
1986/YTD	2407	677	687	0	0	0	0	0	0	
1986/CUM	3191	1501	984	0	0	0	0	0	0	
01/1987	107	121	23	0	0	0	0	0	0	
02/1987	94	109	38	0	0	0	0	0	0	
03/1987	113	121	57	0	0	0	0	0	0	
04/1987	109	117	6	0	0	0	0	0	0	
05/1987	92	121	39	0	0	0	0	0	0	
06/1987	70	117	34	0	0	0	0	0	0	
07/1987	67	121	45	0	0	0	0	0	0	
08/1987	50	121	24	0	0	0	0	0	0	
09/1987	65	117	38	0	0	0	0	0	0	
10/1987	65	121	28	0	0	0	0	0	0	
11/1987	51	117	36	0	0	0	0	0	0	
12/1987	43	121	28	0	0	0	0	0	0	
1987/YTD	940	1424	398	0	0	0	0	0	0	
1987/CUM	4131	2925	1380	0	0	0	0	0	0	

10/09/89

** GROSS VALUES **

PAGE:

4

NUMBER: 10000004
 NAME: APACHE 27 STATE NO. 02
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: Yates Drilling Company
 ID NUMBER: 12831E27K00GN

PERIOD	OIL	GAS	WATER								REMARKS
NO/YEAR	BBLs	NOF	BBLs								

01/1988	34	121	37	0	0	0	0	0	0	0
02/1988	16	113	37	0	0	0	0	0	0	0
03/1988	59	121	8	0	0	0	0	0	0	0
04/1988	41	117	21	0	0	0	0	0	0	0
05/1988	39	121	23	0	0	0	0	0	0	0
06/1988	34	117	25	0	0	0	0	0	0	0
07/1988	35	121	26	0	0	0	0	0	0	0
08/1988	29	117	12	0	0	0	0	0	0	0
09/1988	30	117	14	0	0	0	0	0	0	0
10/1988	31	121	45	0	0	0	0	0	0	0
11/1988	26	117	26	0	0	0	0	0	0	0
12/1988	47	121	1	0	0	0	0	0	0	0
1988/YTD	465	1424	275	0	0	0	0	0	0	0
1988/CUM	5596	4349	1655	0	0	0	0	0	0	0
01/1989	40	0	12	0	0	0	0	0	0	0
02/1989	11	0	8	0	0	0	0	0	0	0
03/1989	26	0	7	0	0	0	0	0	0	0
04/1989	26	117	0	0	0	0	0	0	0	0
05/1989	24	108	9	0	0	0	0	0	0	0
06/1989	20	90	3	0	0	0	0	0	0	0
07/1989	12	54	7	0	0	0	0	0	0	0
1989/YTD	159	369	46	0	0	0	0	0	0	0
1989/CUM	5755	4718	1701	0	0	0	0	0	0	0

OIL

Cum: 6755.
De: 1: 37.8% n: .46.

(ACTUAL)

(PROJECTED)

Operator

YATES DRILLING COMPANY

Lease - Well

APACHE 27 STATE NO. 02

Zone

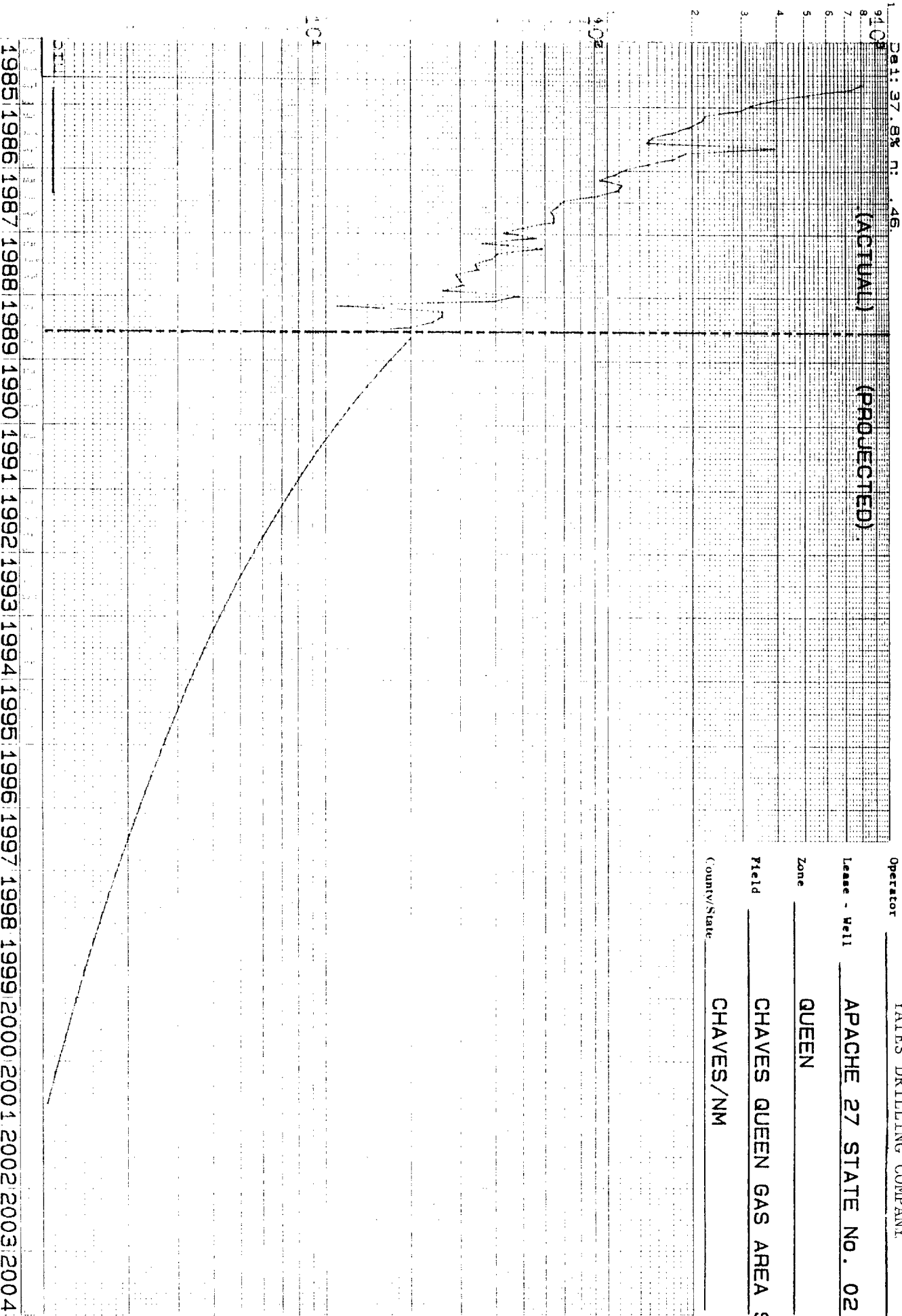
QUEEN

Field

CHAVES QUEEN GAS AREA SE

County/State

CHAVES/NM



CACTUS QUEEN UNIT

10/09/87

** GROSS VALUES **

PAGE:

9

NUMBER: 10000010
 NAME: BURKITT FEDERAL No. 03
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\FET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12S31E34C000N

PERIOD MO/YEAR	OIL BBLG	GAS MCF	WATER BBLG							REMARKS
01/1985	0	0	0	0	0	0	0	0	0	
02/1985	0	0	0	0	0	0	0	0	0	
03/1985	0	0	0	0	0	0	0	0	0	
04/1985	0	0	0	0	0	0	0	0	0	
05/1985	0	0	0	0	0	0	0	0	0	
06/1985	0	0	0	0	0	0	0	0	0	
07/1985	0	0	0	0	0	0	0	0	0	
08/1985	481	0	0	0	0	0	0	0	0	
09/1985	882	349	0	0	0	0	0	0	0	
10/1985	511	244	0	0	0	0	0	0	0	
11/1985	433	173	90	0	0	0	0	0	0	
12/1985	351	142	93	0	0	0	0	0	0	
1985/YTD	2743	908	183	0	0	0	0	0	0	
1985/CUM	2743	908	183	0	0	0	0	0	0	
01/1986	294	118	93	0	0	0	0	0	0	
02/1986	209	84	84	0	0	0	0	0	0	
03/1986	201	80	93	0	0	0	0	0	0	
04/1986	182	73	90	0	0	0	0	0	0	
05/1986	181	125	93	0	0	0	0	0	0	
06/1986	135	94	90	0	0	0	0	0	0	
07/1986	134	93	93	0	0	0	0	0	0	
08/1986	130	90	93	0	0	0	0	0	0	
09/1986	75	52	90	0	0	0	0	0	0	
10/1986	118	82	93	0	0	0	0	0	0	
11/1986	94	65	90	0	0	0	0	0	0	
12/1986	51	22	93	0	0	0	0	0	0	
1986/YTD	1784	979	1095	0	0	0	0	0	0	
1986/CUM	4527	1887	1278	0	0	0	0	0	0	
01/1987	132	92	93	0	0	0	0	0	0	
02/1987	101	70	84	0	0	0	0	0	0	
03/1987	90	62	93	0	0	0	0	0	0	
04/1987	84	58	90	0	0	0	0	0	0	
05/1987	92	64	93	0	0	0	0	0	0	
06/1987	43	30	90	0	0	0	0	0	0	
07/1987	59	41	93	0	0	0	0	0	0	
08/1987	49	34	93	0	0	0	0	0	0	
09/1987	58	47	90	0	0	0	0	0	0	
10/1987	62	43	93	0	0	0	0	0	0	
11/1987	64	44	90	0	0	0	0	0	0	
12/1987	49	34	93	0	0	0	0	0	0	
1987/YTD	893	619	1095	0	0	0	0	0	0	
1987/CUM	5420	2506	2373	0	0	0	0	0	0	

NUMBER: 10-00010
 NAME: BURDITT FEDERAL No. 92
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12S31E34C000QN

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1988	65	45	93	0	0	0	0	0	0	0	
02/1988	32	22	61	0	0	0	0	0	0	0	
03/1988	24	44	28	0	0	0	0	0	0	0	
04/1988	37	26	19	0	0	0	0	0	0	0	
05/1988	47	32	54	0	0	0	0	0	0	0	
06/1988	50	111	72	0	0	0	0	0	0	0	
07/1988	44	97	51	0	0	0	0	0	0	0	
08/1988	41	91	61	0	0	0	0	0	0	0	
09/1988	30	66	39	0	0	0	0	0	0	0	
10/1988	36	80	74	0	0	0	0	0	0	0	
11/1988	23	51	50	0	0	0	0	0	0	0	
12/1988	28	62	20	0	0	0	0	0	0	0	
1988/YTD	497	727	622	0	0	0	0	0	0	0	
1988/CUM	5917	3233	2995	0	0	0	0	0	0	0	
01/1989	23	51	39	0	0	0	0	0	0	0	
02/1989	26	57	32	0	0	0	0	0	0	0	
03/1989	31	69	30	0	0	0	0	0	0	0	
04/1989	33	0	62	0	0	0	0	0	0	0	
05/1989	37	0	26	0	0	0	0	0	0	0	
06/1989	12	6	41	0	0	0	0	0	0	0	
07/1989	26	0	37	0	0	0	0	0	0	0	
1989/YTD	188	177	267	0	0	0	0	0	0	0	
1989/CUM	6105	3410	3262	0	0	0	0	0	0	0	

OTL

Cum: 6105.

