STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER AND LAND DEVELOPMENT
P. O. BOX 373 • HONOLULU, HAWAII 96809

RECEIVED JAN 20 A9. DIV. OF W... LAND DE...

MESSAGE

TO Memo to The Record

DATE Jan 7, 1994

SUBJECT PGV Plant Shut Down -

In Doing Remedial Work to Leaking NCG Manifold - Found Tubing Walls too Thin to Do Seal Weld to Repair Leaks - Decision made After Contact With Hrco to Shut Down Plant to do Repairs to NCG Manifold - Replace Bad Section of Tubing As Well As Change Angle of Inlet to from 90° to 45° to Alleviate Cavitation Problem That Also Caused A Shut Down Back In November 27, 1993 - Notification Given By Phone At 9:00 P.M.

BY

REPLY

DATE

By Greg Davidson of PGV to Eric Tanaka of DLNR

SIGNED [signature]

Form N-R113 ® The Drawing Board, Inc., Box 505, Dallas, Texas

INSTRUCTIONS TO SENDER: 1. KEEP YELLOW COPY. 2. SEND WHITE AND PINK COPIES WITH CARBON INTACT.

INSTRUCTIONS TO RECEIVER: 1. WRITE REPLY. 2. DETACH STUB, KEEP PINK COPY, RETURN WHITE COPY TO

DIVISION OF WATER AND LAND DEVELOPMENT

Drawer 2
File 32

FROM: _____ DATE: 10/7 FILE IN: _____

TO:	INIT:		PLEASE:		REMARKS:
___	___	M. TAGOMORI	___	See Me	
___	___	L. Nanbu	___	Call	
___	GA	G. Akita	___	Review & Comment	
___	___	L. Chang	___	Take Action	
___	___	E. Lau	___	Investigate & Report	
___	___	A. Monden	___	Draft Reply	
___	HY	H. Young	___	Acknowledge Receipt	
___	___	T. Kam	___	Type Draft	
___	___	G. Miyashiro	___	Type Final	
___	___	D. Lee	___	Xerox ____ copies	
___	___	A. Yim	___	File	
___	JJ	Jon			
___	JW	Janet			
	MT	Mark			
			FOR YOUR:		
___	___	R. LOUI	___	Approval	
___	___	S. Kokubun	___	Signature	
			___	Information	

RECEIVED
93 OCT 5 A10: 47
DIV. OF WATER & LAND DEVELOPMENT

RECEIVED
93 OCT 4 A8: 46
DEPT. OF LAND & NATURAL RESOURCES STATE OF HAWAII

COUNTY OF HAWAII

[redacted]

GEOTHERMAL MORNING STATUS REPORT

DATE:October 4, 1993 LAST REPORT DATE: 10/1/93

TO: DISTRIBUTION (GOV. OFFICE, DOH, DLNR, DBEDT, CON)

FOR FURTHER INFORMATION: Call James K. Moulds at 961-8288

PUNA GEOTHERMAL VENTURE (PGV)

STATUS: Electrical generation continued smoothly over the weekend with well KS-10 producing between 22 and 25MW net. This morning at 0530hrs generation was at 24.7MW gross and 22.4MW net using 9 OEC units.

PGV plans to open well KS-9 to the systems this morning and expects the minor leaks now evident to seal themselves off as the well heats up and expands.

CONCERNS: PGV reported during the weekend, a few sporadic emissions of H2S that were evident in the surrounding community. Measured levels of H2S remained less than 10ppb at both the permanent monitoring stations and the portable monitors for these sporadic events. At 0800hrs this morning no H2S could be smelled in the surrounding areas.

PUNA GEOTHERMAL ENERGY COMPANY (PGEC)

STATUS: No change.

CONCERNS: None at this time.

REGULATORY AGENCIES (ACTIVITIES, CONCERNS)

D[illegible]ION OF WATER AND LAND DEVELOPM[illegible]T

FROM: [illegible] DATE: 10/3 FILE IN: Drawer 2 File #32

TO:	INIT:		PLEASE:	
___	___	M. TAGOMORI	___	See Me
___	___	L. Nanbu	___	Call
___	___	G. Akita	___	Review & Comment
___	___	L. Chang	___	Take Action
___	___	E. Lau	___	Investigate & Report
___	___	A. Monden	___	Draft Reply
___	___	H. Young	___	Acknowledge Receipt
___	___	T. Kam	___	Type Draft
___	___	G. Miyashiro	___	Type Final
___	___	D. Lee	___	Xerox ____ copies
___	___	A. Yim	___	File
___	___	Jon		
___	___	James		
		Mark		
			FOR YOUR:	
___	___	R. LOUI	___	Approval
___	___	S. Kokubun	___	Signature
			___	Information

REMARKS:

RECEIVED
93 OCT 1 AM 7:44
DIV. OF WATER & LAND DEVELOPMENT

COUNTY OF HAWAII

CONFIDENTIAL

GEOTHERMAL MORNING STATUS REPORT

DATE: October 1, 1993 **LAST REPORT DATE:** 9/30/93

TO: DISTRIBUTION (GOV. OFFICE, DOH, DLNR, DBEDT, COH)

FOR FURTHER INFORMATION: Call James E. Moulds at 961-8288

PUNA GEOTHERMAL VENTURE (PGV)

STATUS: Well KS-10 continues to supply 22 to 25MW net power to the Island grid. This morning at 0530hrs, production was at 24.3MW gross and 22.1MW net.

Repairs of the high pressure flange leaks in the piping near well KS-9 are continuing and are now expected to continue over the weekend. A modification of maintenance procedures has resulted in lower emissions into the community than similar work performed last weekend on KS-10.

CONCERNS: Station "D" in Lanipuna Gardens alarmed at 0415hrs this morning with a 5ppb reading. Roving monitor readings were as high as 6ppb in the area.

