GTLT - \_\_\_\_20\_\_\_\_

# City of Las Cruces 8-23S-2E Dona Ana County

Well No. 1

TO A BOOK OF COMPANY A P. L.	NEW MERICO 87501	Pevined bid
DISTRIBUTION PLAN ( STOVIS)	•	
SUNDRY NOT	FICES AND REPORTS	AUG 0 8 1983
. M. B. M.	ON	S. Indicate Type of Leuse
PGOINERWAL	L RESOURCES WELLS 👝 🧢	ARTESIA, OFFICE Loase No.
		N/A
and Office OIL CONSERVATION DIVISION  SANTA FE		
o Not Use This Form for Proposals to Drill or to Deepen or Plug Back or Permit " श्रीवरात G-101) for Such Proposals.)	to a Different Reservoir. Use "Appl	ication ()
Type of well Geothermal Producer Temp. Observati	( <b>X</b> )	7. Unit Agreement Name
	at $\square$	1
Name of Operator	NI Land	8. Farm or Lease Name
City of Las Cruces, Utilities Divisi	ion	CLC-TG
. Address of Operator		i o, Well No.
P.O. Drawer CLC Las Cruces,	NM 88004	
. Location of Well		
Unit Letter I, 1,000 Feet From The Ea	Line andFe	et From koveyeveveveveveveve
The South Line, Section 8 Township 2	23S Range 2E	NMPM.
Mary 19 Separation (Show )	whether DF RT GR etc.)	12. County
4,000		Dona Ana
and the second and th	to Nutring of Nieting Description	interior and the first of the formation of the second of t
Ocheck Appropriate Box To Indica		,
NOTICE OF INTENTION TO:		JBSEQUENT REPORT OF:
ements.	REMEDIAL WORK	L ALTERING CASING
EMPORABILY ABANDON L. L. CHANGE PLANS  ULL OR ALTER CASING L. CHANGE PLANS	CASING TEST AND CEM	·
OLE ON ALTER CASING ID CHANGE PLANS	CASING TEST AND CEM	ENT BOUTH
	OTHER	
OTHER		
Temperature gradient hole was plugge Conservation Division regulations. The PVC tubing was cut off 2 feet be The top 8 feet of the PVC were fille to overflow into the annular space to The hole was backfilled and the surf Plugging and abandonment took place	clow the surface.  End with cement and the common of the c	cement was allowed
	-	
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. Thereby certify that the information above is true and complete to	the best of my knowledge and belief.	
	$\Lambda \sim 1.0$	and to
INED Double Clary Etroling TITLE	Assoc Die Water Resonn	CES DATE 8/19/83
A STATE OF THE PROPERTY OF THE	FOR A CAMPAGE BUILDING THE STREET WITH A DOCUMENT	n en 💮 1993 i decentrate atem malamentalem matematica (1991) a 🗀 est
PROVED BY KOY E JOHNNON TITLE	Geologist	0/02/02
PROVED BY DOT TITLE	UNEWIOG ISI	DATE 8/23/83
INDITIONS OF APPROVAL, IF A		