Det: 37% n: .46

(ACTUAL)

(PROJECTED)

Operator

YATES DRLG CO

Lease - Well

BURKITT FEDERAL No. 03

Zone

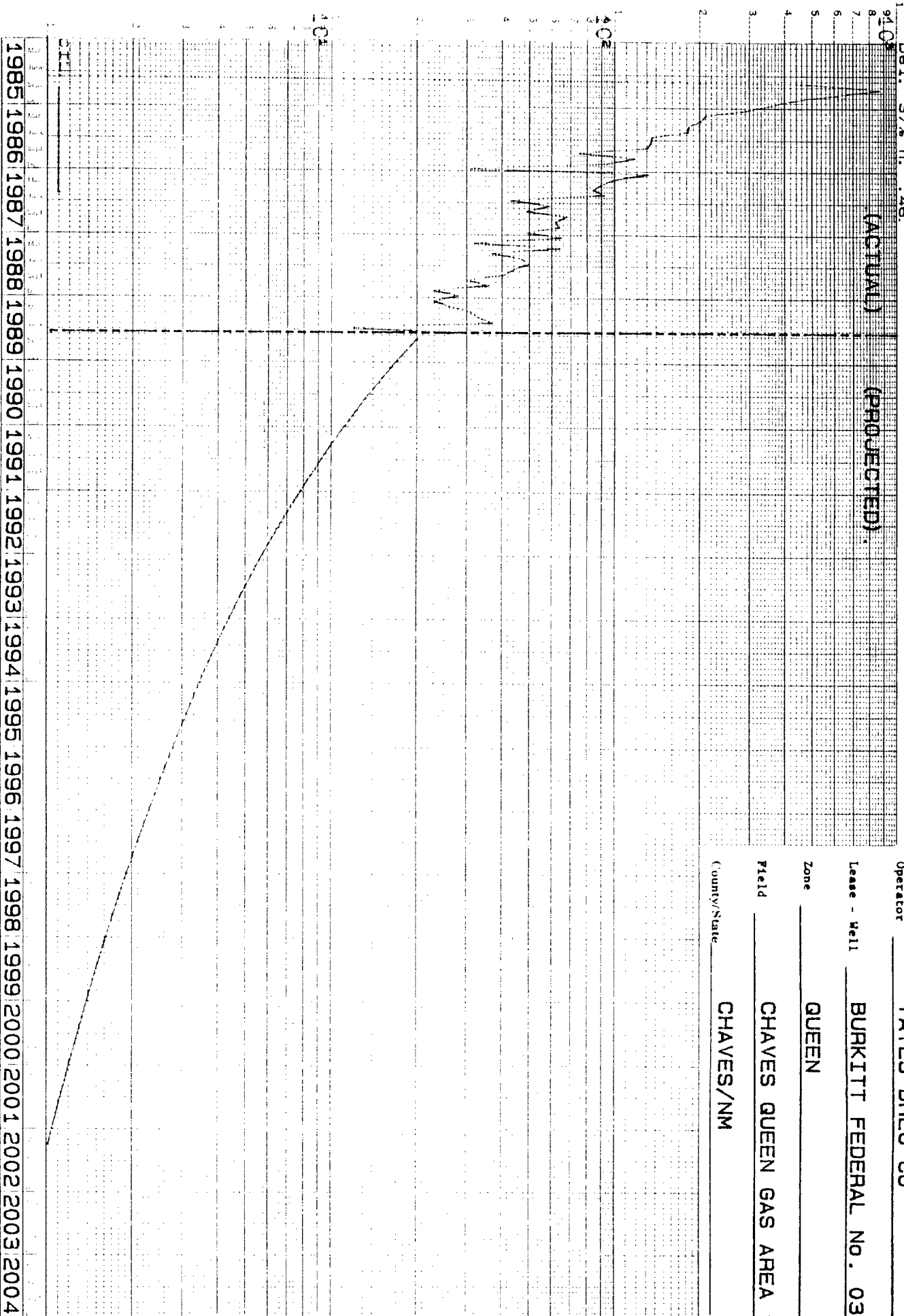
QUEEN

Field

CHAVES QUEEN GAS AREA SE

County/State

CHAVES/NM



CACTUS QUEEN UNIT

10/09/89

** GROSS VALUES **

PAGE:

8

NUMBER: 10000009
 NAME: DELONA FEDERAL NO. 03
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\FET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRILG CO
 ID NUMBER: 12531E34B00QN

PERIOD MO/YEAR	OIL BBL	GAS MCF	WATER BBL	REMARKS							
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01/1985	0	0	0	0	0	0	0	0	0	0
02/1985	0	0	0	0	0	0	0	0	0	0
03/1985	1436	836	465	0	0	0	0	0	0	0
04/1985	1185	611	450	0	0	0	0	0	0	0
05/1985	1346	693	465	0	0	0	0	0	0	0
06/1985	1010	523	450	0	0	0	0	0	0	0
07/1985	764	393	465	0	0	0	0	0	0	0
08/1985	551	338	465	0	0	0	0	0	0	0
09/1985	536	276	460	0	0	0	0	0	0	0
10/1985	511	264	465	0	0	0	0	0	0	0
11/1985	429	221	150	0	0	0	0	0	0	0
12/1985	395	203	155	0	0	0	0	0	0	0

1985/YTD	8275	4358	3980	0	0	0	0	0	0	0
1985/CUM	8275	4358	3980	0	0	0	0	0	0	0

01/1986	387	164	155	0	0	0	0	0	0	0
02/1986	103	53	140	0	0	0	0	0	0	0
03/1986	466	240	155	0	0	0	0	0	0	0
04/1986	357	122	150	0	0	0	0	0	0	0
05/1986	240	163	155	0	0	0	0	0	0	0
06/1986	172	117	150	0	0	0	0	0	0	0
07/1986	208	141	155	0	0	0	0	0	0	0
08/1986	182	124	155	0	0	0	0	0	0	0
09/1986	136	94	150	0	0	0	0	0	0	0
10/1986	172	117	155	0	0	0	0	0	0	0
11/1986	157	107	150	0	0	0	0	0	0	0
12/1986	127	66	155	0	0	0	0	0	0	0

1986/YTD	2559	1348	1825	0	0	0	0	0	0	0
1986/CUM	10834	5906	5805	0	0	0	0	0	0	0

01/1987	110	75	155	0	0	0	0	0	0	0
02/1987	91	65	140	0	0	0	0	0	0	0
03/1987	108	73	155	0	0	0	0	0	0	0
04/1987	95	65	150	0	0	0	0	0	0	0
05/1987	119	82	155	0	0	0	0	0	0	0
06/1987	89	61	150	0	0	0	0	0	0	0
07/1987	87	60	155	0	0	0	0	0	0	0
08/1987	83	60	155	0	0	0	0	0	0	0
09/1987	76	52	150	0	0	0	0	0	0	0
10/1987	75	54	155	0	0	0	0	0	0	0
11/1987	85	58	150	0	0	0	0	0	0	0
12/1987	83	58	155	0	0	0	0	0	0	0

1987/YTD	1117	763	1825	0	0	0	0	0	0	0
1987/CUM	11951	6669	7630	0	0	0	0	0	0	0

10/09/89

** GROSS VALUES **

PAGE:

9

NUMBER: 10000009
 NAME: DELUNA FEDERAL No. 03
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\APET4\DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN
 OPERATOR: YATES ORLG CO
 ID NUMBER: 12831E348000N

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1988	68	47	155	0	0	0	0	0	0	0	
02/1988	71	49	77	0	0	0	0	0	0	0	
03/1988	73	50	28	0	0	0	0	0	0	0	
04/1988	64	44	28	0	0	0	0	0	0	0	
05/1988	65	46	47	0	0	0	0	0	0	0	
06/1988	44	100	70	0	0	0	0	0	0	0	
07/1988	48	110	41	0	0	0	0	0	0	0	
08/1988	49	112	69	0	0	0	0	0	0	0	
09/1988	35	80	72	0	0	0	0	0	0	0	
10/1988	45	103	77	0	0	0	0	0	0	0	
11/1988	22	50	76	0	0	0	0	0	0	0	
12/1988	36	82	59	0	0	0	0	0	0	0	
1988/YTD	620	873	809	0	0	0	0	0	0	0	
1988/CUM	12571	7542	8439	0	0	0	0	0	0	0	
01/1989	37	84	32	0	0	0	0	0	0	0	
02/1989	36	82	34	0	0	0	0	0	0	0	
03/1989	36	82	35	0	0	0	0	0	0	0	
04/1989	23	0	72	0	0	0	0	0	0	0	
05/1989	48	0	26	0	0	0	0	0	0	0	
06/1989	18	0	48	0	0	0	0	0	0	0	
07/1989	36	0	32	0	0	0	0	0	0	0	
1989/YTD	234	248	279	0	0	0	0	0	0	0	
1989/CUM	12805	7790	8718	0	0	0	0	0	0	0	

OIL

Cum: 12805.

Det: 33.7% N: .46

(ACTUAL)

(PROJECTED)

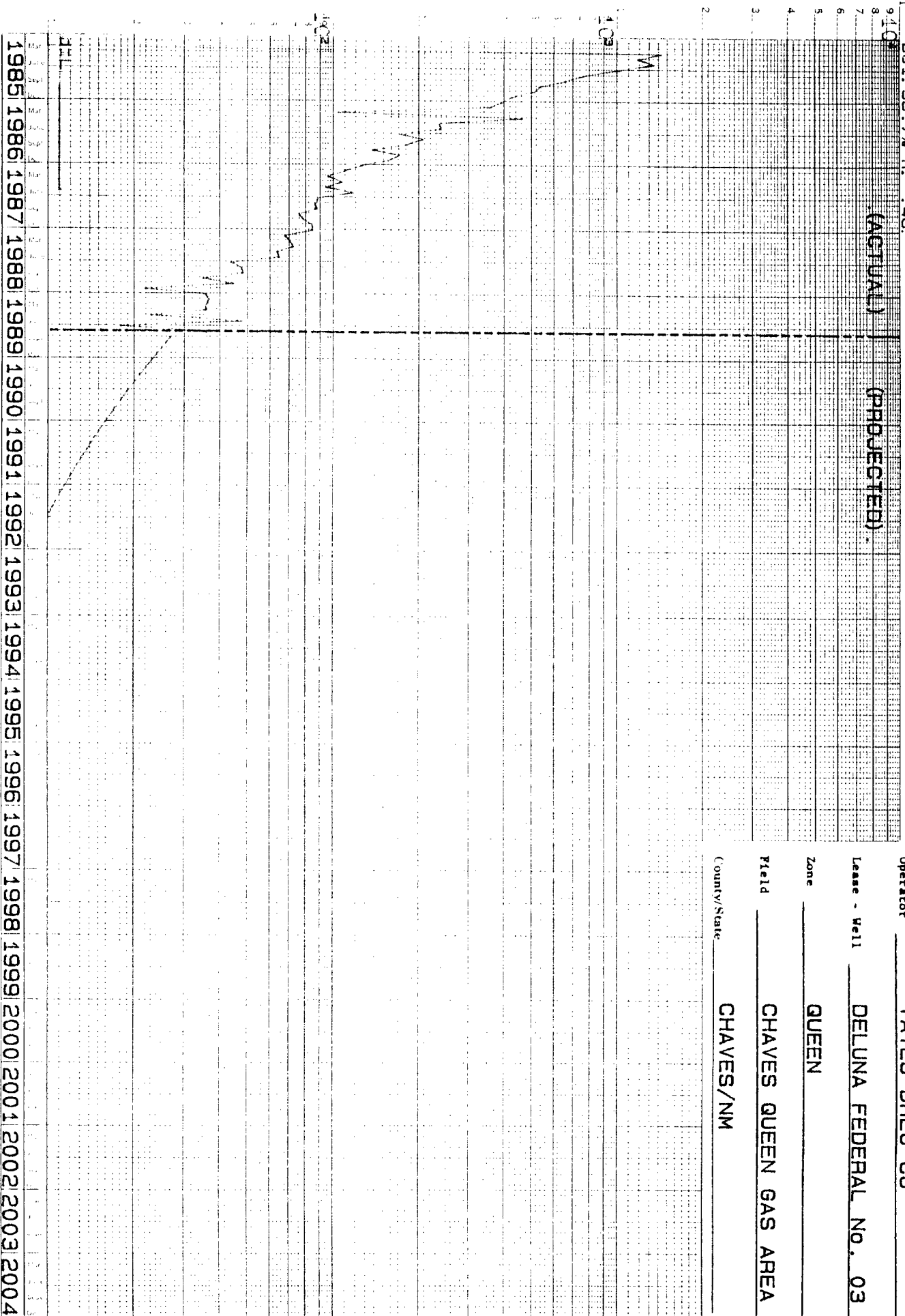
Operator YATES DR LG CO

Lease - Well DELUNA FEDERAL No. 03

Zone QUEEN

Field CHAVES QUEEN GAS AREA SE

County/State CHAVES/NM



CACTUS QUEEN UNIT

10/09/89

** GROSS VALUES **

PAGE:

7

NUMBER: 10000008
 NAME: EDYAL NO. 01
 COUNTY/STATE: CHAVES/DM
 DATABASE NAME: D:\VFET42\DATA

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12S31E34A000N

PERIOD MO/YEAR	GAS BBLS	WATER HCF	REMARKS
01/1984	0	0	0
02/1984	0	0	0
03/1984	0	0	0
04/1984	0	0	0
05/1984	0	0	0
06/1984	0	0	0
07/1984	0	0	0
08/1984	741	0	0
09/1984	2025	0	300
10/1984	2320	1105	310
11/1984	2320	0	300
12/1984	3204	1522	310
1984/YTD	10854	2628	1220
1984/CUM	10854	2628	1220
01/1985	2871	1384	310
02/1985	2207	1048	280
03/1985	2001	950	310
04/1985	1157	550	300
05/1985	1655	786	310
06/1985	1475	701	300
07/1985	1316	525	310
08/1985	1180	551	310
09/1985	1600	760	300
10/1985	1493	709	310
11/1985	1324	581	375
12/1985	995	473	388
1985/YTD	19174	9108	3803
1985/CUM	29828	11736	5023
01/1986	966	459	388
02/1986	780	371	350
03/1986	799	380	388
04/1986	753	358	375
05/1986	748	337	367
06/1986	642	289	375
07/1986	644	290	387
08/1986	530	239	367
09/1986	598	180	375
10/1986	585	263	387
11/1986	523	235	375
12/1986	478	215	387
1986/YTD	7847	3618	4561
1986/CUM	37675	15352	9584

10/09/89

** GROSS VALUES **

PAGE:

8

NUMBER: 10000008
 NAME: DOYAL No. 01
 COUNTY/STATE: CHAVES/NN
 DATABASE NAME: D:\FET40DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSD.) QN
 OPERATOR: YATES DRUG CO
 ID NUMBER: 12S31E34A000N

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs	REMARKS						
-------------------	-------------	------------	---------------	---------	--	--	--	--	--	--

