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

# (14-36)-27S-20W Amax Exploration, Inc. (Hidalgo County)

22-J(PA); 11-I(PA) & GTR-237-17-A(PA)

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

October 5, 1977

Amax Exploration, Inc. 4704 Harlan Street Denver, Colorado 80212

Re: \$2,000 One-Well Low-Temperature
Thermal Well or Geothermal
Observation Well Bond,
Amax Exploration, Inc., Principal
Firemans Insurance Company of
Newark, New Jersey, Surety
Sec. 14, T-28-S, R-20-W
Bond No. BND 207 84 39

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

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

NO. OF COPIES RECEIVED			Santa Fe 87501	,	10-1 7	
File		0. DOX 2000,	- Sun cu T & 07501	, , , , , ,	1	·
N.M.B.M.	· ·	SUNDRY NOTICE	S AND REPORTS		\$\vec{\psi}_{\psi}\$.	
U.S.G.S.			N	€. I	to Type of Lease	. [67]
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Land Office				Siv State C		
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2. Name of Operator	-Temp Thermal U	10	jection/Disposal 🔲	8. Form o	NA Lease Name	
AMAX Exploration	n, Inc.	•		Clayt	on Yarbroug	jh
3. Address of Operator .				9. Well N		
	eet, Denver, Colora	ado 80212		10 51-14	44 Pool, or Wild	
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		1725' ground	level	Hidal	go	777777
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		Order No	. R-4860			
,	•	Exhibit				
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Id. I hereby certify that the	Information above is true and	complete to the best	or my knowledge and belief.			
Xlarr.	Casan	Ma	naging Geologist, G	Geothermal	January 5	, 1976
FIGHED 7 - CO		TITUE	400	DATE		
Oca no P	110	C	NIOR PETROLFUM GEOLOGI	ST	5/251	100

CONDITIONS OF APPROVAL, IF ANY

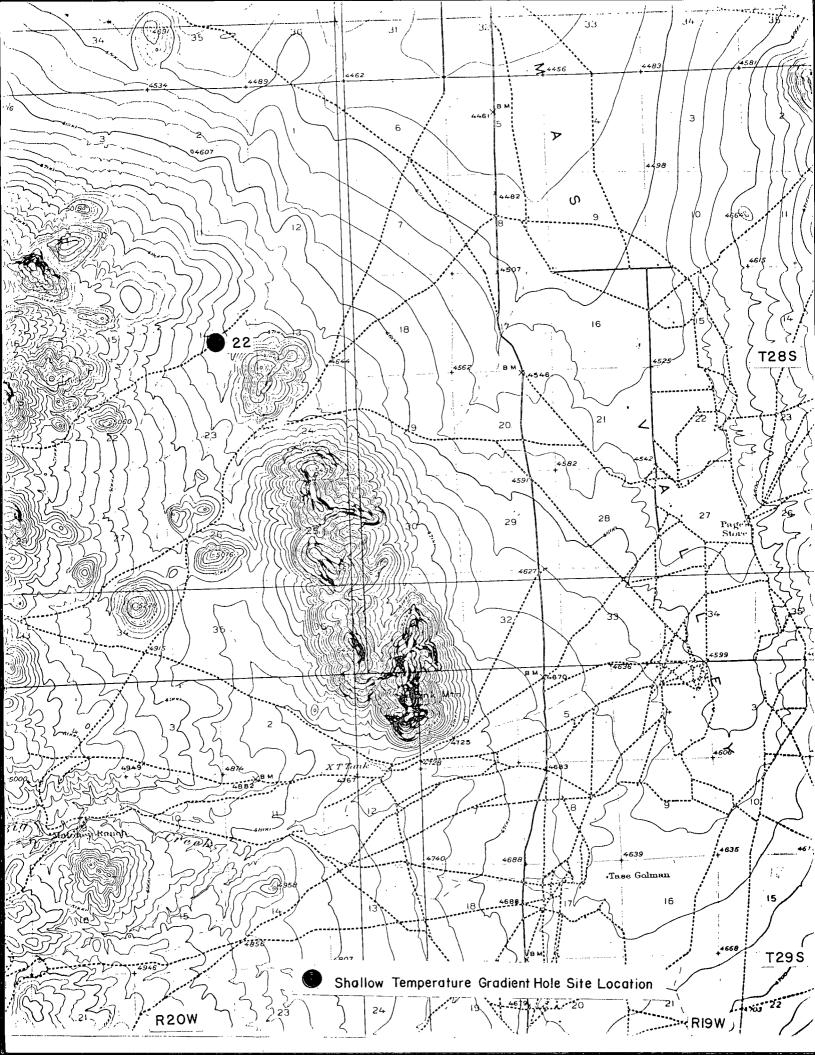
CONDITIONS OF APPROVAL, IF AND	. <i>'</i>
Carl Ulvag SENIOR FETROLEUM GEOLOGIST	_ DATE 5/25/77
Managing Geologist, Geother	ermal January 5, 1976
18. I haveby certify that the information above is true and complete to the best of my knowledge and belief.	
Exhibit No. D	
Order No. R-4860	
	•
any remaining depression is filled with soil and the area is raked to repriginal appearance and contour. All drilling related refuse is removed bandonment of hole occurred between December 16 and December 18, 1976.	store the site to its
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Check Appropriate Box To Indicate Nature of Notice, Report or Or NOTICE OF INTENTION TO:   SUBSEQUEN	her Data T REPORT OF:
15. Elevation (Show whether DF, RT, CB), etc.)  4725' ground level	Hidalgo
THE East LINE, BECTION 14 TOWNSHIP 285 RANGE 20W NMPM	
UNIT LETTER	
. Location of Well	10. Field and Pool, or Wildcat
Address of Operator 4704 Harlan Street, Denver, Colorado 80212	9. Well No.
AMAX Exploration, Inc.	8. Form of Lease Name Clayton Yarbrough
Type of Well Geothermal Producer [] Temp Observation [X]  Low-Temp Thermal [] Injection/Disposal []	7. Unit Agreement Name
(00 NOT UBL THIS FORM FOR PROPOHALS TO DRILL OR TO DEEPEN OR PLUC BACK TO A DIFFERENT RESERVOIR, URL "APPLICATION FOR PERMIT "" (FORM G-101) FOR BUCH PROPOPALS.)	
Land Office	Sa State Lease No.
U.S.G.S. ON GEOTHERMAL RESOURCES WELLS	Indirate Type of Lense
File  U.M.B.M. SUNDRY NOTICES AND REPORTS	
P. 0. Box 2088, Santa Fe 87501	10-1 74
NEW MEXICO OIL CONSERVATION COMMISSION	Form G-103

