

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CS6. 475'
 REPORT NO. 21 DATE 10/17/93 AFE NO. E48W113 " CS6.
 CONTRACTOR LONGYEAR RIG NO. 602 " CS6.
 RIG DAYS 20 DRILLING DAYS 19 " LNR.
 DEPTH @ 2400 HRS. 1578' FOOTAGE DRILLED 120'
 ACCUM DRLG HRS. SINCE LAST INSP. BLODIE LN VLV#
 HRS. DRILLED HRS. TRIPPED HRS. REPAIR HRS. OTHER

MUD WT. 8.6 VISC. 36 W.L. CK. 1 PH. 8.8 CHL. 250 YP 3 PV 8
 GELS 0/2 SAND SOLIDS 2.1 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3" 185 19 100 DP =
 DC =
 AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE
 FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>5</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22338</u>	<u>CORE</u>	<u>1010</u>	<u>1524</u>	<u>514</u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>
<u>6</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22777</u>	<u>CORE</u>	<u>1524</u>	<u> </u>	<u>54</u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>

DRLG. ASSY. CB 13.5 HQ PIPE 157 JTS.
 STRING WT. 9420 UP WT. 10,000 DN WT. ROT TORQ. 2000 @ 400

24 HR SUMMARY:

0000-1200 DRILL F/1458' T/1524'
 1200-1350 P.O.D.H. BIT TRIP
 1350-1600 R.I.H. TEST B.O.P. O.K.
HIT CAVE AT 1104'
 1600-1700 DRILL CAVE
 1700-2400 DRILL F/1524' T/1578'

MUD ADDITIVES	
PRODUCT	AMOUNT
GEL	<u>0</u>
SODA ASH	<u>0</u>
DETERGENT	<u>0</u>

DAILY MUD COST
 ACC COST 4,989
 =====
 WELL COSTS 5,010
 FORWARD 112,746
 ACC COST 117,756
 AFE. 299,303
 SUP. AFE

OPERATIONS @ 0500 HRS.

CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D.	ANGLE	DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>DEPTH</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>MUD MTR HRS</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>ACC MUD MTR HR</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>MONEL NO.</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>LENGTH</u>

DP ON LOC., SIZE HQ JTS 293 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR Sister Braxfield

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 20 DATE 10/16/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 19 DRILLING DAYS 18 " LNR.
 DEPTH @ 2400 HRS. 1458' FOOTAGE DRILLED 97'
 ACCUM DRLG HRS. SINCE LAST INSP. BLOODE LN VLV#
 HRS. DRILLED 24 HRS. TRIPPED HRS. REPAIR HRS. OTHER

=====

MUD WT. 8.7 VISC. 36 W.L. CK. 1 PH. 9.5 CHL. 250 YP 5 PV 10
 GELS 1/3 SAND 1/4 SOLIDS 2.8 %LOST CIRC. MTL. TEMP IN OUT

=====

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3" 185 19 100
 DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT

CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

=====

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>5</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22338</u>	<u>CORE</u>	<u>1010</u>	<u> </u>	<u>448</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
												T <u>B</u> <u>G</u>
												T <u>B</u> <u>G</u>
												T <u>B</u> <u>G</u>

DRLG. ASSY. CB 13.5 HQ PIPE 146 JTS.

STRING WT. 8760 UP WT. 9000 DN WT. ROT TORQ. 2000 @ 400

24 HR SUMMARY:

0000-1200 DRILL F/1361' T/1383'
 1200-2400 DRILL F/1383' T/1458'

MUD ADDITIVES	
PRODUCT	AMOUNT
<u>GEL</u>	<u>0</u>
<u>SODA ASH</u>	<u>0</u>
<u>DETERGENT</u>	<u>0</u>

DAILY MUD COST	<u>6</u>
ACC COST	<u>4,920</u>
=====	
WELL COSTS	<u>4,735</u>
FORWARD	<u>108,011</u>
ACC COST	<u>112,746</u>
AFE.	<u>299,303</u>
SUP. AFE	<u> </u>

OPERATIONS @ 0500 HRS.

CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

=====

M.D.	ANGLE	DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

DP ON LOC., SIZE HQ JTS 293 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR John Bransfield

CALIFORNIA ENERGY CO., INC. - DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 19 DATE 10/15/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 18 DRILLING DAYS 17 " LNR.
 DEPTH @ 2400 HRS. 1361' FOOTAGE DRILLED 130'
 ACCUM DRLG HRS. _____ SINCE LAST INSP. _____ BLOOIE LN VLV# _____
 HRS. DRILLED 24 HRS. TRIPPED _____ HRS. REPAIR _____ HRS. OTHER _____

MUD WT. 8.5 VISC. 36 W.L. _____ CK. 1 PH. 8.8 CHL. 200 YP 4 PV 8
 GELS 0/2 SAND 1/4 SOLIDS 2.1 %LOST CIRC. MTL. _____ TEMP IN _____ OUT _____

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3" 85 18 100 _____ _____ DP = _____
 _____ _____ DC = _____

AIR COMPS. _____ CFM _____ PSI _____ TEMP F. _____ PRESSURE IN _____ OUT _____

CHEMICALS _____ RATE _____

FORMATION DRILLED _____ MUD COOLER YES _____ NO _____

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>5</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22338</u>	<u>CORE</u>	<u>1010</u>						T B G
												T B G
												T B G

DRLG. ASSY. CB 13.5 HQ PIPE 123 JTS. _____
 STRING WT. 6800 UP WT. 7000 DN WT. _____ ROT TORQ. _____

24 HR SUMMARY:

0000-1200 DRILL F/1231' T/1288'
 1200-2400 DRILL F/1288' T/1361'

MUD ADDITIVES	
PRODUCT	AMOUNT
GEL	<u>3</u>
SODA ASH	<u>1</u>
DETERGENT	<u>1</u>

DAILY MUD COST 6
 ACC COST 4,920
 =====
 WELL COSTS 13,184
 FORWARD 89,708
 ACC COST 102,892
 AFE. 299,303
 SUP. AFE _____

OPERATIONS @ 0500 HRS. _____

CONTRACTOR ACCIDENTS:
 YES _____ NO X

REMARKS _____

M.D.	ANGLE	DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
								DEPTH
								MUD MTR HRS
								ACC MUD MTR HR
								MONEL NO.
								LENGTH

DP ON LOC., SIZE HQ JTS 173 SIZE _____ JTS _____
 FUEL ON HAND _____ USED _____ REC'D _____ DRLG. SUPERVISOR Lester Bransford

CALIFORNIA ENERGY CO., INC. - DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 18 DATE 10/14/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 17 DRILLING DAYS 16 " LNR.
 DEPTH @ 2400 HRS. 1231' FOOTAGE DRILLED 135'
 ACCUM DRLG HRS. SINCE LAST INSP. BLOOIE LN VLV#
 HRS. DRILLED 24 HRS. TRIPPED HRS. REPAIR HRS. OTHER

MUD WT. 8.5 VISC. 36 W.L. CK. 1 PH. 8.5 CHL. 200 YP 4 PV 8
 GELS 0/2 SAND 1/4 SOLIDS 2.1 %LOST CIRC. MTL. TEMP IN OUT

PUMPS	LINER	STROKE	SPM.	GPM.	PSI.	TOTAL GPM	NOZZLE VEL	ANNULAR VEL
<u>1</u>	<u>2 1/4</u>	<u>3"</u>	<u>85</u>	<u>18</u>	<u>100</u>			

DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE
 FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>5</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22338</u>	<u>CORE</u>	<u>1010</u>						
												<u>T B G</u>
												<u>T B G</u>
												<u>T B G</u>

DRLG. ASSY. CB 13.5 HQ PIPE 123 JTS.
 STRING WT. 5000 UP WT. 5500 DN WT. ROT TORQ.