PUNA GEOTHERMAL ENERGY COMPANY (PGEC)

STATUS: No change.

CONCERNS: None at this time.

REGULATORY AGENCIES (ACTIVITIES, CONCERNS)

PUBLIC ACTIVITIES: BIRAC held a meeting last night in Pahoa to "document health effects" that area residents have been reporting which they attribute to emissions from PGV since last Friday night.

State of Hawaii
Department of Land and Natural Resources
Division of Water Resource Management

RECEIVED
93 MAR 9 A8:40
DIV. OF WATER & LAND DEVELOPMENT

CASING PRESSURE TEST

Instructions: Please print or type and send completed form with any attachments to Division of Water Resource Management, P.O. Box 373, Honolulu, Hawaii 96809.

Reference DLNR Regulations:

§13-183-76 (b) All casing strings shall be pressure tested after cementing and before commencing any other operations on the well. Minimum casing test pressure shall be approximately one-third of the manufacturer's rated minimal yield pressure; provided that the test pressure shall not be less than six hundred pounds per square inch and greater than 1500 pounds per square inch. In cases where combination strings are involved, the above test pressures shall apply to the lowest pressure-rated casing used. Test pressures shall be applied for a period of thirty minutes. If a drop of more than ten percent of the test pressure should occur, the casing or cement job shall be considered defective and corrective measures shall be taken before commencing any further operations on the well.

Casing Pressure Test:

1. Project name PGV
2. Drilling company Parker Drlg
3. Well name and number KS 10
4. Location Puna
5. Person(s) taking test C. Ward - Eric Tanaka
6. Date of test 2-27-93
7. Time of test 1130
8. Depth of hole 1030
9. Size of last casing string 20"
10. Depth to top of casing (Casing Lap) N/A
11. Depth to bottom of casing (Casing Shoe) 954
12.(a) Pressure at which casing tested (~~to Master Valve~~) ~~1250~~ 1250
    (b) Drop In Pressure to (after 30 minutes) 1175
13.(a) Pressure at which ~~Blind Rams~~ Drill tested 1250
    (b) Drop In Pressure to (after 30 minutes) 1175
14.(a) Pressure at which Pipe Rams tested N/A
    (b) Drop in pressure to (after 30 minutes) _____

Other Information: (use additional sheet, if necessary).

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

RECEIVED
93 MAR 9 A8:40
DIV. OF WATER & LAND DEVELOPMENT

DAILY REPORT

MAR 6, 1993

Well No. KS-10 Contractor PGN

DESCRIPTION OF ACTIVITIES

DRILLED TO A DEPTH OF 2057' - WITH 17½" BIT WITH FULL RETURN CIRCULATION - TD HOLE FOR 13⅜" CASING POINT - AT 2008' - TEMP IN - 120°F TEMP OUT - 129°F. AT 2008' - FORMATION - 20-40% HIGH ALTERED - 30-50% VES - 20-30% PORPHYRITIC

SURVEY - 1865' - 2½ DEG DEV TEMP - 142°F
1991' - 2¼ DEG DEV TEMP 139°F.

PLANS ARE TO RUN DIRECTIONAL SURVEYS WITH MONEL THEN RUN AND CEMENT 13⅜" CASING

Weather Rain

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 5, 1983

Well No. Ke-10 Contractor PCO

DESCRIPTION OF ACTIVITIES

At 9:55 A.M. DRILLING AT A DEPTH OF 1785'. WITH 17½" Bit - Temp IN - 123°F Temp out. 124°F. ROP. 16.9 FT Per HR. Full Returns Circulation.

Dev. Survey - 1371' - 1½ Deg. Dev. - Temp 125°F
1456' - 1¾ Deg. Dev. " 129°F
1655' 2 Deg. Dev. " 131°F
1752' 2 Deg. Dev. " 135°F

Weather RAINY

Submitted by Eric Cook

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 4, 19 93

Well No. KS-10 Contractor PCU

DESCRIPTION OF ACTIVITIES

At 11:45 Am. Drilling at a Depth of 1448' - With 17½" Bit - Temp In - 116°F - Temp out - 117°F. Full Return Circulation - Surveys At
1000' - 1¾ Deg. Dev. Temp - 114°F
1173' - 1¼ Deg. Dev. Temp - 118°F.

Weather Rainy

Submitted by [signature]

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 3, 19 93

Well No. KS-01 Contractor PW

DESCRIPTION OF ACTIVITIES

CONDUCTED SHOE TEST - HELD PRESSURE - OK - DISPLACED HOLE WITH MUD IN PREPARATION TO DRILL AHEAD WITH 17½" DRILL ASSEMBLY - DEPTH OF HOLE AT 1035' - AT 2:05 P.M. DRILLING AT 1068'. USED 17½" BIT AND FULL RETURN CIRCULATION

Weather RAIN

Submitted by Eric Oaks

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 2, 1993

Well No. K8-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

EM ANALYSIS OF THE LANDING 20" CASING - PUMPED DOWN 20" WIPER PLUG AND FOUND NO HOLE IN CASING - RE-COUNTED DRILL PIPE AND FOUND TO BE ONE OF THE SHOE AND LOST ZONE BELOW THE SHOE - PUMPED 2 CEMENT PLUGS TO CURE LOSS - WAITING ON CEMENT.