A Comment					raig/8/	SV25
NO. OF COPILS HECLIVED	- <b>4</b> N		SERVATION COMMISS 3, Santa Fe 87501	(. 11.)	OCT 15	
File N.M.B.M. U.S.G.S. Operator Land Office			RMIT TO DRILL, DEE THERMAL RESOURCES	PEN,	FOYM G-10 SA. Incleate STAIC S. State Leane	Fre X
In. Type of Work	rill [x]	Deepen [ ]	Plug Back		7. Unit Agreen	ment Name
b. Type of Well G		lucer []	Temp Observation Injection/Disposal	[x ]	8. Farm or Lea NA	ase Name
2. Name of Operator AMAX	Exploration, Ir	nc.		,	9. Well No. 22	2
3. Address of Operator 4704	Harlan St., Der	over, Colorado 802	?12		10. Field and	Pool, or Wildeet
4. Location of Well uni	T LETTER # J	LOCATED 2600	FECT FROM THE SOUT	h LINE		
AND 2600	T TROM THE	ast line of sec. 14	TWP. 285 RGF. 20		12. County	
					Hidalgo	
			7 500 reet  t	11uvium c ertiary v	or olcanics	
21. Cleverion (Show when 4725 gro	und level	IA. Kind A. Status Plug. Bon Single	Hugh M. Harris D	rilling (	4	Date Work will start— T
23.		PROPOSED CASING	AND CEMENT PROGRAM		·•	
SIZE OF HOLE 4 3/4 to 6"		·	OOT SETTING DEPTH	SACKS OF		EST. TOP
diameter	diameter	outside 5 ounce PVC	total depth	cement 10 fee		
	pipe			-		
diameter PVC pi The hole will b water and the s measurements wi	pe capped on the backfilled waystem allowed to be taken from	ne bottom will be ith cuttings. The to reach equilibri om the holes over	not to exceed 500 f inserted into the e inserted PVC pipe ium with the surrou the ensuing months	hole to to is then nding str	cotal dep filled w rata. Ter	th. ith mperature
	N THE EVEN WELL O EITHER SET C JPON CONCLUSION WITH CEMENT FRO	L-BORE EXTENDS BEI ASING OR PLUG BAC OF TEMPERATURE O OM SURFACE TO TEN	LOW FRESH WATER SAN K HOLE TO PROTECT S BSERVATION PERIOD S FEET OF DEPTH OR G	DS, OPERA SUCH ACOU WELL IS T REATER.	ATOR AGRE	GGED ,
H ABOVE SPACE DESCH	BE PROPOSED PROGRAM, IF	FLAM: IF PROPOSAL IS TO DEER	PEN OR PLUG BACK, GIVE DÅTA OF	N PRESENT PROD	DUCTIVE ZONE A	ND PROPOSED NEW PRODU
hereby contry that the int	Antion above is true	and complete to the best of a	my knowledge and bellef.	ration n	Pare 10	-12-76
(This spo	ce for State Use)					
APPROVED BY Car	l Ulvag	SENI	OR PETROLEUM GEOLOGIST		10/	18/76

CONDITIONS OF APPROVAL, IF ANYL

NEW MEXICO OIL CONSERVATION COMMISSION FORM G-102
GEOTHERMAL RESOLUCES WELL LOCATION AND ACREAGE DEDICATION PLAT

		· · · · · · · · · · · · · · · · · · ·	All distances must be		er boundaries of	the Section	1 %	-0 10, 11
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3.			different ownership is unitization, force-poo		d to the well,	have the i	nterests of	all owners been consoli-
	Yes	☐ No If a	answer is "yes;" type	of consoli	idation			NA
	this form if No allowab	necessary.) le will be assign	ned to the well until a	all interest	s have been o	onsolidat	ed (by con	ated. (Use reverse side of munitization,
· 	forced-pool sion.	ing, or otherwise	e) or until a non-stand	ard unit, e	liminating suc	h interest	s, has been	approved by the Commis-
		1			1			CERTIFICATION
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		1			1		Date 10-12-7	<sup>'</sup> 6
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#### 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.

