GEOTHERMAL OPERATIONS

GEOTHERMAL DISTRICT BOUNDARIES AND OFFICES of the Division of Oil, Gas, and Geothermal Resources



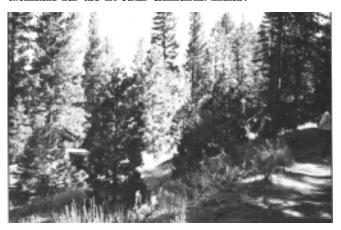
SUMMARY OF GEOTHERMAL OPERATIONS

Richard P. Thomas, Geothermal Officer, Sacramento

PROGRAM HIGHLIGHTS:

RESERVOIR MODELED Work continued on a numerical simulation model for the Heber Geother-mal field reservoir in the Imperial Valley. The project is funded by the U.S. Department of Energy and undertaken by department engineers and by scientists from the Lawrence Berkeley Laboratory.

The cooperative effort will enable department personnel to use the TOUGH2/PC reservoir simulation program and adapt the program to match observed subsidence and uplift in the field. The program will be available for use in other California fields.



Area of the CEQA site visit for an exploratory well proposed by the New Age Church of Being. The hot spring and bath house are at photo left. Photos by E. Johnson.



A stone pool at the Sierra Hot Springs Resort, once the Campbell Hot Springs Resort, site of a proposed geothermal well.

CALIFORNIA ENVIRONMENTAL QUALITY ACT

(CEQA) In 1995, the Geothermal Section received an application from the New Age Church of Being for an exploratory project in Sierra County (see photos). The well will be used to supplement flow into the hot baths and, perhaps, a small swimming pool. A Notice of Exemption was issued.

DISTRICT NO. G1



Elizabeth A. Johnson, District Engineer, Sacramento

MONO COUNTY ORPHANED WELLS Seven orphaned geothermal wells near Casa Diablo Geothermal field were once operated by Bonneville Recific (see photo). Six of the wells will be plugged and abandoned by the department. Some costs will be offset with a bond of the former operator.



Part of the Chance Lease, location of six orphaned geothermal wells once operated by Bonneville Pacific.

The seventh well is part of the hydrologic monitoring network maintained by the U.S. Geological Survey on behalf of the Long Valley Hydrologic Advisory Committee. The department is working with private and public entities to obtain bond coverage and an operator for this well so it can continue to be used as a monitoring well.

NEW PLANT PROPOSED FOR MONO COUNTY

Mammoth Pacific, L.P. has proposed constructing a
new geothermal power plant near the Town of

Mammoth Lakes in Mono County. Mammoth Pacific,
L.P., the U.S. Bureau of Land Management, the U.S.

Forest Service, and Mono County are devising a
process to select a third-party contractor to prepare

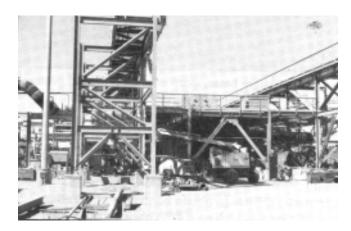
the EIS/EIR.

DISTRICT NO. G2
Timothy S. Boardman, District Engineer, El Centro

SALTON SEA GEOTHERMAL FIELD In 1995, California Energy Company began construction on Unit 4, a 40-megawatt power plant in Salton Sea Geothermal field (see photos). The plant, sited next to Unit 3, is scheduled to be finished in May 1996.



California Energy Company's Unit 4, under construction next to Unit 3. Units 1 and 2 are seen in the background at photo center and left, on the edge of the Salton Sea. Photos by T. Boardman.



Close-up of Unit 4 under construction.

The power plant will use the pH modification process first used on Unit 2, built in 1990 and now owned and operated by California Energy Company. In this process, hydrochloric acid is injected into the production stream, keeping the highly concentrated salts and silica dissolved in the brine. The process eliminates the crystallizer/clarifier hardware used at other California Energy power plants and no surface disposal is needed for filter cake materials.

The Unit 3 power plant was converted to the pH modification process in October 1995 and Unit 1 will be converted to pH modification by the time Unit 4 goes on line. With Unit 4 on line, California Energy and its subsidiaries will operate eight power plants in the Imperial Valley, with a net capacity of 276 megawatts.