01/1987	396	178	387	0	0	0	0	0	0	0
02/1987	383	172	350	0	0	0	0	0	0	0
03/1987	423	190	349	0	0	0	0	0	0	0
04/1987	330	149	338	0	0	0	0	0	0	0
05/1987	397	176	350	0	0	0	0	0	0	0
06/1987	318	141	338	0	0	0	0	0	0	0
07/1987	329	146	350	0	0	0	0	0	0	0
08/1987	313	139	350	0	0	0	0	0	0	0
09/1987	269	119	338	0	0	0	0	0	0	0
10/1987	262	116	350	0	0	0	0	0	0	0
11/1987	244	108	339	0	0	0	0	0	0	0
12/1987	232	103	313	0	0	0	0	0	0	0

1987/YTD	3896	1737	4152	0	0	0	0	0	0	0
1987/CUM	41571	17089	13736	0	0	0	0	0	0	0

01/1988	235	104	313	0	0	0	0	0	0	0
02/1988	219	97	148	0	0	0	0	0	0	0
03/1988	241	107	72	0	0	0	0	0	0	0
04/1988	222	98	118	0	0	0	0	0	0	0
05/1988	239	106	131	0	0	0	0	0	0	0
06/1988	194	334	102	0	0	0	0	0	0	0
07/1988	175	301	130	0	0	0	0	0	0	0
08/1988	190	327	102	0	0	0	0	0	0	0
09/1988	170	292	113	0	0	0	0	0	0	0
10/1988	153	332	156	0	0	0	0	0	0	0
11/1988	182	313	112	0	0	0	0	0	0	0
12/1988	165	117	98	0	0	0	0	0	0	0

1988/YTD	2426	2528	1595	0	0	0	0	0	0	0
1988/CUM	43977	17617	15331	0	0	0	0	0	0	0

01/1989	165	264	43	0	0	0	0	0	0	0
02/1989	248	427	58	0	0	0	0	0	0	0
03/1989	116	200	130	0	0	0	0	0	0	0
04/1989	147	118	111	0	0	0	0	0	0	0
05/1989	153	123	58	0	0	0	0	0	0	0
06/1989	164	148	97	0	0	0	0	0	0	0
07/1989	161	161	76	0	0	0	0	0	0	0

1989/YTD	1214	1481	567	0	0	0	0	0	0	0
1989/CUM	45211	21078	15898	0	0	0	0	0	0	0

OIL

Cum: 46241.

Det: 29.6% N: .46

(ACTUAL)

(PROJECTED)

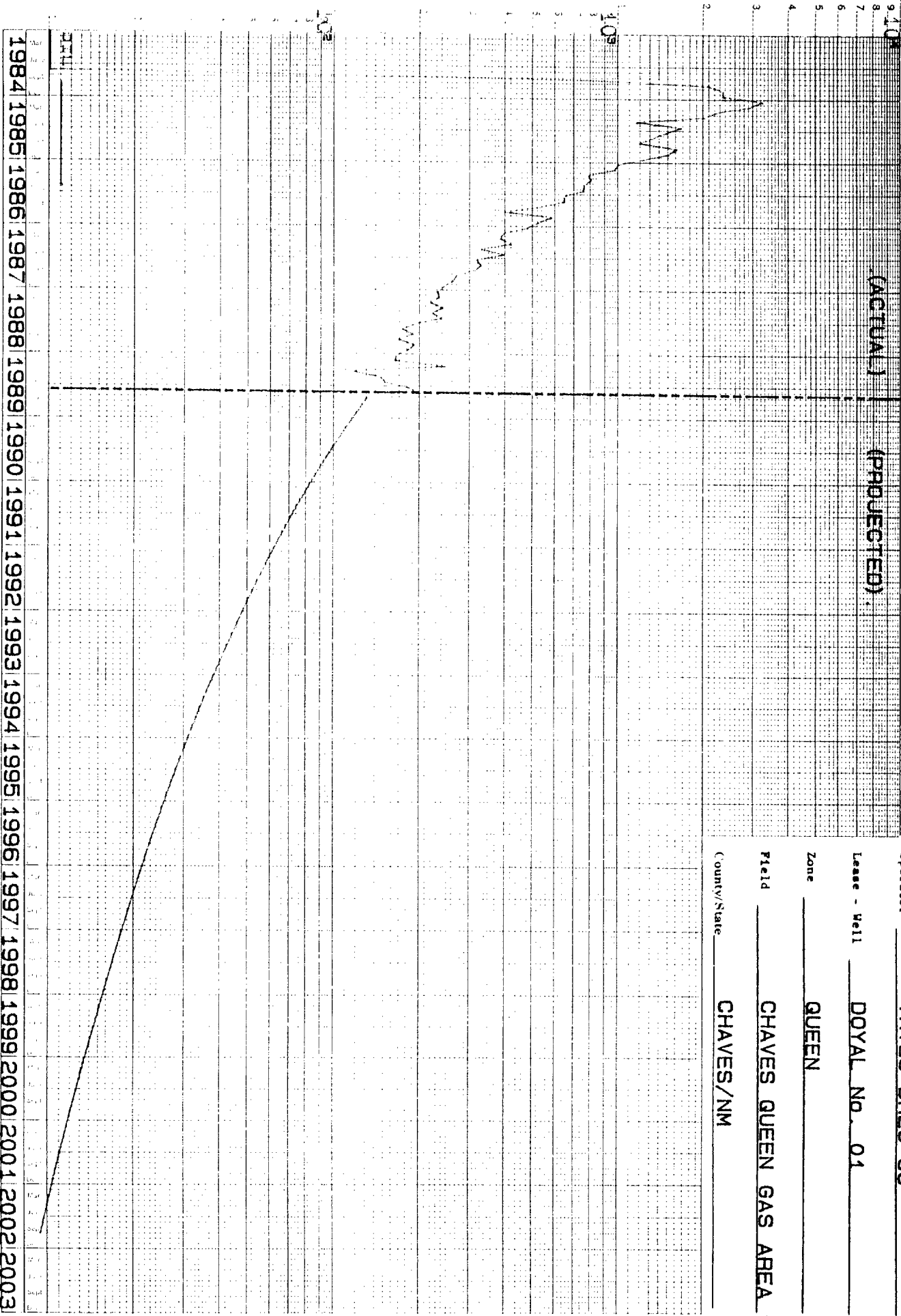
Operator YATES DRLG CO

Lease - Well DOYAL No. 01

Zone QUEEN

Field CHAVES QUEEN GAS AREA SE

County/State CHAVES/NM



CACTUS QUEEN UNIT

10/09/89

** GROSS VALUES **

PAGE:

6

NUMBER: 10000007
 NAME: DOYAL NO. 02
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\FET4DATA\

RESERVOIR:
 FIELD: CHAVES QUEEN GAS AREA SE (ASSD.) QN
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12831E27F00QN

PERIOD	OIL	GAS	WATER								REMARKS
MO/YEAR	BBLS	MCF	BBLS								

01/1984	0	0	0	0	0	0	0	0	0	0
02/1984	0	0	0	0	0	0	0	0	0	0
03/1984	0	0	0	0	0	0	0	0	0	0
04/1984	0	0	0	0	0	0	0	0	0	0
05/1984	0	0	0	0	0	0	0	0	0	0
06/1984	0	0	0	0	0	0	0	0	0	0
07/1984	0	0	0	0	0	0	0	0	0	0
08/1984	0	0	0	0	0	0	0	0	0	0
09/1984	605	0	0	0	0	0	0	0	0	0
10/1984	1862	1024	0	0	0	0	0	0	0	0
11/1984	1863	942	0	0	0	0	0	0	0	0
12/1984	2572	1132	0	0	0	0	0	0	0	0

1984/YTD	5902	3098	0	0	0	0	0	0	0	0
1984/CUM	5902	3098	0	0	0	0	0	0	0	0

01/1985	2304	1014	0	0	0	0	0	0	0	0
02/1985	1771	779	0	0	0	0	0	0	0	0
03/1985	1640	722	0	0	0	0	0	0	0	0
04/1985	919	404	0	0	0	0	0	0	0	0
05/1985	1282	556	0	0	0	0	0	0	0	0
06/1985	1126	493	0	0	0	0	0	0	0	0
07/1985	1004	440	0	0	0	0	0	0	0	0
08/1985	981	395	0	0	0	0	0	0	0	0
09/1985	1221	535	0	0	0	0	0	0	0	0
10/1985	1140	499	0	0	0	0	0	0	0	0
11/1985	934	409	375	0	0	0	0	0	0	0
12/1985	759	332	388	0	0	0	0	0	0	0

1985/YTD	14980	6578	763	0	0	0	0	0	0	0
1985/CUM	21884	9676	763	0	0	0	0	0	0	0

01/1986	738	323	388	0	0	0	0	0	0	0
02/1986	596	261	350	0	0	0	0	0	0	0
03/1986	610	267	388	0	0	0	0	0	0	0
04/1986	574	251	375	0	0	0	0	0	0	0
05/1986	570	237	387	0	0	0	0	0	0	0
06/1986	489	203	375	0	0	0	0	0	0	0
07/1986	491	204	387	0	0	0	0	0	0	0
08/1986	404	168	387	0	0	0	0	0	0	0
09/1986	504	126	375	0	0	0	0	0	0	0
10/1986	446	185	327	0	0	0	0	0	0	0
11/1986	399	166	375	0	0	0	0	0	0	0
12/1986	365	152	388	0	0	0	0	0	0	0

1986/YTD	5961	2543	4562	0	0	0	0	0	0	0
1986/CUM	27845	12219	5325	0	0	0	0	0	0	0

10/09/89

** GROSS VALUES **

PAGE:

7

NUMBER: 10000007
 NAME: DOYAL NO. 02
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PET4DATA\

RESERVOIR:
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN
 OPERATOR: YATES DRUG CO
 ID NUMBER: 12S31E27P00QN

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1987	302	125	388	0	0	0	0	0	0	0	
02/1987	292	121	350	0	0	0	0	0	0	0	
03/1987	322	134	349	0	0	0	0	0	0	0	
04/1987	251	104	338	0	0	0	0	0	0	0	
05/1987	302	130	350	0	0	0	0	0	0	0	
06/1987	242	105	338	0	0	0	0	0	0	0	
07/1987	250	108	350	0	0	0	0	0	0	0	
08/1987	238	103	350	0	0	0	0	0	0	0	
09/1987	205	89	338	0	0	0	0	0	0	0	
10/1987	200	85	350	0	0	0	0	0	0	0	
11/1987	187	81	339	0	0	0	0	0	0	0	
12/1987	178	77	312	0	0	0	0	0	0	0	
1987/YTD	2917	1263	4152	0	0	0	0	0	0	0	
1987/CUM	30839	13482	9477	0	0	0	0	0	0	0	
01/1988	181	78	312	0	0	0	0	0	0	0	
02/1988	117	72	148	0	0	0	0	0	0	0	
03/1988	164	79	72	0	0	0	0	0	0	0	
04/1988	170	73	118	0	0	0	0	0	0	0	
05/1988	180	79	131	0	0	0	0	0	0	0	
06/1988	148	253	102	0	0	0	0	0	0	0	
07/1988	133	237	130	0	0	0	0	0	0	0	
08/1988	145	258	102	0	0	0	0	0	0	0	
09/1988	110	231	113	0	0	0	0	0	0	0	
10/1988	146	253	156	0	0	0	0	0	0	0	
11/1988	137	247	111	0	0	0	0	0	0	0	
12/1988	121	93	56	0	0	0	0	0	0	0	
1988/YTD	1854	1970	1591	0	0	0	0	0	0	0	
1988/CUM	32693	15455	11068	0	0	0	0	0	0	0	
01/1989	128	223	43	0	0	0	0	0	0	0	
02/1989	188	335	58	0	0	0	0	0	0	0	
03/1989	68	157	130	0	0	0	0	0	0	0	
04/1989	112	0	111	0	0	0	0	0	0	0	
05/1989	112	0	58	0	0	0	0	0	0	0	
06/1989	119	0	97	0	0	0	0	0	0	0	
07/1989	152	0	70	0	0	0	0	0	0	0	
1989/YTD	920	715	567	0	0	0	0	0	0	0	
1989/CUM	33613	16170	11635	0	0	0	0	0	0	0	

OIL

Cum: 33613.