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	cer [] I	emp Observation ection/Disposal		B. Farm or Lea NA	se Name
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			//////	Hidalgo	
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3.	PROPOSED CASING AND	D CEMENT PROGRAM		•	
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(This space for State Use)					
PROVED BY Carl Ulvog	TITLE SENIOR P	ETROLEUM GEOLOGIST	D	ATE 10/	18/76
SHIPLE DE L'ERROULL LE LUIL					

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Registered Professional Engineer

and/or Land Surveyor

Certificate No.

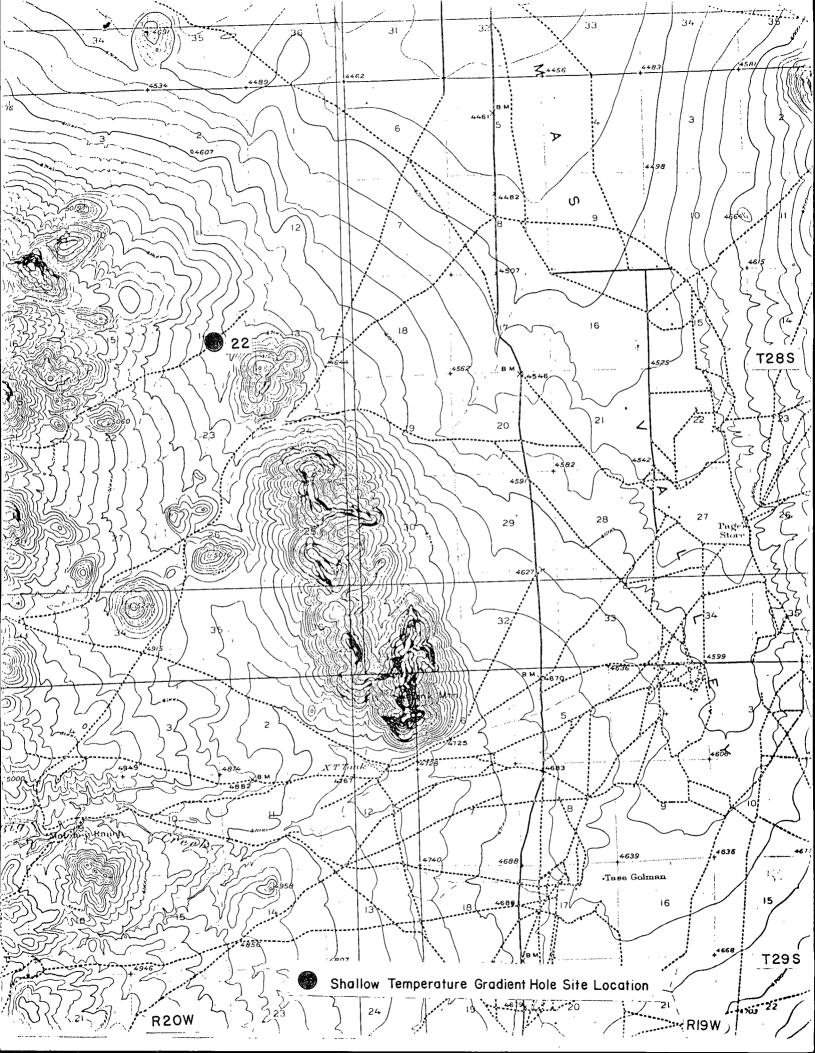
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NEW MEXICO DIL CONSERVATION COMMISSION P. O. Box 2088, Santa Fe 87501	10-1: 74
File / / Bux 2000, Santa Te 0/301	
H.M.B.H. SUNDRY NOTICES AND REPORTS	
U.S.G.S. 0N	5. Indicate Type of Lease State X
Operator GEOTHERMAL RESOURCES WELLS Land Office	State (A) 1 ee
Land Office Inv 10 3.	State Highway
IDO NOT USE THIS FORM FOR PROPORALS TO DRILL OR TO DESPEN OR PLUC SACE TO A DIFFERENT RESERVOIR.	
Type of Well Geothermal Producer Temp Observation X	7. Unit Agreement Name
Lovi-Temp Thermal Injection/Disposal	8. Farm or Lease Hance
AMAX Exploration, Inc.	NA .
AZOA Hanlan Street Denvey Colorado 20272	9. Well No.
4704 Harlan Street, Denver, Colorado 80212	10. Field staff Pool, or Wildcat
UNIT LETTER I 2000 FEET FROM THE SOUTH LINE AND 700 FEET FROM	АИ
THE East LINE, SECTION 23 TOWNSHIP 275 MANGE 20W NMPM	
15, Elavation (Show whether DF, RT, CB, etc.)	12. County
4400' ground level	Hidalgo
Check Appropriate Box To Indicate Nature of Notice, Report of Other	
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PERFORM REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
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17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including	g astimated date of starting any proposed
work) ∎RR NOLE 201.  Method of Completion	
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Abandonment Procedure	
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bandonment of hole occurred between December 16 and December 18, 1976.	
Order No. R-4860 Exhibit No. D	•
EXHIBIT NO. D	
	•
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
Managing Geologist, Geoth	ermal January 5, 1976
PIONED SURVEY CHEROLIC TITLE	DATE CUITALLY J, 13/0
Carl Ulvog SENIOR PETROLEUM GEOLOGIST	_ OATE 4/26/77
CONDITIONS OF APPROVAL, IF ANY	