24 HR SUMMARY:
 0000-1200 DRILL F/1096' T/1161'
 1200-2400 DRILL F/1161' T/1231'

MUD ADDITIVES	
PRODUCT	AMOUNT
<u>GEL</u>	<u>1 6</u>

DAILY MUD COST 6
 ACC COST 4,920
 =====
 WELL COSTS 13,184
 FORWARD 89,708
 ACC COST 102,892
 AFE. 299,303
 SUP. AFE
 =====

OPERATIONS @ 0500 HRS.
 CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D. ANGLE DIR. T.V.D. V.SEC. N-S CORR. E-W CORR. D.L.S. TARGET
 DEPTH
 MUD MTR HRS
 ACC MUD MTR HR
 MONEL NO.
 LENGTH

DP ON LOC., SIZE HQ JTS 173 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR Lester Branfield

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 17 DATE 10/13/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 16 DRILLING DAYS 15 " LNR.
 DEPTH @ 2400 HRS. 1096' FOOTAGE DRILLED 102'
 ACCUM DRLG HRS. SINCE LAST INSP. BLODIE LN VLV#
 HRS. DRILLED 20 HRS. TRIPPED 2 HRS. REPAIR 2 HRS. OTHER

MUD WT. 8.6 VISC. 38 W.L. CK. 1 PH. 8.5 CHL. 200 YP 4 PV 8
 GELS 0/2 SAND 1/4 SOLIDS 2.1 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3" 85 18
 DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>4</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L21084</u>	<u>CORE</u>	<u>716</u>	<u>1010</u>	<u>294</u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>
<u>5</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L22338</u>	<u>CORE</u>	<u>1010</u>	<u> </u>	<u> </u>	<u> </u>	<u>3K</u>	<u>400</u>	<u>T B G</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>

DRLG. ASSY. CB 13.5 HQ PIPE 110 JTS.
 STRING WT. UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

0000-0500 DRILL F/994' T/1010'
 0500-0600 P.O.D.H. CHANGE BIT
 0600-0800 WORK ON RIG (REMOVE HYDRA PUMP)
 0800-0845 R.I.H.
 0845-1200 DRILL F/1010' T/1028'
 1200-2400 DRILL F/1028' T/1096'

MUD ADDITIVES	
PRODUCT	AMOUNT
<u>GEL</u>	<u>1</u> <u>6</u>
<u>PAPER</u>	<u>1</u> <u>15</u>
<u>DRL.DETR</u>	<u>1</u> <u>35</u>
<u>INTERVIS</u>	<u>1</u> <u>102</u>

DAILY MUD COST 158
 ACC COST 4,914
 =====
 WELL COSTS 4,940
 FORWARD 84,768
 ACC COST 89,708
 AFE. 299,303
 SUP. AFE

OPERATIONS @ 0500 HRS.

CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D. ANGLE DIR. T.V.D. V.SEC. N-S CORR. E-W CORR. D.L.S. TARGET
 DEPTH
 MUD MTR HRS
 ACC MUD MTR HR
 MONEL NO.
 LENGTH

DP ON LOC., SIZE HQ JTS 173 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR Lute Brassfield

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 16 DATE 10/12/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 15 DRILLING DAYS 14 " LNR.
 DEPTH @ 2400 HRS. 994' FOOTAGE DRILLED 115'
 ACCUM DRLG HRS. SINCE LAST INSP. BLOODE LN VLV#
 HRS. DRILLED 24 HRS. TRIPPED HRS. REPAIR HRS. OTHER

MUD WT. 8.5 VISC. 38 W.L. CK. 1 PH. 9.0 CHL. 200 YP 4 PV 10
 GELS 1/4 SAND 1/4 SOLIDS 1.0 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3" 85 18
 DP =
 DC =
 AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE
 FORMATION DRILLED MUD COOLER YES NO NO.