Det: 25.3K N: 1.46

(ACTUAL)

(PROJECTED)

Operator

YATES DRLG CO

Lease - Well

DOYAL NO. 02

Zone

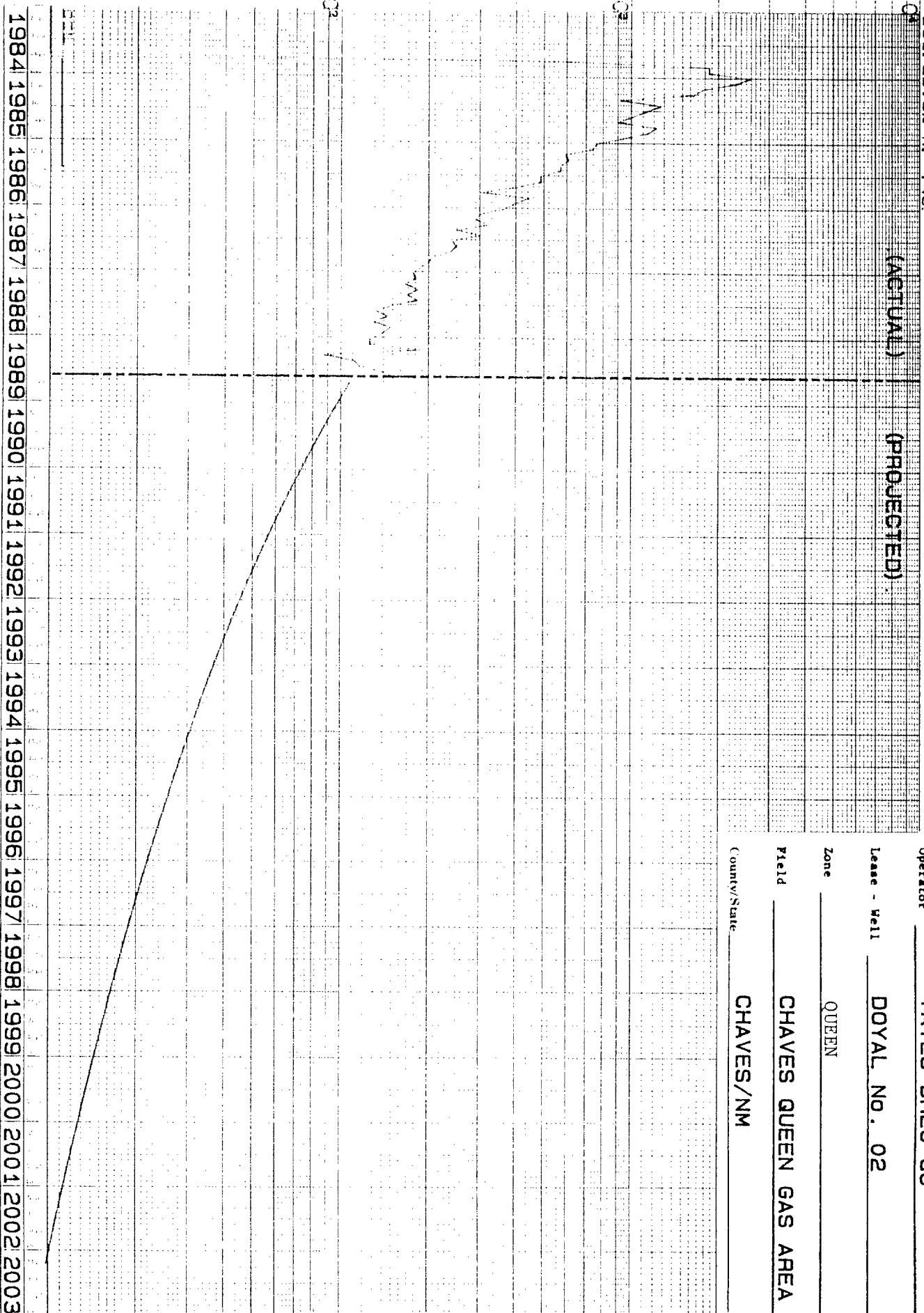
QUEEN

Field

CHAVES QUEEN GAS AREA SE

County/State

CHAVES/NM



CACTUS QUEEN UNIT

10/09/87

** GROSS VALUES **

PAGE:

1

NUMBER: 10000002

NAME: DRYAL No. 04

COUNTY/STATE: CHAVES/NM

DATABASE NAME: D:\PET40DATA\

RESERVOIR:

FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN

OPERATOR: YATES DRLG CO

ID NUMBER: 12531E26M00QN

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
-------------------	-------------	------------	---------------	--	--	--	--	--	--	--	---------

01/1984	0	0	0	0	0	0	0	0	0	0
02/1984	0	0	0	0	0	0	0	0	0	0
03/1984	0	0	0	0	0	0	0	0	0	0
04/1984	0	0	0	0	0	0	0	0	0	0
05/1984	0	0	0	0	0	0	0	0	0	0
06/1984	0	0	0	0	0	0	0	0	0	0
07/1984	0	0	0	0	0	0	0	0	0	0
08/1984	0	0	0	0	0	0	0	0	0	0
09/1984	0	0	0	0	0	0	0	0	0	0
10/1984	0	0	0	0	0	0	0	0	0	0
11/1984	0	0	0	0	0	0	0	0	0	0
12/1984	383	0	0	0	0	0	0	0	0	0

1984/YTD	383	0	0	0	0	0	0	0	0	0
1984/CUM	383	0	0	0	0	0	0	0	0	0

01/1985	240	240	1550	0	0	0	0	0	0	0
02/1985	312	312	1400	0	0	0	0	0	0	0
03/1985	249	249	1550	0	0	0	0	0	0	0
04/1985	336	336	1500	0	0	0	0	0	0	0
05/1985	234	234	1550	0	0	0	0	0	0	0
06/1985	255	223	1500	0	0	0	0	0	0	0
07/1985	326	285	1550	0	0	0	0	0	0	0
08/1985	433	379	1550	0	0	0	0	0	0	0
09/1985	318	277	1500	0	0	0	0	0	0	0
10/1985	176	172	1550	0	0	0	0	0	0	0
11/1985	417	361	1500	0	0	0	0	0	0	0
12/1985	179	174	1550	0	0	0	0	0	0	0

1985/YTD	3504	3242	18250	0	0	0	0	0	0	0
1985/CUM	3892	3242	18250	0	0	0	0	0	0	0

01/1986	186	183	1550	0	0	0	0	0	0	0
02/1986	235	206	1400	0	0	0	0	0	0	0
03/1986	180	158	1550	0	0	0	0	0	0	0
04/1986	46	40	1500	0	0	0	0	0	0	0
05/1986	46	0	1550	0	0	0	0	0	0	0
06/1986	39	0	1500	0	0	0	0	0	0	0
07/1986	39	0	1550	0	0	0	0	0	0	0
08/1986	32	0	1550	0	0	0	0	0	0	0
09/1986	25	0	1500	0	0	0	0	0	0	0
10/1986	32	0	1550	0	0	0	0	0	0	0
11/1986	32	0	1500	0	0	0	0	0	0	0
12/1986	29	0	1550	0	0	0	0	0	0	0

1986/YTD	928	567	18250	0	0	0	0	0	0	0
1986/CUM	4817	3809	36500	0	0	0	0	0	0	0

10/07/89

** GROSS VALUES **

PAGE:

2

NUMBER: 10000002
 NAME: DOYAL No. 04
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PET4DATA\

RESERVOIR:
 FIELD: CHAVES QUEEN GAS AREA SE (ASSD.) ON
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12S31E26M000N

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1987	24	0	1550	0	0	0	0	0	0	0	
02/1987	23	0	1400	0	0	0	0	0	0	0	
03/1987	25	0	1627	0	0	0	0	0	0	0	
04/1987	20	0	1574	0	0	0	0	0	0	0	
05/1987	24	0	1598	0	0	0	0	0	0	0	
06/1987	19	0	1546	0	0	0	0	0	0	0	
07/1987	20	0	1596	0	0	0	0	0	0	0	
08/1987	19	0	1596	0	0	0	0	0	0	0	
09/1987	16	0	1546	0	0	0	0	0	0	0	
10/1987	16	0	1598	0	0	0	0	0	0	0	
11/1987	15	0	1546	0	0	0	0	0	0	0	
12/1987	14	0	1425	0	0	0	0	0	0	0	
1987/YTD	235	0	18502	0	0	0	0	0	0	0	
1987/CUM	5052	3809	55102	0	0	0	0	0	0	0	
01/1988	14	0	1425	0	0	0	0	0	0	0	
02/1988	14	0	669	0	0	0	0	0	0	0	
03/1988	16	0	337	0	0	0	0	0	0	0	
04/1988	16	0	566	0	0	0	0	0	0	0	
05/1988	17	0	609	0	0	0	0	0	0	0	
06/1988	14	0	473	0	0	0	0	0	0	0	
07/1988	13	0	503	0	0	0	0	0	0	0	
08/1988	14	0	476	0	0	0	0	0	0	0	
09/1988	12	0	529	0	0	0	0	0	0	0	
10/1988	13	0	730	0	0	0	0	0	0	0	
11/1988	12	0	520	0	0	0	0	0	0	0	
12/1988	11	0	455	0	0	0	0	0	0	0	
1988/YTD	165	0	7596	0	0	0	0	0	0	0	
1988/CUM	5217	3809	62498	0	0	0	0	0	0	0	
01/1989	11	0	204	0	0	0	0	0	0	0	
02/1989	17	0	271	0	0	0	0	0	0	0	
03/1989	8	0	612	0	0	0	0	0	0	0	
04/1989	10	0	519	0	0	0	0	0	0	0	
05/1989	11	0	270	0	0	0	0	0	0	0	
06/1989	14	0	454	0	0	0	0	0	0	0	
07/1989	15	0	324	0	0	0	0	0	0	0	
1989/YTD	86	0	2554	0	0	0	0	0	0	0	
1989/CUM	5303	3809	65152	0	0	0	0	0	0	0	

OIL

Cum: 5303.

De: 16.3% n: .46.

(ACTUAL)

(PROJECTED)

Operator YATES DRLG CO

Lease - Well DOYAL No. 04

Zone QUEEN

Field CHAVES QUEEN GAS AREA SE

County/State CHAVES/NM

108

104

DEL

1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003

CACTUS QUEEN UNIT

10/09/89

** GROSS VALUES **

PAGE:

10

NUMBER: 10000020
 NAME: BALLAGHER STATE No. 01
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\FET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRUG CO
 ID NUMBER: 12S31E35D000N

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1984	0	0	0	0	0	0	0	0	0	0	
02/1984	0	0	0	0	0	0	0	0	0	0	
03/1984	0	0	0	0	0	0	0	0	0	0	
04/1984	0	0	0	0	0	0	0	0	0	0	
05/1984	0	0	0	0	0	0	0	0	0	0	
06/1984	0	0	0	0	0	0	0	0	0	0	
07/1984	0	0	0	0	0	0	0	0	0	0	
08/1984	0	0	0	0	0	0	0	0	0	0	
09/1984	0	0	0	0	0	0	0	0	0	0	
10/1984	0	0	0	0	0	0	0	0	0	0	
11/1984	781	947	750	0	0	0	0	0	0	0	
12/1984	1115	1351	775	0	0	0	0	0	0	0	
1984/YTD	1896	2298	1525	0	0	0	0	0	0	0	
1984/CUM	1896	2298	1525	0	0	0	0	0	0	0	
01/1985	914	1108	775	0	0	0	0	0	0	0	
02/1985	1080	1309	700	0	0	0	0	0	0	0	
03/1985	737	893	775	0	0	0	0	0	0	0	
04/1985	940	1139	750	0	0	0	0	0	0	0	
05/1985	1119	1356	775	0	0	0	0	0	0	0	
06/1985	1055	978	750	0	0	0	0	0	0	0	
07/1985	1100	1020	775	0	0	0	0	0	0	0	
08/1985	972	901	775	0	0	0	0	0	0	0	
09/1985	797	739	750	0	0	0	0	0	0	0	
10/1985	653	605	775	0	0	0	0	0	0	0	
11/1985	541	502	750	0	0	0	0	0	0	0	
12/1985	549	509	775	0	0	0	0	0	0	0	
1985/YTD	10457	11059	9125	0	0	0	0	0	0	0	
1985/CUM	12353	13357	10650	0	0	0	0	0	0	0	
01/1986	409	379	775	0	0	0	0	0	0	0	
02/1986	349	324	700	0	0	0	0	0	0	0	
03/1986	340	316	775	0	0	0	0	0	0	0	
04/1986	316	295	750	0	0	0	0	0	0	0	
05/1986	340	327	775	0	0	0	0	0	0	0	
06/1986	249	232	750	0	0	0	0	0	0	0	
07/1986	271	255	775	0	0	0	0	0	0	0	
08/1986	234	220	775	0	0	0	0	0	0	0	
09/1986	244	230	750	0	0	0	0	0	0	0	
10/1986	244	230	775	0	0	0	0	0	0	0	
11/1986	213	200	750	0	0	0	0	0	0	0	
12/1986	136	222	775	0	0	0	0	0	0	0	
1986/YTD	7455	3232	9125	0	0	0	0	0	0	0	
1986/CUM	19808	16589	19775	0	0	0	0	0	0	0	

10/09/89

** GROSS VALUES **

PAGE:

11

NUMBER: 10000020

RESERVOIR:QUEEN

NAME: GALLAGHER STATE No. 01

FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON

COUNTY/STATE: CHAVES/NM

OPERATOR: YATES DRUG CO

DATABASE NAME:D:\FET4DATA\

ID NUMBER:12831E35D000N

PERIOD	OIL	GAS	WATER	REMARKS						
MO/YEAR	BBLS	MCF	BBLS							

01/1987	178	184	775	0	0	0	0	0	0	0
02/1987	133	129	706	0	0	0	0	0	0	0
03/1987	147	140	775	0	0	0	0	0	0	0
04/1987	176	156	750	0	0	0	0	0	0	0
05/1987	177	165	775	0	0	0	0	0	0	0
06/1987	163	156	750	0	0	0	0	0	0	0
07/1987	141	135	775	0	0	0	0	0	0	0
08/1987	125	132	775	0	0	0	0	0	0	0
09/1987	143	132	750	0	0	0	0	0	0	0
10/1987	153	141	775	0	0	0	0	0	0	0
11/1987	136	127	750	0	0	0	0	0	0	0
12/1987	133	123	775	0	0	0	0	0	0	0

1987/YTD	1818	1734	9125	0	0	0	0	0	0	0
1987/CUM	17575	18323	28900	0	0	0	0	0	0	0

01/1988	169	100	775	0	0	0	0	0	0	0
02/1988	174	160	397	0	0	0	0	0	0	0
03/1988	168	155	142	0	0	0	0	0	0	0
04/1988	116	109	294	0	0	0	0	0	0	0
05/1988	130	120	343	0	0	0	0	0	0	0
06/1988	91	0	265	0	0	0	0	0	0	0
07/1988	95	0	311	0	0	0	0	0	0	0
08/1988	115	0	400	0	0	0	0	0	0	0
09/1988	93	0	252	0	0	0	0	0	0	0
10/1988	111	0	467	0	0	0	0	0	0	0
11/1988	86	0	323	0	0	0	0	0	0	0
12/1988	64	0	240	0	0	0	0	0	0	0

1988/YTD	1355	644	4214	0	0	0	0	0	0	0
1988/CUM	19031	18967	33114	0	0	0	0	0	0	0

01/1989	96	0	330	0	0	0	0	0	0	0
02/1989	53	0	217	0	0	0	0	0	0	0
03/1989	98	0	305	0	0	0	0	0	0	0
04/1989	80	0	270	0	0	0	0	0	0	0
05/1989	68	0	150	0	0	0	0	0	0	0
06/1989	68	0	257	0	0	0	0	0	0	0
07/1989	58	0	212	0	0	0	0	0	0	0

1989/YTD	515	0	1741	0	0	0	0	0	0	0
1989/CUM	19546	18967	34855	0	0	0	0	0	0	0

OIL

Cum: 19846.