ZINC EXTRACTION CONTINUES By December 1995, 2,200 pounds of zinc had been extracted from a test loop at California Energy's J.J. Elmore Power Plant in the Salton Sea Geothermal field. BHP Minerals, the loop operator, is a subsidiary of the Broken Hill Proprietary Co. Ltd., a company based in Melbourne, Australia, with international mining interests.

At the loop, geothermal brine is diverted from the injection line to an ion-exchange unit containing resin beads similar to those used to soften water. The ion exchange unit strips away the zinc, which can be washed off the beads with water and collected. The process yields zinc that is 99.9 percent pure Other mining procedures yield zinc with about 50 percent purity. Although Salton Sea brines contain mostly common salts, they also have minute amounts of nearly every element in the periodic table, from arsenic to zinc.

DISTRICT NO. G3

3 Rose

Kenneth F. Stelling, District Engineer, Santa Rosa

PIPELINE PROJECT In October 1995, ground-breaking ceremonies were held for the Southeast Geysers Effluent Pipeline Project (see photo). Major project construction will begin in the spring of 1996 at the water-intake area by Clear Lake. Completion is scheduled for August 1997. Treated sewage effluent from the City of Clearlake and fresh water from Clear Lake will be injected into wells at The Geysers Geothermal field to enhance steam production.

The City of Santa Rosa is watching the Lake County project. The city is studying a plan to pipe treated effluent from Sonoma County to the field.



Groundbreaking ceremonies for the Southeast Geysers Effluent Pipeline Project were held on October 6, 1995. Photo by W. Guerard.

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GEOTHERMAL STATISTICS

GEOTHERMAL OPERATIONS AND METERS DRILLED - 1995*

		Drilled				Co	mplet	ed				rille eepen			P]	Lugged	l & al	oando	ned		Meters	drilled		
Field or county	API county code	Explor.	Prod.	Serv.	Temp. grad.	Total	Explor.	Prod.	Serv.	Temp. grad.	Total	Explor.	Prod.	Serv.	Temp. grad.	Total	Explor.	Prod.	Serv.	Temp. grad.	Total	Suspended	New wells	Reworks
DISTRICT G1 Casa Diablo Lake City Litchfield Susanville Wendel Lassen County Modoc County Mono County Plumas County Shasta County Sierra County	051 049 035 035 035 035 049 051 063 089	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
District Gl Totals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DISTRICT G2 Brawley Heber East Mesa Mesquite Salton Sea Desert Hot Springs Imperial County Inyo County Kern County Riverside County San Bernardino San Luis Obispo	025 025 025 025 025 025 065 027 029 065 071	0 0 0 0 0 0 0 0	0 0 0 0 3 4 2 0 0 4 0	0 0 0 0 3 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 6 4 2 0 0 4 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 4 2 0 0 0 2	0 0 0 0 3 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 6 4 2 0 0 2	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 3 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 3 0 0 0 0	0 0 0 0 3 0 0 0 0 0 2 1	0 0 0 0 0 0 0 0 0	0 0 8134 0 8069 368 598 0 708 0	0 0 0 0 630 0 0 0
District G2 Totals		0	13	3	0	16	0	11	3	0	14	0	0	3	0	3	1	2	0	3	6	0	17,877	630
DISTRICT G3 Calistoga The Geysers Lake County Mendocino County Sonoma County District G3 Totals	055 033 097 033 045 097	0 0 0 0 0 0	0 0 2 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 2 0 0 0	0 0 0 0 0	0 0 2 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 2 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 1 0 0 0	0 1 1 0 0 0	0 2 0 0 0 0	0 0 0 0 0 0	0 3 2 0 0	0 0 0 0 0 0 0 0	0 0 7252 0 0 0	0 0 0 0 0
STATE TOTALS		0	15	3	0	18	0	13	3	0	16	0	0	3	0	3	2	4	2	3	11	0	25,129	630

^{*} Data for federal leases are not included.