BIT SIZE MAKE TYPE SER.# JETS IN OUT FT HRS WT RPM COND.
4 HQ LY IMP L21084 CORE 716

DRLG. ASSY. CB 13.5 HQ PIPE
 STRING WT. 5000# UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

0000-1200 DRILL F/876' T/937'
 1200-2400 DRILL F/937' T/994'

MUD ADDITIVES
 PRODUCT AMOUNT
 GEL 1 6
 PAPER 2 30
 DRL.DETR 1 35

DAILY MUD COST 71
 ACC COST 4,756
 =====
 WELL COSTS 4,791
 FORWARD 79,977
 ACC COST 84,768
 AFE. 299,303
 SUP. AFE

OPERATIONS @ 0500 HRS.
 CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D. ANGLE DIR. T.V.D. V.SEC. N-S CORR. E-W CORR. D.L.S. TARGET

DP ON LOC., SIZE HQ JTS 173 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR Lester Branfield

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 425'
 REPORT NO. 15 DATE 10/11/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 14 DRILLING DAYS 13 " LNR.
 DEPTH @ 2400 HRS. FOOTAGE DRILLED
 ACCUM DRLG HRS. SINCE LAST INSP. BLOOIE LN VLV#
 HRS. DRILLED HRS. TRIPPED HRS. REPAIR HRS. OTHER

MUD WT. VISC. 36 W.L. CK. 1 PH. 8.5 CHL. 450 YP 4 PV 14
 GELS 4/8 SAND 1/2 SOLIDS 1.4 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3"
 DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT

CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>4</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L21084</u>	<u>CORE</u>	<u>716</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>T B G</u>

DRLG. ASSY. CB 13.5 HQ 88

STRING WT. 5000# UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

	DRILL F/769' T/809'	DRILL F/809' T/876'	MUD ADDITIVES	PRODUCT	AMOUNT
<u>0000-1200</u>	<u>DRILL F/769' T/809'</u>	<u>DRILL F/809' T/876'</u>	<u>GEL</u>	<u>10</u>	<u>58</u>
<u>1200-2400</u>	<u>DRILL F/809' T/876'</u>	<u>DRILL F/809' T/876'</u>	<u>PAPER</u>	<u>1</u>	<u>15</u>
<u> </u>	<u> </u>	<u> </u>	<u>DRISPAC</u>	<u>1</u>	<u>227</u>

DAILY MUD COST 300
 ACC COST 4,685

WELL COSTS 4,940
 FORWARD 75,037
 ACC COST 79,977
 AFE. 299,050
 SUP. AFE

OPERATIONS @ 0500 HRS. CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D. ANGLE DIR. T.V.D. V.SEC. N-S CORR. E-W CORR. D.L.S. TARGET
 DEPTH
 MUD MTR HRS
 ACC MUD MTR HR
 MONEL NO.
 LENGTH

DP ON LOC., SIZE HQ JTS 173 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 425'
 REPORT NO. 14 DATE 10/10/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 13 DRILLING DAYS 12 " LNR.
 DEPTH @ 2400 HRS. 769' FOOTAGE DRILLED 53'
 ACCUM DRLG HRS. SINCE LAST INSP. BLOODE LN VLV#
 HRS. DRILLED 9 HRS. TRIPPED .5 HRS. REPAIR HRS. OTHER 14.5

MUD WT. 8.4 VISC. 38 W.L. CK. 1 PH. 8.5 CHL. 1150 YP 3 PV 5
 BELS O/2 SAND .25 SOLIDS .7 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 3"
 DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
<u>4</u>	<u>HQ</u>	<u>LY</u>	<u>IMP</u>	<u>L21084</u>	<u>CORE</u>	<u>716'</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>400</u>	T <u> </u> B <u> </u> G <u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	T <u> </u> B <u> </u> G <u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	T <u> </u> B <u> </u> G <u> </u>

DRLG. ASSY. CB 13.5 HQ PIPE
 STRING WT. 4800 UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