OIL CONSERVATION DIVISION	
STATE OF NEW MEXICO  ENERGY AND MINERALS DEPARTMENT  P. O. BOX 2088	Form G-103 Adopted 10-1-74
SANTA FE, NEW MEXICO 87501	Revised 10-1-78
DISTRIBUTION JUN 9	1983
N. M. B. M.	ON DIVISION S. Indicate Type of Lease
U. S. G. S  GEOTHERMAL RESOURCES WELLS  SANTA	FE State Fee X
Operator	5.a State Lease No.
Land Office	N/A
Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a Different Reservoir. Use "Application For Permit —" (Form G-101) for Such Proposals.)	
1. Type of well Geothermal Producer Temp. Observation	7. Unit Agreement Name
Low-Temp Thermal Injection/Disposal	N/A
2. Name of Operator  City of Las Cruces, Utilities Division 526-0249	8. Farm or Lease Name CLC-TG
P.O. Drawer CLC, Las Cruces, New Mexico 88004	9. Well No.
4. Location of Well	10. Field and Pool, or Wildcat
Unit Letter I, $1,000$ Feet From The East Line and $1,900$ Feet From	Wildcat
Courth 2 2 23S 2F	
The South Line, Section 8 Township 23S 2E NMPM.	
. Elevation (Show whether DF, RT, GR, etc.)	12. County
Check Appropriate Box To Indicate Nature of Notice Report or Other De	Dona Ana
eneer Appropriate Box to indicate Nature of Notice, Report of Other Da	ita
$\Box$	NT REPORT OF:
	☐ ALTERING CASING ☐
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLING OPNS.  OULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	PLUG & ABANDONMENT L
'ULL OR ALTER CASING CHANGE PLANS LJ CASING TEST AND CEMENT JOB	
OTHER	
OTHER	
7. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinenet dates, inchiproposed work) SEE RULE 203.	uding estimated date of starting any
proposed nonly see Rock 200.	
Temperature gradient/hole will be plugged and abandoned in accor	dance with
Oil Conservation Division regulations. The PVC tubing will be o	
below the surface. The top 8 feet of the PVC will be filled wit	th cement and the
cement will be allowed to overflow into the annular space to for	
cap. The hole will be backfilled and the surface will be reclai	
and abandonment will take place on or about $7/1/83$ .	
	·
Craig Andrews	
5. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
GNED And Crang Arol TITLE Assoc Director Water Resource	S DATE 6/6/83
The source	- UATE
PROVED BY Carl Ulyon TITLE DISTRICT SUPERVISOR	1.10.1v2
PROVED BY ARE CELOS. TITLE LISTER I SUPERVISOR	DATE

ONDITIONS OF APPROVAL, 16 ACIV:

ENERGY AND MINERALS DEPARTMENT	P. O. BOX 208		Form G-103 Adopted 10-1-74
	SANTA FE, NEW MEX		Revised 10-1-78
NO. OF COPIES RECEIVED	1	112	
DISTRIBUTION		JUN 9 198	3
N. M. B. M.	SUNDRY NOTICES AND	REPORTS	الالــــ
	ON	OIL CONSERVATION	State Type of Lease Fee X
U. S. G. S	GEOTHERMAL RESOURC	ES WELLS SANTA FE	0.0
Operator Land Office		_	5.a State Lease No. N/A
Land Office			111111111111111111111111111111111111111
Do Not Use This Form for Proposals to Drill or to For Permit -" (Form G-101) for Such Proposals.	o Deepen or Plug Back to a Different )	Reservoir. Use "Application	
1. Type of well Geothermal Producer	Temp. Observation XX		7. Unit Agreement Name
Low-Temp Thermal	Injection/Disposal		N/A
2. Name of Operator			8. Farm or Lease Name
City of Las Cruces, U	tilities Division		CLC-TG
3. Address of Operator			9. Well No.
P.O. Drawer CLC,	Las Cruces, NM 88004	F	1
4. Location of Well	Fact	1 900	10. Field and Pool, or Wildcat Wildcat
Unit Letter I, 1,000	Feet From TheLine	andFeet From	11111111111111111111111111111111111111
The South Line, Section 8	Township 23S	2E NMPM	
	15. Elevation (Show whether DF, R)	Γ, GR, etc.)	12. County
	4,000		Dona Ana
16. Check Appro	oriate Box To Indicate Nature of	Notice, Report or Other Da	ta
NOTICE OF INTENTION T	l l	-	
[]			NT REPORT OF:
*EMPORARILY ABANDON		MEDIAL WORK	ALTERING CASING XXX PLUG & ABANDONMENT
		MMENCE DRILLING OPNS.	
TOLL ON ALTER CASING CHAIN	CAS	ING TEST AND CEMENT JOB	
	C	OTHER	
OTHER			
7. Describe Proposed or completed Operations	(Clearly state all pertinent details,	and give pertinenet dates, inclu	ding estimated date of starting any
proposed work) SEE RULE 203.			
Drilling stopped on 5 The annular space aro	on $5/25/83$ . A depth of $/26/83$ . $1\frac{1}{2}$ " PVC casing und the tubing was fille and with cement from $\frac{1}{2}$	was placed in the ho ed with drilling mud	ole. to 10
?. I hereby certify that the information above is	true and complete to the best of my	knowledge and belief.	
GNED Radd Clay And	TITLE ASSOC.	noctor books Resource	P) DATE 6/6/83
PROVED BY Carl Ul.	TITLE DISTRI	CT SUPERVISOR	DATE 6/9/83