Weather CLOUD

Submitted by [signature]

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 1, 1993

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

PRESSURED OUT CEMENT TO 955'- CONDUCTED LEAKOFF TEST PRESSURED UP TO 1600PSI- DID NOT HOLD- FOUND WATER LEVEL IN CASING DROPPING- 20" CASING LEAKING- RUN WIPER PLUG TO FIND LEAK- FOUND LEAK AT 214'- PROBABLY PARTED COLLAR - PUMPED AND SQUEEZED CEMENT. WOC. CLEANED OUT CEMENT AND PRESSURE TESTED CASING- HOLE BROKE DOWN- NO TEST- PLANS TO PUMP AND SQUEEZE CEMENT AT LEAK

Weather Good

Submitted by Eric Tuhn

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

Feb 27, 1993

Well No. Ke-10 **Contractor** PCU

DESCRIPTION OF ACTIVITIES

Pressure Tested Upper and Lower Kelly Cocks to 1200 PSE - OK - Closed Bag (Annular preventer) and Pressure Tested Bop and Casing to 1280 PSE Surface Pressure - (1641 PSE Hydrostatic) - Held for 30 minutes - Lost to 1175 PSE - Test OK - Tagged Top of Cement at 912' (Float Collar) Circulated Hole and Displaced with Water & Commence Pressure Test

Weather Cool

Submitted by Eric Cook

Drawer 2
File # 32

DIVISION OF WATER AND LAND DEVELOPMENT

FROM: [signature] DATE: 4-8 FILE IN:

TO:	INIT:		PLEASE:	REMARKS:
___	___	M. TAGOMORI	___ See Me	
✓	___	L. Nanbu	___ Call	
___	[initials]	G. Akita	___ Review & Comment	
___	___	L. Chang	___ Take Action	
___	___	E. Lau	___ Investigate & Report	
✓	___	A. Monden	___ Draft Reply	
___	[initials]	H. Young	___ Acknowledge Receipt	
___	___	T. Kam	___ Type Draft	
___	___	G. Miyashiro	___ Type Final	
___	___	D. Lee	___ Xerox ___ copies	
___	___	A. Yim	___ File	
___	[initials]	Janet		
___	[initials]	Mark		
	[initials]	Jon Chris	FOR YOUR:	
___	___	R. LOUI	___ Approval	
___	___	S. Kokubun	___ Signature	
			✓ Information	

RECEIVED
93 APR 7 A 8:56
DIV. OF WATER &

Post-it™ brand fax transmittal memo 7671 | # of pages ▸

To Keith Ahue	From Steven Morris
Co. DLNR	Co. Puna Geothermal
Dept.	Phone # 528-5225
Fax # 587-0390	Fax # 524-9349

Date: April 6, 1993

FOR IMMEDIATE RELEASE

Contact: Steven E. Morris
528-5225

Title: PGV SUCCESSFULLY COMPLETES DRILLING AT KS-10

Puna Geothermal Venture ("PGV") has successfully completed the drilling of its KS-10 production well. The well was drilled to a depth of approximately 5,000 feet. Further tests will be required to quantify the productivity of the well.

According to Steven E. Morris, vice president and general manager of PGV, "KS-10 appears to be another substantial well. Indications are we have successfully encountered fractures in the geothermal reservoir similar to KS-9. Production from KS-10 and KS-9 should provide more than enough steam to operate our 25 megawatt power plant at full power.

The drilling of KS-10 went smoothly. The well encountered its target as planned. We are pleased with the outcome, and have a lot of confidence in our drilling team. KS-10 is the third consecutive successful well completion following injection well KS-4 and production well KS-9. Drilling results have matched almost identically with our reservoir models. These models are important in the long term management of the well field," Morris said.

Drilling activities are now focused on the plugging and abandonment of old wells that will not be used in the project. This work has been on-going and should be completed within about four to six weeks.

As for power plant start-up, Morris said, "a start-up schedule will be released soon."

# # #

RECEIVED
93 APR 6 P 1:3
DEPT. OF LAND & NATURAL RESOURCE
STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

RECEIVED
93 APR 13 A8:47
DIV. OF WATER & LAND DEVELOPMENT

DAILY REPORT

April 8, 1993

Well No. KS-10 Contractor PCV

DESCRIPTION OF ACTIVITIES

RIGGING DOWN DRILL RIG - WELLHEAD PRESSURE 38 PSI WITH WATER BEING PUMPED AT 2 BPM - WILL BE PUMPING NITROGEN TO DISPLACE WELLBORE TOMORROW

Weather Cloudy

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

April 7, 1993

Well No. KS-10 Contractor PGD

DESCRIPTION OF ACTIVITIES

WELL STAT IN - PUMPING WATER AT 6 BPM WITH WELLHEAD PRESSURE AT 48 PSI. - STANDBY TO RIG DOWN DRILL RIG IN PREPARATION TO MOVE TO KS-8

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

April 6, 1993

Well No. KS-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

Encountered Fracture At A Depth of 5026' - Lost Circulation - Drilled Blind To 5083' - Encountered Second Fracture - Pumped Over Balance Mud And Pulled Out Of Hole And Closed Master Valve - Displaced Mud With Water - Will Keep Water Going In Until They Displace Wellbore With Nitrogen - At 12:00 PM. Pumping Water At 8 BPM With Pump Pressure of 312 PSI And Wellhead Pressure 60 PSI - ~~Estimating True Vertical Depth of [illegible]~~ - Est. Res. Pressure of 2150 PSI Will Start To Rig Down Drill Rig Most Probably On Thursday -

Formation - 4990 - 5000 - 100% Porphyritic (Slightly Altered)
5000 - 5010 - 70% Aphanitic - 30% Porphyritic - Fresh
5010 - 5020 - 100% Porphyritic - (Slight - Moderate - Altered
5020 - 5083 - No Returns

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

APRIL 5, 1993

Well No. KS-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

At 12:10 P.M. DRILLING AT A DEPTH OF 4874' WITH 6" BIT - FULL RETURN CIRCULATION. Temp-In - 113°F Temp out 129°F - SLOW DRILLING - ROP - 10.9 FT/HR Dyke Like Rock.