CALIFORNIA'S STEAM-DOMINATED GEOTHERMAL FIELDS *

Year	Average number of producing wells	Gross steam produced kilograms (thousands)	Average number of active injection wells	Water injected kilograms (thousands)	Percent injected
The G	eysers Geothe	rmal field:			
1960 1961 1963 1964 19665 19667 19667 1971 1971 19773 19775 19778 19777 1978 1981 1981 1983 1985 1988 1988 1999 1999 1999 1999	3 3 3 7 7 7 7 13 12 27 30 460 2 8 9 9 12 30 16 16 16 16 16 16 16 16 16 16 16 16 16	306,180 857,431 913,804 1,530,900 1,838,314 1,727,581 1,709,872 2,862,7453 7,813,799 15,777,373 21,464,314 26,329,259 30,514,607 31,995,187 32,527,275 32,	0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 5 7 2 2 3 3 3 2 3 2 3 2 3 2 3 2 3 2 3 3 3 3 2 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

^{*} Data for federal leases included. + Contains corrected data.

CALIFORNIA'S WATER - DOMINATED GEOTHERMAL FIELDS*

Geothermal field	Year	Average number of producing wells	Gross water produced kilograms (thousands)	Average number of injection wells	Water injected kilograms (thousands)	Geothermal field	Year	Average number of producing wells	Gross water produced kilograms (thousands)	Average number of injection wells	Water injected kilograms (thousands)
Amedee	1988** 1989 1990 1991 1992 1993 1994 1995	2 2 2 2 2 2 2 2 2 2	1,283,871 4,778,856 5,443,317 5,778,129 5,946,618 5,535,367 4,970,443 5,357,734	Ne	O INJECTION	Litchfield	1984** 1985 1986 1987 1988 1989 1990	1 1 1 1 1 1	945,419 987,427 852,801 712,709 765,384 1,061,360 891,708 760,304	N	O INJECTION
Brawley	1982** 1983 1984 1985 1986	2 2 1 1	1,833,217 2,397,722 1,122,414 555,731 PROJECT TER	2 4 3 1 MINATED	1,578,510 2,342,862 994,175 529,041		1992 1993 1994 1995	1 1 1	621,690 885,045 701,006 822,790		
Casa Diablo	1984*** 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994	1 3 3 4 4 4 3 4 10 10 10 10	1,317,788 3,840,401 6,076,840 6,754,790 6,723,808 6,871,002 6,971,231 24,538,220 24,604,335 23,544,466 23,637,236 22,498,589	1 3 3 3 3 3 3 3 5 4 4 4 5 5	1,317,788 3,840,401 6,076,840 6,754,790 6,723,808 6,871,002 6,971,231 24,538,220 24,604,335 23,544,466 23,637,236 22,498,589	Salton Sea	1982** 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994	2 3 2 2 9 9 11 23 33 32 33 35 34 31	2,383,365 3,735,455 4,208,900 4,167,497 13,433,795 14,272,783 +19,572,266 56,570,756 75,745,346 77,687,699 78,034,671 77,792,273 +77,553,144 80,960,089	2 2 2 7 8 10 18 23 22 25 24 24	2,071,770 3,260,076 3,211,456 3,193,912 10,851,579 11,911,933 17,087,924 47,581,465 62,991,977 68,884,579 69,247,157 67,126,019 69,917,900 69,917,900
Coso	1987** 1988 1989 1990 1991 1992 1993 1994 1995	5 15 32 47 57 63 68 72 75	4,125,630 13,965,143 44,187,631 55,936,765 46,624,874 41,198,639 47,726,990 43,261,502 40,317,057	3 6 12 13 13 15 17 18 20	3,547,813 9,233,591 34,771,770 36,543,678 26,370,492 24,923,696 24,831,128 23,619,268 24,004,829	Susanville***	1982** 1983 1984 1985 1986 1987 1988 1989 1990	1 1 1 1 1 1 1	21,228 174,352 134,832 339,792 345,600 436,751 262,878 448,792 518,471 522,490	1 1 1 1 1 1 1	21,228 174,352 134,832 171,360 199,104 276,196 230,307 300,972 297,840
East Mesa	1983** 1984 1985	5 6 6	3,196,215 4,050,175 3,659,938	3 2 2	3,190,219 3,963,468 3,385,793		1992 1993 1994 1995	1 1 1	482,574 589,658 551,406 565,345	1 1 1	298,656 297,840 297,840 297,024
	1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	6 15 25 32 39 42 42 43 43 43	4,725,162 14,187,024 40,952,496 67,990,914 79,221,063 +91,984,758 +97,750,781 97,849,346 90,589,304 90,488,703	3 6 12 23 33 36 39 40 40 41	4,399,114 13,734,959 35,950,366 57,796,766 +75,465,209 +89,406,945 94,370,772 +96,029,637 87,198,495 86,970,705	Wendel	1985** 1986 1987 1988 1989 1990 1991 1992 1993	1 1 1 2 2 2 2 2	833,989 1,808,949 1,773,907 1,763,722 2,542,910 2,618,618 2,440,737 2,503,719 2,370,861	1 1 1 1	0 0 0 428,745 978,066 1,717,291 1,017,408 1,043,371
Heber	1985** 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	9 13 16 12 11 10 10 10 17 22 22	13,584,658 32,263,682 34,472,259 29,769,219 29,384,658 29,487,574 29,215,287 29,478,685 41,674,826 53,988,169 56,645,248	8 12 13 10 10 9 9 9 17 22 23	13,214,051 29,716,492 31,300,084 26,031,068 24,976,751 25,085,848 25,252,223 26,816,804 38,101,717 49,908,275 52,587,798		1994 1995	2 2	2,309,924 2,153,224	1 1	1,145,622 956,770

