# Mountain Shadows Development Ltd. 27-23S-2E Dona Ana County

**Well Nos. 1 - 2** 

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT  NO. OF COPIES RECEIVED  DISTRIBUTION  File  N. M. B. M.  U. S. G. S  Operator  Land Office	OIL CONSERVATION DIVIS  P. O. BOX 2088  SANTA FE, NEW MEXICO 8750  SUNDRY NOTICES AND REPORTS  ON  GEOTHERMAL RESOURCES WELLS	1012 [C) 201 [V] 27 Form G-103 Adopted 10-1-7/
Do Not Use This Form for Proposals to Drill or to For Permit —" (Form G-101) for Such Proposals.)  1. Type of well Geothermal Producer	Deepen or Plug Back to a Different Reservoir. U	se "Application 7. Unit Agreement Name
Low-Temp Thermal  2. Name of Operator	Injection/Disposal	N/A 8. Farm or Lease Name
3. Address of Operator	ennings, Mountain Shadows Develor Ave., Las Cruces, NM 88	9. Well No.
4. Location of Well	Feet From The West Line and 2,025	10. Field and Pool, or Wildcat
The North Line, Section 27	Township 23S Range	2ENMPM.
	15. Elevation (Show whether DF, RT, GR, etc.) 4,100	12. County Dona Ana
NOTICE OF INTENTION TO PERFORM REMEDIAL WORK PLUG TEMPORARILY ABANDON	AND ABANDON REMEDIAL WOR COMMENCE DRI GE PLANS CASING TEST AN	SUBSEQUENT REPORT OF:  K
OTHER		· ·
proposed work) SEE RULE 203.  Temperature Oil Conserva The PVC tubi The top 8 fe to overflow The hole was	gradient hole was plugged and al tion Division regulations. ng was cut off 2 feet below the	surface. cement and the cement was allowed a permanent cap. laimed.
18. I hereby certify that the information above is	true and complete to the best of my knowledge an	d belief.
SIGNED Samuel Strome	TITLE Dural 10	pener DATE 29 april
APPROVED BY Carl Wood	DISTRICT SUF	PERVISOR DATE 5/5/83

N. M. B. M.  U. S. G. S  Operator  SUNDRY NOTICES AND REPORTS ON OIL CONSERV	Form G-103 Adopted 10-1-7 Revised 10-1-7  75 1983  Form G-103 Adopted 10-1-7  Revised 10-1-7  Fee XX  S.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.)	
I. Type of well Geothermal Producer Temp. Observation XX	7. Unit Agreement Name N/A
Low-Temp Thermal Injection/Disposal   2. Name of Operator	8. Farm or Lease Name
Mr. Samuel Jennings, Mountain Shadows Development Ltd.	MSDL-TG
3. Address of Operator 510 W. Amador Ave., Las Cruces, NM 88005	9. Well No.
4. Location of Well	10. Field and Pool, or Wildcat
Unit Letter F, 2,180 Feet From The West Line and 2,025 Feet From	Wildcat
The North Line, Section 27 Township 23S Range 2E NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
4,100	Dona Ana
Check Appropriate Box To Indicate Nature of Notice, Report or Other Da	ta · .
	NT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK  TEMPORARILY ABANDON COMMENCE DRILLING OPNS	ALTERING CASING  DLUG & ABANDONMENT
TEMPORARILY ABANDON U COMMENCE DRILLING OPNS.  PULL OR ALTER CASING CHANGE PLANS CASING TEST AND CEMENT JOB	
OTHER	
The hole was spudded on 2/7/83. A depth of 250 feet was Drilling stopped on 2/7/83. It's PVC casing was placed The annular space around the tubing was filled with drift to 10 feet below the surface and with cement from 10 feet below the surface. No water was encountered.	as reached. in the hole. illing mud
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNED HIMLER JENNINGS TITLE Thered Toolney	
ARREQUED BY Carl Wood THE DISTRICT SUPERVISOR	5/5/83

MAY 05 1983
OIL CONSERVATION GIVESION
SANTA FE

April 27, 1983

Mr. Carl Ulvog Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Dear Mr. Ulvog:

Please find enclosed the following documents:

- (1) G-103, Commence Drilling Operations
- (2) G-103, Plug and Abandonment
- (3) Cementer's Affidavit

As you will note, I have supplied all of the information that you requested in your letter dated 4/19/83. I hope that this information is sufficient to satisfy the Oil Conservation Division Rules and Regulations. Should there be any further requirements, please inform me as I intend to fully comply with the law.