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DISTRIBUTION	P. O. Bo	ox 2098,	Santa Fe 8750	1		10-1 74
File						
N.M.B.M.	SUNDRY	Y NOTICE:	S AND REPORTS -		5. Indicate Type	
U.S.G.S.		10	•		State X	or Lease
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Low-Temp Th			ection/Disposal		NA	
2. Name of Operator			CHI		8. Form or Lease	Nanie
AMAX Exploration, Inc.	·				NA 9. Well No.	
J. Address of Operator  4704 Harlan Stroot Do	anyon Colonado	21202			7]	
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17. Describe Proposed or Completed Opwork) sen RULE 203.		•		aates, including	extimated date of	starting any proposed
	Me	thod of	Completion		•	
After the drill hole is o	ompleted and the	drill r	ods removed fr	om the hol	e, a PVC pi	pe of approx-
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Any remaining depression	is filled with s	oil and	the area is ra	ked to res	tore the si	te to its
original appearance and c Abandonment of hole occur	contour. All dri	Iling re	lated refuse i	s removed	and properl	y disposed of.
Abandonmente of hore occur	red between bete	mber 10	and becember to	0, 1976.		
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			R-4860	•	•	
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<i>G</i>						·
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O Sarry (	lesen/	Ma	naging Geologi	st, Geothe	rmal Jan	uary 5, 1976
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וווווו	<del>-</del>	eepen [ ]	Plug Back	I	NA	
	mmal Producer ip Thermal [		ection/Disposal		8. Farm or Le NA	
2. Name of Operator AMAX Exploration, In	nc.				9. Well No.	1 .
3. Address of Operator 4704 Harlan St., Den	nver, CO 80212				10. Field and	Pool, or Wildeet
	NA I LOC.		ET FROM THE South	LINE		
AND 700 PERT FROM THE	E East LIN	E OF SEC. 23 TV	vp. 27S RGE. 20V	V HMPM		
					12. County Hida	1go
	HHHHH		Proposed Depth	Formation UV TUM	or [	20. Rotary or C.T.
21. Elevations (Show whether DF, RT,	(), etc.) 21A. Kind	& Status Plug. Bond 21	<500 feet Te	ertiary	volcanick	rotary  Date Work will start—
4400' ground level	m	ultiple		- · · · · · · · · · · · · · · · · · · ·	Octob	er 1, 1976
23.	Р	ROPOSED CASING AND	CEMENT PROGRAM			
The same of the sa	SIZE OF CASING  1" in outside	WEIGHT PER FOOT	setting depth	SACKS OF	CEMENT	EST. TOP
diameter di	iameter PVC	5 ounces	total depth	. IVA		NA
pi	ipe					
Drilling of one (1) diameter PVC pipe ca The hole will be bac water and the system measurements will be	apped on the b ckfilled with n allowed to r	ottom will be i cuttings. The each equilibriu	nserted into the inserted PVC pip m with the surro	e hole to be is the bunding :	o total d en filled	epth. with
•				ODERA'	TOR AGREE	s
		TATEMOS BELOW F	RESH WATER SANDS	A ACQUIF	ERS.	ED
IN THE EVENTO EITHER UPON CONCL WITH CEMEN	NT WELL-BORE SET CASING OR LUSION OF TEMP NT FROM SURFAC	PLUG BACK HOLE ERATURE OBSERVA CE TO TEN FEET (	RESH WATER SANDS TO PROTECT SUCH TION PERIOD WELL OF DEPTH OR GREA	L IS TO		
IN ABOVE SPACE DESCRIBE PROPI	POSED PROGRAM: IF I	PROPOSAL IS TO DEEPEN OF	PLUG BACK, GIVE DÅTA ON	PRESENT PRO	DUCTIVE ZONE	AND PROPOSED NEW PRODUC
I hereby cestily that the information a	above is true and comp	olete to the best of my kn	owledge and belief.	<del></del>		-
Signed Man And	Wellen	Title Manager,	Geothermal Expl	loration	Date 9-2	0-76
(This space for Stat	te Use)					
APPROVED BY Carl U	lvog	SENIOR PET	ROLEUM GEOLOGIST		DATE 9/	24/16
CONDITIONS OF APPROVAL, IF AN	NY: U					

