



January 28, 1994

Mr. Lee Delaney
Bureau of Land Management
300 Richmond Road
Ridgecrest, CA 93555

**Subject: Temperature Core Hole 48-11
 Well Completion Report**

Dear Mr. Delaney,

Enclosed please find the following completion information for Temperature Core Hole 48-11:

1. Geothermal Well Completion Report and Well History.

If you have any questions or comments, please contact me or John Gastineau; CECI's Drilling Manager, at (619) 764-2551 ext 325.

Sincerely,

Sandra Blauvelt
Drilling Department
Secretary

cc: Mr. Dave Moore, BLM, Caliente Resources Area (all encls.)
 Mr. Karl Kissling, BLM, Riverside (all encls.)
 Mr. Rich Estabrook, BLM, Ukiah (all encls.)
 Mr. Steve Bjornstad, NAWS, Code C8306 (all encls.)
 Mr. Tom Rheiner, LRWQCB, Victorville (all encls.)
 Ms. Christy Hunter, Division of Oil & Gas, El Centro (all encls.)
 Dr. Subir Sanyal, Geothermex (all encls.)
 Mr. Gordy Gollan, Caithness (all encls.)
 Mr. Jim Lovekin, CECI, Ridgecrest (all encls.)
 Ms. Tracy Windsor, CECI, Central files, Ridgecrest (all encls.)
 CECI, Permit files, Compliance Dept. (all encls.)

SB:DRLG:TCH48-11

CALIFORNIA ENERGY COMPANY

RIDGECREST OFFICE: 900 N. HERITAGE, BLDG. D, RIDGECREST, CALIFORNIA 93555 (619) 499-2300 FAX: (619) 499-2308
PLANT SITE: (619) 764-2551 FAX: (619) 764-2220

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

GEOHERMAL WELL COMPLETION REPORT

FORM APPROVED
OMB NO. 1004-0132
Expires: September 30, 1990

The Bureau of Land Management (BLM) requires this form or other BLM-approved forms to be prepared and filed in duplicate with requisite attachments with the authorized officer within 30 days after completion of permitted operations.

1a. Well Type: ☐ Production ☐ Injection ☐ Disposal ☐ Water Supply ☐ Observation
☐ Cold ☐ Heat Exchange ☒ Other TEMPERATURE CORE HOLE

1b. Completion: ☒ New ☐ Workover ☐ Deepened ☐ Plugback ☐ Redrill
☐ Recompleted ☐ Drilled & Abandoned ☐ Other

2. Name of Lessee/Operator

CHINA LAKE JOINT VENTURES/CALIFORNIA ENERGY CO., INC.

3. Address of Lessee/Operator

900 N. HERITAGE DR., BLDG. D; RIDGECREST, CA 93555

18. Location of Well APPROX. 2200' E & 300' N OF SW CORNER OF

At Surface:

At Top of Production Zone: SEC 11, T22S, R38E

At Total Depth:

19. Total Depth

Measured 3065'

True Vertical: N/A

20. Plugback Total Depth

Measured:

True Vertical:

21. Elevation: ☐ Estimated ☒ Final

Reference Datum: ☐ GR ☐ MAT ☐ DF ☒ KB ☐ RT ☐ Casinghead Flange ☐ Other

22. Drilling Media: ☐ Air ☐ Water ☒ Mud ☐ Foam ☐ Other

List Characteristics:

23. Log Type & Intervals

4. Lease Serial No. CA 11403

5. Surface Manager: ☐ BLM ☐ FS
☒ Other NAWS

6. Unit Agreement Name
COSO KGRA

7. Well No. TCH 48-11 8. Permit No. GEP 065-93-0

9. Field or Area
COSO KGRA

10. Sec., T., R., B. & M.

SEC 11, T22S, R38E, MDB&M

11. County INYO

12. State CALIFORNIA

13. Spud Date 9-29-93 Date T.D. Reached 11-21-93

14. Completion Date (Ready to produce) 11-23-93

15. Directionally Drilled Intervals

SEE ATTACHED

16. Surveyed Intervals

SEE ATTACHED

17. Core Size and Intervals

24. CASING RECORD

Size	Weight	Grade	Collars & Threads	Depths Set		Hole Size	Cementing Record (slurry volume)
				Top	Shoe		
4 1/2	10.5	J55	8RD	GL	475	8 1/2"	TO SURFACE
3 1/2	HQ DP	HQ DP	LONGYEAR	GL	1941	3.895	HUNG

25. LINER RECORD

Size	Weight	Grade	Collars & Threads	Top	Bottom	Perforated Intervals	Cementing Record (slurry volume)

26. TUBING RECORD

Size	Weight	Grade	Depth Set	Packer Depth
1 1/2	2.9	J55	3040	

27. Cement Squeeze, Acid, Fracture, etc. (detail type, amount, intervals)

28. PERFORATION RECORD

Type	Total No.	Density (No./ft)	Size	Intervals

29. Attachments & Previous Submittals: List all reports, surveys, tests and logs, not listed in item 23, which have resulted from drilling and completion operations. List relevant previously furnished data with date of submittal referenced.

SEE ATTACHED

30. Well Status: ☐ Producing ☒ Shut-In ☐ Suspended ☐ Injection ☐ Disposal ☐ Heat Exchange ☐ Abandoned ☐ Water Supply ☐ Other

31. Do you consider the well to be commercial? ☐ Yes ☒ No Explain:

TEMPERATURE MONITORING

32. I hereby certify the information on this report and the attached information is complete and accurate according to the best of my knowledge.

Signed:

Title DRILLING MANAGER

Date 01-25-94

(Continued on reverse)

JG:sb