

CONFIDENTIAL

Released to:

[Handwritten signature]
2-2-7

P
T
M

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

GEOHERMAL RESOURCE WELL

DESIGNATE TYPE OF COMPLETION:
 NEW WELL WORK OVER DEEPEN PLUG BACK SAME RESERVOIR DIFFERENT RESERVOIR DRY STEAM HOT WATER DRY

DESCRIPTION OF WELL AND LEASE
 OPERATOR: GEOHERMAL KINETICS INC
 ADDRESS: 301 WEST INDIAN SCHOOL RD. PHOENIX, ARIZONA
 FEDERAL, STATE OR INDIAN LEASE NUMBER OR NAME OF LESSOR: PIMA FARMS
 WELL NUMBER: #1 FIELD & RESERVOIR: WILDCAT
 LOCATION: C SE/SW, SEC 8-T7S-R8E COUNTY: PINAL

SEC. TWP-RANGE OR BLOCK & SURVEY: SEC 8 TWP 7S
 DATE SPUDDED: JUNE 26 1974 DATE TOTAL DEPTH REACHED: AUGUST 20 1974 DATE COMPLETED, READY TO PRODUCE:
 ELEVATION (DF, RKB, RT, OR GR.): 1809 FEET ELEVATION OF CASING HD. FLANGE: FEET
 TOTAL DEPTH: 8024 P.B.T.D. AIRDRILLED (INTERVAL) ENTIRELY FLUIDDRILLED (INTERVAL)

PRODUCING INTERVAL (S) FOR THIS COMPLETION: ROTARY TOOLS USED (INTERVAL) ENTIRELY CABLE TOOLS USED (INTERVAL)
 WAS THIS WELL DIRECTIONALLY DRILLED? NO WAS DIRECTIONAL SURVEY MADE? YES NO WAS COPY OF DIRECTIONAL SURVEY FILED? DATE FILED
 TYPE OF ELECTRICAL, TEMPERATURE, CEMENT BOND OR OTHER LOGS RUN (CHECK LOGS FILED WITH THE COMMISSION): SWN, SIMUL GR, BHC-ALC, TEMP, DIFL DATE FILED

CASING RECORD

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB./FT.)	DEPTH SET	SACKS CEMENT	AMT. PULLED
		<u>13 3/8</u>	<u>68</u>	<u>910'</u>	<u>850</u>	
		<u>9 5/8</u>	<u>1347.40 325B 47</u>	<u>5333</u>	<u>800</u>	

TUBING RECORD

SIZE IN.	DEPTH SET FT.	PACKER SET AT FT.	SIZE IN.	TOP FT.	BOTTOM FT.	SACKS CEMENT	SCREEN (FT.)
			<u>9 5/8</u>	<u>728</u>	<u>5333</u>	<u>800</u>	

PERFORATION RECORD

NUMBER PER FT.	SIZE & TYPE	DEPTH INTERVAL	ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD
			AMT. & KIND OF MATERIAL USED DEPTH INTERVAL

INITIAL PRODUCTION

DATE	STATIC TEST SHUT IN WELL HEAD		ANALYSES OF FLUIDS & GASES										
	TEMP. °F	PRES. PSIG.	TOTAL MASS FLOW DATA				SEPARATOR DATA						
			LBS./HR	TEMP. °F	PRES. PSIG.	ENTHALPY	ORIFICE	WATER CUFT./HR	STEAM LBS./HR	PRES. PSIG.	TEMP. °F		

CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE GEOLOGIST OF THE GEOHERMAL KINETICS INC. (COMPANY), AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT; AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.
 DATE: 26 August 1974 SIGNATURE: [Signature]

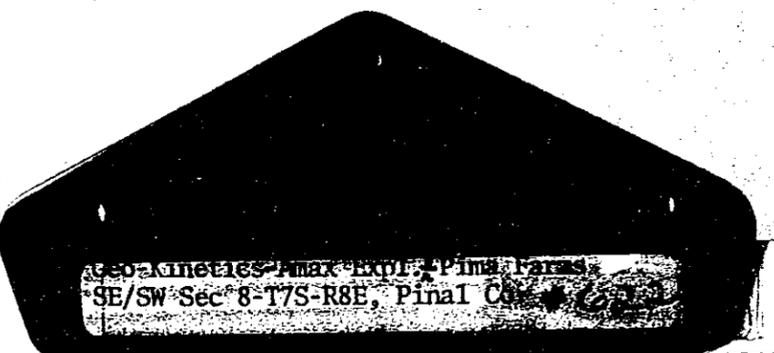
RECEIVED

AUG 29 1974
 O & G CONS. COMM.
 PERMIT NO. 622

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG
 FILE ONE COPY
 FORM NO. G-4

(COMPLETE REVERSE SIDE)

Note: Per telephone conversation with Mike O'Donnell, we are today (2-2-76) releasing information from confidential.
W. Allen