#### NEW MEXICO OIL CONSERVATION COMMISSION

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

All distances must be from the outer boundaries of the Section Well No. State Highway?? 11 AMAX Exploration, Inc. Unit Letter Section Township Hongo County 20W 23 27S Hidalgo NA Acts il Footern Location of Well: 700 South East 2000 feet from the line and feet from the Dedicated Acrean Ground Level Filev. 4400 Producing Pormation Pool NA Acres 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 the of mythnowledge and believe William M. Dolan Manager, Geothermal Exploration 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 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. 330 90 1320 1650

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NO. OF COPILS HECLIVED  DISTRIBUTION				RVATION COMMISS Santa Fe 87501		,	
File					SEP 22	Form G-	Type of Lease
N.M.B.M. U.S.G.S.		APPLICAT	ION FOR PERMI	T TO DRILL ! DEE	PEN,	STATE	X FEE
Operator Land Office		OR PLUG	BACKGEOTHE	RMAL RESOURCES	WELL 0	State I	ighway
. Type of Work Dri	]] [x]	Dee	pen []	Plug Back	[]	7. Unit Agre	ement Name A
	thermal Pr -Temp Ther		[] Te Inje	emp Observation ection/Disposal		8. Farm or L	
Name of Operator AMAX Exploration	n, Inc.						11
.Address of Operator 4704 Harlan St.,	, Denver, (	0 80212			ļ	10. Field an	d Pool, or Wildcet
. Location of Well UNIT LE	TTER NA  CM THE East	LINE		EET FROM THE SOUT			
						12. County Hida	algo
Literations (Show whether					Alluvium ertiary	volcanic	20. Rotary or C.T.  rotary  Date Work will start
4400' ground lev		ł	tiple	1B. Diffing Confideror			per 1, 1976
		PRO	POSED CASING AND	CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF		EIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
4 3/4 to 6 inch diameter	l" in c		5 ounces	total depth	NA NA		NA .
d raine cer	pipe	1 10					
Drilling of one diameter PVC pip The hole will be water and the symeasurements will	e capped o backfille stem allow	on the bot d with cu wed to rea	ctom will be i uttings. The ach equilibriu	nserted into th inserted PVC pi m with the surr	e hole to pe is the ounding s	total o	depth. I with
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ABOVE SPACE DESCRIBE TE ZONE. GIVE BLOWOUT PACVI	PROPOSED PE	OGRAM: IF PRO	PCSAL IS TO DEEPEN OF	R PLUG BACK, GIVE DÅTA OF	N PRESENT PRO	DUCTIVE ZONE	AND PROPOSED NEW PRODU
ereby certify that the Inform	All above is if		e to the best of my kn	Geothermal Exp	loration	Date : 9-2	20-76
(1 his space)	or State Use)						
Carl	Ulvar	<del>3</del>	_ SENIAR PET	ROI FIIM GENLAGIST		9/	24/16

### NEW MEXICO OIL CONSERVATION COMMISSION

GEOTHERMAL RESOLUCES WELL LOCATION AND ACREAGE DEDICATION PLAT

AMAX Exp1	oration, I	nc.		Lease	State	Hi⁄ghway	SE2 22	Well the	
it Letter ;	Section 23	Township 27S		Hong	·	County			
ts il Footoge L	ocation of Well:			L		1	T'	e	**************************************
2000	feet from the		h • line and		700	ot from the	Eas	lina	· · · · · · · · · · · · · · · · · · ·
4400 <b>1</b>	v. Produc	Ing Formation NA		Pool			NA	Dedicated Acre	ÑÄ Acres
1. Outline	the acreage of	ledicated to th	ne subject w	rell by col	lored pencil o	or hachure	marks on	the plat below.	AL A
9 If more	than one lea	se is dedicate	ed to the we	ll. outline	each and ide	entify the	ownership	thereof (both a	NA s to working
	und royalty).				•				NA NA
3. If more t	than one leas	e of different o	ownership is	dedicated	l to the well,	have the	interests o	of all owners b	
		tion, unitizatio							NA
Yes	☐ No	If answer is	"yes;" type	of consoli	dation			÷.	
						otuallu L-	nn 01!	dated. (Use rev	
	ris no, lis if necessary	_	and tract des	cuptions !	waten have a	ciually be	en consoli	uatea. (Use ret	verse side o
								mmunitization,	
· forced-po - sion.	ooling, or othe	rwise) or until	a non-standa	rd unit, el	liminating suc	ch interest	s, has bee	n approved by	the Commis
			T		1			CERTIFICAT	 ЮN
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	i			•.	1	1	1. 1	nerein is true and my funowingage and	_
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·	+ _		<u> </u>	·	 		Name	M Dalan	
	į				1		Position	M. Dolan	
	1				1	·	1	, Geotherma	l Explora
	}					.	AMAX Ex	ploration,	Inc.
	1				1		Date 9-20-76		
					1		3 20 70	<del>'</del>	<del></del>
	1				İ			y certify that the	
•	i i	•						y cerrity that the on this plat was pl	
	1					)	1 .	f actual surveys	
	i		·		1		į	y supervision, and and correct to t	
							knowled	lge and belief.	
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· == == == == == == == == == == == == ==			i		•	i.	Date Surv	· · · · · · · · · · · · · · · · · · ·	
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· <del></del>					   		Registered	eyed i Professional End nd Surveyor	jineer
					1		Registered	d Prolessional End	jineer