Def: 30.3% n: .46.

(ACTUAL)

(PROJECTED)

Operator

YATES DRLG CO

Lease - Well

GALLAGHER STATE NO. 01

Zone

QUEEN

Field

CHAVES QUEEN GAS AREA SE

County/State

CHAVES/NM

1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003

CACTUS QUEEN UNIT

10/09/89

GROSS VALUES

PAGE:

5

NUMBER: 10000006
NAME: BARNER FEDERAL No. 07
COUNTY/STATE: CHAVES/NM
DATABASE NAME:D:\PET4DATA\

PERIOD MO/YEAR	DIL BBLs	GAS MCF	WATER BBLs							REMARKS
01/1984	0	0	0	0	0	0	0	0	0	
02/1984	0	0	0	0	0	0	0	0	0	
03/1984	0	0	0	0	0	0	0	0	0	
04/1984	0	0	0	0	0	0	0	0	0	
05/1984	0	0	0	0	0	0	0	0	0	
06/1984	0	0	0	0	0	0	0	0	0	
07/1984	0	0	0	0	0	0	0	0	0	
08/1984	0	0	0	0	0	0	0	0	0	
09/1984	0	0	0	0	0	0	0	0	0	
10/1984	0	0	0	0	0	0	0	0	0	
11/1984	2400	0	300	0	0	0	0	0	0	
12/1984	2558	0	300	0	0	0	0	0	0	
1984/YTD	4958	0	600	0	0	0	0	0	0	
1984/CUM	4958	0	600	0	0	0	0	0	0	
01/1985	1950	0	300	0	0	0	0	0	0	
02/1985	1307	0	271	0	0	0	0	0	0	
03/1985	1197	0	300	0	0	0	0	0	0	
04/1985	1046	0	290	0	0	0	0	0	0	
05/1985	932	0	300	0	0	0	0	0	0	
06/1985	942	0	290	0	0	0	0	0	0	
07/1985	982	0	300	0	0	0	0	0	0	
08/1985	706	0	300	0	0	0	0	0	0	
09/1985	803	0	290	0	0	0	0	0	0	
10/1985	731	0	300	0	0	0	0	0	0	
11/1985	581	0	90	0	0	0	0	0	0	
12/1985	363	0	93	0	0	0	0	0	0	
1985/YTD	11740	0	3124	0	0	0	0	0	0	
1985/CUM	16698	0	3724	0	0	0	0	0	0	
01/1986	456	0	93	0	0	0	0	0	0	
02/1986	379	0	84	0	0	0	0	0	0	
03/1986	393	0	93	0	0	0	0	0	0	
04/1986	340	0	90	0	0	0	0	0	0	
05/1986	320	127	93	0	0	0	0	0	0	
06/1986	277	110	90	0	0	0	0	0	0	
07/1986	219	111	93	0	0	0	0	0	0	
08/1986	257	102	93	0	0	0	0	0	0	
09/1986	259	103	90	0	0	0	0	0	0	
10/1986	202	80	93	0	0	0	0	0	0	
11/1986	141	95	90	0	0	0	0	0	0	
12/1986	126	91	93	0	0	0	0	0	0	
1986/YTD	3551	820	1095	0	0	0	0	0	0	
1986/CUM	20319	820	4819	0	0	0	0	0	0	

10/09/89

** GROSS VALUES **

PAGE:

6

NUMBER: 10000006
 NAME: GARNER FEDERAL No. 07
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PET4DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRLG CO
 ID NUMBER: 12531E27000QN

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1987	205	81	93	0	0	0	0	0	0	0	
02/1987	196	79	84	0	0	0	0	0	0	0	
03/1987	191	76	93	0	0	0	0	0	0	0	
04/1987	126	50	90	0	0	0	0	0	0	0	
05/1987	200	70	93	0	0	0	0	0	0	0	
06/1987	144	50	90	0	0	0	0	0	0	0	
07/1987	107	37	93	0	0	0	0	0	0	0	
08/1987	161	56	93	0	0	0	0	0	0	0	
09/1987	111	39	90	0	0	0	0	0	0	0	
10/1987	143	51	93	0	0	0	0	0	0	0	
11/1987	127	44	90	0	0	0	0	0	0	0	
12/1987	124	43	93	0	0	0	0	0	0	0	
1987/YTD	1837	676	1095	0	0	0	0	0	0	0	
1987/CUM	22136	1496	5914	0	0	0	0	0	0	0	
01/1988	119	42	93	0	0	0	0	0	0	0	
02/1988	136	48	68	0	0	0	0	0	0	0	
03/1988	107	37	69	0	0	0	0	0	0	0	
04/1988	67	23	56	0	0	0	0	0	0	0	
05/1988	65	22	61	0	0	0	0	0	0	0	
06/1988	91	188	70	0	0	0	0	0	0	0	
07/1988	137	284	71	0	0	0	0	0	0	0	
08/1988	172	356	60	0	0	0	0	0	0	0	
09/1988	174	360	94	0	0	0	0	0	0	0	
10/1988	116	240	42	0	0	0	0	0	0	0	
11/1988	72	149	50	0	0	0	0	0	0	0	
12/1988	30	62	51	0	0	0	0	0	0	0	
1988/YTD	1284	1811	785	0	0	0	0	0	0	0	
1988/CUM	23450	3307	6699	0	0	0	0	0	0	0	
01/1989	39	81	63	0	0	0	0	0	0	0	
02/1989	17	35	50	0	0	0	0	0	0	0	
03/1989	20	41	78	0	0	0	0	0	0	0	
04/1989	105	87	43	0	0	0	0	0	0	0	
05/1989	96	79	39	0	0	0	0	0	0	0	
06/1989	72	60	93	0	0	0	0	0	0	0	
07/1989	30	25	44	0	0	0	0	0	0	0	
1989/YTD	379	408	410	0	0	0	0	0	0	0	
1989/CUM	23829	3715	7109	0	0	0	0	0	0	0	

OIL

Cum: 23829.

Det: 34.9% n: .46.

(ACTUAL)

(PROJECTED)

Operator

YATES DRLG CO

Lease - Well

GARNER FEDERAL No. 07

Zone

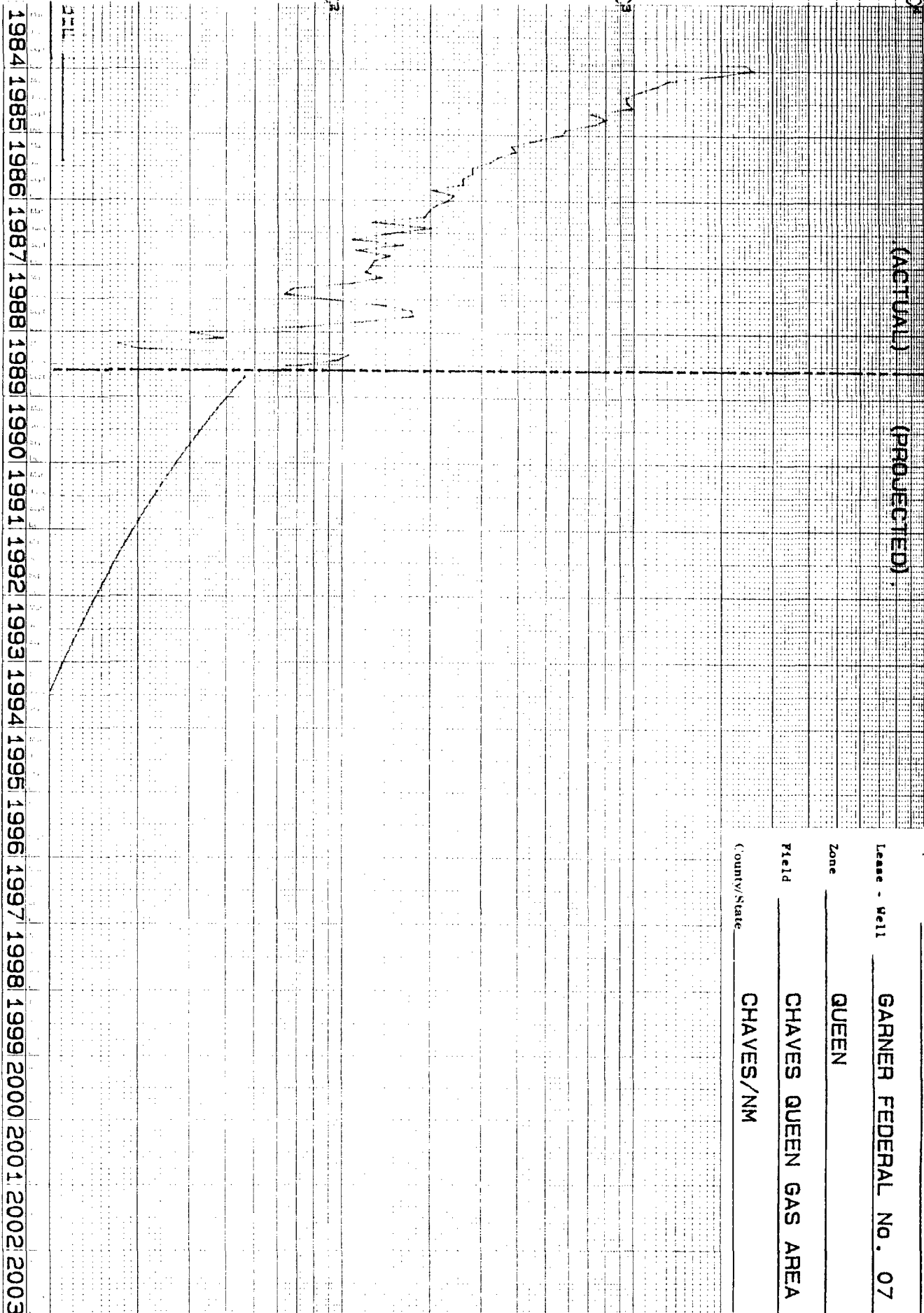
QUEEN

Field

CHAVES QUEEN GAS AREA SE

County/State

CHAVES/NM



CACTUS QUEEN UNIT

10/09/89

** GROSS VALUES **

PAGE:

2

NUMBER: 10000003
 NAME: GARNER FEDERAL No. 09
 COUNTY/STATE: CHAVES/NM
 DATABASE NAME: D:\PE140DATA\

RESERVOIR: QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) QN
 OPERATOR: YATES DRUG CO
 ID NUMBER: 12S31E27J000N

PERIOD MO/YEAR	GIL BBLs	GAS MCF	WATER BBLs							REMARKS
01/1984	0	0	0	0	0	0	0	0	0	
02/1984	0	0	0	0	0	0	0	0	0	
03/1984	0	0	0	0	0	0	0	0	0	
04/1984	0	0	0	0	0	0	0	0	0	
05/1984	0	0	0	0	0	0	0	0	0	
06/1984	0	0	0	0	0	0	0	0	0	
07/1984	0	0	0	0	0	0	0	0	0	
08/1984	0	0	0	0	0	0	0	0	0	
09/1984	0	0	0	0	0	0	0	0	0	
10/1984	0	0	0	0	0	0	0	0	0	
11/1984	0	0	0	0	0	0	0	0	0	
12/1984	2559	0	320	0	0	0	0	0	0	
1984/YTD	2559	0	320	0	0	0	0	0	0	
1984/CUM	2559	0	320	0	0	0	0	0	0	
01/1985	1950	0	320	0	0	0	0	0	0	
02/1985	1308	0	289	0	0	0	0	0	0	
03/1985	1198	0	320	0	0	0	0	0	0	
04/1985	1047	0	310	0	0	0	0	0	0	
05/1985	932	0	320	0	0	0	0	0	0	
06/1985	942	0	310	0	0	0	0	0	0	
07/1985	982	0	320	0	0	0	0	0	0	
08/1985	705	0	320	0	0	0	0	0	0	
09/1985	893	0	310	0	0	0	0	0	0	
10/1985	730	0	320	0	0	0	0	0	0	
11/1985	580	0	90	0	0	0	0	0	0	
12/1985	563	0	93	0	0	0	0	0	0	
1985/YTD	11740	0	3322	0	0	0	0	0	0	
1985/CUM	14299	0	3642	0	0	0	0	0	0	
01/1986	455	0	93	0	0	0	0	0	0	
02/1986	379	0	84	0	0	0	0	0	0	
03/1986	393	0	93	0	0	0	0	0	0	
04/1986	339	0	90	0	0	0	0	0	0	
05/1986	320	127	93	0	0	0	0	0	0	
06/1986	277	110	90	0	0	0	0	0	0	
07/1986	278	110	93	0	0	0	0	0	0	
08/1986	256	102	93	0	0	0	0	0	0	
09/1986	259	103	90	0	0	0	0	0	0	
10/1986	203	81	93	0	0	0	0	0	0	
11/1986	342	96	90	0	0	0	0	0	0	
12/1986	229	91	93	0	0	0	0	0	0	
1986/YTD	3630	820	1095	0	0	0	0	0	0	
1986/CUM	17929	820	4737	0	0	0	0	0	0	

10/09/89

** GROSS VALUES **

PAGE:

3

NUMBER: 10000003
 NAME: BARNER FEDERAL NO. 09
 COUNTY/STATE: CHAVES,NM
 DATABASE NAME:D:\PET4DATA\

RESERVOIR:QUEEN
 FIELD: CHAVES QUEEN GAS AREA SE (ASSO.) ON
 OPERATOR: YATES DRLG CO
 ID NUMBER:12631E27J000N

PERIOD MO/YEAR	OIL BBLB	GAS MCF	WATER BBLB								REMARKS
01/1987	208	82	93	0	0	0	0	0	0	0	
02/1987	197	78	84	0	0	0	0	0	0	0	
03/1987	192	76	93	0	0	0	0	0	0	0	
04/1987	126	50	90	0	0	0	0	0	0	0	
05/1987	200	70	93	0	0	0	0	0	0	0	
06/1987	140	51	90	0	0	0	0	0	0	0	
07/1987	101	37	93	0	0	0	0	0	0	0	
08/1987	161	56	93	0	0	0	0	0	0	0	
09/1987	111	39	90	0	0	0	0	0	0	0	
10/1987	145	51	93	0	0	0	0	0	0	0	
11/1987	137	44	90	0	0	0	0	0	0	0	
12/1987	103	43	93	0	0	0	0	0	0	0	
1987/YTD	1639	677	1095	0	0	0	0	0	0	0	
1987/CUM	19768	1497	5832	0	0	0	0	0	0	0	
01/1988	119	42	93	0	0	0	0	0	0	0	
02/1988	136	48	67	0	0	0	0	0	0	0	
03/1988	106	37	69	0	0	0	0	0	0	0	
04/1988	66	23	56	0	0	0	0	0	0	0	
05/1988	63	22	61	0	0	0	0	0	0	0	
06/1988	90	186	70	0	0	0	0	0	0	0	
07/1988	137	284	71	0	0	0	0	0	0	0	
08/1988	171	354	60	0	0	0	0	0	0	0	
09/1988	74	153	94	0	0	0	0	0	0	0	
10/1988	50	104	42	0	0	0	0	0	0	0	
11/1988	32	66	50	0	0	0	0	0	0	0	
12/1988	14	29	51	0	0	0	0	0	0	0	
1988/YTD	1058	1348	784	0	0	0	0	0	0	0	
1988/CUM	20826	2845	6616	0	0	0	0	0	0	0	
01/1989	18	37	62	0	0	0	0	0	0	0	
02/1989	9	19	50	0	0	0	0	0	0	0	
03/1989	11	23	77	0	0	0	0	0	0	0	
04/1989	59	0	43	0	0	0	0	0	0	0	
05/1989	55	0	39	0	0	0	0	0	0	0	
06/1989	42	0	93	0	0	0	0	0	0	0	
07/1989	19	0	44	0	0	0	0	0	0	0	
1989/YTD	213	79	408	0	0	0	0	0	0	0	
1989/CUM	21039	2924	7024	0	0	0	0	0	0	0	

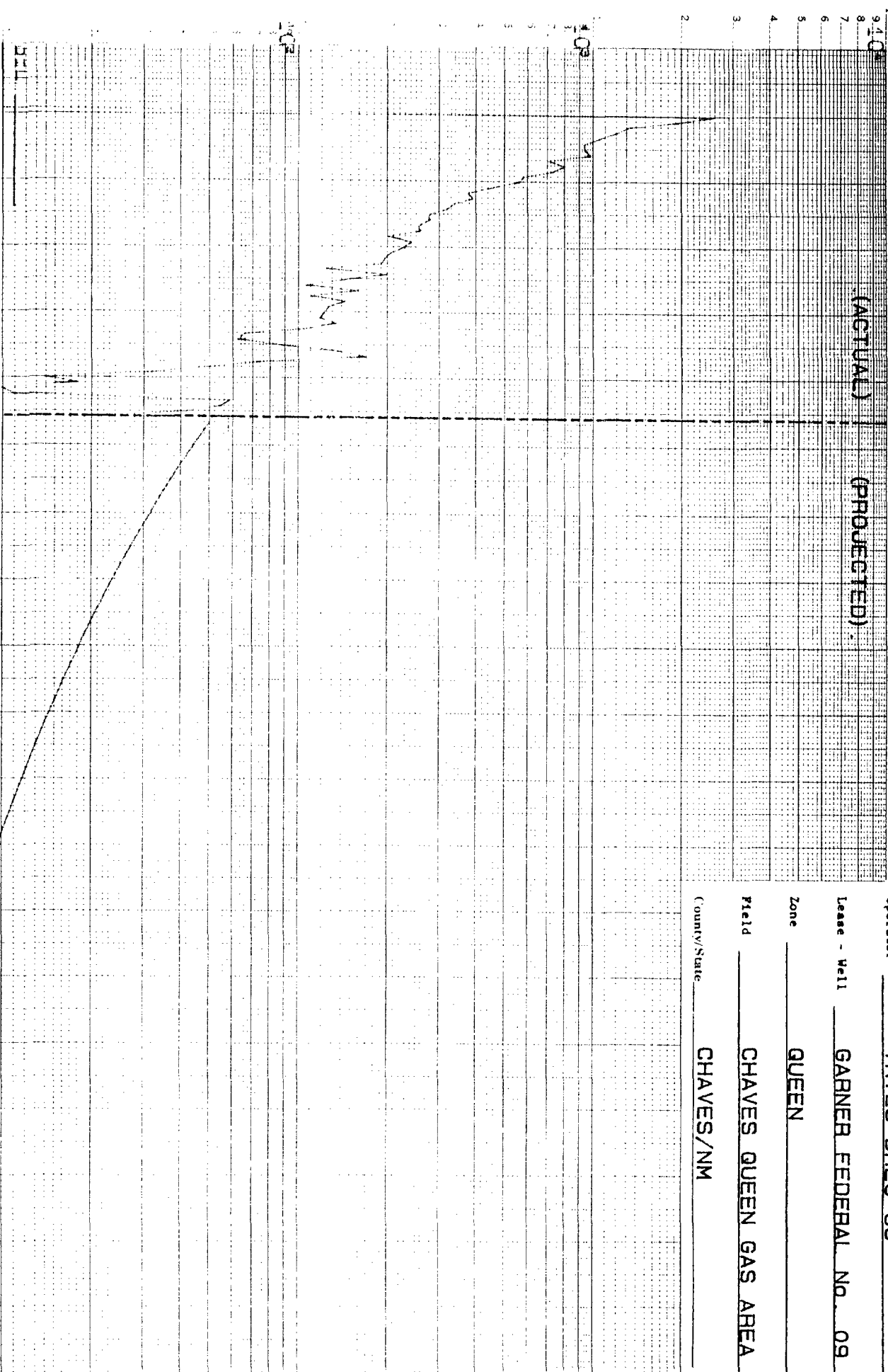
Del: 30% n: .46

(PROJECTED)

Lease - Well GARNER FEDERAL No. 09

Field CHAVES QUEEN GAS AREA SE

County/State CHAVES/NM



CACTUS QUEEN UNIT

NUMBER: 10000082
 NAME: CACTUS QUEEN UNIT
 COUNTY/STATE: /
 DATABASE NAME:D:\PET4DATA\

RESERVOIR:
 FIELD:
 OPERATOR:
 ID NUMBER:

PERIOD MO/YEAR	OIL BBLs	GAS MCF	WATER BBLs								REMARKS
01/1984	0	0	0	0	0	0	0	0	0	0	
02/1984	0	0	0	0	0	0	0	0	0	0	
03/1984	0	0	0	0	0	0	0	0	0	0	
04/1984	0	0	0	0	0	0	0	0	0	0	
05/1984	0	0	0	0	0	0	0	0	0	0	
06/1984	0	0	0	0	0	0	0	0	0	0	
07/1984	0	0	0	0	0	0	0	0	0	0	
08/1984	741	0	0	0	0	0	0	0	0	0	
09/1984	2574	0	300	0	0	0	0	0	0	0	
10/1984	4182	2130	310	0	0	0	0	0	0	0	
11/1984	7354	1889	1350	0	0	0	0	0	0	0	
12/1984	12391	4005	1705	0	0	0	0	0	0	0	
1984/YTD	27352	8024	3665	0	0	0	0	0	0	0	
1984/CUM	27352	8024	3665	0	0	0	0	0	0	0	
01/1985	10229	3725	3255	0	0	0	0	0	0	0	
02/1985	7985	3448	2940	0	0	0	0	0	0	0	
03/1985	8458	3550	3720	0	0	0	0	0	0	0	
04/1985	6831	3040	3500	0	0	0	0	0	0	0	
05/1985	7481	3525	3720	0	0	0	0	0	0	0	
06/1985	7248	3083	3600	0	0	0	0	0	0	0	
07/1985	8754	2923	3812	0	0	0	0	0	0	0	
08/1985	7438	3394	3852	0	0	0	0	0	0	0	
09/1985	9919	3082	3706	0	0	0	0	0	0	0	
10/1985	8164	2640	3942	0	0	0	0	0	0	0	
11/1985	5725	2390	3518	0	0	0	0	0	0	0	
12/1985	5705	1980	3557	0	0	0	0	0	0	0	
1985/YTD	94957	35751	43262	0	0	0	0	0	0	0	
1985/CUM	124309	44785	46927	0	0	0	0	0	0	0	
01/1986	5074	1771	3596	0	0	0	0	0	0	0	
02/1986	3935	1430	3316	0	0	0	0	0	0	0	
03/1986	4282	1588	3644	0	0	0	0	0	0	0	
04/1986	3595	1275	3559	0	0	0	0	0	0	0	
05/1986	3226	1592	3571	0	0	0	0	0	0	0	
06/1986	2865	1275	3555	0	0	0	0	0	0	0	
07/1986	2933	1319	3689	0	0	0	0	0	0	0	
08/1986	2552	1155	3516	0	0	0	0	0	0	0	
09/1986	2163	1090	3992	0	0	0	0	0	0	0	
10/1986	2441	1280	3601	0	0	0	0	0	0	0	
11/1986	2240	1172	3520	0	0	0	0	0	0	0	
12/1986	2115	1121	3527	0	0	0	0	0	0	0	
1986/YTD	37371	15078	43395	0	0	0	0	0	0	0	
1986/CUM	161682	61063	90323	0	0	0	0	0	0	0	

PAGE: 2

RESERVOIR:
FIELD:
OPERATOR:
ID NUMBER:

PERIOD	OIL BBLs	GAS MCF	WATER BBLs	REMARKS						
01/1987	1903	1057	3577	0	0	0	0	0	0	0
02/1987	1694	926	3275	0	0	0	0	0	0	0
03/1987	1605	993	3631	0	0	0	0	0	0	0
04/1987	1484	670	3429	0	0	0	0	0	0	0
05/1987	1782	999	3583	0	0	0	0	0	0	0
06/1987	1393	822	3462	0	0	0	0	0	0	0
07/1987	1309	808	3593	0	0	0	0	0	0	0
08/1987	1387	842	3555	0	0	0	0	0	0	0
09/1987	1187	751	3472	0	0	0	0	0	0	0
10/1987	1250	704	3566	0	0	0	0	0	0	0
11/1987	1141	740	3468	0	0	0	0	0	0	0
12/1987	1071	723	3316	0	0	0	0	0	0	0
1987/YTD	17390	10317	41927	0	0	0	0	0	0	0
1987/CUM	179072	71380	132250	0	0	0	0	0	0	0
01/1988	1090	700	3337	0	0	0	0	0	0	0
02/1988	1061	722	1727	0	0	0	0	0	0	0
03/1988	1058	700	845	0	0	0	0	0	0	0
04/1988	887	630	1278	0	0	0	0	0	0	0
05/1988	925	669	1480	0	0	0	0	0	0	0
06/1988	832	1416	1297	0	0	0	0	0	0	0
07/1988	889	1550	1464	0	0	0	0	0	0	0
08/1988	977	1732	1352	0	0	0	0	0	0	0
09/1988	805	1416	1343	0	0	0	0	0	0	0
10/1988	800	1384	1819	0	0	0	0	0	0	0
11/1988	634	1110	1350	0	0	0	0	0	0	0
12/1988	607	687	1100	0	0	0	0	0	0	0
1988/YTD	10569	12701	18392	0	0	0	0	0	0	0
1988/CUM	189641	84081	150642	0	0	0	0	0	0	0
01/1989	621	730	851	0	0	0	0	0	0	0
02/1989	624	955	793	0	0	0	0	0	0	0
03/1989	479	572	1416	0	0	0	0	0	0	0
04/1989	639	404	1234	0	0	0	0	0	0	0
05/1989	648	350	684	0	0	0	0	0	0	0
06/1989	603	361	1186	0	0	0	0	0	0	0
07/1989	569	277	847	0	0	0	0	0	0	0
1989/YTD	4183	3679	7011	0	0	0	0	0	0	0
1989/CUM	193824	87760	157653	0	0	0	0	0	0	0

OIL

Cum: 193824.