Since Pely,

SWILL DEMNITINGS

Enclosures

#### CEMENTER'S AFFADAVIT

OPERATOR: Mr. Samuel Jennings

Mountain Shadows Development

510 W. Amador Ave. Las Cruces, NM 88005

HOLE TYPE: Temperature Gradient

HOLE NUMBER: 1

LOCATION: Unit letter F, Section 27, Township 23S, Range 2E

PLUG: 1 bag Portland Cement

Approximately 15 gallons water

PLUG DATE: 3/24/83

CEMENTING COMPANY: LarJon Drilling Co.

P.O. Box 925

Mesilla Park, NM 88047

SIGNED <u>Carry Inform</u> for Larjon Drilling Co.

DATE <u>4/29/83</u>



# ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

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

April 19, 1983

Mr. Samuel Jennings 510 W. Amador Ave. Las Cruces, New Mexico 88005

Dear Mr. Jennings:

Attached are copies of recently submitted Forms G-103. Approval of action reported there-in has been suspended, awaiting your compliance with Memorandum of 2/27/81, copy of which was attached to-and became a condition of OCD approval of-your permit to drill. Another copy of said Memorandum is enclosed for your convenience.

Please note that this memorandum is used as a convenience to the operator. Iacking such a proviso, the operator is subject to Rule 302 of the State Geothermal Regulations. However, the stipulation of above-mentioned memorandum waives only the PRIOR notification by filing Form G-103; it does not exempt an operator from submitting the data required by Rule 302.

Yours truly,

CARL ULWOG Geothermal Supervisor

CU/jc

STATE OF NEW MEXICO	OIL CONSERVA	TION DINISION	
ENERGY AND MINERALS DEPARTMENT	P. O. BOX	n /	Form G-103 Adopted 10-1-74
NO. OF COPIES RECEIVED	SANTA FE, NEW	1111	Revised 10-1-78
DISTRIBUTION		APR	181983
File	SUNDRY NOTICES	AND REPORTS	יחון
N. M. B. M.	ON	AND REPOOILS CONSERV	ATION BIVISIONS Type of Lease
U. S. G. 5	GEOTHERMAL RESC	3/1	NTA FE State Fee X
Operator		0.1000 110220	5.a State Lease No.
Land Office			N/A
Do Not Use This Form for Proposals to Drill or t For Permit –" (Form G-101) for Such Proposals.		fferent Reservoir. Use "Appli	cation
1. Type of well Geothermal Producer	Temp. Observation	X.	7. Unit Agreement Name
Low-Temp Thermal	Injection/Disposal	]	N/A
2. Name of Operator  Mr. Samuel Jennings, l	Mountain Shadows Dev	velopment Ltd.	8. Farm or Lease Name MSDL-TG
3. Address of Operator 510 W. Amador Ave.	Las Cruces, NM 88	3005	9. Well No. 1
4. Location of Well		2025	10. Field and Pool, or Wildcat Wildcat
Unit Letter F, 2180	Feet From The West	Line andFee	t From
The North Line, Section 27		**	
***************************************	16 El	D. D	
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
	4100		Dona Ana
16. Check Approp	oriate Box To Indicate Natu	ire of Notice, Report or C	Other Data
NOTICE OF INTENTION TO	):	SU	BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK   PLUG	AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING C	
'ULL OR ALTER CASING LJ CHAN	GE PLANS	CASING TEST AND CEME	ENT JOB
		OTHER	
OTHER		•	
7. Describe Proposed or completed Operations proposed work) SEE RULE 203.	(Clearly state all pertinent de	ctails, and give pertinenet do	tes, including estimated date of starting any
,			
Temperature gradient Conservation Division	hole was plugged an regulations.	d abandoned in acc	ordance with Oil
The PVC tubing was cu	t off 2 feet below	the surface.	
The top 8 feet of the	. PVC were filled wi	th cement and the	cement was allowed
to overflow into th	e annular space to	form a permanent c	ap.
The hole was backfill	ed and the surface	reclaimed.	
1. I hereby vertify that the information above is	true and complete to the best	of my knowledge and belief.	~
Samuel Bonner	B. B.	1000 Veil 10	120-83
GNED	TITLE	week provide	DATE / 2 77
PROVED BY	דודו כ		0.75
	TITLE		DATE

INDITIONS OF APPROVAL, IF ANY:

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

İ	Form G-1	03	
	Adopted	10-1	-7
	Revised		

Fee X

NO. OF COPIES RECEIVED	
DISTRIBUTION	
File	
N. M. B. M.	
U. S. G. S	
Operator	
Land Office	

proposed work) SEE RULE 203.