Formation

4690 - 4710 - 20-40% APHANITIC - 60-80% PORPHYRITIC (SL ALTERED)

4710 - 4720 - 100% PORPHYRITIC (FRESH)

4720 - 4770 - 10-20% APHANITIC - 80-90% PORPHYRITIC - (FRESH)

4770 - 4780 100% PORPHYRITIC - (SL-ALTERED)

4780 - 4800 - 10-20% APHANITIC - 80-90% PORPHYRITIC (SL-ALTERED)

4800 - 4810' 20% Highly ALTERED - 20% APHANITIC - 60% PORPHYRITIC (FRESH - MOD ALTERED)

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

RECEIVED
93 APR 5 A9:32
DIV. OF WATER & LAND DEVELOPMENT

DAILY REPORT

April 2, 1993

Well No. KS-10 Contractor PW

DESCRIPTION OF ACTIVITIES

RAN AND CEMENTED 7" BOTTOM DOWN LINER WITH TOP OF LINER HANGER AT 3788' - AND SHOE AT 4082' - 10' OFF BOTTOM - PUMPED 200 CU. FT. BENTONITE CEMENT WITH 40% SSA - 1.0% CFR-3 AND .05% HALAD 22A - CEMENT IN PLACE AT 10:50 P.M. - RAN IN AND TAGGED TOP OF CEMENT AT 3511' - (GOOD CEMENT JOB) - WELL CLEANED OUT TO LINER BOTTOM - TEST LAP - CLEANED OUT LINER HANGER - TEST CASING - DRILL OUT SHOE - PERFORM LEAK-OFF - BEGAN DRILL AHEAD - WITH 6 1/8" BIT.

Weather Cloudy

Submitted by Eric Tuck

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

APRIL 1, 1993

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

WAITING ON TOOLS FOR 7" LINER. TOOLS WILL ARRIVE LATER TODAY TO RUN AND CEMENT 7" LINER LATER TONIGHT.

Weather GOOD

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 31, 19 83

Well No. KS-10 Contractor KCU

DESCRIPTION OF ACTIVITIES

During the NIGHT Circulated Hole - WAITING ON 7" CASING TOOLS to ARRIVE - ON SHORE CREW to 9 5/8" SHOE - At 4033' - TRIPPED BACK to BOTTOM WITH out Circulating - FOUND 1' of FILL ON BOTTOM AND took MRS - Bottom Hole Temperature of 298°F - (11 Hr static)

Formation

4430' - 4440 - 90% Highly Altered - 10% PORPHYRITIC

4440 - 4450' - 0-20% Hyaloclastite 0-20% Highly Altered 0-30% APHANITIC - 0-60% PORPHYRITIC 0-90% Vesicular

4450' - 4510 - 50-70% Clay - 0-10% Hyaloclastite 0-10% APHANITIC 20-40% PORPHYRITIC

4510 - 4580 - 0-70% Hyaloclastic 0-50% Highly Altered. 0-60% APHANITIC 10-100% PORPHYRITIC

4580 - 4690 - 0-90° Highly Altered 0-20% APHANITIC 10-100% PORPHYRITIC

Weather GOOD

Submitted by Eric Olsen

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 30, 1993

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

Drilled to a depth of 4693' with 8½" bit and full returns. In cutting saw indicators of cap rock on top of res. - planning to run 7" liner at this depth due to 80' clay zone at 4500' -

Survey - 4415' - 28½° Dev. E 205°F
4601' - 30¼° Dev. N-87-E 210°F

Formation -

4140 - 4320 Minor - 100% highly altered - 0-60% aphanitic
0-80% porphyritic

4320' - 4390' - 0-20% aphanitic 80-100% porphyritic

4390' - 4430' - 10-40% highly altered - 20% aphanitic -
40-70% porphyritic.

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 29, 1983

Well No. KS-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

Drilled to 4291' - with 8½" Bit and Return Circulation.
Tripped out of Hole for Bottom Hole Assembly Change -
To Lock up String - to Hold Deviation Angle and Direction -
Wheel out of Hole and Well Shut In - Well Head
Pressure Built up to 436° PSI - (Well Heating up) and
Stabalized -

Surveys - 4140' - 24° Dev - S-82-E - 212°F
4235' - 26½° Dev. S-88-E - 210°F

Formation.

4030'-4070' - 10-20% Highly Altered - 30-40% Aphanitic - 40-60% Porphyritic
4070' - 4090' - 30% Aphanitic - 70% Porphyritic
4090' - 4110' - 10% Highly Altered - 30-60% Aphanitic 30-60% Porphyritic
4110 - 4140' - 10-20% Aphanitic 80-90% Porphyritic

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 28, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

DRILLED OUT PLUG COLLAR AND RAN TO BOTTOM. CASING SHOE - DISPLACED HOLE - AND RAN PRESSURE TEST - PRESSURED UP TO 4350 PSI - (SURFACE PRESSURE - 3500 - HYDROSTATIC AT SHOE) HELD FOR 30 MINUTES. - HOLE HANGING UP - GOOD CASING PRESSURE TEST - PROCEED ON TO DRILL OUT SHOE AND PERFORM LEAK OFF TEST.

Weather GOOD

Submitted by Eric Tanke

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 27, 19 93

Well No. KB-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

BOPE AND WELLHEAD EQUIPMENT PRESSURE TEST - PRESSURED UP EXPANSION SPOOL AND MASTER VALVE WITH NITROGEN TO 2800 PSI. AND HELD FOR 30 MINUTES - NO LOSS. NIPPLED UP BRANCH OF BOPE STACK AND TO CLEANING OUT CEMENT IN THE BACK - THEN PERFORM PRESSURE TEST OF CASING AND BRANCH OF BOP EQUIPMENTS.

