GTLT - \_\_\_\_5\_\_\_

# (19-29)-27S-19W Amax Exploration, Inc. (Hidalgo County)

13-H(PA); 12-E(PA); 14-A(PA); GTR-232-18-L(PA) & GTR-232-19-I(PA)

NEW MEXICO OIL CONSERVATION COMMISSION P. O. Box 2088, Santa Fe 87501	Form G-103
File /	
N.M.B.M. SUNDRY NOTICES AND REPORTS	
U.S.G.S. ON	5. Indicate Type of Lease
Operator / GEOTHERMAL RESOURCES WELLS	State X Fee 5.0 State Lease No.
Land Office Land	State Highway
A TO SERVICE AND A DIFFERENCE TO A DIFFERENCE	111111111111111111111111111111111111111
(DO NOT USE THIS FORM FOR PROPOSALS TO ORILL OR TO DEEPEN OR PLUC SACK TO A DIFFERENT RESERVOIR, URL "APPLICATION FOR PERMIT —" (FORM G-101) FOR SUCH PROPOSALS.)	
1. Type of Well Geothermal Producer [] Temp Observation [X]	7. Unit Agreement Name
Low-Temp Thermal Injection/Disposal  1. Name of Operator	NA 8. Farm of Lease Name
AMAX Exploration, Inc.	NA
3. Addrawa of Operator	9, Well No.
4704 Harlan Street, Denver, Colorado 80212	13
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER H . 1500 FEET FROM THE NORTH LINE AND 700 FEET FROM	ALL STATES OF THE STATES OF TH
THE East LINE SECTION 19 TOWNSHIP 27S RANGE 19W HAPPING	
TOWNSHIP MANGE MANGE	
15, Elevation (Show whether DF, RT, CB, etc.)	12. County
4400' ground level	Hidalgo
Check Appropriate Box To Indicate Nature of Notice, Report of Oth	
NOTICE OF INTENTION TO: SUBSEQUENT	REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CABING CHANGE PLANS CABING TEST AND CEMENT JOB	andonment Information
OTHER COMPTECTOR AND AD	andonment Information [
17. Describe Proposed of Completed Operations (Clearly state all persinent details, and give pertinent dates, including work) SER RULB 201.	estimated date of starting any proposed
Method of Completion	•
After the drill hole is completed and the drill rods removed from the hol imately 2.54cm (1") in outside diameter which has been capped on the botto	e, a PVC pipe of approx-
hole. The pipe is filled with water and capped. The space around the i	m is inserted into the ntruded nine is then back
filled with drill cuttings. The drilling program was completed on Novemb	er 6, 1976
Abandonment Procedure	
The PVC pipe is cut off below ground level. The upper 3 meters (10 feet) Any remaining depression is filled with soil and the area is raked to res	is filled with cement.
original appearance and contour. All drilling related refuse is removed	and properly disposed of.
Abandonment of hole occurred between December 16 and December 18, 1976.	The property of the property o
Order No. R-4860	·
Exhibit No. D	
18. I hereby cert fly that the information about is true and complete to the best of my knowledge and belief.	**************************************
Managing Geologist, Geothe	rmal January 5, 1976
	DATE TO THE PROPERTY OF THE PR
Carl Ulway SENIOR PETROLEUM GEOLOGIST	11//
APPROVED BY CARE ULLOG TITLE EDENIUM FETRULEUM GEOLOGIST	- DATE 7/26/77
CONDITIONS OF APPROVAL, IF ANTI	

NEW MEXICO, OIL, CONSERVATION COMMISSION	form 0-103
P.=0. Box 2088, Santa Fe 87501	10-1 74
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The same and the s	
U.S.G.S.  SUNDRY NOTICES AND REPORTS ON	5. Indicate Type of Lease
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Land Office	State Highway
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(DO NOT USE THIS FORM FOR PROPONALS TO ORILL OR TO DEEPEN OR PLUC BACK TO A DIFFERENT RESERVOIR, DAY "IMPULICATION FOR PERMIT "" (FORM G-101) FOR BUCH PROPOSALS.)	
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Type of Well Geothermal Producer [ Temp Observation X	7. Unit Agreement Nome
• Low-Temp Thermal Injection/Disposal	NA NA
Name of Operator	8. Farm or Lease Nanie
AMAX Exploration, Inc.	NA ·
1, Address of Operator	9, Well No.
4704 Harlan Street, Denver, Colorado 80212	13
1, Location of Well	10. Field and Pool, or Wildcat
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THE East LINE, SECTION 19 TOWNSHIP 27S BANGE 19W	
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15, Elevation (Show whether DF, RT, CB), etc.)	12. County
4400' ground level	Hida1go
Check Appropriate Box To Indicate Nature of Notice, Report or	Other Data
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Method of Completion	
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iole. The pipe is filled with water and capped. The space around the	e intruded pipe is then back
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any remaining depression is filled with soil and the area is raked to	restore the site to its
riginal appearance and contour. All drilling related refuse is remove	ed and properly disposed of.
bandonment of hole occurred between December 16 and December 18, 1976.	
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Order No. R-4860	
Exhibit No. D	•
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18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Managing Geologist, Geot	thermal January 5, 1976
THE RESIDENCE OF THE PARTY OF T	DATE
Carl Clevy SENIOR PETROLEUM GEOLOGIST	4/9/-/
	DATE 1/ NO/ 1/
CONDITIONS OF APPROVAL, IF ANYI	

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NEV	MEXICO OIL CONSI P. O. Box 2088,	ERVATION COMMISSI Santa Fe 8750]	ON <sub>SEP 2</sub>	2 1078	$\{r_j\}$
File	7. 0. DOX 2000,	. (		Form G-1	
N.M.B.M.	TOATION FOR DEDU	OIL IT TO DRILL, DEE	OSMETH F	SAL-Indicate C. [Grate [X	Type of Lease
U.S.G.S. / / APP Operator / OR	PLUG BACKGEOTH	ERMAL RESOURCES I	WELL :	5. State Leas	e No.
Land Office /		·		63 <i>2</i> 777777	ite Highway
In. Type of Work Drill [X]	Deepen [ ]	Plug Back		7. Unit Agree NA	ernent Name
6. Type of Well Geothermal Production Low-Temp Thermal	er [] [] In	Temp Observation jection/Disposal	[x]	8. Farm or Le NA	easc Name
2. Name of Operator AMAX Exploration, Inc.				9. Well No.	13
3. Address of Operator 4704 Harlan Street, Denver, Co	olorado 80212		ļ	NA NA	i Pool, or Wildeet
4. Location of Well UNIT LETTER HA	LOCATED 1500	FECT FROM THE North	LINE		
AND 700 FEET TROM THE EAST	LINE OF SEC. 19	TWP. 275 RGE. 19	W HMPM		
			111111	12. County	
				Hidalgo	illillillin
		19. Proposed Depth	A. Formation		20. Rotery or C.T.
		<500 feet	Alluvium Tertiary	or Volcanic	•
21. Ulevationa (Show whether DF; RT; etc.) 21A. 4400' ground level	Kind & Status Plug. Bond Single	21B. Drilling Contractor			Date Work will start—
23.	PROPOSED CASING AN	D CEMENT PROGRAM		<u> </u>	
SIZE OF HOLE SIZE OF CAS			SACKS OF	CEMENT	EST. TOP
4 3/4 to 6 inch   1" in outside diameter PV		total depth	<u>NA</u>		NA .
pipe					
Drilling of one (1) geotherma diameter PVC pipe capped on the The hole will be backfilled water and the system allowed measurements will be taken from	ne bottom will be ith cuttings. The co reach equilibr om the holes over	inserted into the e inserted PVC pip ium with the surro the ensuing month	e hole to be is the bunding s is.	total con fillectrata.	lepth. I with Temperature
			OPERATOR	AGREES	
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IN THE EVEN WELL-BORE TO EITHER SET CASING UPON CONCLUSION OF TO WITH CEMENT FROM SUR	EMPERATURE OBSERVA FACE TO TEN FEET	OF DEPTH OR GREAT	EK.		
WITH OZZ					
IN ABOVE SPACE DESCRIBE PROPOSED PROGRATIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY	A: IF PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA ON	PRESENT PROD	UCTIVE ZONE	AND PROPOSED NEW PRODUC
I hereby certify that the miormation above is true sho	Manago	knowledge and belief.  , Geothermal Exp	loration	Q_5	20-76
(This space for State Use)	Title Manager	, according LAP		ate	-
A lin	CENIUD 1	ETROLEUM GEOLOGIST		<i>a 1</i>	
CONDITIONS OF APPROVAL, IF ANY:	TITLE	THATTAIN APARAGE		ATE 9/2	24/76