<u>0000-0400</u>	<u>W.D.C.</u>
<u>0400-0430</u>	<u>R.I.H.</u>
<u>0430-1200</u>	<u>TAG CEMENT @526' DRILL CEMENT TO 656'</u>
<u>1200-1500</u>	<u>DRILL CEMENT TO 716'</u>
<u>1500-2400</u>	<u>DRILL TO 769'</u>

MUD ADDITIVES	
PRODUCT	AMOUNT
<u>CEMENT</u>	<u> </u>
<u>GEL</u>	<u>19</u>
<u>PAPER</u>	<u>110</u>
<u>FIBER</u>	<u> </u>

DAILY MUD COST 110
 ACC COST 4385

WELL COSTS 4,300
 FORWARD 70,737
 ACC COST 75,037
 AFE. 299,050
 SUP. AFE

OPERATIONS @ 0500 HRS.

CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D.	ANGLE	DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>DEPTH</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>MUD MTR HRS</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>ACC MUD MTR HR</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>MONEL NO.</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>LENGTH</u>

DP ON LOC., SIZE JTS SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR Jester Bramfield

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 425
 REPORT NO. 14 DATE 10/10/93 AFE NO. " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 12 DRILLING DAYS " LNR.
 DEPTH @ 2400 HRS. 716 FOOTAGE DRILLED 80
 ACCUM DRLG HRS. SINCE LAST INSP. BLOOIE LN VLV#
 HRS. DRILLED 17 HRS. TRIPPED 2 HRS. REPAIR HRS. OTHER 5

MUD WT. 8.6 VISC. 37 W.L. CK. 1/32 PH. 9.3 CHL. 250 YP 5 PV 12
 BELS 4/14 SAND .25 SOLIDS .7 %LOST CIRC. MTL. 0 TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
 1 2 1/4 3" 85 18 DP =
 DC =
 AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE
 FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
3		LY	IMP	L19973	CORE	492	716	224				T B G
												T B G
												T B G

DRLG. ASSY.
 STRING WT. 4K UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

0000-0100	DRILL F/ 636 TO 642
0100-0130	SLUG HOLE FOR LOST CIRC.
0130-1000	DRILL F/ 642 TO 677
0000-1100	POH. STUCK TUBE. RIH
0100-1930	DRILL F/ 677 T/ 716
0930-2000	TRIP FOT CEMENT
0000-2130	MIX & PUMP CEMENT. POH.
0130-2400	WOC.

MUD ADDITIVES	
PRODUCT	AMOUNT
CEMENT	10
GEL	29
PAPER	3
FIBER	3

DAILY MUD COST	220
ACC COST	4266

WELL COSTS	3,710
FORWARD	67,027
ACC COST	70,737
AFE. 299,050	
SUP. AFE	

OPERATIONS @ 0500 HRS. CONTRACTOR ACCIDENTS:
 YES NO

REMARKS

M.D.	ANGLE DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
							DEPTH
							MUD MTR HRS
							ACC MUD MTR HR
							MONEL NO.
							LENGTH

OP ON LOC., SIZE JTS SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR

CALIFORNIA ENERGY CO., INC.-DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 12 DATE 10/08/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 11 DRILLING DAYS 10 " LNR.
 DEPTH @ 2400 HRS. 636' FOOTAGE DRILLED 62
 ACCUM DRLG HRS. SINCE LAST INSP. BLODIE LN VLV#
 HRS. DRILLED 11.5 HRS. TRIPPED 3 HRS. REPAIR HRS. OTHER 9.5

=====

MUD WT. 8.6 VISC. 36 W.L. CK. 3.0 PH. 9.5 CHL. 600 YP 8 PV 10
 GELS 4/9 SAND 1/4 SOLIDS 1.4 %LOST CIRC. MTL. TEMP IN OUT

=====

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 4" 180 35
OPEN DP =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

=====

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
#03	HQ	LY	WP	L19973	OPEN	492		82	12	10	100	T B G
												T B G
												T B G

DRLG. ASSY. CB-13 JTS. HQ PIPE-63 JTS.
 STRING WT. 14,000 UP WT. DN WT. ROT TORQ.