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

Revised	

5. Indicate Type of Lease

State 🗌

5.a State Lease No.

Land Office	
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	N/A
2. Name of Operator Mr. Samuel Jennings, Mountain Shadows Development, Ltd.	8. Farm or Lease Name
mr. Samuer Jennings, mountain Shadows Development, Ltd.	MSDL-TG
3. Address of Operator	9. Well No.
510 W. Amador Ave., Las Cruces, New Mexico 88005	1
4. Location of Well	10. Field and Pool, or Wildcat
Unit Letter F located 2180 Feet From The West Line and 2025 Feet From	m   Wildcat
The North Line, Section 27 Township 23S Range 2E NMF	
15. Elevation (Show whether DF, RT, GR, etc.) 4100 Feet	Dona Ana
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other	Data
NOTICE OF INTENTION TO:	QUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	☐ ALTERING CASING ☐
TEMPORARILY ABANDON COMMENCE DRILLING OPNS.	
PULL OR ALTER CASING  CHANGE PLANS CASING TEST AND CEMENT J	
OTHER	
OTHER	

This hole was originally proposed to be drilled to 100 feet. It is now proposed that the hole be drilled to 250 feet. It is believed that this depth will provide more information for a geothermal temperature gradient. Should the water table be encountered before 250 feet drilling operations will cease within 20 feet.

17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinenet dates, including estimated date of starting any

JAN 28 1983

OIL CONSERVATION DIVISION SANTA FE

	DWIN
18. I hereby certify that the information above is true and complete to the b	
SIGNED Samuel K. Jennings TITLE	Eneral Partner DATE 27 Jan 83
APPROVED BY Carl Elling TITLE	DISTRICT SUPERVISOR DATE 1/28/83
CONDITIONS OF APPROVAL, IF ANY:	
·	

## STATE OF NEW MEXICO EMERGY AND MINERALS DEPARTMENT

CONDITIONS OF APPROVAL, IF ANY:

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

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

NO, OF COPIES RECEIVED									
DISTRIBUTION .								5. Indicate	Type of Lease
File .	1		APPL	ICATION FOR PERI	МІТ	TO DRILL, DEEPE	N.	STATE [	
N.M.B.M.						AL RESOURCES W	1	5.a State Le	ease No.
U.S.G.S.	/						}_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Operator	_   _								
Land Office								777777	
1a. Type of Work Driff	XX		l	Deepen 🗌		Plug Back		7. Unit Agr	eement Name
, , <b>r</b> -		al Produ				np Observation	İ		Lease Name
Low-	Temp	p Therma	al 🗀		njec	ction/Disposal 🗆		MSDL-T	G
2. Name of Operator						1		9. Well No.	
Mr. Samuel Jer	<u>nnin</u>	gs, Mc	ountain S	Shadows Develo	pme	ent, Ltd.			1.15. 1. 1200.
3. Address of Operator	A ~	Tac	Causes	Non Morriso	227			Wildc	id Pool, or Wildcat at
				New Mexico				111111	
UNIT I	LETTE	ER	LOCAT	ED 2180 FEET	FRC	OM THE	LINE		
AND 2025 FEET FR	014:51	us Nort	th one or	SEC. 27 TWP. 23	S	por 2E			
AND 2023 PEET PR	7777	11111	IIIIII		77.	TTTTTTTT	NMPM	12. County	
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++++++++++++	777	<i>HH</i>	<i>HHH</i>	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	1	<i>\\\\</i>	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	77777	िर्मिर्मिर्मिर्मिरास
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	777	<i>†††††</i>	<i>†††††</i>	+++++++++	779	Proposed Depth	19A. Formatio		20. Rotary or C.T.
					10	00 Feet	Ouaternar Alluvium	У	Rotary
21. Elevations (Show whether 4100 Feet	DF, I	RT, etc.)	21A. Kind	l & Status Plug. Bond	21 T(	BETTERMINEI	)		ox. Date Work will start lary 15, 1983
								i rebru	.ary 13, 1903
•			F	PROPOSED CASING A	ND	CEMENT PROGRAM			
SIZE OF HOLE			CASING	WEIGHT PER FOOT	r	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
4"		$1\frac{1}{2}$ " (	עכ	1 1b.		100 Feet	11		Surface
Tempera Hole wi Hole lo	ture 11 b cati	e measo pe plug ion wi	urements gged and 11 be re	abandoned aft	du: er	ring the month final use.	-011	o valid	- a DAYS
IN ABOVE SPACE DESCRIBE zone, Give blowout preventer p	PROF rogram	POSED PI	ROGRAM: I	f proposal is to deepen	or p	pług back, give data on	present produc	tive zone an	d proposed new productive
igned formull V	()		X.V	Tale / www.		1 my		ite	20000
(This space for	or Stat	te Usej			. motoricalis				
	0 7	710,-	n2	DISTRI		T SUPERVISO	)R	A	011 1062