Geo-Kinetics - Pima Exp. - Pima Farms
 SE/SW Sec 8-T7S-R8E, Pinal Co. AZ

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG											
GEOHERMAL RESOURCE WELL											
DESIGNATE TYPE OF COMPLETION:											
NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	SAME RESERVOIR <input type="checkbox"/>	DIFFERENT RESERVOIR <input type="checkbox"/>	DRY STEAM <input type="checkbox"/>	HOT WATER <input type="checkbox"/>	DRY <input type="checkbox"/>			
DESCRIPTION OF WELL AND LEASE											
OPERATOR GEOHERMAL KINETICS INC						ADDRESS 301 WEST INDIAN SCHOOL RD. PHOENIX, ARIZONA					
FEDERAL, STATE OR INDIAN LEASE NUMBER OR NAME OF LESSOR IF FEE LEASE PIMA FARMS						WELL NUMBER FIELD & RESERVOIR #1 WILDCAT					
LOCATION C SE/SW, SEC 8-T7S-R8E						COUNTY PINAL					
SEC. TWP-RANGE OR BLOCK & SURVEY SEC 8 TWP 7S											
DATE SPUNDED JUNE 26 1974		DATE TOTAL DEPTH REACHED AUGUST 20 1974		DATE COMPLETED, READY TO PRODUCE		ELEVATION (OF REB) AT OR GR.) 1409 FEET		ELEVATION OF CASING HD. FLANGE FEET			
TOTAL DEPTH 8024		P.H.T.D.		AIRDRIILLED (INTERVAL) ENTIRELY				FLUIDDRIILLED (INTERVAL)			
PRODUCING INTERVAL (S) FOR THIS COMPLETION						ROTARY TOOLS USED (INTERVAL) ENTIRELY			CABLE TOOLS USED (INTERVAL)		
WAS THIS WELL DIRECTIONALLY DRILLED? No		WAS DIRECTIONAL SURVEY MADE? Yes No		WAS COPY OF DIRECTIONAL SURVEY FILED?		DATE FILED					
TYPE OF ELECTRICAL, TEMPERATURE, CEMENT BOND OR OTHER LOGS RUN (CHECK LOGS FILED WITH THE COMMISSION) SWN, SIMUL GR, BHC-ALC, TEMP, DIFL						DATE FILED					
CASING RECORD											
CASING (REPORT ALL STRINGS SET IN WELL-CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)											
PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB./FT.)	DEPTH SET	SACKS CEMENT	AMT. PULLED					
		13 7/8	68	910'	850						
		9 5/8	1347' 40" 32SB 47"	5333	800						
TUBING RECORD				LINER RECORD							
SIZE IN.	DEPTH SET FT.	PACKER SET AT FT.	SIZE IN.	TOP FT.	BOTTOM FT.	SACKS CEMENT	SCREEN (FT.)				
			9 5/8	728	5333	800					
PERFORATION RECORD				ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD							
NUMBER PER FT.	SIZE & TYPE	DEPTH INTERVAL		AMT. & KIND OF MATERIAL USED				DEPTH INTERVAL			
INITIAL PRODUCTION											
DATE	STATIC TEST SHUT IN WELL HEAD		ANALYSES OF FLUIDS & GASES						SEPARATOR DATA		
			TOTAL MASS FLOW DATA								
	TEMP. °F	PRES. PSIG.	LBS./HR	TEMP. °F	PRES. PSIG.	ENTHALPY	ORIFICE	WATER CUFT/HR	STEAM LBS/HR	PRES. PSIG.	TEMP. °F
CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE <u>GEOLOGIST</u> OF THE <u>GEOHERMAL KINETICS INC.</u> (COMPANY), AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT; AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE. DATE <u>26 August 1974</u> SIGNATURE <u>[Signature]</u>											
RECEIVED						STATE OF ARIZONA					
AUG 29 1974						OIL & GAS CONSERVATION COMMISSION					
O & G CONS. COMM.						WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG					
PERMIT NO. <u>622</u>						FILE ONE COPY					
						FORM No. G-4					

RECEIVED

MAY 16 1976

O & G CONS. COMM.

TO: Oil and Gas Conservation Commission
State of Arizona

This is to advise you that I accept the abandoned wildcat well, known as the
Pima Farms Inc. #1 located on the C SE SW 1/4-1/4
of Section 8 Township 7-S Range 8-E, County of Pinal
Arizona, as a water well to be used for domestic purposes.

Further, I accept full responsibility for the proper maintenance and use of
the above well, including final plugging, in full compliance with the Rules
and Regulations adopted by the Oil and Gas Conservation Commission.

I understand that I am responsible for compliance with the provisions of the
State Water Code, Chapter 1, Title 45, Arizona Revised Statutes and with any
applicable requirements of U.S. Geological Survey.

Signature Bruce K. Wong Sr
Address P.O. Box 217
Mesa, Az 85238

State of ARIZONA
County of PINAL

On this, the 15th day of MAY, 1976, before me, _____
_____, the undersigned officer, personally appeared

Bruce K. Wong Sr, known to me (or satisfactorily proven)
to be the person whose name is subscribed to the within instrument and ack-
nowledged that Bruce K. Wong Sr executed the same for the
purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Notary Public Jack H. Johnson
My Commission expires _____ My Commission Expires July 27, 1978

RECEIVED RECEIVED
MAY 16 1976 MAY 16 1976
O & G CONS. COMM. O & G CONS. COMM.