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section 13 State Highway AMAX Exploration, Inc. Unit Letter Section Township County Hongo 27S 19W Hidalgo NA Acts il Footoge Location of Well: 700 East 1500 North line and feet from the feet from the Pool Ground Level filev. Producing Pormation Dedicated Acreage: 4400' NΑ Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. NA 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation. Yes If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)... No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information con- . tained herein-ls true and William M. Dolan Position Manager, Geothermal Exploratibn AMAX Exploration, Inc. Date 9-20-76 I hereby certify that the well location shown on this 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. NΑ Date Surveyed Registered Professional Engineer and/or Land Surveyor Certificate No. 1000 500

IN ABOVE SPACE DESCRIBE FIVE ZONE. GIVE BLOWOUT PACVES  1 hereby certify that the Miform.	ITER PROGRAM.	ue and comple	cre to the best of my	knowledge and	bellef.	ploration <sub>o</sub>	*	AND PROPOSED NEW PRODU
IN ABOVE SPACE DESCRIBE F TIVE ZONE. GIVE BLOWOUT PAEVE	ITER PROGRAM.	IF ANY.				ON PRESENT PROC	UCTIVE ZONE	AND PROPOSED NEW PRODU
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Drilling of one diameter PVC pipe The hole will be water and the sysmeasurements will	e capped of backfille stem allow	on the bo ed with c wed to re	ttom will be uttings. The ach equilibr	inserted e inserted ium with t	into t   PVC p   he sur	he hole to ipe is the rounding s	total n fille	depth. d with
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23.		PR	OPOSED CASING A	ND CEMENT PE	ROGRAM			
4400' ground leve		21A. Kind A	Status Plug. Bond single	21B. Drilling (	Contractor			r 1, 1976
				19. Proposed 1 < 500 fe	Depth eet	Alluvium Tertiary	or Volcani	20. Fotory or C.T. cs Rotary
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AND 700		East LINE		TWP. 275		19W NMPM		
4704 Harlan Stree		Colora		FEET FROM THE	Nor			
AMAX Exploration  3. Address of Operator		- 0.1	1- 00010				10. Field ar	nd Pool, or Wildcet
2. Name of Operator		<u>L</u>			. 5 0 5 4		9. Well No.	13 .
b. Type of Well Geot	hermal Pr Temp Ther	roducer		Temp Obse jection/D	rvation	n [x]	8. Farm or L NA	.easc Name
In. Type of Work Dril	] [x]	De	epen [ ]	ΡΊ	ug Bacl	¢ [ ]	7. Unit Agre	eement Name
Land Office				56	7 22			
U.S.G.S. Operator			TION FOR PERM BACKGEOTH	IERMAL RES	OURCES	WELL	5. State Lea	
		•		444 20 TATE OF		1	Form G- 5A. Indicate	Type of Lease
N.M.B.M.	- <del></del> - (		U. BUX ZUOO,	Janta Te	8/501			
			ICO OIL CONS O. Box 2088,					

#### GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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1000

### OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

October 5, 1977

Amax	Exp	lor	atic	n.,	In	a.
4704						
Denve	~	Col	orač	io :	SOC	21.2

St. Hiway Well #12

\$2,000 One-Well Low-Temperature Re: Thermal Well or Geothermal Observation Well, AMAX Exploration, Inc., Principal Firemans Insurance Company of Newark, New Jersey, Surety Sec. 19, T-27-S, R-19-W Bond No. BND 207 84 40

Gentlemen:

. The Oil Conservation Commission hereby approves release of the above-captioned one-well bond.

Very truly yours,

JOE D. RAMEY. Secretary-Director

JDR/LT/dr

Firemen's Insurance Company CC: of Newark, New Jersey 80 Maiden Lane New York, New York

NEW MEXICO UIL CONSERVATION CO	3 3 3 7 4
P. O. Box 2088, Santa Fe 8	10-1 74
File 1 L	
H.M.B.M. SUNDRY NOTICES AND REPOR	TS -
U.S.G.S. ON	5. Indicate Type of Lease
Operator / GEOTHERMAL RESOURCES WEL	LS State X Fee
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	State Highway right of w
(OO NOT USE THIS FORM FOR PROPOSALS TO OBILL OR TO DEEPEN OF PLUG BACK TO A DIFFEREN	OF MERENVOIR.
Type of Well Geothermal Producer [ Temp Observation	, 14,
Low-Temp Thermal 🔲 Injection/Disposal	
Name of Operator	8. Form of Lease Hance
AMAX Exploration, Inc.	NA 9. Well No.
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4704 Harlan Street, Denver, Colorado 80212	10, Field start Pool, or Wildcat
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UNIT LETTER E 2200 FEET FROM THE NORTH LINE AND 50	PERT FROM CONTROL NA
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15. Elevation (Show whether DF, RT, GB, etc.)	12. County
4400' ground level	
	Hidalgo
Check Appropriate Box To Indicate Nature of Notice	-
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Method of Completion	
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nole. The pipe is filled with water and capped. The space	around the intruded nine is then been
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my remaining depression is filled with soil and the area is	raked to restore the site to its
priginal appearance and contour. All drilling related refus	se is removed and properly disposed of
bandonment of hole occurred between December 16 and Decembe	er 18, 1976.
	·
Order No. R-4860	
Exhibit No. D	
	·
18. I hereby certify that the information above is true and complete to the best of my knowledge .	ind belief.
Xarry Clean Managing Geol	ogist, Geothermal January 5, 1976
DIGNED YITLE	DATE
Carl Ulway SENIOR PETROLEUM	A GEOLOGIST BALL 4/24/77
1111kb	DATE // ***/ / /