Weather Good

Submitted by Eric Tanaka

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

RECEIVED
93 MAR 29 A8:55
DIV. OF WATER & LAND DEVELOPMENT

DAILY REPORT

March 25, 1993

Well No. KS-10 Contractor PCW

DESCRIPTION OF ACTIVITIES

Cleaned out Lower Lap and Pressure Tested Lap to .9 Gradient - 1661 PSI Hydrostatic - 600 PSI Surface - Held for 30 Minutes - No Loss - OK. Plans are to Run 9 5/8" Tie Back to Surface - and Install Expansion Spool and Master Valve - Then to Run Gyro Survey After Completion of 9 5/8 Casing Job

Weather Good

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 24, 19 83

Well No. K8-10 Contractor PCJ

DESCRIPTION OF ACTIVITIES

Last night Ran 5 5/8 Liner - Total Consist of Liner 2187' - With Shoe At 4033' - Top of Liner Hanger At 1846' - Cement In Place At 8:30 A.M. Will Wait on Cement. Then Go In To Clean out Cement to Top of Liner Hanger. Dressed Top of Cement At 1656' - Approx 200' of Cement on Top of Liner Hanger Good Cement Job.

Weather Cloudy

Submitted by [signature]

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 23, 19 93

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

DRILLED TO A DEPTH OF 4037'- CALLED T.D. AT THIS DEPTH- WELL RAN 9 5/8" LINER AND CEMENT WITH 200' OVERLAP TO 13 3/8" CASING-

DEV. SURVEY - 3843' - 19° DEV. S-81-E 174°F.
3935' - 20 1/4° DEV S-81-E 180°F.

FORMATION.

3840'- 3920'- 0-10% CLAY 80-100% HIGHLY ALTERED 0-20% PORPHYRITIC

3920'- 3970'- 0-10% HYALOCLASTIC 40-100% HIGHLY ALTERED 0-30% PORPHYRITIC 0-60% VESICULAR

3970'- 4000'- 70-80% HIGHLY ALTERED 10-20% APHANITIC 0-10% PORPHYRITIC

Weather Good

Submitted by Eric Tanke

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 22, 1983

Well No. 12-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

Drilled to a depth of 4001' with 12¼" bit - Motor twisted off - Coming out of hole to pick-up fishing tools to go after fish - Both mud coolers on - Formation drilling in - Aphanitic and altered basalt - Fresh rock - Plans are to drill to approx 4300' to set 9 5/8" casing.

Surveys - 3254' - 9¼° dev - S-82-E - 150°F
3377' 11¼° S-83-E
3471' 13° S-81-E 168°F
3565' 14¾° S-83-E 168°F
3656' 16° S-83-E.
3749' - 17½° S-81-E 169°F.

Formation 3520'-3560' 10-60% Clay - 20-40% Highly Altered - 20-70% Porph
3560' - 3640' - 0-50% Highly Altered - 50-100% Porphyritic
3640 - 3760' - 0-30% Aphanitic 0-70% Highly Altered.
20-80% Porphyritic
3760 - 3830 - 0-20% Aphanitic 80-100% Porphyritic
3830 - 3840' 90% Highly Altered. - 10% Porphyritic

Weather Cloudy

Submitted by Eric Cahen

DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MARCH 19, 19 83

Well No. KS-10 Contractor PCW

DESCRIPTION OF ACTIVITIES

DRILLING AT A DEPTH OF 3264' WITH 12¼" BIT WITH FULL RETURN CIRCULATION - FORMATION - CLAY + VASICULAR - PORPHYRITIC BASALT -

SURVEY - 3054' 7° DEV. N-84-E 148°F

3158' 8½° DEV. S-83-E - 143°F.

Weather CLOUD

Submitted by

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P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

MAR 18, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

DRILLED TO A DEPTH OF 3104' - WITH MUD MOTOR FOR CORRECTIONAL WORK - PULLED OUT OF HOLE TO PICK-UP BOTTOM HOLE ASSEMBLY TO REAM DIRECTIONAL PORTION OF HOLE THEN DRILL 12¼" NEW HOLE - MAINTAINING MUD WEIGHT AT 10.8 PPG IN ANTICIPATION OF FORMATION THAT CONTAINS A CO_2 KICK IN KS-9 AT 3200' - FORMATION CLOSE TO KS-9 FORMATION WITH CLAYS IN CUTTINGS -

Weather GOOD

Submitted by Eric Tanaka

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DAILY REPORT

March 17, 1993

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

Drilled to 2949 ft w/ mud motor and bent sub to orient hole in desired direction. With full Return Circulation.
Deviation Surveys:
2726' 4¼ deg. dev. S27E Temp 153°F
2809 3¾ deg. dev. S32E Temp 152°F.
Drilling with 10.8 PPG mud in anticipation of CO_2 kick encountered in KS-9 at approx 2700'-

Weather Rain

Submitted by D. Thay

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P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

March 16, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

Drilled to 2800 ft., tripped out to pick up mud motor and bent sub to kick well to desired direction.

Directional Surveys: 2387' - 5¼° dev, S35E, Temp = 131°F
2481', 5¾° dev, S26E, Temp = 140°F
2575', 5¾° dev, S32E, Temp = 148°
2669', 4¾° dev, S27E.