State of Arizona
OIL & GAS CONSERVATION COMMISSION
WATER WELL ACCEPTANCE
Form 26 - File one copy

Permit No. 622

WV

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator GEOTHERMAL KINETICS INC. - AMAX EXPLORATION INC.
 2. OIL WELL GAS WELL OTHER (Specify) GEOTHERMAL WELL
 3. Well Name PIMA FARMS No. 1.
 Location PINAL Co. ARIZONA C SE/SW, SEC 8-T7S-R8E
 Sec. 8 Twp. 7S Rge. 8E County PINAL Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease _____

5. Field or Pool Name WILDCAT

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____	ABANDONMENT <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SET SURFACE CASING TO 910 FT - 13 3/8"
 CEMENTED SAID CASING 850 SACKS 50% POS MIX
 JOB COMPLETED 8:30 AM JUNE 29, 1974

RECEIVED
 JUL 20 1974
 O & G CON. COMM.

8. I hereby certify that the foregoing is true and correct.

Signed Richard S. Rumbold Title GEOLOGIST Date JULY 4 1974

Permit No. 622

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

COUNTY Pinal AREA 4 mi. NE of Eloy, AZ LEASE NO. Pima Farms, Inc.

WELL NAME GEO THERMAL KINETICS, INC. - AMAX EXPLORATION INC. 1/4 PIMA FARMS, INC.

LOCATION SE/SW (Center) SEC 8 TWP 7S RANGE 8E FOOTAGE 1980 E & 660 N SW/cor
 ELEV 1509 GR 1529 KB 1529 SPUD DATE 6-26-74 STATUS testing TOTAL DEPTH 8024
 1509 appears w/ Eloy on 7 1/2 N. of Eloy, KB, 20' to 60' GL
 CONTRACTOR Geo Drilling Co., Inc.

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
13 3/8"	910	850 sks		<input checked="" type="checkbox"/>
9 5/8"	5333	800 sks (two stage)*		<input type="checkbox"/>

DRILLED BY CABLE TOOL
 PRODUCTIVE RESERVOIR
 INITIAL PRODUCTION

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Alluvium	0-2500		x	
Salt	2500-2945			
Anhydrite	2945-3192			
Clay & Sand	3192-5861			
Fanglomerate	5861-7177			Metamorphics detritus
Pre-Camb Metas	7177-8024			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
2 mud logs; 1 sensilog 2 Dual Ind; 2 Sidewall Neutron; 2 BHC Acostilog <u>Ann-strat.</u>			SAMPLE DESCRP. SAMPLE NO. <u>1747</u> CORE ANALYSIS DSTs

REMARKS Per telephone conversation with Mike O'Donnell on 2-2-76
information released from confidential status.
Hydro-Chemical study in log file.

WATER WELL ACCEPTED BY BRUCE K. WONG, Sr. (PIMA FARMS, INC.)

BOND CO. Reliance Insurance Company BOND NO. B 81 13 73
 BOND AMT. \$ 5,000 CANCELLED 3-8-77 DATE 1-3-73
 FILING RECEIPT 90 LOC. PLAT x WELL BOOK x PLAT BOOK x
 API NO. 02-021-20003 DATE ISSUED 6-04-74 DEDICATION SE/4 Sec 8

PERMIT NUMBER 622
 (over) **CONFIDENTIAL**
 Release Date 2-2-76

DRILL STEM TEST

NO.	FROM	TO	RESULTS
1	5194	8024	IFP 1745, FFP 1982, SIP 1982, HHP 2176

CORE RECORD

NO.	FROM	TO	RECOVERY	REMARKS
1	7700	7714	None	

REMEDIAL HISTORY

DATE STARTED - COMPLETED	WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

*Cement for 9 5/8" csg. 50-50 Pezmix w/30% Silica Flour. Top of Cement 758

SUNDRY NOTICES AND REPORTS ON WELLS
GEOHERMAL RESOURCES

1. NAME OF OPERATOR GEOHERMAL KINETICS INC

2. GEOHERMAL RESOURCES WELL OTHER (Specify) _____

3. WELL NAME PIMA FARMS #1

LOCATION CSE/ SW, SEC 8 - T7S - R8E

SEC. 8 TWP. 7S RGE. 8E COUNTY PINAL ARIZONA.

4. FEDERAL, STATE OR INDIAN LEASE NUMBER, OR LESSOR'S NAME IF FEE LEASE. _____

5. FIELD OR POOL NAME. WILDCAT

6. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>D.S.T.</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

AUGUST 23 1974 D.S.T. #1 5194 TO 8024

TOOL OPEN 1 hr 35 min.
SHUT IN 1 hr.
OPENED W/ STRONG BLOW
DEAD IN 23 min.