## OIL CONSERVATION DIVISION P. O. BOX 2088 BANTA FE, NEW MEXICO 87501

Form G-102 Adopted 10-1-74 Revised 10-1-78

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

<b>.</b>		All distances must b	e from the outer	boundaries of	the Section	٦,	•
Operator Mr. San			Lease				Well No.
	dows Developm		MSDL				11
Unit Letter	Section	Township	Range .	2E	County	na Ana	
Actual Footage Loca	tion of Well:	23S		<u>ZE</u>	DO	illa Alla	
2180		est ii	ne and 2025	fec	t from the	North	line ·
Ground Level Elev.	Producing Forn	nation	Pool				Dedicated Acreage:
4100		ł.	Wi	ldcat			Acres
1. Outline t	he acreage dedicate	d to the subject well	by colored pe	neil or hachu	re marks	on the plat	below.
		edicated to the well	, outline each	and identify	the owne	ership thereo	f (both as to working interest
and roya	Ity).				a		
3 If more	than one lease of	- different, ownersin is	dedicated to	the wells have	e the inte	erests of all	owners been consolidated by
		n, force-pooling, etc?					
•							
☐ Yes	☐ No If ans	wer is "yes," type o	f consolidation	<del></del>			·
If answer is	"no" list the own	ers and tract descrip	ations which h	ave actually b	neen cons	alidated (H	se reverse side of this form if
necessary.) _	no, nst the own	ers and tract descrip	Mons which h	ave actually t	een cons	ondared. (O	so reverse side of this form if
- •	la will ba accione	ed to the well un	til all interest	ts have been	consolie	lated (by	communitization, unitization,
	=	until a non-standard					
ioicca-poom	is, or otherwise, or	until a non standard	dirit, oniminati	mg saen meer	03(3,,1143)	occii approv	ou by the Bivision.
						1	
				·			CERTIFICATION
	i I		Î			l hereby	certify that the information
	1 1		İ	•	İ	1	herein is true and complete to
	i i	ļ	1			the best o	of my knowledge and belief.
	i ,		1				,
	i		1		Ì	Samuel	Jennings
	+		_ <del>   -</del>	<u> </u>		Name	1 Dantman
	i .		i				1 Partner
	. 1		, 1		-	Position Mt. Shad	ows Development, Ita
	1		1			Company	
	1		1		]		
	1	•	1		184	Date	~ ~
	1		· ;	٠		700	Jan & 3
				<del></del>		'	
	· I		!		1.	I hereby	certify that the well location
	i.		· !	٠.	. [	. '	this plat was plotted from field
	i		<b>!</b>				actual surveys made by me or
1	1		1			under my	supervision, and that the same
	ł		i ,		1	is true a	nd correct to the best of my
,	1		İ	•	-	knowledg	e and belief.
	+		<del>-</del>				•
	1		I			Sim	elptimmes
	I ·		· 1	•	ľ	Date Surveye	ed O
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1.			1			Registered Pi and/or Land	rofessional Engineer Surveyor
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- Lunesen			[Delicitization]			Certificate N	0.
0 230 660	90 1370 1650 1880	2319 2640 20	000 1500	1000 800			•
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# ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IL CUNSERVATION DIVISION

TONEY ANAYA

January 25, 1983

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

Commercial Union Insurance P. O. Box 20666 El Paso, Texas 79998

Re:

\$2,000 One-Well Geothermal Bond Samuel Jennings, Mt. Shadows Development, Ltd., Principal

Commercial Union Insurance Company,

Surety

Bond No. CR-71359-67

Gentlemen:

The Oil Conservation Division hereby approves the above-referenced one-well geothermal bond effective January 24, 1983.