Lithology:

2380 - 2530 0-100% porphoritic. 0-100% Vesicular
2530 - 2560 50% Highly altered, 0-20% Porphoritic
30-50% vesicular
2560 - 2610 0-40% Porphoritic, 60-100% Vesicular
2610 - 2780 0-10% Clay, 0-100% Porphoritic
0-100% vesicular
2780 - 2800 10-60% Clay, 10-40% Hyaloclastite
0-80% porphoritic

Weather good

Submitted by [signature]

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DAILY REPORT

March 15, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

At 12:25 pm drilling @ depth of 25-30' with 12 1/4" hole. Temp. in - 127°F, Temp out - 130°F.
Survey @ 2194' 2 deg dev., N5E 138°F
2223' 1 1/2 deg. dev, N70E 140°F
2254' 2 1/2 deg dev, E 118°F

Weather fair - some rain

Submitted by A. Flores

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Honolulu, Hawaii 96809

DAILY REPORT

MAR 15, 19 83

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

ON SUNDAY WHILE DRILLING AT DEPTH OF 2383'- DRILLER NOTICED LOST OF STRING WEIGHT AND PUMP PRESSURE - CIRCULATED HOLE AND TRIPPED OUT OF HOLE - FOUND STOCK SUB PARTED - FISH IN THE HOLE - 12¼" BIT - REAMER - MONEL - DRILL COLLAR - THREE POINT - PORTION OF STOCK SUB - TOTAL LENGTH 77' - TRIPPED BACK IN WITH OVER SHOT TO FISH - LATCHED ON TO FISH AND TRIPPED OUT OF HOLE - LAYED DOWN STOCK SUB - PICKED UP NEW DRILLING ASSEMBLY TO DRILL AHEAD - FOUND 2' OF FILL ON BOTTOM - AFTER FISHING COS

Weather GOOD

Submitted by [signature]

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DAILY REPORT

MAR 12, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

LAST NIGHT PLUMBED ANOTHER CEMENT PLUG. FOUND 13 3/8" SHOE CRACKED - WATERED ON CEMENT - CLEANED OUT CEMENT TO SHOE - CONDUCTED PRESSURE TEST - PRESSURE HELD - DO CONTINUE TO CLEAN OUT CEMENT TO 2180' - THEN DO DIRECTIONAL WORK TO DROP ANGLE - TO SOMEWHERE NEAR

Weather GOOD

Submitted by [signature]

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DAILY REPORT

Mar 11, 1993

Well No. KS-10 Contractor PGW

DESCRIPTION OF ACTIVITIES

Ground 12¼" Hole to A Depth of 2180' - Lossing Fluid At Approx 40 BBL Per Hour - Pumped 125 cu ft of Cement to Stabilize and Squeeze off Lost Zones - The Hole Started to Build Angle - Will Change Bottom Hole Assembly to Drop Angle In the Hole.

Surveys - 2105' - 3¼° Dev. N-4-W

2135 - 3½° Dev. N-2-W - 137°F Temp

Weather Good

Submitted by [signature]

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DAILY REPORT

Mar 10, 1993

Well No. KS-10.

Contractor PCU

DESCRIPTION OF ACTIVITIES

Conducted Leak off Test After Drilling out 13 3/8" Casing Shoe - Pressured up to 750 psi And Pressure Dropped Slowly - Tried To Get A Break-Down Rate - No Luck - Mixed And Pumped 50 Sks of Tail Cement And Pressured up on Plug to Squeeze - Got A Little Away - Will Wait on Cement Then Drill out And Drill New Hole.

Weather Rain

Submitted by [signature]

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DAILY REPORT

MAR 10, 1993

Well No. K8-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

COMPLETED NIPPLING UP B.O.P STACK AND CONDUCTED BOP PRESSURE TEST - CLOSED BLIND RAMS AND PRESSURED UP TO 2000 PSI - HELD FOR 30 MIN. - LOST 100 PSI - BLEED OFF PRESSURE AND FLOAT COLLAR - CLOSED PIPE RAMS TO TEST CASING AND PIPE RAMS - PRESS UP TO 2000 PSI HELD FOR 30 minutes - CHECK HCR VALVE AND CHOKE MANIFOLD - 0 PSI LOSS - CLOSED HYDRIL - PRESSURED UP TO 1000 PSI - HELD FOR 30 MINUTES - LOST 5 PSI - TEST OK. PROCEED ON TO DRILL OUT SILOR AND CONDUCT LEAK-OFF TEST -

Weather RAIN

Submitted by Eric Oakes

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DAILY REPORT

MAR 9, 1993

Well No. KA-10 Contractor PCW

DESCRIPTION OF ACTIVITIES

NIPPLING UP 13 3/8" BOP REQUIREMENT STACK DW PREPARATION FOR PRESSURE TEST AND DO STUFF DRILLING 12 1/4" HOLE FOR 9 5/8" CASING.

Weather RAIN

Submitted by Eric Oak

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DAILY REPORT

MAR 8, 1993

Well No. KS-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

RAN 13 3/8" CASING WITH SHOE AT 2049' - CEMENTED CASING IN PLACE - DURING CEMENT JOB LOST CIRCULATION - WHEN COMPLETED PUMPING - RAN IN WITH 1" AND TAGGED TOP OF CEMENT AT 212' - PERFORMED TOP JOB AND BROUGHT CEMENT TO SURFACE. INSTALLING 13 3/8" WELLHEAD, THEN WILL START NIPPLING UP BOP EQUIPMENT.

DIRECTIONAL SURVEYS.

1282' - 1 3/4 Deg. Dev. - N-75-E
1650' - 1 1/2 Deg. Dev. N-30-E
1833' - 2 3/4 Deg. Dev. N-5-E
1992' 2 1/2 Deg. Dev. N.