CHART #1 @ 5171

I.F.P. 1745
F.F.P. 1982
S.I.P. 1982
H.H.P. 2176

CHART #2 @ 5175

I.F.P. 1778
F.F.P. 1993
S.I.P. 1993
H.H.P. 2206

TEMP. 236

8. I hereby certify that the foregoing is true and correct.

Signed [Signature] Title GEOLOGIST Date 26 AUG. 1974

RECEIVED

AUG 29 1974

Permit No. 622

O & G CONS. COMM.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Sundry Notices and Reports on Wells

File Two Copies

Form No. G-12

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator GEO DRILLING INC
 2. Oil Well Gas Well Other (Specify) GEOTHERMAL
 3. Well Name PMA FARMS # 1
 Location PINAL COUNTY
 Sec. 8 Twp. 7W Rge. 409 County PINAL Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease:

5. Field or Pool Name WILDCAT

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:					
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER)	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SET 9 5/8 CASING
 TOP @ 728' | CEMENTED ^{BOTTOM} w/ 500 SKS 50-50 POS MIX 30% SILICA FLOUR
 BOTTOM 5333' | 3/10% HR 7 JOB COMPLETED @ 10:30 AM AUGUST 2, 1974
 TOP CASING w/ 300 SKS 50-50 POS MIX 30%
 SILICA FLOUR JOB COMPLETED @ 5:15 PM AUGUST 3rd 1974

8. I hereby certify that the foregoing is true and correct.

Signed Robert C. Dunslop Title GEOLOGIST Date AUGUST 18, 1974

Permit No. 622

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25

August 1, 1974

Memo to file: Geothermal Kinetics - Amax Exploration, Inc.
Pima Farms Inc. Well No. 1
Sec 8-T7S-R8E, Permit #622, Pinal County

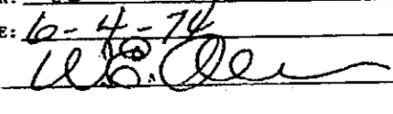
Memo from: W. E. Allen, Director, Enforcement Section

The above hole had reached a total depth of 5861' driller depth, 5880' logging depth. According to a temperature log run by Dresser Atlas the maximum BHT was 273 F. The first temperature log ran some 24-36 hours previously recorded a maximum temperature of 150 F.

According to Bert McComack, there is a salt section in this hole at approximately 480'. The salt was first encountered at 2300'. The base of the salt section is 2780'.

Preparations were being made following the logging to run 9 5/8" casing to 5351'.

5/20/76 - Allen says no temperature survey was run in this hole, but that this was a max. BHT he observed on one of the runs during the later logging period. Possible typo between this observation and the 224° recorded in the log file? C2 →

APPLIC. FOR PERMIT TO DRILL & RE-ENTER GEOHERMAL RESOURCES WELL		
APPLICATION TO DRILL <input checked="" type="checkbox"/>		RE-ENTER OLD WELL <input type="checkbox"/>
NAME OF COMPANY OR OPERATOR Geothermal Kinetics Inc. - Amax Exploration Inc.		
ADDRESS 301 West Indian School Road #A117 Phoenix Arizona 85013		
DRILLING CONTRACTOR Geo Drilling Inc.		
ADDRESS 301 West Indian School Road #117A Phoenix, Arizona 85013		
DESCRIPTION OF WELL AND LEASE		
FEDERAL, STATE OR INDIAN LEASE NUMBER, OR IF FEE LEASE, NAME OF LESSOR Pima Farms Inc.	WELL NUMBER 1	ELEVATION (GROUND) 1509
NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 660 FEET	DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING COMPLETED OR APPLIED-FOR WELL ON THE SAME LEASE: -0- FEET	
NUMBER OF ACRES IN LEASE: 2400	NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL COMPLETED IN OR DRILLING TO THIS RESERVOIR: none	
IF LEASE, PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED: -0-		
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1980' E & 660' N SW Cor Sec. 8	SECTION-TOWNSHIP-RANGE OR BLOCK AND SURVEY C. SE 1/4 SW 1/4 Sec. 8 T 7S R 8E	DEDICATION (COMPLY WITH RULE G-105) SE 1/4 Sec. 8
FIELD AND RESERVOIR (IF WILDCAT, SO STATE) Wildcat	COUNTY Pinal	
DISTANCE, IN MILES, AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 4 miles NE of Eloy, Arizona		
PROPOSED DEPTH: 7500	ROTARY OR CABLE TOOLS Rotary	APPROX. DATE WORK WILL START June 10, 1974
BOND STATUS AMOUNT \$5000 attached	ORGANIZATION REPORT ON FILE <input checked="" type="checkbox"/> OR ATTACHED	FILING FEE OF \$25.00 ATTACHED <input checked="" type="checkbox"/>
REMARKS: We have shown the SE 1/4 of Section 8, T. 7S, R. 8E dedicated to the well and after completion it might be desirable, based upon the information obtained, to adjust the dedication either up or down. (TIGHT HOLE)		
CERTIFICATE: I, THE UNDERSIGNED, UNDER THE PENALTY OF PERJURY, STATE THAT I AM THE <u>Vice President</u> OF THE <u>Geothermal Kinetics Inc.</u> (COMPANY). AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT; AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.		
 SIGNATURE		
May 30, 1974 DATE		
PERMIT NUMBER: <u>622</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION APPLICATION TO DRILL OR RE-ENTER FILE TWO COPIES FORM NO. G-3	
APPROVAL DATE: <u>6-4-74</u>		
APPROVED BY: 		
NOTICE: BEFORE SENDING IN THIS FORM BE SURE THAT YOU HAVE GIVEN ALL INFORMATION REQUESTED. MUCH UNNECESSARY CORRESPONDENCE WILL THUS BE AVOIDED.		