Data for federal leases included.
 The first year that production data were reported to the Division of Oil, Gas, and Geothermal Resources.

^{***} Data are only available for the city's space-heating project.

+ Contains corrected data.

GEOTHERMAL NOTICES FILED AND INSPECTIONS - 1995*

	1	Notic	es to	dril	1	1	Notice	s to	rewor	k		Not plug	ices & aba			
Field or county	Explor.	Prod.	Serv.	Temp. grad.	Total	Explor.	Prod.	Serv.	Temp. grad.	Total	Explor.	Prod.	Serv.	Temp. grad.	Total	Total inspections by district
DISTRICT G1 Casa Diablo Lake City Litchfield Wendel Susanville Lassen County Modoc County Mono County Plumas County Shasta County Sierra County	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	
District G1 Totals	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	150
DISTRICT G2 Brawley Heber East Mesa Mesquite Salton Sea Desert Hot Springs Imperial County Inyo County Los Angeles County Riverside County San Bernardino San Luis Obispo	0 0 0 0 0 0 0 0 0 0	0 0 0 0 4 3 2 0 0 3 0	0 0 0 0 2 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 6 3 2 0 1 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 17 1 0 0 0 0	0 1 0 0 0 13 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 0	0 1 0 0 0 31 1 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 5 0 0 0 0	
District G2 Totals	1	12	2	0	15	0	18	14	1	33	1	0	0	5	6	409
DISTRICT G3 Calistoga The Geysers Lake County Mendocino County Napa County Sonoma County	0 0 0 0 0	0 1 0 0 0	0 0 0 0 0	0 0 0 0 0	0 1 0 0 0	0 0 0 0 0 0	0 1 0 0 0	0 1 0 0 0	0 0 0 0 0 0	0 2 0 0 0	0 0 0 0 0 0	0 3 0 0 0	0 2 0 0 0	0 0 0 0 0 0	0 5 0 0 0	
District G3 Totals	0	1	0	0	1	0	1 19	1	0	2	0	3	2	0	5 11	790
STATE TOTALS	4	13	4	"	1 /	١ ٠	13	1 1 0	1	36	1	3	4	5	111	1,349

^{*} Data for federal leases not included. The number of drilling permits issued by the Bureau of Land Management (BLM) for geothermal development on federal lands in California increased in 1995. According to the BLM, 15 werls were permitted during federal fiscal year 1995 (October 1994 - September 1995), compared with 11 wells permitted the year before.

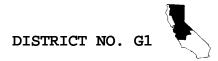
GEOTHERMAL EXPLORATORY WELLS DRILLED TO TOTAL DEPTH IN 1995

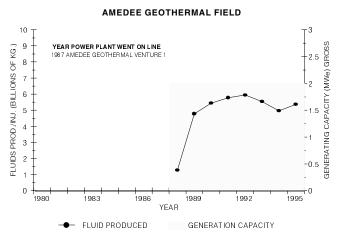
					в.				Month	Total	Stratigraphic units penetrated and/or
					&			Elev.	drilling	depth	time-stratigraphic units at total depth
County	1	Т.	R.	Sec.	М.	Operator	Well designation and API numb	r (meters)	completed	(meters)	(depth in meters)
							NONE TO REPORT				