Sincerely,

JOE D. RAMEY, Director

dr/

cc: Oil Conservation Division Santa Fe, New Mexico

Samuel K. Jennings

STATE OF NEW MEXICO  ENERGY AND MINERALS DEPARTMENT  SANTA FE, NEW MEXICO 8750 Line (17)	Form G-103 Adopted 10-1-7/ Revised 10-1-7/
NO. OF COPIES RECEIVED	11/1/2
DISTRIBUTION /	- 1002
File SUNDRY NOTICES AND REPORTS MAY 0	5 1903
N. M. B. M.	5 Indiente Type of Lease
U. S. G. S GEOTHERMAL RESOURCES WELLS OIL CONSERVA	Fee XX
Operator SAN	1.3.4 Matate Deale 140.
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	8. Farm or Lease Name
Mr. Samuel Jennings, Mountain Shadows Development Ltd.  3. Address of Operator	MSDL-TG  9. Well No.
510 W. Amador Ave., Las Cruces, NM 88005	2
4. Location of Well  Unit Letter G, 2,525 Feet From The East Line and 1,940 Feet From	10. Field and Pool, or Wildcat Wildcat
The North Line, Section 27 Township 23S Range NMPM.	
15. Elevation (Show whether DF, RT, GR, etc.) 4,100	12. County Dona Ana
Check Appropriate Box To Indicate Nature of Notice, Report or Other Da	ta · .
NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK PLUG AND ABANDON COMMENCE DRILLING OPNS.  PULL OR ALTER CASING CHANGE PLANS OTHER  OTHER	
OTHER	
17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinenet dates, incluproposed work) SEE RULE 203.	ding estimated date of starting any
Temperature gradient hole was plugged and abondoned in Oil Conservation Division regulations. The PVC tubing was cut off 2 feet below the surface. The top 8 feet of the PVC were filled with cement and tallowed to overflow into the annular space to form a per The hole was backfilled and the surface reclaimed. Plugging and abandonment took place on 3/24/83.	the cement was
18. I hereby conflify that the information above is true and complete to the best of my knowledge and belief.	
SIGNED Samuel Dennings TITLE Seneral People	DATE 29apr83