Weather RAIN

Submitted by [signature]

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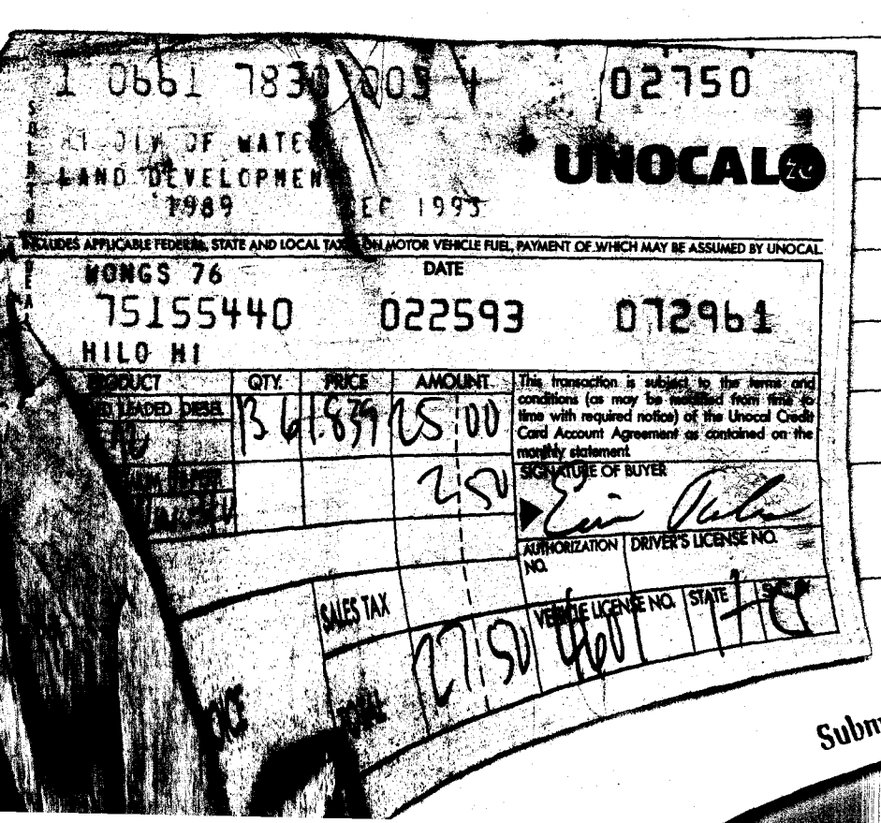
DAILY REPORT

FRIDAY 26, 1993

Well No. K8-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

COMPLETED TOP JOBS AND BROUGHT CEMENT TO SURFACE - NIPPLING UP 20" STACK IN PREPARATION FOR PRESSURE TEST.



1 0661 7830 003 4 02750

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PRODUCT	QTY.	PRICE	AMOUNT
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Submitted by Eric Tahn

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DAILY REPORT

FEB 24, 1983

Well No. KS-10 Contractor PCU

DESCRIPTION OF ACTIVITIES

WASHED OVER FISH THEN BACK IN WITH SCREW IN SUB AND SCREWED IN AND JARRED ON FISH - GOT LOOSE - PULLED OUT OF HOLE AND LAYED DOWN FISH - WENT BACK IN TO CLEAN OUT HOLE IN PREPARATION TO RUN 20" CASING WITH SHOE AT 1025' - KBH.

Weather GOOD

Submitted by Eric [illegible]

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P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

FEB 23, 1983

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

STILL FISHING -

Weather Goood

Submitted by Eric Conklin

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DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF WATER RESOURCE MANAGEMENT
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DAILY REPORT

FEB 22, 1993

Well No. Ks 10 Contractor PCU

DESCRIPTION OF ACTIVITIES

DRILLED to A Depth of 1030' - THEN WITH Bit At 998' BROKE circulation to ADD STIFF FOAM to CLEAN Hole - WHEN TRIED to Pull PIPE - FOUND to be Stuck - TRYING to TAR LOOSE String At this Time - MIGHT HAVE to START FISHING JOB.
Last SURVEY at 810' - 1½ Deg. Dev. - 93°F Temperature.

Weather RAIN

Submitted by Eric Palm

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Honolulu, Hawaii 96809

DAILY REPORT

FEB 21, 19 93

Well No. KS-CO Contractor PCO

DESCRIPTION OF ACTIVITIES

WAS ABLE TO DRILL ALL NIGHT - STOPPED DRILLING 26" HOLE AT 729' - AND BLEW HOLE CLEAN - WITH AIR - SET UP FOR WATER SAMPLE - TOOK TEMPERATURE OF SAMPLE AT 93°F - SAW AIR PRESSURE INCREASE AT APPROX 590' - INDICATION TOP OF WATER AT THAT LEVEL - LAST SURVEY AT 645' - 3/4 DEG. DEV.

FORMATION -

550' - 610' - 10-30% SCORIA - 50-80% VESICULAR - 10-30 PORPHYRITIC

620' - 640' - 10-40% SCORIA - 60-90% VESICULAR

650' - 680' - 10-30% SCORIA - 50-80% VESICULAR - 0-30% PORPHYRITIC

Weather RAIN

Submitted by [signature]

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DAILY REPORT

FEB 19, 1993

Well No. KS-1D / Contractor PCV

DESCRIPTION OF ACTIVITIES

At 3:00 P.M. DRILLING 26" HOLE AT A DEPTH OF 408' - WITH LOSS RETURNS.

280' - 20% SCORIA - 50% VESICULAR - 30% PORPHYRITIC

290' - NO RETURNS

300' - 20% SCORIA - 50% VESICULAR - 30% PORPHYRITIC

LOST YESTERDAY AFTERNOON LATER CIRCULATION ON TO TEST AND GOT ALL TOOLS OUT OF THE HOLE - CLEANED OUT MUD AND BACK IN TO CLEAN HOLE AND DRILL AHEAD - HAD TO SHUT DOWN LAST NIGHT DUE TO NOISE → LEVELS OVER PERMIT LEVELS.

Weather GOOD

Submitted by [signature]

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DAILY REPORT

FEB 18, 1993

Well No. KS-10 Contractor PCU

DESCRIPTION OF ACTIVITIES

DRILLED TO A Depth of 306' - WITH 26" BIT - THEN Twisted off At TOP END OF MONEL COLLAR TOTAL Length of FISH - 66' - FISHING FOR FISH - LAST SURVEY - At 177' - ½ Deg. DEV. - S-62-E DIRECTION - HAD TO SHUT DOWN LAST NIGHT - DUE TO READINGS OF 48 DIS.