CONDITIONS OF APPROVAL, IF ANY

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Name of Operator				ľ		
AMAX Exploration, Inc	· • •				NA . Well No.	
A Address of Operator		00010				
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. Location of Well			1	1 1	0. Field staff Pool, or Wildca	t
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iole. The pipe is fille	ed with water a	nd capped.	The space arou	und the in:	truded pipe is the	en baci
filled with drill cutting	ngs. The drill	ing program	was completed	on November	c 6. 1976	
		Abandonment	: Procedure		•	
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my remaining depression	n is filled wit	h soil and	the area is ra	ked to rest	are the site to it	+ c
riginal appearance and	contour. All	drilling re	lated refuse i	s removed as	nd properly dispos	sed of
bandonment of hole occu	urred between D	ecember 16	and December 1	8. 1976	to property dispos	ica or
			and becomber 1	0, 1570.		
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			. R-4860			
·		Exhibit	No. D			
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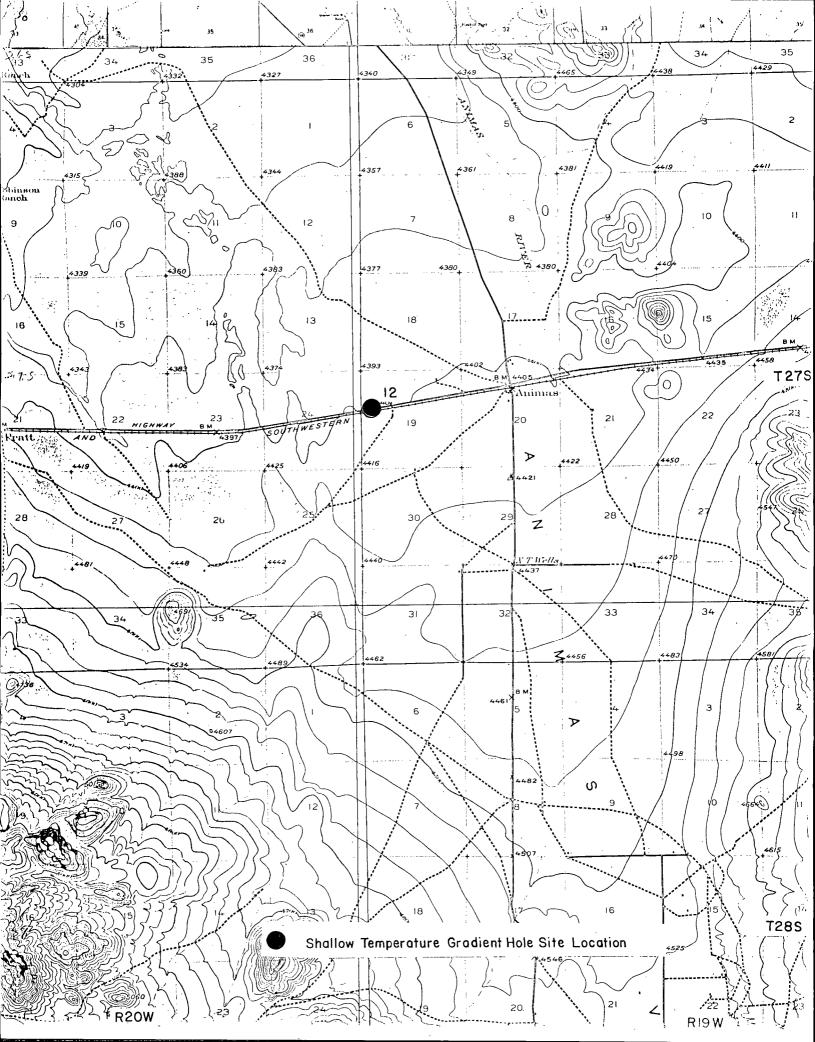
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NO. O' COPILS RECEIVED 5	NEW MEXICO OIL CONSI	RVATION COMMISSI	.UN		
DISTRIBUTION	P. U. BOX 2086,	Santa Fere75017	1799	Form G-1	01
N.M.B.M.			7/11/		Type of Lease
U.S.G.S. /	APPLICATION FOR PERM	IIT TO DRIVE I DEF	PEN. WII	STATE X	
Operator /	OR PLUG BACKGEOTH	IERMAL RESOURCES	WELD	.5. State Leas	e No.
Land Office /	APPLICATION FOR PERM OR PLUG BACKGEOTH	CONSERVATION	COMM	State Hi	ghway right of w
		Santa Fe			
In. Type of Work Drill [X"]	Deepen [ ]	Plug Back		7. Unit Agree NA	ment Name
b. Type of Well Geothermal Pi	roducer []	Temp Observation	[x ]	8. Farm or Le	ase Name
Low-Temp The	rmal [] In,	jection/Disposal	<u>L</u> J	NA 9. Well No.	
2. Name of Operator AMAX Explorati	ion, Inc.			12	
3. Address of Operator 4704 Harlan St	treet, Denver, Colorad	o 80212		10. Field and NA	Pool, or Wildect
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AND 50 PEET FROM THE WES	St LINE OF SEC. 19	TWP. 275 RGE. 19W	NMPM	12. County	<i>1111111111111111111111111111111111111</i>
				Hidalgo	
<i>સ્મિનિનિનિનિનિનિનિનિનિનિ</i> નિ		19. Proposed Depth	9A. Formation	77777777	20. Rotery or C.T.
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21. Plevetions (Show whether Dr., RT, etc.)	21A, Kind & Status Plug, Bond	21B. Drilling Contractor	ruary	22. Approx.	rotary Date Work will start—
4400' ground level	single	Hugh M. Harris D	rilling	¢o. upor	n issuance
23.	PROPOSED CASING AN	D CEMENT PROGRAM			
SIZE OF HOLE SIZE OF	CASING WEIGHT PER FOO	T SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
	in outside – 5 ounce			upper	
diameter diameter	r PVC		10 feet		
pipe					
Drilling of one (1) geothern diameter PVC pipe capped on The hole will be backfilled water and the system allowed measurements will be taken to	the bottom will be in with cuttings. The i d to reach equilibrium from the holes over th	serted into the he nserted PVC pipe with the surrour me ensuing months.	nole to to to to the straining straining straining straining straining straining straining straining straining	total dep filled w ^ata. Ter	th. ith mperature
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	OGRAM: IF PROPOSAL IS TO DEEPEN		PRESENT PRO	DUCTIVE ZONE	IND PROPOSED NEW PRODUC
I hereby certify the the hiormation above ish	fue and complete to the best of my	knowledge and belief.			
signed Winfile	/ Manager,	Geothermal Explo	ration ,	Date 10-12	-76
(This space for State Use)					
was Carl Ille	SENIOR P	ETROLEUM GEOLOGIST		10/	18/76

CONDITIONS OF APPROVAL, IF ANY:

## NEW MEXICO OIL CONSERVATION COMMISSION

GEOTHERMAL RESOLUTES WELL LOCATION AND ACREAGE DELICATION PLAT

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MAX Explora	tion, Inc.	Township	State	Highway	County	TIT 1.
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count Lyvel Llov.	Producing F	ormation	Pool	166(	Hom the	j.
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If answer this form i	is "no," list the f necessary.) ble will be assig	e owners and tract	descriptions w	hich have ac	onsolidate	n consolidated. (Use reverse side of ed (by communitization, unitization, s, has been approved by the Commis-
			<u>!</u>			CERTIFICATION
	1		           			I hereby certify that the information con- tained herein is true and complete to the best of more houselding and belief.
			           	 		William M. Dolan  Position Manager, Geothermal Explor  Company AMAX Exploration, Inc.  Date 10-12-76
		_	·		·	
			       			I hereby certify that the well location shown on this 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.
			   	·		NA  Date Surveyed  Registered Professional Engineer and/or Land Surveyor
		become postal	providen			Certificate No.



#### SHALLOW THERMAL GRADIENT DRILL HOLES

Shallow exploration thermal gradient drill holes, as their names imply, are holes which permit temperature measurements at intervals down the hole. When several such holes are drilled, a comparison of temperature data between holes is useful in helping to locate and define areas of unusually high heat.

Shallow exploratory thermal gradient drill holes are usually drilled to depths of 30 to 500 feet. The holes which AMAX wishes to drill will average approximately 300 feet in depth.

Thermal gradient holes generally are drilled with bits 4-3/4" to 6" in diameter. Water wells, by contrast, frequently are drilled with bits 8" to 12" in diameter. Consequently, the drilling of a thermal gradient hole usually has less overall impact than the drilling of a water well to comparable depth.

The equipment used to drill shallow thermal gradient drill holes consists of a light truck-mounted rotary drill rig and a water truck. The truck-mounted drill is usually set up on level ground as close as possible to existing roads. No bulldozing or leveling is required, nor is the drill dug in. The water truck is parked adjacent to the drill. Air is used to remove drill cuttings from the hole when drilling above the water table. Water mixed with drilling mud, and circulated through a portable mud tank, accomplished the same when drilling below the water table or in areas where the water table is relatively shallow. Drill cuttings from the hole are used to backfill the hole.

Up to three 170 foot holes can be drilled in one ten hour period. Deeper holes take longer. A 300 foot hole generally would require 12 to 15 hours. A 500 foot hole might take 20 to 24 hours.

After the drill hole is completed and the drill rods removed from the hole, a PVC pipe of approximately 1" in outside diameter is inserted into the hole. The pipe is capped on the bottom and is filled with water. The drill hole is then backfilled with drill cuttings. Approximately one week later, after the hole has had a chance to reach thermal equilibrium with the surrounding rock, a thermister probe is lowered into the hole and temperature measurements are made at intervals down the hole.

Once tests with the well have been completed, the PVC pipe can be cut off below ground level and the hole filled.

The impact at the drill site once the hole has been filled may consist of tire marks from the two trucks and indications of earth movement immediately over the hole.

## EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

4704 HARLAN STREET • DENVER, COLORADO 80212 • [303] 433-6151

June 8, 1977

JUN 1 7 1977

GIL CONSERVATION COMM.

Ganta Fe

Mr. Carl Ulvog Senior Petroleum Geologist New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Location of Well No. 14, Hidalgo County, New Mexico

Dear Mr. Ulvog:

In response to your memo of May 6, 1977, in which you expressed concern over the correct location of AMAX's Well No. 14, I have since conferred with Harry Olson on this matter.

The location we have described on attached Form G-103 is in fact correct, however, the reason you have had difficulties in finding evidence of the well on the ground is because the location has been made into a parking lot and paved.