DISTRICT SUPERVISOR

STATE OF NEW N	1EXIC	:0		OIL CO			TION DIVIS	ION			Form	r G-103,
ENERGY AND MINERALS	DEPA	RTME	NT	SANT			X 2088 MEXICO 8750	PANTE PLET	1576	1585 M	Adop	ted 10-1-74 sed 10-1-78
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DISTRIBUTION								INV	- 400	, ]]]]		
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U. S. G. S	1			CEOTI	ICDNAAL		OURCES WELLS	OIL CONSERVA	ATIQN.	LEDIVIOI .	·4	Fee XX
Operator				GEOTI	TERMAL	. KES	OURCES WELLS	SAN	Ta Fit	ate Lease	No.	
Land Office	<u> </u>									N/A		
Do Not Use This Form for P For Permit —" (Form G-101)	ropos for S	als to I	Drill or to	Deepen or F	'lug Back	to a Di	ifferent Reservoir. Us	se "Application				
1. Type of well Geothi	ermal	Produ	cer	Temp,	Observatio	on t	X		7. Un	it Agreeme	ent Nam	e ·
Low-T	emp -	Therma	al $\square$	Injectio	on/Disposa	ı (			N/A	A		
2. Name of Operator Mr. Samue	el J	Tenn <b>i</b>	ings, N				evelopment Ltd	l	1	rm or Leas DL-TG	se Name	
3. Address of Operator	510	) W.	Amadoı	r Ave.,		Las	Cruces, NM 8	88005	9. We	ell No. 2		
4. Location of Well								· · · · · · · · · · · · · · · · · · ·	10. F	ield and Po	ool, or W	/ildcat
Unit Letter G,		2:5	525	Feet From T	bo Eas	st	Line and 1.94	0 500 500	1	dcat		
·				reet rioiii i	e			reet From	777	TITT.	1111	111111
The North Lin	ie, Se	ction _	27	Tow	nship	23S	Range 2E	NMPM.				
	111	1111	11111	15. Elevation	Show w	hether	DF, RT, GR, etc.)		12. C	ounty	11/1	<i>HHH</i>
			<i>[[[]]</i>	4,100					Dona	Ana		
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TEMPORARILY ABANDON	L	7			ſ	_	COMMENCE DRI	LLING OPNS.	ΧŢ	PLUG 8	& ABAN	DONMENT
PULL OR ALTER CASING	L		CHANG	GE PLANS	l	$\sqcup \mid$	CASING TEST AT	ND CEMENT JOB				
							OTHER					
OTHER					(		3,,, <u></u>					
17 Describe Broposed or a	mala	tod O	narotiona	(Classia) state	all nauti		loanite and of a second					
17. Describe Proposed or conproposed work) SEE RU			perations	Clearly state	: au peru	neni a	etatis, and give perti	nenet dates, inch	iding es	timated do	ate of s	tarting any
	The	ho1	10 1126	emidded	on 2/2	2/83	. A depth of	300 feet wa	as re:	ached.		
							E" PVC casing				٠.	
							bing was fill				- •	
							nd with cement					
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18. I hereby centify that the	infor	mation	above is	true and com	plete to the	he hest	of my knowledge an	d helief				
10. Thorough country that the		_	. 40010 13		p. 0.0 to 11	1	o. my knowledge an	u pener.			$\sim$	<u> </u>
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APPROVED BY	ベンレ	X L	تصمصنب		TITLE	D	STRICT SU	PERVISOR	<b>)</b>	رک ۔۔	15/8	63
MIT NOTED BY				<u> </u>	''''				DAT			

#### CEMENTER'S AFFADAVIT

OPERATOR: Mr. Samuel Jennings

Mountain Shadows Development

510 W. Amador Ave. Las Cruces, NM 88005

HOLE TYPE: Temperature Gradient

HOLE NUMBER: 2

LOCATION: Unit letter G, Section 27, Township 23S, Range 2E

PLUG: 1 bag Portland Cement

Approximately  $\frac{15}{6}$  gallons water

PLUG DATE: 3/24/83

CEMENTING COMPANY: LarJon Drilling Co.

P.O. Box 925.

Mesilla Park, NM 88047

SIGNED Sanyformson for Laryon Drilling Co.

DATE 4/29/83



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

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

April 19, 1983

Mr. Samuel Jennings 510 W. Amador Ave. Las Cruces, New Mexico 88005

Dear Mr. Jennings:

Attached are copies of recently submitted Forms G-103. Approval of action reported there-in has been suspended, awaiting your compliance with Memorandum of 2/27/81, copy of which was attached to-and became a condition of OCD approval of-your permit to drill. Another copy of said Memorandum is enclosed for your convenience.

Please note that this memorandum is used as a convenience to the operator. Lacking such a proviso, the operator is subject to Rule 302 of the State Geothermal Regulations. However, the stipulation of above-mentioned memorandum waives only the PRIOR notification by filing Form G-103; it does not exempt an operator from submitting the data required by Rule 302.