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO	P. O. BO				Form G-103
ENERGY AND MINERALS DEPARTMENT	SANTA FE, NEW	* 3	haldhail?	WEST	Adopted 10-1-74 Revised 10-1-78
NO. OF COPIES RECEIVED	· · · · · ·		Falloward	14	
DISTRIBUTION			uany oo 1	002	
File	SUNDRY NOTICES	AND REPORTS	MAY 20 1	303	
N. M. B. M.	ON			-5 Inditate Type	
U. S. G. S	GEOTHERMAL RES	(3) [	CONSERVATIO		Fee 🗓
Operator	GEOTTERWAL NES	OUNCES WEEES	SANTA F	8.a State Lease 1	No.
Land Office				N/A	
Uo Not Use This Form for Proposals to Dril For Permit —" (Form G-101) for Such Prop		Different Reservoir. Usa	e "Application		
Type of well Geothermal Producer		(X)		7. Unit Agreeme N/A	int Name
Low-Temp Thermal  3. Name of Operator	,,,,,			8. Farm or Lease	e Name
City of Las Cruces, Ut	ilities Division			CLC-TG	
3. Address of Operator	Log Crucos M	Mr 5	38004	9. Well No. 1	
P.O. Drawer CLC	Las Cruces, Nr	.1	30004	10. Field and Po	ool or Wildest
4. Location of Well  Unit Letter I, 1,0	100 Feet From The East	Line and	Feet From	Wildcat	vivi windcar
The South Line Section	8	Range 2E	NMPM.		
				.111111111	
	15. Elevation (Show whether 4,000	r DF, RT, GR, etc.)		12. County Dona Ana .	
16. Check A	ppropriate Box To Indicate Na	ture of Notice, Repo	ort or Other Day		
NOTICE OF INTENTION				NT REPORT OF:	•
	PLUG AND ABANDON	DEMEDIAL WORL			
TEMPORARILY ABANDON	COG AND ABANDON L	REMEDIAL WORK		FFF	ING CASING L
	CHANGE PLANS	COMMENCE DRIL		AA PLUG &	ABANDONMENT L
TOLE ON ALTER CASING CO.	THAIRGE FEARS	CASING TEST AN	ID CEMENT JOB		
		OTHER			[
OTHER					
7. Describe Proposed or completed Opera proposed work) SEE RULE 203.	itions (Clearly state all pertinent of	details, and give pertir	nenet dates, inclu	ding estimated da	ite of starting any
The temperature gradie	ent hole will be spudd	ed on May 23,	1983 at 8:0	0 am.	
		•			
	·				
	•,				
?. I hereby certify that the information ab	ove is true and complete to the bec	St of my knowledge age	l balief		.,,
in Thereby territy that the him that on as	ove is true and complete to the bes	it of my knowledge and	1 Oction.		
12-18 (12. 11. 8.		COCTAMB DIDEO	3OD		- 10 1000
GNED Smill Cally Stran		SSOCIATE DIRECT ATER RESOURCES	.OK	DATE May	7 18, 1983
					1. /-
PROVED BY CORP 71	1, D	ISTRICT SUF	PERVISOR	5	120183
	11112			DATE	
)NDITIONS OF APPROVAL, IF ANY:	•			•	

OIL CONSERVATION DIVISION

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISI P. O. BOX 2088

Form G-101 Adopted 10-1-74 Revised 10-1-78

			•	JAMIA I C, MEW	141 1	-VICO 91301	ONSERVATION	N DIVISI	ON	
NO, OF COPIES RECEIVED						OIL C	MANAZONO	FE		
DISTRIBUTION .							SANTA	5. Indicate	Type of Lease	
File	V		APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACKGEOTHERMAL RESOURCES WELL						FEE X	
N.M.B.M.									ease No.	
U.S.G.S.										
Operator							ļ			
Land Office	<u> </u>									
1a. Type of Work Drill	[X		1	Deepen 🔲		Plug Back 🗀		7. Unit Agr N/A	reement Name	
9. 17 F		al Produc o Thermal				np Observation 🛣		8. Farm or	Lease Name	
LOW						.tion/Disposar —		CLC-TG		
2. Name of Operator							)	9. Well No.		
City of	Las	Cruces							1	
3. Address of Operator								10. Field and Pool, or Wildcat		
				Drawer CLC, La			004	Wildcat		
				TEDFEET			LINE			
AND 1900 FEET FR	OM T	HE South	LINE OF	SEC. 8 TWP.	23s	RGE. 2E	МАМИ			
								12. County Dona Ar		
					719.	Proposed Depth 300 ft	19Quaterno Alluvium		20. Rotary for C.T.  Rotary	
21. Elevations (Show whether 4,000	DF,	RT, etc.)	21A. Kind	d & Status Plug. Bond	$\frac{21}{TC}$	B. Drilling Contractor BE 'DETERMINEI	)	<sup>22</sup> May Appri	px. 1298 York will start	
			F	PROPOSED CASING A	ND (	CEMENT PROGRAM			•	
SIZE OF HOLE		SIZE OF		WEIGHT PER FOOT		SETTING DEPTH	SACKS OF	CEMENT	EST. TOP	
4"		1 1/2	<u>.                                    </u>	1 1b		300 ft	<u>_</u>		surface	
								*		