If I can be of any further assistance in this matter please let  $\mbox{me}$  know.

Thank you for your close attention to this matter.

Sincerely,

Larry Hall

Geothermal Property Manager

LH:d

	2088, Santa Fe 87501	Form G-102 10-1-74
ALB M. CHIDDY	ACTICES AND DEDODES	
M.B.M. SUIDRY 1	NOTICES AND REPORTS	's Indicate type of Lecter
<u>perator</u> GEOTHERI	MAL RESOURCES WELLS	Line (X)
and Office		State Highway
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Type of Well Geothermal Producer [_]	Temp Observation [x]	7. Unit Agreement tions
Lov/Temp Thermal	Injection/Disposal 🖺	NA
AMAX Exploration, Inc.		W. I ram or those france
Address of Operator	4.3.0	9. Well 1.0.
4704 Harlan Street, Denver, Colorado 80	212	10. Field and tradi, or hildren
UNIT LETTER A . 500 PEET PROM THE	North Line and 500	annu NA
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	whether DF, RT. CD, etc.)	12. County
The state of the s	O' ground level	Hidalgo ()
Check Appropriate Box to Ind	icate Nature of Notice, Report of	t Other Data JENT REPORT OF:
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ULL OR ALTER CABING CHANGE PLANS	CABING TEST AND CEMENT JOS	PLUE AND ABANDGHARM [[]
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ly remaining depression is filled with soi	I and the area is raked to	restore the site to its
riginal appearance and contour. All drill pandonment of hole occurred between Decemb	er 16 and December 18, 1976	ved and property disposed of. 5.
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	er No. R-4860 hibit No. D	•
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6. I hereby certify that the information above is true and complete to		
Outo Xarry Cisare.	Managing Geologist, Geo	othermal January 5, 1976
THE STREET OF TH	ATEMAT RECEIPE ( A TOMOCHT BYRK) DECEMBER TO COMPANY FOR THE COMPANY OF THE COMPA	CONTROL CONTRO
TRACYED ET	ITLE	2740

## Memo

Grom

CARL ULVOG
SENIOR
DLEUM GEOLOGIST

Jo Amax

I do not believe your

Well No. 14 is located as this

From C-103 indicates. Likewise,

I believe the map you supplied

locates this well incorrectly.

In walking out the

described location, I could

find no evidence of any

surface disturbance, nor is

there any sign of a wheeled.

relicle being near such a spot.

There is evidence of probable

brilling approximately one mile

further east, which would be
in Unit A of Section 21. Please
advise if this is actually your No. 14.

NEW MEXICO OIL CONSERVATION COMMISSION -	Form 6-103
P. 0. Box 2088, Santa Fe 87501	10-1 74
File	
N.M.B.M. SUNDRY NOTICES AND REPORTS	5. Indicate Type of Lease
U.S.G.S. ON DESCRIPTION DESCRIPTION	State X
Operator GEOTHERMAL RESOURCES WELLS Land_Office	Go State Lease No.
<u>Euro orrico</u>	State Highway
(DO NOT USE THIS FORM FOR PROPOSALS TO DELL OR TO DEEPEN OR PLUC BACK TO A DIFFERENT RESERVOIR.  URL "APPLICATION FOR PERMIT "" (FORM G-101) FOR SUCH PROPOSALS.)	
1. Type of Well Geothermal Producer [ ] Temp Observation [ X ]	7. Unit Agreement Name
Low-Temp Thermal 🔲 Injection/Disposal 🗍	NA
2. Name of Operator	8. Farm of Lease Name NA
AMAX Exploration, Inc.	9. Well No.
4704 Harlan Street, Denver, Colorado 80212	14
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER A . 500 PEET FROM THE NORTH LINE AND 500 PEET FROM	NA
THE East LINE, SECTION 20 TOWNSHIP 275 RANGE 19W HMPM	
15. Elevation (Show whether DF, RT, CB, esc.)	12. County
4400' ground level	Hidalgo
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
	T REPORT OF:
PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CABING	bandonment Information [ ]
OTHER	A TOTAL AND THE PARTY AND THE
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SER RULE 203.	g estimated date of starting any proposed
Method of Completion	
After the drill hole is completed and the drill rods removed from the ho	le, a PVC pipe of approx-
imately 2.54cm (1") in outside diameter which has been capped on the botto hole. The pipe is filled with water and capped. The space around the	om is inserted into the
filled with drill cuttings. The drilling program was completed on November	her 6. 1976
Abandonment Procedure	
The PVC pipe is cut off below ground level. The upper 3 meters (10 feet	) is filled with cement.
Any remaining depression is filled with soil and the area is raked to re	store the site to its
original appearance and contour. All drilling related refuse is removed Abandonment of hole occurred between December 16 and December 18, 1976.	and properly disposed of.
	•
Order No. n. 1000	
Order No. R-4860 Exhibit No. D	
s .	
	•
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Manager Co. 1	
Managing Geologist, Geoth	ermal January 5, 1976
	Control of the contro
Carl Lilvag SENIOR PETROLEUM GEOLOGIST	5/35/20
1111	- DATE J J J
CONDITIONS OF APPROVAL, IF ANYI	

NEW MEXICO OIL CONSERVATION COMMISSION P. O. Box 2088, Santa Fe 87501		
File / / P. U. BOX 2000, Salita le 0/301	Form G-1	
N.M.B.M. / APPLICATION FOR PERMIT TO DRILL, DEEPEN,	5A. Indicate	Type of Lease
Operator / OR PLUG BACKGEOTHERMAL RESOURCES WELL Land Office // OR PLUG BACKGEOTHERMAL RESOURCES WELL	State Leas	se No. e Highway
Land Office 171		mmmm
Deepen [] Plug Back []	7. Unit Agre	
b. Type of Well Geothermal Producer [] Temp Observation [x]	8. Farm or L	
Low-Temp Thermal [ ] Injection/Disposal [ ] 2. Name of Operator	9. Well No.	NA 
AMAX Exploration, Inc.	10 Field on	d Pool, or Wildeet
4704 Harlan St., Denver, Colorado 80212		NA
4. Location of Well Unit Letter A HE LOCATED 500 FECT FROM THE NORTH LINC		
AND 500 FERT FROM THE EAST LINE OF SEC. 20 TWP. 27S RGE. 19W HMPM		
	Hidalgo	
19. Proposed Depth 19. Formation Al Tuvium	or	20. Rotary or C.T.
21. Elevations (Show whether DF, RT, etc.) 21A. Kind & Status Plug. Bond 21B. Drilling Contractor	Volcanic	s Rotary Dote Work will stort—
4400' ground level single	1	ber 1, 1976
PROPOSED CASING AND CEMENT PROGRAM		
SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF 4 3/4 to 6 inch 1" in outside 5 ounces total depth NA	CEMENT	EST. TOP
4 3/4 to 6 inch   1" in outside   5 ounces   total depth   NA diameter   diameter PVC		IVA
pipe		
Drilling of one (1) geothermal hole to depths not to exceed 500 feet. diameter PVC pipe capped on the bottom will be inserted into the hole to the hole will be backfilled with cuttings. The inserted PVC pipe is to water and the system allowed to reach equilibrium with the surrounding measurements will be taken from the holes over the ensuing months.	o total ( hen fill	depth. ed with
	· mon ACE	REES
IN THE EVENT WELL-BORE EXTENDS BELOW FRESH WATER SANDS, OPEN TO EITHER SET CASING OR PLUG BACK HOLE TO PROTECT SUCH ACOUT UPON CONCLUSION OF TEMPERATURE OBSERVATION PERIOD WELL IS TO WITH CEMENT FROM SURFACE TO TEN FEET OF DEPTH OR GREATER.		
N ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DELPEN OR PLUG BACK, GIVE DATA ON PRESENT PRO-	DUCTIVE ZONE	AND PROPOSED NEW PRODUC
igned Title Manager, Geothermal Exploration place is true and complete to the best of my knowledge and belief.	9-2	0 <b>-</b> 76
(This space for State Use)	,u.e	

CONDITIONS OF APPROVAL, IF ANY:

#### NEW MEXICO OIL CONSERVATION COMMISSION

#### GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Legne Well No. 14 AMAX Exploration, Inc. State Highway. Unit Letter + Section Township Hongo County NA 20 **27S** 19W Hidalgo Acts il l'octage Location of Well: 500 East 500 North feet from the 4400 4400 Hov. line and feet from the line Dedicated Acreage: Producing Pormation NA NA 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation. Yes If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the Information contained herein is true and complete to my knowledge and belief. William M. Dolan Manager, Geothermal Exploration AMAX Exploration, Inc. Date 9-20-76 I hereby certify that the well location shown on this 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. Date Surveyed Registered Professional Engineer and/or Land Surveyor Certificate No. 1320 1650 1980 2310 2000 1000 500

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File		Γ. (	7. DOX 2000, 1	Janea Te 07301,	ექმიე	Form G-	101
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Operator		OR PLUG	BACKGEOTHE	RMAL RESOURCES	WELL .	S: State Lea	e Highway
Land Office				•		111111	
					·		
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. Name of Operator AMAX Explorati	on, Inc.					9, Well No.	14 .
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ine KMC	MADIL		Title Manager,	Geothermal Exp	oloration,	Date 9-2	0-76
(This spac	e for State Use)			<u> </u>			
0	112.		SENIOR PE	TROLEUM GEOLOGIST		91	24/76
PPROVED BY	uwaq	- •	TITLE	VLVLUUIJ!	,	DATE //	41/76

## NEW MEXICO OIL CONSERVATION COMMISSION Form G-102

## GEOTHERMAL RESOLUCES WELL LOCATION AND ACREAGE DEDICATION PLAT

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AMAX Explo	oration, In	c.	. Legs	99	State H	•	Well Com	14
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File			•			
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U.S.G.S		•	ON		5. Indicate Type	ر د. <i></i>
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Land Office		*			GA State Lease N	
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Burn	Check Appropr		ate Nature of Not	ice Report of Ot		
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PULL OR ALTER CARING		CHANGE PLANS	CABING TEST AN			
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OTHER			🔲			
17. Describe Proposed or C	ompleted Operations	(Clearly state all pentir	vent details, and sive ne	rinent dates including	estimated date of	
work) SER RULE 203.	ompreted Operations	Citary state at, person	iem datatis, and give per	timent autes, increasing	; wattmated date of	starting any proposed
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imately_2.54cm (1"	') in outside	diameter which	has been cappe	d on the botto	om is insert	ed into the
hole. The pipe is	; filled with	water and cap	ped. The space	around the i	intruded pip	e is then bac
filled with drill	cuttings, I	ne drilling pro	ogram was compl	eted on Novemb	er 6, 1976	
The DVC pipe is ou	ıt off bolow (	Abandor	nment Procedure	- - -		* 4 1
The PVC pipe is cu	rection is fi	ground level.	ine upper 3 me	ters (10 feet,	, 15 T111ea	with cement.
Any remaining depropriginal appearance	ession is iii	ried with Soli	and the area i	s raked to res	store the si	te to its
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18. I hereby gertify that the	Information above is	true and complete to 1)	ne best of my knowledge	and belief	·	<del></del>
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(",,)	Illum		SENIOR PETROLE	UM GEOLOGIST	4/	15/177

CONDITIONS OF APPROVAL, IF ANY

NEW MEXICO OIL CONSERVATION COMMISSION		Form G-103
P. O. Box 2088, Santa Fe 87501 File  II.M.B.M. U.S.G.S. Operator Land Office  P. O. Box 2088, Santa Fe 87501  SUNDRY NOTICES AND REPORTS ON GEOTHERMAL RESOURCES WELLS	State X  STATE STA	i'en 🔲
(00 NOT USE THIS FORM FOR PROPOHALS TO ORILL OR TO OCCPEN OR PLUC SACK TO A DIFFERENT RESERVOIR.  URL "APPLICATION FOR PERMIT —" (FORM G-101) FOR SUCH PROPOSALS.)		
+ Type of Well Geothermal Producer [ Temp Observation [X]   Low-Temp Thermal [ Injection/Disposal [] ]	7. Unit Agreemen	nt Name
AMAX Exploration, Inc.	8. Farm of Lease	• Nanie
4704 Harlan Street, Denver, Colorado 80212	9, Well No. 18	
1. Location of Well  UNIT LETTER L 2000 FEET FROM THE SOUTH LINE AND 800 FEET FROM	10. Field quad Po NA	ool, or Wildcat
THE West LINE, SECTION 29 TOWNSHIP 275 HANGE 19W HAPM.		
15. Elevation (Show whether DF, RT, CB), etc.) 4425' ground level	12. County Hidalgo	
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO:	ner Data REPORT OF	:
PLUG AND ABANDON REMEDIAL WORK COMMENCE DRILLING OPHS.  CHANGE PLANS CABING TEST AND CEMENT JOB OTHER COMPLETION and Ab	. <b>⊁</b> ∟UG	ning casing  AND ABANCONMENT X  Information X
Method of Completion   e, a PVC pi m is insert ntruded pip er 6, 1976 is filled tore the si	pe of approxed into the e is then bac with cement.	
	•	
Order No. R-4860 Exhibit No. D		
18. I hereby perity that the information above is true and complete to the best of my knowledge and belief.		
Managing Geologist, Geothe	rmal Jan	nuary 5, 1976
Carl III. SENIOR PETROLEUM GEOLOGIST	W.	(11/

i i			,			
DISTRIBUTION	NEW ME	XICO OIL CONS O. Box 2088,	ERVATION COMMI Santa Fe 8750	SSION SEP		1
File /	V				Form G4101	
N.M.B.M. / U.S.G.S. !	APPLICA	ATION FOR PERM	4IT TO DRILL,	DEEPEN,	STATE X	FOR .
Operator /			HERMAL RESOURC		.s. State Lease N GTR-232	
Lana orrec			•			
10. Type of Work Drill	[x] D	eepen [ ]	Plug Ba	ck [ ]	7. Unit Agreeme NA	nt Name
b. Type of Well Geoth Low-T	ermal Producer emp Thermal [		Temp Observati jection/Dispos		8. Farm or Leas	е Кале
AMAX Exploration,	Inc.				9. Well No. 18	
3. Address of Operator 4704 Harlan St., I	Denver, CO 80212	)			10. Field and Pe	ool, or Wildcet
4. Location of Well UNIT LETTE	CR NA L LOC	ATED 2000	FEET FROM THE SO	outh LINE		
AND 800 FUEL FROM	Uoo+	EDFSEC. 29	TWP. 275 RGE.	19W NMPM		
					12. County Hidalgo	
					111111111	
			19. Proposed Depth	19A. Formatio	20.	. Hotay or C.T.
			<500 feet	Alluvium Tertiary	or volcanics	Rotary
21. Elevation: (Show whether DF) 4425' ground leve	· · · · · · · · · · · · · · · · · · ·	A Status Plug. Bond multiple	21B. Drilling Contract	or	October 1	nte Work will start—
23.			ND CEMENT PROGRAM	И		,
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DEP	TH SACKS OF	CEMENT	EST. TOP
4 3/4 to 6 inch diameter	l" in outside diameter PVC	5 ounces	total depti	n NA		NA
Traine ter	pipe					
Drilling of one (diameter PVC pipe The hole will be water and the systemes will	capped on the b backfilled with tem allowed to r	ottom will be cuttings. Th each equilibr	inserted into e inserted PVC ium with the so	the hole t pipe is th urrounding	o total der en filled w	oth. vith
IN THE EVENTOR EITHE	VENT WELL-BORE EX R SET CASING OR CLUSION OF TEMP MENT FROM SURFAC	KTENDS BELOW F PLUG BACK HOL ERATURE OBSERV F. TO TEN FEET	RESH WATER SAN LE TO PROTECT S VATION PERIOD V OF DEPTH OR GI	DS, OPERATO SUCH ACOUIF WELL IS TO REATER.	OR AGREES ERS. BE PLUGGED	
WITH CEM	MENT FROM SURFAC					
IN ABOVE SPACE DESCRIBE PR	ROPOSED PROGRAM: IF ER PROGRAM, IF ANY.	PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DAT	TA ON PRESENT PR	DDUCTIVE ZONE AND	PROPOSED NEW PRODU <b>C</b>
I hereby certily that the information	on above is true and comp	olete to the best of my	knowledge and belief.			
Signed MULTON	fille	Title Manager,	Geothermal Exp	oloration	Date 9-	-20-76
(This space for	State Use)		<del></del>			
APPROVED BY Carl	Ulvog	Senior i	ETROLEUM GEOLOGI	ŞT	DATE 9/29	1/16
CONDITIONS OF APPROVAL, IF	ANY:	113 L C.			DATE	