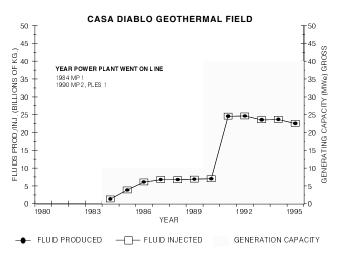
GEOTHERMAL CEQA APPLICATIONS AND SITE VISITS

		Project	s filed			Notices	issued		Reports				Site inspections			
Year	Temperature gradient	Exploratory	Other	Total	Preparation	Exemption	Determination	Total	Negative declaration	Draft EIR	Final EIR	Total	General	Specific	Total	
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	24 12 2 4 5 5 0 0 0 0 0 0	6 7 6 7 3 3 3 5 1 2 2 2 3 2 2 1	0 0 0 0 0 0 0 0 0 0 0	30 19 8 11 8 8 3 5 1 2 2 2 3 3 4 1 1	9 15 5 4 1 2 0 0 0 0 0 0 0 0	20 15 3 6 7 5 2 3 1 1 2 3 0 2	6 5 2 5 3 1 1 1 2 0 2 2	35 36 13 12 13 10 3 4 2 2 2 4 3 2 6 0 1	3 3 2 1 0 1 1 1 0 1 0 2 2 2 0	4 3 1 2 5 2 0 0 0 0 0 0 0 0	4 2 2 2 2 4 2 0 0 0 0 0 0 0 0 0	11 8 5 5 9 5 1 1 0 1 0 2 2 2 0	2 0 0 0 0 0 1 1 1 3 0 0 2 4 1 1	9 11 2 5 4 0 0 0 4 0 0 2 3 6 4 1 1	11 11 2 5 4 0 1 5 1 3 2 3 8 8 8 2 2	

FLUID PRODUCED AND INJECTED, AND POWER PLANT CAPACITY FOR CALIFORNIA GEOTHERMAL FIELDS







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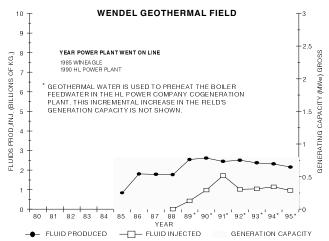
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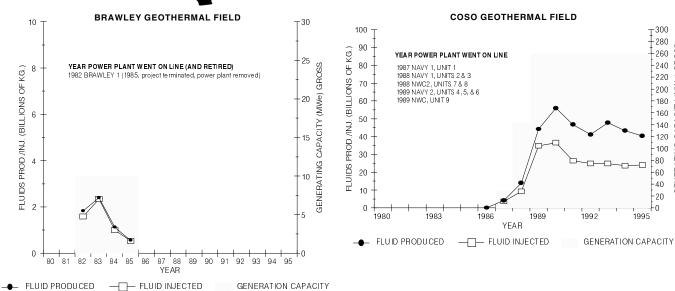
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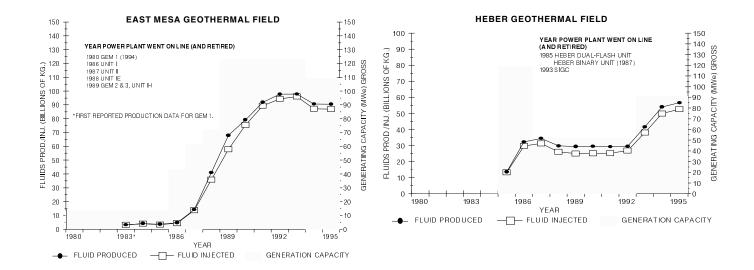
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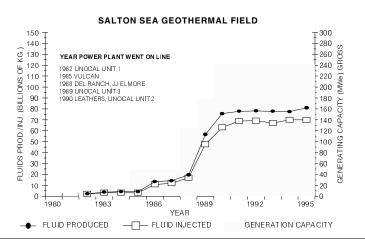