Weather GOOD

Submitted by Eric Carlson

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DAILY REPORT

FEB 17, 1983

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

DRILLING 26" HOLE AT APPROX DEPTH OF 200' - HAD TO SHUT DOWN PUR TO NOISE LEVELS AT 47 DB.

Weather GOOD

Submitted by [signature]

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DAILY REPORT

FEB 16, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

30" CONDUCTOR SET AT 80' KBH - (53' FROM SURFACE)
PLANNING TO START DRILLING 26" HOLE FOR 20" CASING
THIS AFTERNOON - WITH COMPRESSED AIR AND STIFF FOAM

Weather GOOD

Submitted by [signature]

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93 FEB 16 A8:27
DIV. OF WATER & LAND DEVELOPMENT

DAILY REPORT

FEB 12, 1993

Well No. KS-10 Contractor PCW

DESCRIPTION OF ACTIVITIES

CEMENTED BACK TO SURFACE - PREPARING FOR REDRILL OF SIDETRACK

Weather Cloudy

Submitted by Eric Arthur

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Honolulu, Hawaii 96809

DAILY REPORT

FEB 11, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

Plugged Back to Surface with Cement and Commence Re-Drill - 21' Ctoc for Side Track Away From Lost 26" Bit at 206' Depth.

Weather Good

Submitted by

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DIVISION OF WATER RESOURCE MANAGEMENT
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DAILY REPORT

FEB 10, 19 93

Well No. KA 70 Contractor PCU

DESCRIPTION OF ACTIVITIES

Pitting For 20" BIO At Depth of 206'

Weather Rainy

Submitted by

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DIVISION OF WATER RESOURCE MANAGEMENT
P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

FEB 9, 1983

Well No. Ws-10 Contractor PCO

DESCRIPTION OF ACTIVITIES

FISHING FOR 24" BIT AT 206' DEPTH

Weather Warm

Submitted by

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DEPARTMENT OF LAND AND NATURAL RESOURCES
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P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

FEB 8, 19 83

Well No. KS-10 Contractor PCO

DESCRIPTION OF ACTIVITIES

CREW FISHING FOR 26" BIT AT 206' DEPTH.

Weather GOOD

Submitted by Eric Conklin

State of Hawaii
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P. O. Box 373
Honolulu, Hawaii 96809

DAILY REPORT

FEB 5, 19 93

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

FISHED OUT SECOND ROLLER - WENT BACK TO DRILLING 26" HOLE - TD 10:55 AM AT DEPTH OF 135' - WITH NO RETURN CIRCULATION - USING MUD MOTOR AND AIR.

Submitted by

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DAILY REPORT

FEB 4, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

RAN 30" CONDUCTOR TO A DEPTH OF 75' KBH GOT TIGHT - CEMENTED CASING IN PLACE WITH READY MIX CEMENT - DRILLED OUT CEMENT ON BOTTOM AND WENT FISHING FOR 2 CONES (roller cone from bit) LOST OFF OF 42" HOLE OPENER. GOT ONE WITH MAGNET AND PROBING FOR SECOND CONE CONE.

Weather GOOD

Submitted by [signature]

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DAILY REPORT

FEB 3, 1993

Well No. KS-10 Contractor PGO

DESCRIPTION OF ACTIVITIES

OPENNING UP HOLE TO 42" - TO TD 42" HOLE AT APPROX 91' - THEN RUN 30" CONDUCTOR WITH SHOE AT 81' KBH - LAST NIGHT HAD TO SHUT DOWN DUE TO NOISE READINGS ABOVE LIMITS - 47 DB - 50 DB - RESTARTED UP AT 7:00 A.M. THIS MORNING

Weather GOOD

Submitted by [signature]

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DAILY REPORT

Feb 2, 1983

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

DRILLED 26" HOLE to 98' THEN PICKED UP 42" HOLE OPENER to OPEN HOLE - PLANS ARE to SET 30" SHOE AT 81'- KBH.

Weather Good

Submitted by [signature]

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DAILY REPORT

FEB 1, 1993

Well No. KS-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

Completed Rigging up on Sunday 1-31-93 - and started operation to start drilling hole for conductor pipe - While making up drill bit on mud motor - Pin on Double Pin Sub broke on the mud motor - Had to send mud motor to machine shop to remove pins - While waiting for mud motor the crew will try to drill conventionally -

Weather Cloudy

Submitted by Eric Cahn

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DAILY REPORT

Jan 28, 19 93

Well No. KS-10 Contractor PGU

DESCRIPTION OF ACTIVITIES

Crew Rigging up Rig over Cellar - Est. Plans are to Spud on Sunday Jan 31, 1993 - With drilling for 30" Conductor Pipe and Also Rate Hole.

Weather Rainy

Submitted by [signature]

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DAILY REPORT

JAN 27, 1993

Well No. KS-10 Contractor PGJ

DESCRIPTION OF ACTIVITIES

STARTED TO RIG-UP.

Weather Good

Submitted by [signature]

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DAILY REPORT

May 26, 1983

Well No. KS-10 Contractor PW

DESCRIPTION OF ACTIVITIES

RIG OUT CELLAR AND PREPARING LOCATION FOR RIG TO MOVE - IN.

Weather Good

Submitted by

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Honolulu, Hawaii 96809

DAILY REPORT

JAN 25, 1983

Well No. K5-10 Contractor PGV

DESCRIPTION OF ACTIVITIES

PLANS ARE TO USE BIG DRILLING RIG - PARKER 231 TO DRILL DOWN 18" FOR CONDUCTOR PIPE AND ALSO RAT HOLE

Weather Good

Submitted by