(COMPLETE REVERSE SIDE)

1. OPERATOR SHALL OUTLINE THE DEDICATED ACREAGE FOR GEOTHERMAL RESOURCES WELLS ON THE PLAT.
2. A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA OR APPROVED BY THE COMMISSION SHALL SHOW ON THE PLAT THE LOCATION OF THE WELL AND CERTIFY THIS INFORMATION IN THE SPACE PROVIDED.
3. ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.
4. IS THE OPERATOR THE ONLY OWNER IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES NO
5. IF THE ANSWER TO QUESTION FOUR IS "NO" HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES NO IF ANSWER IS "YES" TYPE OF CONSOLIDATION _____
6. IF THE ANSWER TO QUESTION FOUR IS "NO", LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:

Owner Pima Farms Inc.	Land Description SE 1/4 SW 1/4 Sec. 8, T. 7S, R. 8E of the G&SRB&M, Pinal County, Arizona
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: center;"><i>Mike D. Donnell</i></p> <p>Name Vice President Position Geothermal Kinetics Inc. Company May 30, 1974 Date</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed May 31 1974 Registered Professional Engineer and/or Land Surveyor <i>George C. Blount PE</i> Certificate No. 1000 PE 4519 RLS</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13 3/8	68#	Armco	0	900	0-900	1000
9 5/8	47#	A C	750'	5000'	750 - 5000'	1500



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: GEO THERMAL KINETICS INC. - AMAX EXPLORATION INC.
(OPERATOR)

to drill a well to be known as
PIMA FARMS INC. #1

(WELL NAME)
C SE/ SW, Sec 8-T7S-R8E

located
Section 8 Township 7S Range 8E, Pinal County, Arizona.

The SE/4 of Section 8 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 31st day of May, 1974.