DISTRICT NO. G2





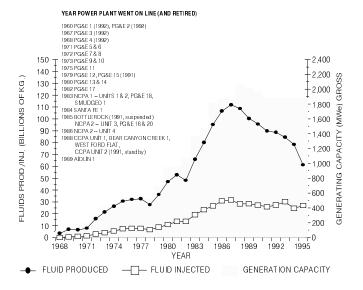




DISTRICT NO. G3



THE GEYSERS GEOTHERMAL FIELD



FINANCIAL REPORT

FINANCIAL REPORT

The following report is made in accordance with Section 3108, Division 3, Public Resources Code, which reads as follows: ''On or before the first day of October of each year the supervisor shall make public for the benefit of all interested persons, a report in writing showing:

- (a) The total amounts of oil and gas produced in each county in the state during the previous calendar year. (Figures for 1994 are published in the 80th Annual Report of the State Oil and Gas Supervisor.)
- (b) The total cost of the division for the previous fiscal year.
- (c) The total amount delinquent and uncollected from any assessments or charges levied pursuant to the chapter.

The report shall also include such other information as the supervisor deems advisable.''

Collection of Funds by Assessment

Funds for the support of the Department of Conservation's Division of Oil, Gas, and Geothermal Resources are raised by an assessment on oil and gas production as provided for in Article 7 of Division 3, Public Resources Code.

The assessment is based on the projected expenditures of the division, taking into account any previous surpluses or deficiencies, and the prior year's production. For the 1995-96 fiscal year, the rate of assessment was established at \$0.031672 per barrel of oil or ten thousand cubic feet of gas.

As provided for in Chapter 4, Division 3, Section 3724.5 of the Public Resources Code, the division is also partly funded by an annual assessment levied on operators of high-temperature geothermal resource wells and by drilling fees charged to geothermal operators for drilling new wells or redrilling abandoned wells.

For the 1995-96 fiscal year, the fee-assessment is \$1,545.00 per high-temperature geothermal well.

Financial Statement 1994-95 Fiscal Year

Regiming Resource	26,000.00
Balance Azailable from Prior Year	165,000.00
Revenue Applicable to Oil, Gas, and Geothermal Operations	10,125,000.00
Total Resources	10,316,000.00
Total Expenditures	9,856,000.00
Erding Resources	460,000.00
Hazardous and Idle - deserted Well Abandonment Expenditures No. of 1994-95 Fiscal Year Wells	
38 Hazardous and Idle-deserted W ells Plugged and A bandoned	357,680.17 *
0 Section 3237 PRC Wells Plugged and Abandoned \$	0
6 Orphaned Wells Pluoped and Abandoned (HIIMAF)	35,844.50
44	393,524.67
22 Wells on which Remedial Action was Taken	45,765.99
Gross Expenditure	439,290.66
Bond Reinborsmert	-223,546.31
Net Expenditure\$	215,744.35
Underground Injection Control Program Expenditures (Oct. 1, 1994 - Sept. 30, 1995 Federal Fiscal Year) Regiming Resource \$	404,600.00
Balance Available from Prior Year \$	
Thal Responses \$	
Total Expenditures	•

Ending Resources \$

46,087.00

^{*}Figure includes funds for wells abandoned in the previous fiscal year.

List of Delinquent Assessments and Penalties: Oil, Gas, and Geothermal Operations as of June 30, 1996