NO TOP COPICE RECEIVED 3		IL CONSERVATION C		1	torn G-103	1
DISTRIBUTION	P. O. Box	x 2088, Santa Fe	8/501		10-1 74	
File	a.c.usts.r	NOTICES AND BEDO	n=0 10.	ray of		
U.M.B.M.	SUNDRY	NOTICES AND REPO	RTS	5. Indicute, Type	of Lease	
Operator I	GEOTHEI	ON RMAL RESOURCES WE	115	Stale X	Fen [	
Land Office	OLOTHE	WINE RESOURCES HE	LL3	GTR-237	5.	
				GIR-23/	4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	
100 NOT USE THIS FORM FOR PROP	OBALS TO ORILL OR TO DEEPE	(N OR PLUG BACK TO A DIFFER ( 103) FOR BUCH PROPOSALS,)	ENT PERENVOIR.			777
· Type of Wall — Geothermal Pri	oducer I''l	Temp: Observatio	ın [v]	7. Unit Agreemen	Name	27
Type of Well Geothermal Pro Low-Temp The	<del></del>	Injection/Dispose	· A	ΔN		
Name of Operator	.111103		Ni Conf.	8. Farm or Lease	· Ilanie	
AMAX Exploration, Inc.				NA		
. Address of Operator		0.07.0		9. Well No.		
4704 Harlan Street, Der	iver, Colorado 8	0212		10. Field out Po	ol or Wilden	
	700	)	00		or, or wrided	
UNIT LETTERA	/UU PERY FROM THE	North Line AND _5	UU PEET PROM	TITTITI	mmm	177
Fast was according	36	27S RANGE -	20W			111
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	/////	ow whether DF, 'RT, CB, esc		12. County		$\mathcal{M}$
		O' ground level		<u>LHidalgo</u>	_//////////////////////////////////////	777
	• • •	idicate Nature of Not	•			
NOTICE OF IN	FENTION TO:		SUBSEQUENT	REPORT OF		
MERFORM REMEDIAL WORK	FLUG AND AB	ANDON REMEDIAL WORK	. —			
TEMPORARILY ASAMOON	,	COMMENCE DAIL	=	PLUG	AND ABANDONMENT	H
PULL OR ALTER CASING	CHANGE PLAN	(-1)	<del>}</del> {			W,
		OTHER COIN	pletion and Ab	<u>andonment I</u>	nformation	
OTHER						
17. Describe Proposed or Completed Ope	erations (Clearly state all p	ertinent details, and give pe	rtinent dates, including	estimated date of	starting any prope	osed
work) DER MULE 201.	Mot	had of Completion				
fter the drill hole is co		hod of Completion		e a PVC ni	no of anny	<b>.</b> v
mately 2.54cm (l") in out	tside diameter whi	ch has been canne	d on the botto	m is insert	ed into the	2
iole. The pipe is filled	with water and c	apped. The space	e around the i	ntruded pip	e is then b	back
illed with drill cuttings	The drilling	program was compl	eted on Novemb	er 6, 1976		
he DVC pine is cut off he		donment Procedure		3. 6377.4		
he PVC pipe is cut off being remaining depression in	is filled with so	. The upper 3 me	s raked to res	tore the ci	with cement	٠.
riginal appearance and co	ontour. All dril	ling related refu	ise is removed	and properl	v disposed	οf.
bandonment of hole occurr	ed between Decem	ber 16 and Decemb	er 18, 1976.		J J	
•		·	•			
	•					
	Ord	der No. R-4860			•	•
		khibit No. D	•			
· 6		<del>-</del>				
	•					
18. I hereby certify that the information	shave is true and complete	to the best of my knowledge	and belief,	<del></del>		
$\sim \sim $	7. ·	Managing Coc	Nomict Coath	wmal la.		7.0
EIONED XJAVILY SIL	csou	TITLE	ologist, Geothe	dilla jar	uary 5, 197	10
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Carl Ill.		SENIOR PETROLE	IIM GEOLOGIST	4,	26/77	
CONDITIONS OF APPROVAL, IF ANY	1	TITLE CALIFOR I LINULE	om quoquoist	DATE !	///	<del></del> -
COMPUTED OF APPROVAL, IF ANY	V		•			