OIL AND GAS CONSERVATION COMMISSION

By W.B. [Signature]
EXECUTIVE SECRETARY

PERMIT N^o 622

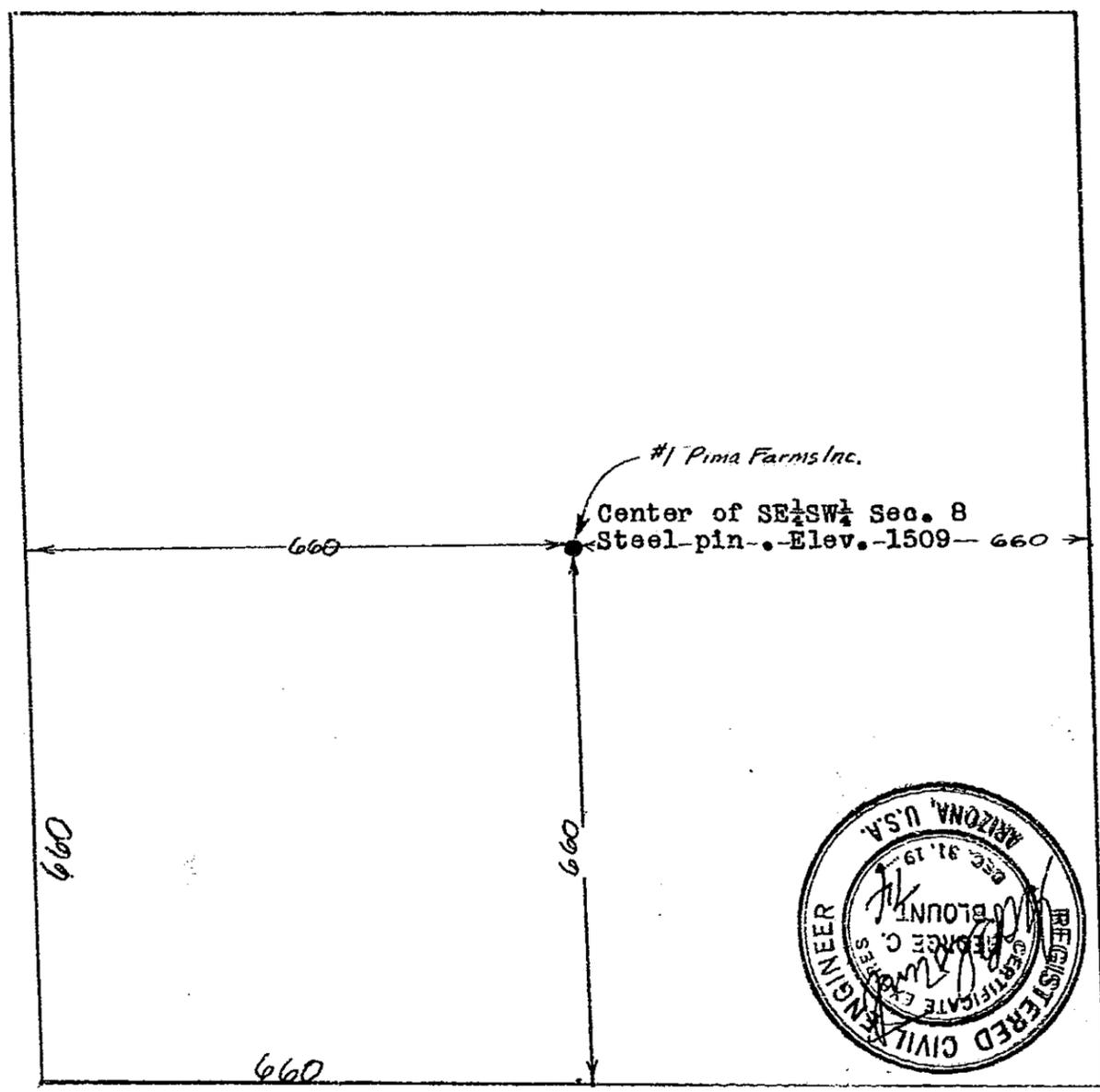
RECEIPT NO. 90
SAMPLES ARE REQUIRED

API NO. 02-021-20003

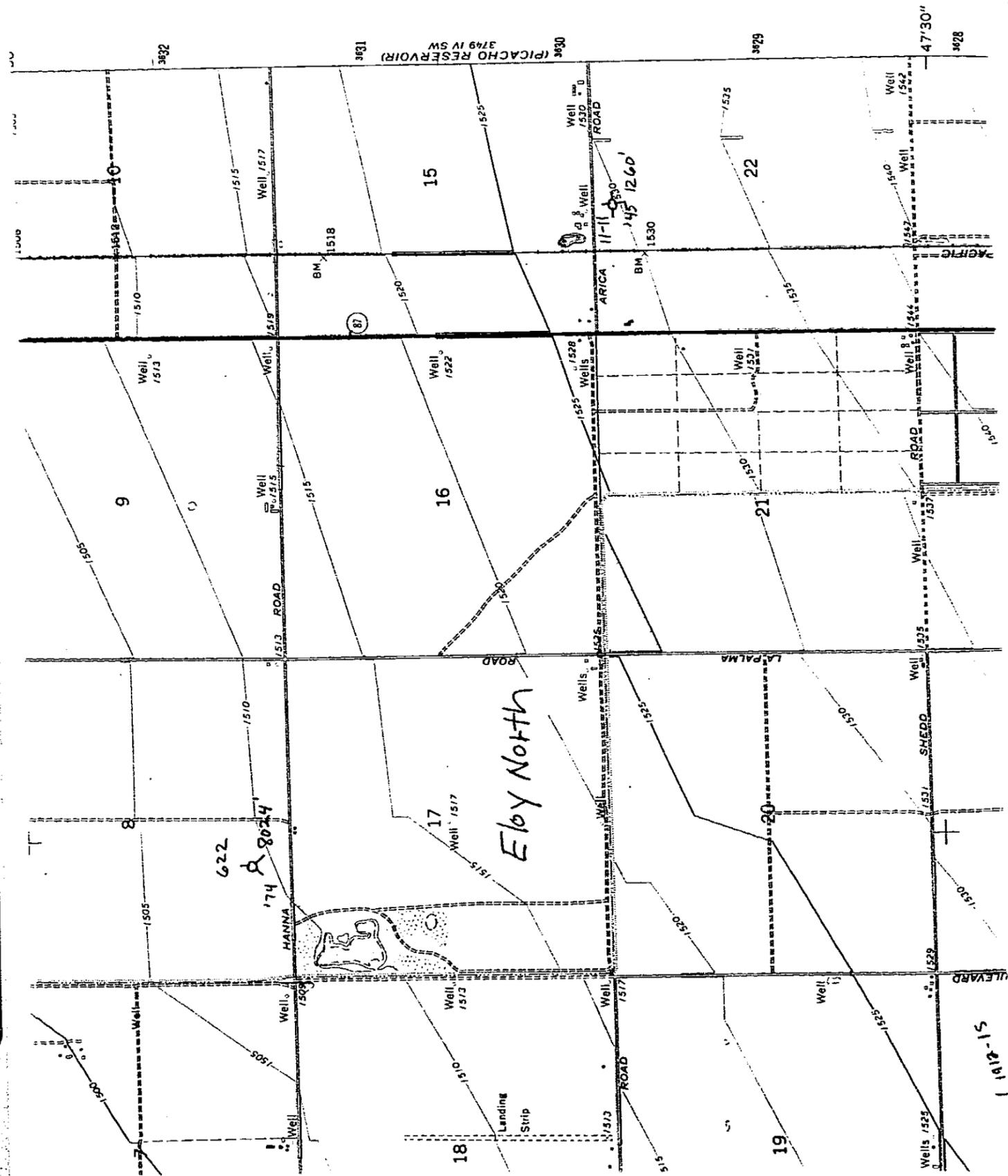
State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

BERT MCCOMACK, GEOTHERMAL KINETICS, PHOENIX, ARIZONA
LOCATION OF PROPOSED GEOTHERMAL WELL AT CENTER OF SE $\frac{1}{4}$ SW $\frac{1}{4}$
OF SECTION 8, T7S, R8E OF S&SRBXN, MARICOPA COUNTY, ARIZONA