## NEW MEXICO OIL CONSERVATION COMMISSION FORM G-102

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

AMAX Exploration, Inc.    County   Coun			All distances mu	at be from the outer bound	aries of the Section.	(100 Cm)	
NA 29 Terminal part of the control o	Cherotor AMAY Explos	ation Inc		1			Well No.
NA 29 27S 19M Hidalgo:  Constitution to Worth  2000 tree tome the South time and 800 test from the Mest time  4425' NA NA NA Acres  1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plut below.  NA NA Acres  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  NA NA  NA NA  If answer is "no!" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if accessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, faced-pooling, or otherwise) or until a non-standard unit, eliminating auch interests, has been approved by the Commission.  CERTIFICATION  I haveby certify that the Information containing freely and the Information contained freely and the Information containing freely and the Information contained freely and the Information of the Information contains freely and the Information contains freely and the Infor			Township	Honco			CH (COURS
2000 tree trops to South ites and 800 test from ite West Inne 2001 tree trops to South ites and 800 test from ite West Inne 2425' NA NA Acrea 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plut below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  NA  If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.  CERTIFICATION  If hereby certify that the infarmation contains the plut was platted from the consolidation of the row of the pooling that the well faceton above on this plut was platted from the consolidation of the row of the pooling that the well faceton above on this plut was platted from the consolidation of the row of the pooling that the same is a facetor of the consolidation of the row of the row of the consolidation of the row of			· ·		Hi	da 1 go 🐪 🚶	G
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Yes			s dedicated to the	e well, outline each	and identify the o	wnership th	ereof (both as to working
Yes   No   If answer is "yes," type of consolidation					well, have the in	nterests of	
this form if necessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.  CERTIFICATION  I hereby certify that the Information contained herein is true and competing the best of manufedge and belief.  William M. Dolan  Position  Manager, Geothermal Exploration, Inc.  Dato  9-20-76  I hereby certify that the well location shown on this 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.  NA  Dato Surveyed  Registered Professional Engineer and/or Land Surveyer	Yes	☐ No If	answer is "yes," t	ype of consolidation			
I hereby certify that the information contained herein is true and complete flow the best of of kindwiedge and belief.  Actual  William M. Dolan  Position  Manager, Geothermal Explorat  Company  AMAX Exploration, Inc.  Data  9-20-76  I hereby certify that the well location shown on this 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.  NA  Data Surveyed  Registered Professional Engineer and/or Land Surveyor	this form if No allowab forced-pool	necessary.) <u> </u>	gned to the well unt	til all interests have	been consolidate	ed (by comm	nunitization, unitization,
toine herein is true and complete flot the best of my knowledge and belief  **Ramba**  William M. Dolan  Position  Manager, Geothermal Explorat  Company  AMAX Exploration, Inc.  Date 9-20-76  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me ar under my supervision, and that the same is true and correct to the best of my knowledge and belief.  NA  Dato Surveyed  Registored Professional Engineer and/or Land Surveyer		1		i			CERTIFICATION
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Registered Professional Engineer and/or Land Surveyor						shown on t notes of a under my s 'is true an	his plat was plotted from field ctual surveys made by me or upervision, and that the same d correct to the best of my
and/or Land Surveyor							d
Certificate No.		 		} 			•
			31-3-4-34 pag			Certificate N	0.

<b>A T</b>					
DISTRIBUTION :	NEW MI	EXICO OIL COMSER . O. Box 2088, S	RVATION COMMISSI Santa Fe 87501	NED 22 LE	rm G-101
N.M.B.M. U.S.G.S.		ATION FOR PERMI JG BACKGEOTHE		PEN,	clinicate Type of Lease state X Fee State Lease No.
Operator Land Office	OK FEC	d BACK deome	MINE RESOURCES		GTR-232
	` -	Deepen [ ]	Plug Back		Unit Agreement Name NA
Lovi-	hermal Producer Temp Thermal [		emp Observation ection/Disposal	<u>֚֚֚֚֚֚֚֚֓֞֞֞֞֞</u>	Tam or Lease Name NA
AMAX Exploration	, Inc.				Well No. 18 -
4704 Harlan St.,	NIΛ	2000	EET FROM THE SOUT		AN
	IIt		•	W NMPM	
					County dalgo
			9. Proposed Depth 19	A. Formation	20. Fotery or C.T.
A. Clevetion: (Show whether I)	· ·		<500 feet Te	ertiary vol	2. Approx. Date Work will start-
4425' ground leve	21	multiple			October 1, 1976
·		PROPOSED CASING AND	CEMENT PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	<del></del>	SACKS OF CE	·
4 3/4 to 6 inch diameter	l" in outside diameter PVC	5 ounces	total depth	NA NA	NA
draine ber	pipe				
Drilling of one (diameter PVC pipe The hole will be water and the sysmeasurements will	e capped on the backfilled with stem allowed to	bottom will be i cuttings. The reach equilibriu	nserted into the inserted PVC pip m with the surre	hole to	otal depth.
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	· .		*	•	
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			•	*. *	
A BOVE SPACE DESCRIBE P	PROPOSED PROGRAM: IF	PROPOSAL IS TO DEEPEN OR	PLUG BACK, GIVE DÅTA ON	PRESENT PRODUCT	IVE ZONE AND PROPOSED NEW PROD
	tion above is wire and com	plete to the best of my kn	owledge and belief.		
and All M	falle	Tule Manager, G	eothermal Explor	ation Date	9-20-76

CONDITIONS OF APPROVAL, IF ANY

## NEW MEXICO OIL CONSERVATION COMMISSION

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

Letter Section Township Honge County  A 29 27S 19W Hidalgoic MOTOMOSI COMM.  A 1 Footage Location of Well:  2000 feet from the South line and 800 feet from the West line  mil Level Flow. Producing Formation Pool Dedicated Acreage:	nator : AMAV Eumlau	aldan T		L	មឧប្រព		CTD :	222	EP 22 118	). ).	
A 29 275 19W Hidalgo:C Committee 2000 the transite South the and 800 test from the West the Committee of the			- [		<del></del> -			<u> </u>	<u> </u>	5.)	<u> </u>
2000 toot trans the South time and BOO test from the West than Control of Expert First NA NA NA Acre 425 NA								idalad C			<i>!</i>
2000 took throughs South the most 800 test from the West that 120 test from the West 120 te			2/3		1194		<u> </u>	Tual go. C		CUMAL	
NA Deducated Arceoper's NA Acro NA			- · · · ·		0.	20		.,	ound (e		
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notes of actual surveys made by me a under my supervision, and that the same is true and correct to the best of me knowledge and belief.  NA  Data Surveyed  Registered Professional Engineer and/or Land Surveyor		1	}		!	-		1	•		
under my supervision, and that the sam Is true and correct to the best of m knowledge and belief.  NA  Date Surveyed  Registered Professional Engineer and/or Land Surveyor		<b>a</b>			ŀ			j.			
Is true and correct to the best of m knowledge and belief.  NA  Date Surveyed  Registered Professional Engineer and/or Land Surveyor		<b>7</b>		-	· ·		j	ł.	•	•	
NA  Date Surveyed  Registered Professional Engineer and/or Land Surveyor		1			. 1			1	•		
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Registered Professional Engineer and/or Land Surveyor	• •				1	•		Knowledg	e ana bellet.		
Registered Professional Engineer and/or Land Surveyor		- <del></del> -			7						
Registered Professional Engineer and/or Land Surveyor		. !		-							
and/or Land Surveyor		1			. 1			Date Survey	/ed		
		1			 			Registered	Professional En	glneer	<del></del>
Certificate No.		1 .			i		. 1	and/or Lan	d Surveyor		
Certificate No.	•	1.			1	*	1				
Certificate No.				. ·	i				•	•	
	2024	process .	Personal bard	155000	market			Certificate	No.		<del></del> -