PVC will be filled with fresh water and capped. Temperature measurements will be made during the month following drilling. Hole will be plugged and abandoned after final use. Hole location will be restored.

APPROVAL VALID FOR 90 DAYS

	. PERMIT EXPI UNLESS DR	RES 6-29-83 ILLING UNDERWAY
OIL CONSERVATION COMMIS WITHIN 24 HOURS OF BEG	SION TO BE NOTIFIED SINNING OPERATIONS	
Needham IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM Zone. Give biogroup proventer program, if any.  I hereby certify that the information above is true and c	: If proposal is to deepen or plug back, give data on present pr	roductive zone and proposed new productive
signed flynn f Meldham		Date Max 7, 1983
APPROVED BY Carl Vilvog	TITLE DISTRICT SUPERVISOR	DATE March 31, 1983
CONDITIONS OF APPROVAL, IF ANY:		<b>\</b>

MAR 14 1983

Adopted 10-1-74 Revised 10-1-78

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION

ACREAGE DEDICATION PRAT

•		All distances must be	from the outer boundard	I MULLYANGSAOD 910	DIVISION
Operator			Lease	SANTA FE	Well No.
City	of Las Cruces,	Utilities Div.	CLC-TG		1
Unit Letter	Section 8	Township 23S	Range 2E	County Dona Ana	
Actual Footage Loca 1,000		East line	and 1900	feet from the South	line
Ground Level Elev. 4,000	Producing Forn		Pool Wildcat		Dedicated Acreage: Acres
1. Outline	the acreage dedicate	ed to the subject well b	y colored pencil or h	achure marks on the pla	**************************************
2. If more and roya		dedicated to the well,	outline each and iden	ntify the ownership ther	eof (both as to working interest
	itization, unitizatio	n, force-pooling, etc?			ll owners been consolidated by
☐ Yes	□ No If ans	swer is "yes," type of o	consolidation		
If answer is necessary.)		ners and tract descripti	ons which have actua	ally been consolidated.	(Use reverse side of this form if
				been consolidated (by interests, has been appro	communitization, unitization, oved by the Division.
		.	, 		CERTIFICATION
	     	·	i i	contain	by certify that the information ed herein is true and complete to t of my knowledge and belief.
	 				nnet Weedhan
. *	1		! ! !	Position Dire	ctor of Utilities
	1		1 1 1	City	of Las Cruces
			1	Marc	h 9, 1983
	 		   *   	shown notes of under is true	by certify that the well location on this plat was plotted from field of actual surveys made by me or my supervision, and that the same and correct to the best of my dge and belief.
	<del> </del>		<del>-</del>		
	† 		1	Date Surve	ryed
	1		1		Professional Engineer ad Surveyor
Ketaturka	PO-			Certificate	No.
0 . 310 AND	60 1320 1650 funt	2000 2640 2000	1500 1000	500 0	



# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

April 5, 1983

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

City of Las Cruces P. O. Drawer CLC Las Cruces, New Mexico 88004

Re:

\$2,000 One-Well Low-Temperature Geothermal Observation Well Bond City of Las Cruces, Principal Safeco Insurance Company of

America, Surety

CLC-TG Well No. 1, Unit I,

Sec. 8, T-23-S, R-2-E

Bond No. 4165459

#### Gentlemen:

The Oil Conservation Division hereby approves the above-referenced Geothermal Bond effective April 1, 1983.

Sincerely,

JOE D. RAMEY, Director

dr/

cc: Carl Ulvog - OCD Santa Fe, New Mexico

> Safeco Insurance Company of America Safeco Plaza Seattle, Washington 98185