24 HR SUMMARY:

0000-0630 DRLG F/574 TO 605
 0630-0730 TOOH PUT ON WASH PIPE
 0730-1030 RIH CIRCULATE MIX CMT)
 1030-1100 CEMENT TOOH/WOC
 1630-1900 TIH/CLEAN OUT F/575 TO 605
 1900-2400 DRLG F/605 TO/636'

MUD ADDITIVES	
PRODUCT	AMOUNT
DRISPAC	1
KWIK BEN	13
SODA ASH	1
TRONACARB	
MAGMAFIBER	
DAILY MUD COST	204
ACC COST	4,046
=====	
WELL COSTS	4,393
FORWARD	62,634
ACC COST	67,027
AFE.	\$ 299,050
SUP. AFE	

OPERATIONS @ 0500 HRS.

CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

=====

M.D. ANGLE DIR. T.V.D. V.SEC. N-S CORR. E-W CORR. D.L.S. TARGET
 DEPTH
 MUD MTR HRS
 ACC MUD MTR HR
 MONEL NO.
 LENGTH

DP ON LOC., SIZE HQ JTS 173 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR L. BRASSFIELD

CALIFORNIA ENERGY CO., INC. - DAILY DRILLING REPORT

WELL NO. TCH 48-11 4 1/2" CSG. 475'
 REPORT NO. 11 DATE 10/07/93 AFE NO. E48W113 " CSG.
 CONTRACTOR LONGYEAR RIG NO. 602 " CSG.
 RIG DAYS 10 DRILLING DAYS 09 " LNR.
 DEPTH @ 2400 HRS. 574' FOOTAGE DRILLED 82
 ACCUM DRLG HRS. SINCE LAST INSP. BLOOIE LN VLV#
 HRS. DRILLED 12 HRS. TRIPPED 2.5 HRS. REPAIR HRS. OTHER 9.5

MUD WT. 8.6 VISC. 36 W.L. CK. 3.0 PH. 9.5 CHL. 600 YP 8 PV 10
 BELS 4/9 SAND 1/4 SOLIDS 1.4 %LOST CIRC. MTL. TEMP IN OUT

PUMPS LINER STROKE SPM. GPM. PSI. TOTAL GPM NOZZLE VEL ANNULAR VEL
1 2 1/4 4" 180 35 OPEN DP =
 DC =

AIR COMPS. CFM PSI TEMP F. PRESSURE IN OUT
 CHEMICALS RATE

FORMATION DRILLED MUD COOLER YES NO NO.

BIT	SIZE	MAKE	TYPE	SER.#	JETS	IN	OUT	FT	HRS	WT	RPM	COND.
#03	HQ	LY	WP	L19973	OPEN	492		82	12	10	100	T B G
												T B G
												T B G

DRLG. ASSY. CB-13 JTS. HQ PIPE-58 JTS.
 STRING WT. 14,000 UP WT. DN WT. ROT TORQ.

24 HR SUMMARY: MUD ADDITIVES

PRODUCT	AMOUNT
DRISPAC	1
KWIK BEN	11
SODA ASH	1
TRONACARB	1
MAGMAFIBER	
DAILY MUD COST	272
ACC COST	3,842

WELL COSTS	4,662
FORWARD	57,972
ACC COST	62,634
AFE.	\$ 299,050
SUP. AFE	

OPERATIONS @ 0500 HRS. CONTRACTOR ACCIDENTS:
 YES NO X

REMARKS

M.D.	ANGLE	DIR.	T.V.D.	V.SEC.	N-S CORR.	E-W CORR.	D.L.S.	TARGET
								DEPTH
								MUD MTR HRS
								ACC MUD MTR HR
								MONEL NO.
								LENGTH

DP ON LOC., SIZE HQ JTS 82 SIZE JTS
 FUEL ON HAND USED REC'D DRLG. SUPERVISOR L. BRASSFIELD