FO. OF LUPIUM MICCIVED 3	NEW MEXICO OIL CONSERVATION COMMISSION	Form G-103
DISTRIBUTION	P. O. Box 2088, Santa Fe 87501	10-1 74
File /	CHANDA NOTICES AND DEDOUTS	
U.S.G.S.	SUNDRY NOTICES AND REPORTS	5. Andicute Type of Lease
Operator /	GEOTHERMAL RESOURCES WELLS	State X I'en
Land Office	DEGITIENTIAL REGOONGES TREELS	So State Lease No.
	(	GTR-232
100 NOT UBL THIS FORM FOR PRO URL "APPLICAT	OPOBALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. ION FOR PERMIT —1º (FORM G-101) FOR BUCH PROPOSALS.)	
Type of Well Geothermal P	raducer [*] Temp-Observation [x]	7. Unit Agreement Name
Type of Well Geothermal P  Low-Temp Th		NΛ
Name of Operator	1011101	8. Form or Lease Name
AMAX Exploration, Inc.	·	IVA
. Address of Operator		9. Well No.
4704 Harlan Street, De	nver, Colorado 80212	19
i, Location of Well I 20	00 South 800	10, Field and Pool, or Wildcat
UNIT LETTER	FEET FROM THE SOUCH LINE AND COO FEET FRO	mmmm <sup>M</sup> Mmmm
East Line Access	, 29 TOWNSHIP 27S 19W	
THE LOSE LINE, SECTIO	N TOWNSHIP TO BANGE 1511 HMPM	
	15. Elevation (Show whether DF, RT, (B), etc.)	12. County
	4425' ground level	Hidalgo
NOTICE OF IN	Appropriate Box To Indicate Nature of Notice, Report of O ITENTION TO: SUBSEQUEN	THE DATA
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DAILLING OPNS.	PLUG AND ABANDONMENT
PULL OR AUTER CASING	CHANGE PLANS CABING TEST AND CEMENT JOS COMPLOTION and A	bandonment Information K
	OTHER COMPTECTOR AND A	bandonment Information K
17, Describe Proposed or Completed Op- work) SER NULE 201.	perations (Clearly state all pertinent details, and give pertinent dates; including	ig estimated date of starting any proposed
mately 2.54cm (I") in out ole. The pipe is filled	Method of Completion completed and the drill rods removed from the houtside diameter which has been capped on the bott with water and capped. The space around the use of the drilling program was completed on November 1.	om is inserted into the intruded pipe is then bac
	Abandonment Procedure	
ny remaining depression riginal appearance and c	pelow ground level. The upper 3 meters (10 feet is filled with soil and the area is raked to re contour. All drilling related refuse is removed rred between December 16 and December 18, 1976.	store the site to its
<b>v.</b>		
•		
	Order No. R-4860	
	Exhibit No. D	
в.		
18. I hereby certify that the information	s obove To true and complete to the bost of my knowledge and belief.	
	Managing Cooleriat 0 11	oumal la company
Sarry (	Cisa, Managing Geologist, Geoth	ermal January 5, 1976
TO MALLOW ME TO SERVICE ME SERVI	THE RESIDENCE OF THE PROPERTY	
(120 /10	PENIAD RETPOSEIN PERIAPET	11 /
APPROVED BY WILL WOO	SENIOR PETROLEUM GEOLOGIST	DATE 4/26/77
CONDITIONS OF APPROVAL, IF AND	<i>f</i> •	,

NEW MEXICO OIL CONSERVAT P. O. Box 2088, Sant			Form G-103 10-1 74
File  N.M.B.M. SUNDRY NOTICES AND	) REPORTS	j Marij	
U.S.G.S. ON GEOTHERMAL RESOURCE		5. Indicate Type of State X	Fen []
Land Office		GTR-232	allallar.
(DO NOT UB) THIS FORM FOR PROPOSALS TO ORICL OR TO DEEPEN OR FLUG SACK TO URL "APPLICATION FOR PERMIT —" (FORM G-101) FOR SUCH PROPO	DVALS.)	V	
1,65 0	rservation [X] /Disposal []	7. Unit Agreement	Nam <b>e</b>
Name of Operator		8. Farm of Lease	Name
AMAX Exploration, Inc.		9. Well No.	
4704 Harlan Street, Denver, Colorado 80212	·	19	
UNIT LETTER I 2000 PEET FROM THE South LINE	AND FEET FROM	10. Field and Poo	I, or Wildcat
THE East LINE, SECTION 29 TOWNSHIP 275	IANGE 19W HMPM		
15. Elevation (Show whether DF, RT 4425' ground le		Hidalgo	
Check Appropriate Box To Indicate Nature NOTICE OF INTENTION TO:		her Data T REPORT OF:	
PERFORM REMEDIAL WORK PLUG AND ABANDON REMED	DIAL WORK	ĀLTIRI	NE CASING
<del> </del>	FNCE DAILLING OPNS.  G TEST AND CEMENT JOS	PLUG A	AD A BANDON MENT
	Completion and At	oandonment In	formation (
OTHER			
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and work) ser RULπ 201.		estimated date of s	sarting any proposed
Method of Completer the drill hole is completed and the drill rods mately 2.54cm (l") in outside diameter which has been tole. The pipe is filled with water and capped. The filled with drill cuttings. The drilling program was Abandonment Proche PVC pipe is cut off below ground level. The upper any remaining depression is filled with soil and the ariginal appearance and contour. All drilling related bandonment of hole occurred between December 16 and E	removed from the hole capped on the botto space around the icompleted on Novembedure 3 meters (10 feet) area is raked to result refuse is removed.	om is inserte intruded pipe per 6, 1976 is filled w	ed into the is then back
-			
Order No. R-	4860		
Exhibit No.	D	•	
		•	
18. I hereby certify that the information above To true and complete to the best of my kr	iowledge and bellef.		
Managir Managir	ng Geologist, Geothe	ermal Janu	ary 5, 1976
THE RESIDENCE OF THE PARTY OF T			
SENIOR PET	ROLEUM GEOLOGIST	_ DATE 4/	26/77
CONDITIONS OF APPROVAL, IF ANYI			

NO. O' COPILE NECLIVED 5 NEW MEXICO OIL	CONSERVATION CO	OMMISSI	ON		t t
	2088, Santa Fe				
File / / /			SEP 22	Form G-1	01
N.M.B.M.		100			Type of Lease
U.S.G.S. / APPLICATION FOR	PERMIT TO DRIE	L. DEE!	SEN.	C STATE X	ree 🗌
Operator / OR PLUG BACK				S. State Lean	e No.
Land Office /				GTR	₹-232
Land Office 17 1			7	TTTTT	
•			1		
Drill [X] Deepen [	] Plu	n Back	ГТ	7. Unit Agree	
	-		,	N	łA
b. Type of Well Geothermal Producer [ ]	Temp Obser	vation	[x]	8. Farm or Le	rase Name
Low-Temp Thermal [ ]	Injection/Di	sposal		N	IA
2. Name of Operator				9. Well No.	
AMAX Exploration, Inc.					19
3. Address of Operator		<del></del>			Pool, or Wildest
4704 Harlan Street, Denver, Colorado 80212	•		1		NA
	100 FEET FROM THE	South	LINE		
UNIT GETTER	- 12C, FROM THE				
AND 800 FURT FROM THE EAST LINE OF SEC. 2	9 TWP. 27S	RGE. 19W	NMPM		
	MITTITI			12. County	MITTI
				Hidalg	10 (////////////////////////////////////
	19. Proposed De	! <i>E</i>	A Formation	or	20. Hotory or C.T.
	<pre>&lt;500 fee</pre>	et j	ertiary	Volcanid	s Rotary
21. Elevetions (Show whether DF, RT, etc.) 21A. Kind & Stotus Plug		ontractor		22. Approx.	. Date Work will start—
4425' ground level multipl	e			Octobe	er 1, 1976
23.	SING AND CEMENT PRO	OCDAM			
PROPOSED CA	SING AND CEMENT PRO	UGRAM			
	R FOOT SETTING		SACKS OF	CEMENT	EST. TOP
4 3/4 to 6 inch   1" in outside   5 ounce	es total c	lepth	NA		<u>NA</u>
diameter diamter PVC					
pipe		· · · · · · · · · · · · · · · · · · ·			
1				ا مامدات آ	مل ف مديده
Drilling of one (1) geothermal hole to dep	ths not to exce	ea suu	reet. A	+ 10C0	in outside
diameter PVC pipe capped on the bottom will The hole will be backfilled with cuttings.					
water and the system allowed to reach equi					
measurements will be taken from the holes				ti u tu .	t chiper a car c
measurements with be taken from the notes	over the chair	ig moner			———
					ACREES
IN THE EVENT WELL-BORE EXTERNITION OF PLU		TIATER	SANDS, OF	ERATUR	AGRES
IN THE EVENT WELL-BORE EXTENT TO EITHER SET CASING OR PLUTUPON CONCLUSION OF TEMPERATE OF THE CEMENT FROM SURFACE TO	IDS BELOW FRESH	PROTECT	SUCH ACC	Of Theko.	T.HGGED
IN THE EVENT WELL-BORD OR PLU	3 BACK HOLE TO	PERIOD	WELL IS	TO DE r	
TO EITHER SET CASING OR PLU- UPON CONCLUSION OF TEMPERAT WITH CEMENT FROM SURFACE TO	URE OBSERVATION	PTH OR	GREATER.		
UPON CONCLUSION OF THE TO	TEN FEET OF DE				
WITH CEMENT FROM SURFING					
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO	DEEPEN OR PLUG BACK, G	IVE DATA ON	PRESENT PROD	DUCTIVE ZONE	AND PROPOSED NEW PRODUC
TIVE ZONE. CIVE BLOWOUT PREVENTER PROGRAM, IF ANY.					
I hereby certify that the information above is true and complete to the be	st of my knowledge and b	elief.			
Signed All An Alle True Mai	nager, Geotherma	al Explo	oration -	9-	-20-76
				ute	
(This space for State Use)					
Carl Ulvog SI	NIOR PETROLEUM GEO	LOGIST		a	104/-1
APPROVED BY TITLE	TAUNIT & PRINCIPALITY OF		D	ATE	24/76
CONDITIONS OF APPROVAL, IF ANY:					•