#622



(PICACHO RESERVOIR) 3749 1/4 SW 3930

Eloy North

622

74

11-11 45 1260

1912-15



PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. B 81 13 73

That we: GEOTHERMAL KINETICS SYSTEMS CORP.

of the County of MARICOPA in the State of ARIZONA

as principal, and RELIANCE INSURANCE COMPANY

of PHILADELPHIA, PENNSYLVANIA

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of FIVE THOUSAND DOLLARS AND NO/100 (\$5,000.00) lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation are that, whereas the above bounden principal proposes to drill a well or wells for a Geothermal Resource or stratigraphic purposes in and upon the following described land situated within the State, to-wit:

C. SE 1/4 SW 1/4 Sec. 8, T. 7 S., R. 8 E. PIMA FARMS, INC. #1, PIMA FARMS, PINAL COUNTY, CASA GRANDE, ARIZONA

(May be used as blanket bond or for single well)

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the Commission, especially with reference to the requirements of A.R.S. § 27-652, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil and Gas Conservation Commission all notices and records required by said Commission, then in the event said well or wells do not produce Geothermal Resources in commercial quantities, or cease to produce a Geothermal Resource in commercial quantities, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

- 1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals, this 30TH day of MAY, 1974

GEOTHERMAL KINETICS SYSTEMS CORP.

Handwritten signature of Principal: Secretary and Treasurer

Principal

WITNESS our hands and seals this 30th day of May, 1974

RELIANCE INSURANCE COMPANY

Handwritten signature of Surety: Susan D. O'Brien

SUSAN D. O'BRIEN - ATTORNEY-IN-FACT

Surety, Resident Arizona Agent (If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date: 6-24-74
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: W.B. Allen

Permit No. 672

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
CANCELLED
Form No. G-2

DATE 3-8-77

RELIANCE INSURANCE COMPANY

ADMINISTRATIVE OFFICES, TACOMA, WASHINGTON

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, That the RELIANCE INSURANCE COMPANY, a corporation duly organized under the laws of the State of Pennsylvania, does hereby make, constitute and appoint

A. PARK SHAW or SUSAN D. O'BRIEN of PHOENIX, ARIZONA-----

its true and lawful Attorney-in-fact, to make execute, seal and deliver for and on its behalf, and as its act and deed

ANY AND ALL BONDS AND UNDERTAKINGS OF SURETYSHIP-----

and to bind the RELIANCE INSURANCE COMPANY thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the RELIANCE INSURANCE COMPANY and sealed and attested by one other of such officers, and hereby ratifies and confirms all that its said Attorney(s)-in-fact may do in pursuance hereof.

This Power of Attorney is granted under and by authority of Article VII of the By-Laws of RELIANCE INSURANCE COMPANY which became effective May 11, 1962, which provisions are now in full force and effect, reading as follows:

ARTICLE VII - Execution of Bonds and Undertakings

SECTION 1 The Board of Directors, the President, or any Vice-President or Assistant Vice-President shall have power and authority to: (a) appoint Attorneys-in-fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney-in-fact at any time and revoke the power and authority given to him.

SECTION 2 Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power of attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under and by authority of the following Resolution adopted by the Board of Directors of RELIANCE INSURANCE COMPANY at a meeting held on the 8th day of May, 1959, at which a quorum was present, and said Resolution has not been amended or repealed:

"Resolved, that the signatures of such directors and officers and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached."

IN WITNESS WHEREOF, the RELIANCE INSURANCE COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereto affixed, this 3rd day of April, 1974.

CANCELLED

RELIANCE INSURANCE COMPANY



Morris E. Brown
Vice-President

STATE OF Washington
COUNTY OF Pierce } ss.

On this 3rd day of April, 1974, personally appeared

MORRIS E. BROWN

_____ to me known to be the Vice-President of the RELIANCE INSURANCE COMPANY, and acknowledged that he executed and attested the foregoing instrument and affixed the seal of said corporation thereto, and that Article VII Section 1 and 2 of the By-Laws of said Company, set forth therein, is still in full force.

My Commission Expires.

January 15, 1978



Bertha M. Barozar
Notary Public in and for State of Washington

Residing at Tacoma

I, D. Keith Johnson, Assistant Secretary of the RELIANCE INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by said RELIANCE INSURANCE COMPANY, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company this 30th day of May, 1974.



D. Keith Johnson
Assistant Secretary

March 7, 1977

Mr. Dent N. Hand
Geothermal Kinectics, Inc.
301 W. Indian School Road
Phoenix, Arizona 85013

Re: Performance Bond No. B 81 13 73
Geothermal Kinectics, Inc.
Amax Exploration, Inc.
Pima Farms No. 1

Dear Mr. Hand:

Since your company has complied with all the rules and regulations of this Commission on the above-referred well, this letter constitutes the Commission's authorization for the release of the subject bond.

The Powers Ranch No. 1 and No. 2 cannot be released until such time as these two wells are plugged and abandoned.

Very truly yours,

William E. Allen
Director,
Enforcement Section

WEA/vb

We are enclosing an extra copy of this letter for your insurance carrier as we do not have an address for same.