NEW MEXICO OIL CONSERVATION COMMISSION	Form G-103
P. O. Box 2088, Santa Fe 87501	10-1, 74
File	
	7. 3.184
	5. Indicate Type of Lease
	State X
Operator GEOTHERMAL RESOURCES WELLS	5/ State Lease No.
Land Office	GTR-237
	mmmmmm .
(00 NOT UBE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG 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
	A170
Low-Temp Thermal Injection/Disposal	8. Farm of Lease Name
	· NA
AMAX Exploration, Inc.	9. Well No.
4704 Harlan Street, Denver, Colorado 80212	17
4. Location of Well	10. Field and Pool, or Wildcat
UNIT LETTER A	······································
THE East LINE, BECTION 36 TOWNSHIP 275 RANGE 20W NMPM.	
15, Elevation (Show whether DF, RT, CB, etc.)	12. County
4450' ground level	Hidalgo
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	her Data
	T REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS CABING TEST AND CEMENT JOS	Man and and and and and and and and and a
	pandonment Information [ ]
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SER RULE 203.	estimated date of starting any proposed
·	
Method of Completion	
After the drill hole is completed and the drill rods removed from the holimately 2.54cm (1") in outside diameter which has been carried and the test	e, a PVC pipe of approx-
imately 2.54cm (1") in outside diameter which has been capped on the botto	om is inserted into the
hole. The pipe is filled with water and capped. The space around the i	ntruded pipe is then back
filled with drill cuttings. The drilling program was completed on Novemb	per 6, 1976
Abandonment Procedure The PVC nine is cut off below ground lovel. The unner 2 meters (10 forth)	
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 valid.	is filled with cement.
Any remaining depression is filled with soil and the area is raked to res	tore 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.
That we have becarred became to and becamper 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 and belief.	
A A A A A A A A A A A A A A A A A A A	
Managing Geologist, Geothe	ermal January 5, 1976
STONED TITLE	DAYE
	Della
Cornion Detail Emiliarity	4/21
SENIOR PETROLEUM GEOLOGIST	DATE 4/26/77

DISTRIBUTION		8, Santa Fe 87	7501 c まつ 2.2 f	975 Form G-1	101
N.M.B.M.	APPLICATION FOR PE OR PLUG BACKGEC	SAMINGICATE STATE	SAAJIndicate Type of Lease  STATE X FEE		
Operator / Land Office /	R PLUG BACKGEC	GTR-2	GTR-237		
[1d, Type of Work Drill [x]	Deepen [ ]	Plua	Back [	7. Unit Agre	
b. Type of Well Geothermal Pro-	ducer []	Temp Observa	ation [x	8. Farm or L	
2. Name of Operator AMAX Exploration, Inc.	al []	111766 11011/0121		9. Well No.	NA
3. Address of Operator					d Pool, or Wildest
4704 Harlan St., Denver, CO	80212 - LOCATED 700	FEET FROM THE	North	LINE	NA TTTTTTTTTT
AND 500 FEET THOM THE East	LINE OF SEC. 36	•	s e . 20W	NMPM	
				12. County Hidalgo	
		19. Proposed Dept	Terti	ที่นี่พื้อr ary Volcanics	20. Rotary or C.T.
21. Eleverion (Show whether Dr., RT, etc.) 4450' ground level	IA. Kind & Status Plug. Bo multiple	nd 21B. Drilling Cont	ractor	22. Approx	Date Work will start—
23.	PROPOSED CASING	AND CEMENT PROG	RAM		
SIZE OF HOLE SIZE OF C		total de		CKS OF CEMENT	EST. TOP
diameter diameter pipe		33331 33			
Drilling of one (1) geother diameter pVC pipe capped on The hole will be backfilled water and the system allowe measurements will be taken	the bottom will be with cuttings. d to reach equilibries over	be inserted in The inserted P brium with the r the ensuing n	to the ho VC pipe i surround months.	le to total of s than filled ling strata.	depth. d with Temperature
		TIATER	SANDS, O	PERATOR AGREI	ES .
IN THE EVENT WELL- TO EITHER SET CAS UPON CONCLUSION O WITH CEMENT FROM	-BORE EXTENDS BELC ING OR PLUG BACK I T TEMPERATURE OBS SURFACE TO TEN FE	ON FRESH WATER HOLE TO PROTECT ERVATION PERIO ET OF DEPTH OR	I SUCH AC D WELL IS GREATER	S TO BE PLUGG	ED
IN AGOVE SPACE DESCRIBE PROPOSED BEOG	SRAM: IF PROPOSAL IS TO DEE ANY.	PEN OR PLUG BACK, GIVE	. DATA ON PRES	ENT PRODUCTIVE ZONE	AND PROPOSED NEW PRODUC
I hereby certify that the information shove is true		•			
(This space for State Use)	Title_Manage	r, Geothermal	Explorati	on Date 9-2	<u> </u>
APPROVED BY Carl Uluna	SENIO	R PETROLEUM GEOLO	GIST	DATE	24/76
CONDITIONS OF APPROVAL, IF ANY:				DATE	