Det: 29.9% N: .46

(ACTUAL)

(PROJECTED)

Operator

Lease - Well

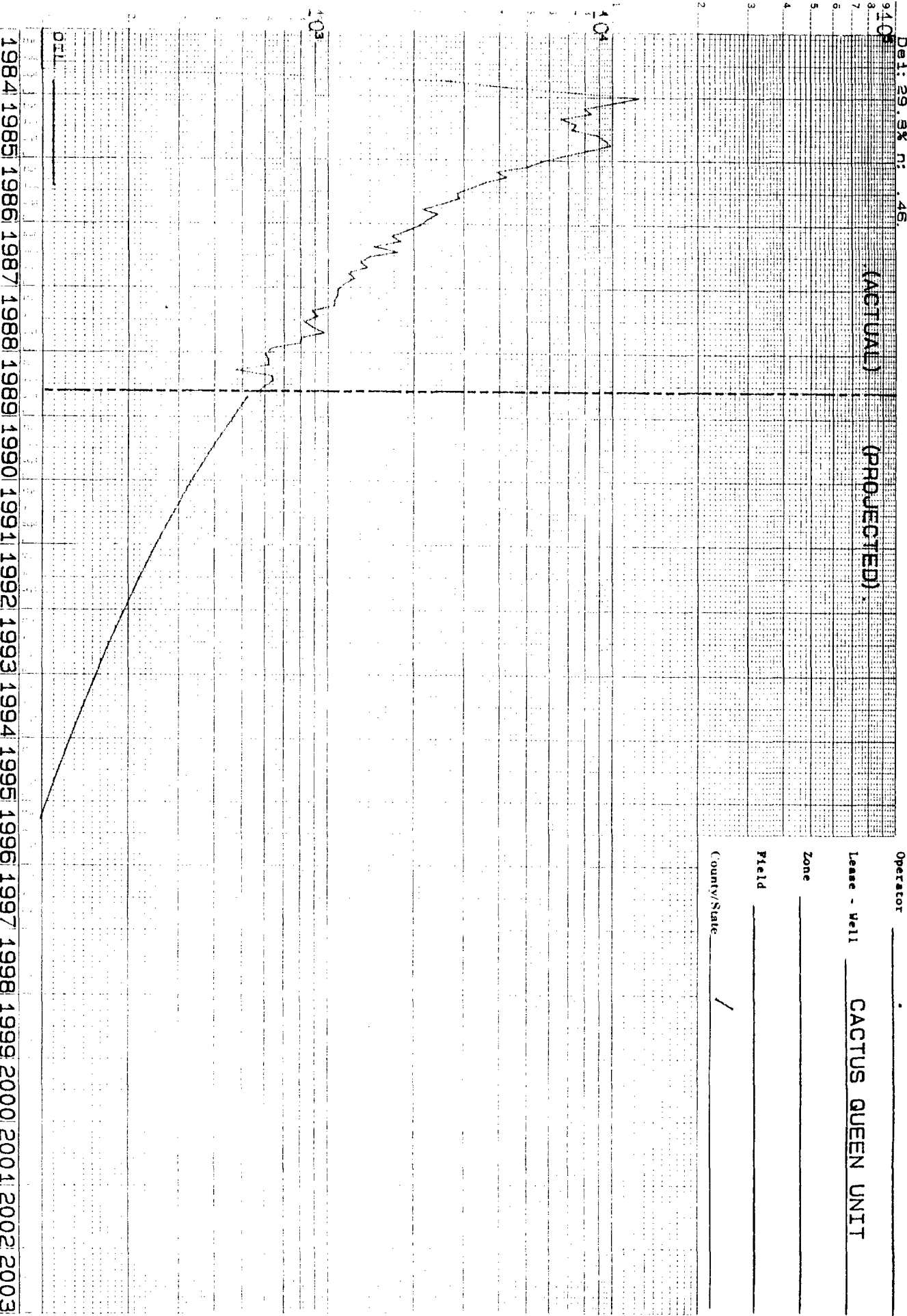
CACTUS QUEEN UNIT

Zone

Field

County/State

/

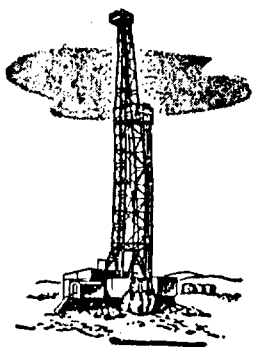


CACTUS QUEEN UNIT

Case 9809 &
9810

YATES DRILLING COMPANY
PROPOSED CACTUS QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

FRESH WATER WELL LOCATIONS



YATES DRILLING COMPANY

105 SOUTH FOURTH STREET — (505) 746-9889

FAX (505) 746-6480

TELEX 508891 (YPCART)

ARTESIA, NEW MEXICO 88210

May 31, 1989

PEYTON YATES
PRESIDENT

S. P. YATES
VICE PRESIDENT

RANDY G. PATTERSON
SECRETARY

DENNIS G. KINSEY
TREASURER

New Mexico State Engineer
District 2 Office
P.O. Box 1717
Roswell, New Mexico 88202

Attention: Glen Brim, District Supervisor 

Gentlemen:

Yates Drilling Company is proposing to waterflood the Queen formation underlying portions of Township 12 South, Range 31 East and Township 13 South, Range 31 East, Chaves County, New Mexico.

To insure the protection of fresh water aquifers in this area we would like to obtain the location, depth and geological name of the producing formation for any water wells located in either described township. Additionally, the identification of any commercial water wells in the area would be helpful.

Any information that your office can provide concerning this matter will be greatly appreciated.

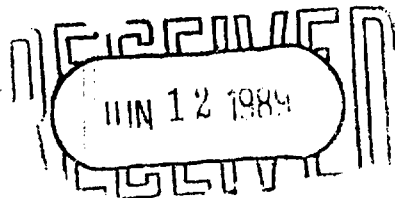
Sincerely yours,

YATES DRILLING COMPANY



Tobin L. Rhodes
Petroleum Engineer

'89 JUN 1 AM 8 35
STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO



June 9, 1989

Yates Drilling Company

ATTN: Tobin L. Rhodes, Petroleum Engineer

Enclosed are well locations and some information pertaining to these wells. They were drilled and finished in the Ogallala Formation (TO). Record of other wells finished deeper on other water formations were found north of Township 12 South in Township 11 South, Range 31 East. These wells are finished in the Triassic Formation (TRC), depth of wells are between +
- 200 feet to 300 feet.

Johnny R. Hernandez
Basin Supervisor

Section 24 Township 12 South Range 31 East

L-4993	NE $\frac{1}{4}$ SW $\frac{1}{4}$	Dom.	T.D. 146	5 $\frac{1}{2}$ " casing - Shallow
L-6649	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Dom & Stk	T.D. 160'	4 $\frac{1}{2}$ " casing - Shallow

Section 26 Township 12 South Range 31 East

L-2117	NW $\frac{1}{4}$ SW $\frac{1}{4}$	Irr.		
L-6746	SW $\frac{1}{4}$ NW $\frac{1}{4}$	Dom. & Stk	T.D. 166'	Not cased - Shallow
L-6749	SW $\frac{1}{4}$ SE $\frac{1}{4}$	Comm. & DOM & STK	T.D. 198'	6" casing - Shallow
*L-9566	SW $\frac{1}{4}$ SE $\frac{1}{4}$	COM, Oil & Gas	Same	

*Well L-9566 is stock well L-6749** Comm.

Section 27 Township 12 S Range 31 E.

L-6650	SE $\frac{1}{4}$ NE $\frac{1}{4}$	Dom & Stk	T.D. 160'	4 $\frac{1}{2}$ " casing - Shallow
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Section 35 Township 12 South Range 31 East

L-2932	SE $\frac{1}{4}$	OWD		
L-4170	NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	Dom. —	T.D. 55'	Casing 8" Shallow
L-4296	NW $\frac{1}{4}$ NW $\frac{1}{4}$	WF —	Cancelled	↑
L-4296-X	SW $\frac{1}{4}$ SW $\frac{1}{4}$	WF —	Cancelled	NOWELLS
L-4296-X-2	NE $\frac{1}{4}$ NE $\frac{1}{4}$	WF —	Cancelled	↓
L-4296-X-3	SE $\frac{1}{4}$ SE $\frac{1}{4}$	WF —	Cancelled	

Section 23

Township 13 South Range 31 East

L-3914-X-10	SE $\frac{1}{4}$ SE $\frac{1}{4}$	Ind.
L-3914-X-11	SE $\frac{1}{4}$ NW $\frac{1}{4}$	Ind.
L-3914-X-12	NE $\frac{1}{4}$ NE $\frac{1}{4}$	Ind.
L-3914-X-13	SE $\frac{1}{4}$ SW $\frac{1}{4}$	Ind.
L-3914-X-14	NW $\frac{1}{4}$ SE $\frac{1}{4}$	Ind.

↑
WELLS NOT DRILLED
↓

Section 24

Township 13 South Range 31 East

L-3914	NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$	Ind.
L-3914-X	NE $\frac{1}{4}$ SW $\frac{1}{4}$	Ind.
L-3914-X-2	NE $\frac{1}{4}$ NW $\frac{1}{4}$	Ind.
L-3914-X-3	SW $\frac{1}{4}$ SE $\frac{1}{4}$	Ind.
L-3914-X-4	SE $\frac{1}{4}$ NE $\frac{1}{4}$	Ind.
L-3914-X-5	NE $\frac{1}{4}$ SE $\frac{1}{4}$	Ind.
L-3914-X-6	NW $\frac{1}{4}$ NE $\frac{1}{4}$	Ind.
L-3914-X-7	NE $\frac{1}{4}$ NE $\frac{1}{4}$	Ind.
L-3914-X-8	SW $\frac{1}{4}$ NW $\frac{1}{4}$	Ind.
L-3914-X-9	SE $\frac{1}{4}$ NW $\frac{1}{4}$	Ind.

T.D. 196' 8 $\frac{5}{8}$ " casing - Shallow

↑
WELLS NOT DRILLED
↓

Section 35

Township 13 South Range 31 East

L-2849	SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$	Dom.
--------	--	------

No well record info.

Section 1

Township 13 South Range 31 East

-3460
-3461
-3837
-3837-X

SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$

WF

WF

Com. & Stock

Com. & Stock

- T.D. 19- ' 8 $\frac{5}{8}$ " casing - Shallow
- T.D. 220' 8 $\frac{5}{8}$ " casing - Shallow
- Rptd TD 165' 6" casing - Shallow
- Rptd TD. 190' 7" casing - Shallow

Section 2

Township 13 South Range 31 East

-3806
-3833
-3834
-3835
-4295

SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$
NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$
SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$
SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$
SE $\frac{1}{4}$ NE $\frac{1}{4}$

Stock

Com.

Dec.

Dec.

WF

NO well record info.

with drawn NO well

- Rptd - TD 165' 6 $\frac{7}{8}$ " casing - Shallow
- Rptd - TD 165' 6 $\frac{7}{8}$ " casing - Shallow

-3914

NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ SRD - T.D. 196' 8 $\frac{5}{8}$ " casing - Shallow

-2745

NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ SRD - T.D. 216' 6 $\frac{7}{8}$ " casing - Shallow

Section 12

Township 13 South Range 31 East

-2934

NE $\frac{1}{4}$

OWD

NO well record info.