627

February 23, 1977

RECEIVED
FEB 25 1977
O & G CONS. COMM.

State of Arizona
Oil & Gas Conservation Commission
8686 North Central Avenue
Phoenix, Arizona 85020

Gentlemen:

We have on file with you the following performance bonds in connection with geothermal tests which have been drilled in Arizona.

<u>Bond #</u>	<u>Date</u>	<u>Property Covered</u>	<u>Principal Sum</u>
B-72-07-72	12-12-72	Blanket Bond	\$5,000.00 6005
B-72-10-28	5-3-73	Powers Ranch #2	5,000.00 611
B-81-13-73	5-30-74	Pima Farms #1	5,000.00 622

The first two bonds covered the Powers Ranches, Inc. wells #1 and #2 which are shut in for further evaluation. The Pima Farms well was completed as non-commercial and released to the land owner for use as an irrigation well.

Considering these facts, could you release us from liability under any of these bonds?

Very truly yours,

GEOTHERMAL KINETICS, INC.

Dent N. Hand
Dent N. Hand
Secretary-Treasurer

Handwritten initials and scribbles

GEOTHERMAL KINETICS INC.

301 W. INDIAN SCHOOL RD. • PHOENIX, ARIZONA 85013 • PHONE (602) 248-0202

CC: Bill Allen

November 5, 1976

H. Wesley Peirce
Arizona Bureau of Mines
845 N. Park
Tucson, Ariz. 85719

Re: Logs - Geothermal Wells

Dear Wes:

We are sending you today the following logs:

Permit 605 Geothermal Kinetics 1 Power Ranches
NE SE 1-sS-6E - Gamma Ray Neutron, 2200-9065'
Compensated Formation Density, 2200-9065'

Permit 622 Geothermal Kinetics 1 Pima Farms
SESW 8-7S-8E - Sidewall Neutron Gamma
Ray, 900 5845'
Compensated Densilog, 900-5845'

Please return these logs at your earliest convenience.

Our AmStrat log of the Power Ranches well shows no salt.
An anhydrite section with thin interbeds of claystone and siltstone
was logged from 2298 to 3120 feet.

The operator's completion report lists a salt section in the
Pima Farms well from 2500 to 2945 feet. It is apparent on the
Density. The salt is described as being predominantly clear,
frosted, white, and hard.

Let me know if we can be of further assistance.

Sincerely,

Jack Conley

JNC:os
Enc.

March 3, 1976

Ms. Kay Waller
Petro-Well Libraries, Inc.
150 Security Life Building
1616 Glenarm Place
Denver, CO 80202

RE: FEBRUARY CURRENT FILE MATERIAL

Dear Kay:

Enclosed you will find the following current material for February:

DATA: Duval Corporation, Permit #632
St. Joe American, Permit #633
St. Joe American, Permit #634

LOGS: Permit #633 - Gamma Ray-Neutron
Permit #634 - Gamma Ray Neutron and Caliper
Permit #632 - Gamma Ray Neutron

Data and logs for Permit #622, Geo-Kinetics, Inc.

Exploration Log, Dual Induction, Acoustilog, Densilog, Gamma Ray Neutron.

Thank you.

Saralee Lorenzo (Ms)
Secretary

Encs.

October 28, 1975

Mr. Mike O'Donnell
Geothermal Kinetics, Inc.
301 West Indian School Rd.
Phoenix, AZ

RE: Geothermal Kinetics, Inc. - Amax Exploration Inc.
Pima Farms Inc. Well No. 1
SE/SW Sec 8-T7S-R8E, Permit #622

Dear Mike:

Several weeks ago, I advised you that we had not received the samples on the above referenced well.

Since we still have not received these samples, I thought it best to remind you by this letter that we still would like to have these samples at your earliest convenience.

Thank you for your cooperation.

Sincerely,

W. E. Allen, Director
Enforcement Section

WEA/sl

June 17, 1974

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The following permits have been issued since March 26, 1974.

Geothermal Kinetics Inc. - Amax Exploration Inc.
Pima Farms Inc. Well No. 1
SE/SW Sec 8-T7S-R8E, Permit #622
Pinal County, Issued 6-4-74

Duval Corporation #46
NW/NW Sec 16-T19N-R27E, Permit #623
Apache County, Issued 6-17-74

Very truly yours,

Rhema L. Brandt,
Secretary to W. E. Allen,
Director-Enforcement Section

/rlb

June 17, 1974

Mr. Frank Getscher
P. O. Box 98
Scottsdale, Arizona 85252

Dear Mr. Getscher:

The following permits have been issued since March 26, 1974.

Geothermal Kinetics Inc. - Amax Exploration Inc.
Pima Farms Inc. Well No. 1, Prop. T.D. 7500', Elev. 1509'
SE/SW Sec 8-T7S-R8E, Permit #622
Pinal County, Issued 6-4-74

Duval Corporation #46, Prop. T.D. 1850', Elev. 5955'
NW/NW Sec 16-T19N-R27E, Permit #623
Apache County, Issued 6-17-74

Very truly yours,

Rhema L. Brandt
Secretary to W. E. Allen,
Director - Enforcement Section

/rlb