#### NEW MEXICO OIL CONSERVATION COMMISSION

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances must	be from the outer bou	ndaries of the Section	n.	
Operator			Leane		15 2 2 1 1	Well No.
AMAX Exploration   Section		Township	GTR-			
	29	275	19W	County Hida		
Acts of Contage Location (		1 4/3	[ 1 3 W	. I HIUA	igo ,	
2000 too	t from the	South' line	und 800	feet from the	East	line
Ground Level Floy.	Producing For	mation	Pool			Dedicated Acreage:
4425'	NA_				<u>NA</u>	NA Acre
Outline the act     If more than of interest and ro	one lease is					the plat below. NA thereof (both as to workin NA
	unitization, u	ifferent ownership initization, force-possess; types; type	ooling.etc?		e interests o	of all owners been consoli NA
this form if nec No allowable w	essary.) ill be assign	ed to the well until	all interests hav	e been consolid	ated (by cor	dated. (Use reverse side of the communitization, unitization napproved by the Commis
<u> </u>	İ		1	······	<b>T</b> [	CERTIFICATION
	     		       		tained h	certify that the information core of the last the complete to the hydrogeneous and belief the complete to the last the l
				·	Manager Company	, Geothermal Exploration, Inc.
	           		. 1		shown of notes of under my is true	r certify that the well location this plat was plotted from fiel actual surveys made by me or supervision, and that the som and correct to the best of mige and belief.
			.		Date Surve	NA Professional Engineer ad Surveyor
0 330 880 90	1320 1650 198	2210 2540	2000 1500 10	000 500	Certificate	No.

NO	DISTRICUTION	1 .			XICO OIL CONS O. Box 2088,					,	
U. On	le M.B.M. S.G.S. erator nd Office			APPLICA OR PLUG	ATION FOR PER G BACKGEOT	MIT TO HERMAL	DECOUDEE	S WELL	STATE	Type of Leas	
						· ·	J. C.C. C.	igna (e			
	Type of Work	Drill			eepen []		Plug Bac		7. Unit Agre	ement Name  A	
b. 7	Type of Well			roducer rmal [	~		oservatio n/Disposa			ease Name IA	
	ame of Operator  AMAX Explor	ation,	Inc.						9. Well No.	19	
J. Ac	4704 Harlan	r·		r, Color	ado 80212				10. Field an	NA	cct
. Lo	ocation of Well	UNIT LETTE	, NA		ATED 2000	FECT FROM	THE South	LINE			
AND	800	PERT FROM	THE Eas	t LIN	E DF SEC. 29	TWP.	275 RGE. ]	19W NMPM			
									12. County Hidalo		
4		<i>}</i>	<i>}}}}}</i>	<i>}}}}}</i>					IIIIIIII		
///		444	4444			19. Propo	sed Depth	19A Formation ATTUVIUM		20. Hotery or	<u> </u>
JJ						X	feet	<u>  Tertiary</u>	Volcanid	s Rot	ary
21.1	Tevelion (Show) 4425'	<i>checherDE</i> , ground		21A. Kind	& Status Plug. Bond multiple	21B. Dril	ling Contracto	r		Date Work w! er 1, 1976	
23.		J		P	ROPOSED CASING A	ND CEMEN	T PROGRAM				
ـــ.	SIZE OF HO	LE	SIZE OF	CASING	WEIGHT PER FO			H SACKS OF	CEMENT	EST.	TOP
	4 3/4 to 6		1" in o	utside	5 ounces		al depth	NA		NA	
	diameter		diamter pipe	PVC	<u> </u>						<del></del>
•	diameter PV The hole wi water and t	C pipe 11 be b he syst	geoth capped cackfillo cackfillo	on the bo ed with o wed to ro	le to depths ottom will be cuttings. Th each equilibr he holes over	insert e inser ium wit	ed into t ted PVC p h the sur	the hole to pipe is the rrounding	o total o en filleo	lepth. I with	
											•
		•						•			
	•							•			
					•			; :	• .		
						•					
		•	•								
N A E	BOVE SPACE DES	SCRIBE PR UT PREVENT	OPOSED PR	OGRAM: IF	PROPOSAL IS TO DEEPE	N OR PLUG B	ACK, GIVE ĐẤTA	ON PRESENT PRO	DUCTIVE ZONE	AND PROPOSED	NEW PRODUC
here	by certify that the	e loformette	on above is t	rde and comp	lete to the best of my	knowledge	and belief.			<del></del>	
iryb	hall	M	Kelle	,	Tile Manager	, Geoth	ermal Exp	oloration	Date9-	-20-76	
	(This	space for	State Use)					,			
, pps	OVED BY C	arl (	Wood	Ž	SENIOR	PETROLEU	M GEOLOGIS	.T	9/	24/76	

## GEOTHERMAL RESOLUCES WELL LOCATION AND ACREAGE DEDICATION PLAT

		7111 01012110			laries of the Sec	<del>11011.</del>	
Cherotor AMAX Exploi	ration, Inc.		L	GTR-2	32	C:	Well rio.
July Patter	Section 111C.	Township		Homan	Count	<del>y</del>	231.
NA	29	275		19W	Hid	algo (	
Actual Footoge Loc				<del> </del>			A 11 11 (4 1/12)
2000	feet from the	South'	bre entl	800	fact from t	h• East	10 Tolline
Citound Ligari Llov.		notton	Po	lool			Dedicated Acreage:
4425'	NA_			<del></del>		NA NA	· NA Act
2. If more th							he plut below. NA hereof (both as to working NA
dated by o	Communitization,  No If a	unitization, f	force-pooling	etc? consolidation			all owners been consol NA
this form i No allowa	f necessary.) ble will be assign	ned to the we	ll until all ir	iterests have	been consol	idated (by com	ated. (Use reverse side of the committee of the commission) approved by the Commission of the commissi
	1		`	1	,	71	CERTIFICATION
ļ		-		į		11	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		tained he	certify that the information converted to the property of the
	+					Name  W. M. Do  Position  Manager,	lan  Geothermal Explor
·				! ! !		Company	loration, Inc.
				<del></del>			
						shown on notes of under my is true o	certify that the well location this plat was plotted from field actual surveys made by me consupervision, and that the same and correct to the best of me and belief.
	   			     		N Date Survey	
	1	1		•	•		