-3460

NE $\frac{1}{4}$ NE $\frac{1}{4}$ SRD - T.D. 217' - 8 $\frac{5}{8}$ " casing - Shallow

Section 13

Township 13 South Range 31 East

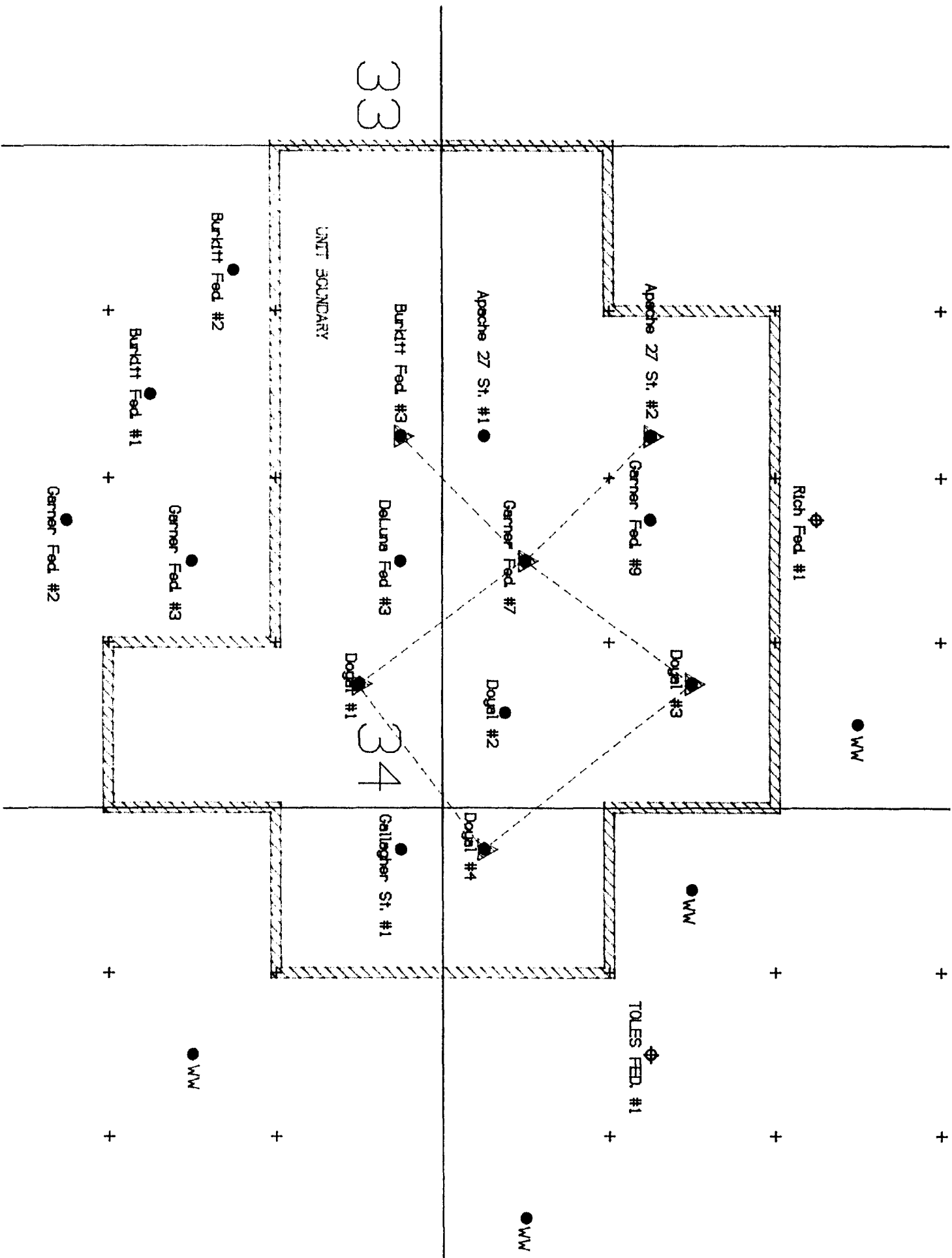
-2933

NE $\frac{1}{4}$

OWD

NO well record info.

SEC	TWN	RNG	LFR	UNIT	QTR	TD	TYPE	#
24	1128	131E	IK	1?	1	148	DOM.	1L4993
24	1128	131E	IP	1?	1	160	DOM.	1L6649
26	1128	131E	IE	1?	1	156	DOM. & STK	1L6746
✓26	1128	131E	IL	1?	1?		IRR.	1L2117
✓26	1128	131E	IO	1?	1	198	COM. (OIL & GAS)	1L9566
✓26	1128	131E	IO	1?	1	198	COM. DOM. & STK	1L6749
✓27	1128	131E	IH	1?	1	160	DOM. & STK	1L6650
✓35	1128	131E	IF	INW	1	55	DOM.	1L4170
✓35	1128	131E	IJOF	1?	1?			1L2932
1	1138	131E	IK	ISE	1	190	WF	1L3460
1	1138	131E	IP	ISE	1	220	WF	1L3461
1	1138	131E	IM	ISW	1	190	COM. & STK	1L3837X
1	1138	131E	IM	ISW	1	165	COM. & STK	1L3837
2	1138	131E	IH	ISW	1	165	DEC.	1L3834
2	1138	131E	IH	1?	1?		WF	1L4295
2	1138	131E	IH	INE	1	196	SR0	1L3914
2	1138	131E	IH	ISW	1	165	DEC.	1L3835
2	1138	131E	IP	ISE	1?		1?	1L3806
2	1138	131E	II	INE	1	216	SR0	1L2745
12	1138	131E	IA	1?	1	217	SR0	1L3460
13	1138	131E	IABCD	1?	1?		IOWD	1L2933
24	1138	131E	IH	INE	1	196	IIND.	1L3914
35	1138	131E	IF	ISW	1?		DOH.	1L2849



PERMIAN

Treating Chemicals, Inc.

P. O. BOX 728
LOVINGTON, NM 88260
PHONE (505) 396-5674

WATER ANALYSIS REPORT

Company Yates Drilling Date Sampled 1-22-88
Field Caprock County Chavez
Lease Graham Water Station State NM
Well _____ Formation _____
Type of Water Fresh Water, B/D _____
Sampling Point Water Tanks Sampled By Blackwell

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l
Sodium, Na+(Calc)	230	10
Calcium, Ca++	120	6
Magnesium, Mg++	24	2
Barium, Ba++	neg	-
Iron, Fe (Total)		

OTHER PROPERTIES

pH 8.2
Specific Gravity 1.000
H₂S neg
Total Dissolved Solids 1144
Total Hardness 400

ANIONS

Chloride, Cl-	350	35.5
Sulfate, So ₄ =	120	3
Carbonate, Co ₃ =	0	0
Bicarbonate, HCo ₃ -	300	5

Remarks and Recommendations _____

PERMIAN

Treating Chemicals, Inc.

P. O. BOX 728
LOVINGTON, N.M. 88260
PHONE (505) 396-5674

WATER ANALYSIS REPORT

Company Yates Drilling Date Sampled 1-22-88
Field Caprock County Chavez
Lease Graham Water well (fresh) State NM
Well North of Lease Formation Blackwell
Type of Water Fresh Water, B/D Blackwell
Sampling Point Well head Sampled By

DISSOLVED SOLIDS

CATIONS

	mg/l	meq/l
Sodium, Na+(Calc)	115	5
Calcium, Ca++	120	6
Magnesium, Mg++	15	1
Barium, Ba++	Neg	68.7
Iron, Fe (Total)		

OTHER PROPERTIES

pH 8.3
Specific Gravity 1.000
H₂S Neg
Total Dissolved Solids 817
Total Hardness 360

ANIONS

	mg/l	meq/l
Chloride, Cl-	200	6
Sulfate, So ₄ =	55	1
Carbonate, Co ₃ =	0	0
Bicarbonate, HCo ₃ -	312	5

Remarks and Recommendations

ERMIAN

ating Chemicals, Inc.

P. O. BOX 728
LOVINGTON, N.M. 88260
PHONE (505) 396-5674

WATER ANALYSIS REPORT

Company Yates Drilling Report Date Sampled 1-22-88
Field Caprock County Lea
Lease Williams Ranch State NM
Well Williams Fresh Water Formation _____
Type of Water Fresh Water Water, B/D _____
Sampling Point Well head Sampled By Blackwell

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l	OTHER PROPERTIES
Sodium, Na+(Calc)	<u>70</u> ÷ 23	<u>3.0</u>	pH <u>8.2</u>
Calcium, Ca++	<u>80</u> ÷ 20	<u>4.0</u>	Specific Gravity <u>1.000</u>
Magnesium, Mg++	<u>20</u> ÷ 12.2	<u>1.6</u>	H ₂ S <u>Neg</u>
Barium, Ba++	<u>Neg</u> ÷ 68.7		Total Dissolved Solids <u>602</u>
Iron, Fe (Total)			Total Hardness <u>271</u>

ANIONS

Chloride, Cl-	<u>100</u> ÷ 35.5	<u>2.8</u>
Sulfate, So ₄ =	<u>40</u> ÷ 48	<u>0.8</u>
Carbonate, Co ₃ =	<u>0</u> ÷ 30	<u>0</u>
bicarbonate, HCo ₃ -	<u>292</u> ÷ 61	<u>4.8</u>

emarks and Recommendations _____

PERMIAN

Treating Chemicals, Inc.

P. O. BOX 728
LOVINGTON, N.M. 8
PHONE (505) 396-

WATER ANALYSIS REPORT

Company	Yates Drilling	Date Sampled	1-22-88
Field	Caprock	County	Lea
Lease	Gallagher	State	NM
Well	1	Formation	Queens
Type of Water	Produced	Water, B/D	
Sampling Point	Treater	Sampled By	Blackwell

DISSOLVED SOLIDS

CATIONS

	mg/l	meq/l
Sodium, Na+(Calc)	98100	23 4265
Calcium, Ca++	3750	20 188
Magnesium, Mg++	12900	12.2 1057
Barium, Ba++	neg	68.7
Iron, Fe (Total)		

OTHER PROPERTIES

pH	5.9
Specific Gravity	1.200
H ₂ S	Neg
Total Dissolved Solids	314,240
Total Hardness	62,800

ANIONS

Chloride, Cl-	198000	35.5	5577
Sulfate, So ₄ =	1350	48	28
Carbonate, Co ₃ =	0	30	0
Bicarbonate, HCo ₃ -	140	61	2.3

Remarks and Recommendations

PERMIAN

Treating Chemicals, Inc.

P.O. BOX 728
LOVINGTON, N.M. 88
PHONE (505) 396-5

WATER ANALYSIS REPORT

Company	Yates Drilling	Date Sampled	1-22-88
Field	Caprock	County	Lea
Lease	Doyle	State	NM
Well	12 & 4	Formation	Queens
Type of Water	Produced	Water, B/D	
Sampling Point	Treater	Sampled By	Blackwell

DISSOLVED SOLIDS

<u>CATIONS</u>	mg/l	meq/l
Sodium, Na+(Calc)	97900	÷ 23 4257
Calcium, Ca++	3800	÷ 20 190
Magnesium, Mg++	13300	÷ 12.2 1090
Barium, Ba++	0	÷ 68.7
Iron, Fe (Total)	58	

OTHER PROPERTIES

pH	5.7
Specific Gravity	1.200
H ₂ S	neg.
Total Dissolved Solids	312,598
Total Hardness	64,900

ANIONS

Chloride, Cl-	196,000	÷ 35.5	5521
Sulfate, So ₄ =	1400	÷ 48	29
Carbonate, Co ₃ =	0	÷ 30	0
Bicarbonate, HCo ₃ -	140	÷ 61	2.3

Remarks and Recommendations

PERMIAN

Treating Chemicals, Inc.

P. O. BOX 728
LOVINGTON, NM 88263
PHONE (505) 396-5674

WATER ANALYSIS REPORT

Company Yates Drilling Date Sampled 1-22-88
Field Caprock County Lea
Lease Burkett State NM
Well _____ Formation Queens
Type of Water Produced Water, B/D _____
Sampling Point Treater Sampled By Blackwell

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l
Sodium, Na+(Calc)	98000	4261
Calcium, Ca++	4100	205
Magnesium, Mg++	12800	1049
Barium, Ba++	Neg	68.7
Iron, Fe (Total)		

OTHER PROPERTIES

pH 5.9
Specific Gravity 1.200
H₂S Neg.
Total Dissolved Solids 313,220
Total Hardness 6300

ANIONS

Chloride, Cl-	197,000	5549
Sulfate, So ₄ =	1200	25
Carbonate, Co ₃ =	0	30
Bicarbonate, HCo ₃ -	120	61

Remarks and Recommendations _____

Coating Chemicals, Inc.

P.O. BOX 728
DALLAS, TEXAS 75263
PHONE 408/394-5674

Journal of Management Studies, 19(1), 67-80.

Chronic inflammation

ERMIAN

Coating Chemicals, Inc.

P.C. 604726

FORM 3 (Rev. 11-88) 28280

PHONE 303-336-5674

WATER ANALYSIS REPORT

Company Yates Drilling

Field

Lease Garner

Well 7

Type of Water Produced

Sampling Point

DISSOLVED SOLIDS

CATIONS

Sodium, Na 105,000

Calcium, Ca 4,750

Magnesium, Mg 11,900

Barium, Ba

Iron, Fe

ANIONS

Chloride, Cl- 204,000

Sulfate, SO4 1,100

Carbonate, CO3 0

Bicarbonate, HCO3 205

Chloride and Sulfate Conditions

Date Sampled 1-22-88

Location Lea

Time NM

Location on Queens

Water, B/D

Sampled by Blackwell

OTHER PROPERTIES

pH 5.8

Specific Gravity 1.200

H2S Neg

Total Dissolved

Solids 326,955

Total Hardness

60,700

5746

23

3.4