# NEW MEXICO OIL CONSERVATION COMMISSION Form G-102

# GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances must be	from the outer bour	daries of the Section		<u> </u>
AMAX Explor			Leane	GTR-237	220	Well Mo. 17
NA NA	Section 36	Township 27S	20W	Covinty.	ida Igo <sub>C</sub>	
Actual Footoge Loc 700	ation of Well;	North , line one	500	feet from the	East	lino
Greend Level Filev. 4450	Producing	NA NA	Pool		NA Dedica	nted Acreage; NA Acres
<ol> <li>If more the interest are</li> <li>If more the dated by c</li> <li>Yes</li> <li>If answer</li> </ol>	an one lease nd royalty). un one lease o ommunitization  No I	icated to the subject was dedicated to the was fulferent ownership is a unitization, force-poof answer is "yes," type	ell, outline each . dedicated to th ling. etc? of consolidation	and identify the	ownership thereof	NA (both as to working  NA wners been consoli- NA
No allowat	ole will be ass	gned to the well until a se) or until a non-standa				
	           				I hereby certify t	Willing
	         				Company	hermal Exploration
	           			·	shown on this pla notes of actual : under my supervi	that the well location it was plotted from field surveys made by me or sion, and that the same ect to the best of my lief.
	 			·	NA  Date Surveyed  Registered Professiond/or Land Survey	-
33.200					Certificate No.	· · · · · · · · · · · · · · · · · · ·

Market Control		: ·			÷						
NO. OF COPILS HELL			NEW MEX	XICO OIL CO O. Box 208	MSER'	VATION CC anta Fe 8	3/50 I	•-			
File							DIE CEL		Form G-	101	
N.M.B.M.	APPLICATION FOR PERMIT TO DRILL, DEEPEN,						STATE X FEE				
U.S.G.S. APPLICATION FOR PERMIT TO DRILL, DEEPE OR PLUG BACKGEOTHERMAL RESOURCES WE Land Office					.s. State Lease No. GTR-237						
		·		-		·.					
1a. Type of Work	Drill	[x]	De	eepen [ ]		Plug	Back		•	ement Name VA	
b. Type of Well		hermal Producer [] Temp Observation [X]  Temp Thermal [] Injection/Disposal [] NA									
2. Name of Operator AMAX Explor	ation,	Inc.						· · · · · · · · · · · · · · · · · · ·	9. Well No.	17	
3. Address of Operato 4704 Harlan		Denver, (	0 80212						10. Field an	NA	
4. Location of Well	UNIT LETTE	<sub>R</sub> NA	LOC	TED 700	FE	ET FROM THE _	Nort	h LINE			M
ano 500	FEET FROM	THE East	LINE	5 OF SEC. 36	TW		RGF. 20W	NMPM			
									12. County Hidalgo		
					\ \\	Proposed De <500 fee		11 uvium ertiary	or Volcanic	20. Hotery or C.	r.
21. Lievation: (Show		•	21A. Kind	6 Status Plug. Bo	nd 21	B. Drilling Co	ntractor		ı	Date Work will s	101-
4450' groun	ia reve		L	multiple				<del></del>	Toctobe	r 1, 1976	
		·	Pi	ROPOSED CASIN	G AND			,			
size of HC		SIZE OF	outside	weight per i	-00T	setting total d	<del></del>	SACKS OF NA	CEMENT	EST. TO	<u>P</u>
diameter	THEH	diameter		J Ounces		cocur d	СРСП			11/1	
		pipe									
diameter pV The hole wi	C pipe 11 be b he syst	capped coackfille tem allow	on the bo ed with o wed to re	ottom will cuttings. each equili	be in The briun	nserted i inserted n with th	nto the PVC pip e surro	hole to be is the bunding	o total o an fille		
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	. ,	•		• • • •	•		•				
IN ABOVE SPACE DE	SCRIBE PR	EN PROGRAM.	OGRAM: IF	POPOSAL IS TO DE	CPEN OR	PLUG BACK, GI	VE DÅTA ON	PRESENT PAC	DUCTIVE ZONE	AND PROPOSED NE	w PRODUC.
I hereby contify that the	o informuli	on above is in	be and comp	Title Manage				ration	_	20-76	٠,
Signed by Clark				Title_rianage	, ut	eouner ma r	EXPIO	acion	Date9-	20-70	
	space for	•		menii fi	o petr	OLEUM GEOL	.ogist			124/21	• .

CONDITIONS OF APPROVAL, IF ANY:

### GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Cherater Louis AMAX Exploration, Inc. GTR-237 . 17 Unit Letter Section Township Homas County **27S** 20W Hidalgon Taxanan Collis. NA 36 Acts il Footoge Location of Well: 500 700 North East feet from the line and feet from the Dedicated Acreage: NA Great Level Liev. Producing Formation 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? NA If answer is "yes," type of consolidation \_\_ 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 the best of my knowledge and belief. Iilliam M. Dolan 4anager, Geothermal Explorati∮n XAMA 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. NA Date Surveyed Registered Professional Engineer and/or Land Surveyor Certificate No. 1320 1650 1980 2310 2000