OPERATOR	YEAR	ASSESSMENT
OIL AND GAS OPERATORS		
American Barter Petro., Inc. American Titan Oil Co. Armstrong Farms Inc. The Arvin Co. Baker Oil and Gas Co.	1993 1994 1995 1993 1995 1995	\$3,600.23 \$2,729.72 \$345.77 \$406.61 \$236.73 \$69.12 \$789.66
Blackhawk Oil Co.	1994	\$5,718.20
Weldon Bruce Calif. Oil Independents, Inc. Central Lease Inc. Deuel Petroleum Co., Inc.	1995 1989 1995 1991 1992 1993 1995 1987	\$1,902.69 \$545.65 \$278.85 \$1,311.38 \$915.54 \$662.32 \$63.14 \$108.26 \$182.01
Dominion Oil Co. Energy Development of Calif.	1988 1989 1990 1991 1992 1993 1994 1995 1990 1991	\$3,457.99 \$3,354.86 \$3,263.46 \$2,841.05 \$2,246.12 \$1,410.86 \$1,505.33 \$950.20 \$1,012.90 \$373.63
GENY Operations GEO Petroleum, Inc. Graham Royalty, LTD.	1995 1993 1994	\$1,060.17 \$3,496.38 \$6,332.45
Hilliard Oil & Gas Inc. KC Resources, Inc. Kalco Development Corp. Killingsworth Oil Co. Ted Koble, Opr.	1986 1995 1988 1989 1990 1991 1994	\$550.54 \$626.25 \$2,646.16 \$2,008.64 \$408.67 \$273.83 \$136.96 \$175.82
Lobodo Inc. Midsun Partners Mitchell Oil Co.	1994 1995 1995 1989 1990 1991 1992 1994	\$159.84 \$49.27 \$615.12 \$234.86 \$288.53 \$219.83 \$111.97 \$210.03
Nahama & Weagant Energy Co. The National Oil Co. North Valley Oil & Gas Co. Oilfield Pet. & Energy Co. Oro Negro, Inc.	1994 1987 1990 1991 1994 1995 1995	\$1,252.28 \$59.41 \$172.26 \$87.79 \$2,031.91 \$95.85 \$916.40
Pan American Energy Corp. Pangea Inc.	1993 1994 1994 1993	\$117.01 \$32.40 \$98.35 \$966.77
Petro Nova Prado Petroleum	1995 1989 1990 1988 1989 1990 1991 1992 1993	\$49.29 \$447.95 \$176.85 \$1,097.86 \$601.21 \$1,099.70 \$762.83 \$401.35 \$394.61
Pueblo Oil & Gas	1992	\$350.21 \$318.56
Res-Tech Inc. Sierra Resources, Inc. South Coast Oil Corp. St. Regis Resources Corp.	1994 1995 1995 1994 1995 1995	\$231.41 \$46.58 \$285.38 \$881.02 \$789.05 \$291.02
Supreme Oil & Gas Corp. Synergy Resources Corp. TRV Minerals Corp. Zachary T. Tatum	 1994 1995 1987 1995	\$86.52 \$124.55 \$346.64 \$72.98

OPERATOR	YEAR	ASSESSMENT
OIL AND GAS OPERATORS	 	
Taylor-McIlhenny Op. Co., Inc.	1994	\$24.82
Terra Expl. & Prod. Co. Inc. Thomas Oil Co. Tri Kern Resources Troy Resources Corp. Turco Products Division	1995 1987 1988 1989 1990 1993 1994 1988 1989 1988 1989	\$3.89 \$298.48 \$394.27 \$239.06 \$210.60 \$289.95 \$330.45 \$487.30 \$228.18 \$184.48 \$384.87 \$106.24
Tycoon Oil Co.	 1993 1994 1995	\$178.31 \$186.74 \$51.21
United Energy, Inc. West America Resources	1995 1993 1994	\$1,542.50 \$3,362.23 \$194.44
TOTALS	1986 1987 1988 1989 1990 1991 1992 1993 1994 1995	\$550.54 \$812.79 \$8,450.08 \$8,045.28 \$7,422.63 \$5,870.35 \$4,025.19 \$15,203.84 \$22,424.93 \$10,466.01
		\$51,765.56
GEOTHERMAL OPERATORS	ļ	
Bonneville Pacific Corp. Department of Water Resources GEO Operator Corp.	1991 1992 1993 1994 1995 1995 1988 1989 1990 1991	\$371.44 \$5,968.20 \$6,710.58 \$6,930.00 \$5,191.16 \$3,630.72 \$21,197.44 \$137,312.80 \$77,900.50 \$69,957.32 \$6,211.80
Geysers Power, Inc.	1992 1993 1994 1995	\$39,788.00 \$44,737.20 \$46,200.00 \$34,608.00
Imperial Energy Corp. MCR Geothermal Corp. MSR Power Agency	1985 1995 1994	\$2,282.93 \$7,261.50 \$4,620.00
TOTALS	1985 1986 1987 1988 1988 1989 1990 1991 1992 1993 1994 1995	\$2,282.93 \$0.00 \$0.00 \$21,197.44 \$137,312.80 \$77,900.50 \$70,328.76 \$51,968.00 \$51,447.78 \$57,750.00
		 \$466,902.95
GRAND TOTAL	İ	\$518,668.51

PR06 (7/96/OSP/2M)