

WELL HISTORY GEOTHERMAL

Operator: California Energy Company	Well Name & No.: Mazama I - 11A
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Field: Mazama I	County: Klamath	Sec. 10	T. 31S	R. 7½E	B&M: WB&M
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DATE	HISTORY
09/05/91	Moved in Longyear Rig No. 601 on Mazama I-11A.
09/06/91	Rigged up and pumped 100 bbls. H2O down 4-1/2" casing. Nippled up BOP and tested to 200 psi. Pulled on 1-1/2" tubing, found to be stuck. Worked tubing with no success while pumping H2O down annulus. Unable to pump down tubing.
09/07/91	Ran Dialog free point indicator. Found tubing stuck at 802'. Continued to work tubing and pump H2O down annulus. Dialog indicated tubing stuck at 900'. Dialog cut tubing at 1447'. Worked tubing and pumped H2O down annulus. Dialog indicated tubing 30% free at 940'. Cut tubing with jet cutter at 930'. Worked 60' of tubing out of hole before tubing became free. Pulled tubing. Re-ran tubing, open ended to fill at 800'. With tubing hanging at 798', Halliburton mixed and pumped 2 bbls. H2O, followed by 36 cu. ft. "G" cement with 40% SSA1 and 75% CFR-3. Stuck tubing with bottom at 798'.
09/08/91	Ran Dialog free point. Found tubing stuck at 480'. Cut tubing at 470'. With tubing at 465', Halliburton mixed and pumped 9 bbls. H2O, followed by 42 cu. ft. "G" cement with 40% SSA1 and .75% CFR-3, filling casing. Pulled tubing. Filled casing to surface with cement. Cut off casing. Welded identification plate on casing stub. Plugging witnessed by Dennis Simontacchi, BLM.
09/09/91	Rigged down rig and allied equipment. Cleaned and re-stored location to U.S. Forest specifications, witnessed by Judith Watterson, U.S. Forest Service.

CALIFORNIA ENERGY COMPANY, INC. P.O. Box 1420 Inyokern, CA 93527	By: Robert W. Rardin Title: Drilling Manager	
(619) 764-2551	Signature: <i>Robert W. Rardin</i>	Date: 09/12/91