Yours truly,

CARL ULVOG Geothermal Supervisor

CU/ic

CTATE OF NEW MEYICO	OIL CONSERVA	TION DIVISION		•
STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT	P. O. BO	1000	75997777597	Form G-103 Adopted 10-1-74
NO. OF COPIES RECEIVED	SANTA FE, NEW	MEXICO 8 5 1	<u> 가리가 사고현    </u>	Revised 10-1-78
DISTRIBUTION	:	IM	- 1000	
File	OUND DV NOTICES		R 18 1983	
N. M. B. M.	SUNDRY NOTICES		A TO A S DE LO LA LA LA LA LA LA LA LA LA LA LA LA LA	pe of Lease
U. S. G. S	ON CEOTHERMAL REG	OIL CONS	SERVATION DIVISION TY SANTA FE State	Fee X
Operator	GEOTHERMAL RES	OURCES WELLS	SANTA PE State Lease	
Land Office			N/A	
Do Not Use This Form for Proposals to Drill or For Permit —" (Form G-101) for Such Proposals	.)			
1. Type of well Geothermal Producer	Temp. Observation	ΧÌ	7. Unit Agreer	nent Name
Low-Temp Thermal	Injection/Disposal		N/A	
2. Name of Operator	36 - 6 - 1 - 01 - 1 Do	1	8. Farm or Le MSDL-TG	ase Name
Mr. Samuel Jennings, 3. Address of Operator	Mountain Snadows De	velopment Ltu.	9. Well No.	· · · · · · · · · · · · · · · · · · ·
510 W. Amador Ave.	Las Cruces, NM 8	8005	2	
4. Location of Well			10. Field and	Pool, or Wildcat
Unit Letter G, 2525	Feet From The East	Line and $\phantom{00000000000000000000000000000000000$	eet From Wildcat	
The North Line, Section 27	Township23S	Range2E	NMPM.	
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County	}}}}
	4100		Dona Ana	
16. Check Appro	priate Box To Indicate Nati	ure of Notice. Report or	Other Data	
NOTICE OF INTENTION	1			· .
	AND ABANDON	REMEDIAL WORK	SUBSEQUENT REPORT OF	i i
I EMPORARILY ABANDON	The Market of the State of the	COMMENCE DRILLING	$\overline{}$	RING CASING L
اسا	NGE PLANS	CASING TEST AND CE	-	& ABANDONWENT 9
		OTHER		
OTHER	U			
Temperature gradient servation Division roots The PVC tubing was control to overflow into the hole was backfil	hole was plugged an egulations. ut off 2 feet below e PVC were filled wi he annular space to	nd abondoned in ac the surface. ith cement and the form a permanent	ccordance with Oil e cement was allow	. Con-
i. I hereby certify that the information above is	s true and complete to the best	(c)	of. DATE 13	Epr83
PROVED BY	TITLE		DATE	

### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

ŀ	Form G-1	103
	Adopted	10-1-74
	Revised	10-1-78

Fee X

NO. OF COPIES RECEIVED		
DISTRIBUTION	/	
File		
N. M. B. M.		
U. S. G. S		
Operator		
Land Office		

proposed work) SEE RULE 203.

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease

State  $\square$ 

	312 3111 2125 1101
Land Office	
Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a For Permit —" (Form G-101) for Such Proposals.)	Different Reservoir. Use "Application
1. Type of well Geothermal Producer Temp. Observation	7. Unit Agreement Name
Low-Temp Thermal 🔲 Injection/Disposal	□ N/A
2. Name of Operator	8. Farm or Lease Name
Mr. Samuel Jennings, Mountain Shadows	Development, Ltd. MSDL-TG
3. Address of Operator	9. Well No.
510 W. Amador Ave., Las Cruces, New Me	exico 88005 2
4. Location of Well	10. Field and Pool, or Wildcat
Unit Letter G located 2525 Feet From The East	Line and 1940 Feet From Vildcat
TheNorth Line, Section7Township2	23S Range 2E NMPM.
15. Elevation (Show wheth 4100 Feet	ner DF, RT, GR, etc.)  12. County  Dona Ana
16. Check Appropriate Box To Indicate N	lature of Notice, Report or Other Data
NOTICE OF INTENTION TO:  PERFORM REMEDIAL WORK PLUG AND ABANDON  TEMPORARILY ABANDON  PULL OR ALTER CASING CHANGE PLANS	SUBSEQUENT REPORT OF:  REMEDIAL WORK  COMMENCE DRILLING OPNS.  CASING TEST AND CEMENT JOB
	OTHER
OTHER	

This hole was originally proposed to be drilled to 100 feet. It is now proposed that the hole be drilled to 300 feet. It is believed that this depth will provide more information for a geothermal temperature gradient. Should the water table be encountered before 300 feet drilling operations will cease within 20 feet.

17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinenet dates, including estimated date of starting any

JAN 28 1983

OIL CONSERVATION DIVISION SANTA FE

	OIL CONSERVATA F	E
18. I hereby certify that the information above is true and complete SIGNED Annuel Kommunga TI		DATE 17 Jan 83
APPROVED BY Carl Woog TI	DISTRICT SUPERVISOR	DATE //28/83

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

CONDITIONS OF APPROVAL, IF ANY:

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

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

NO. OF COPIES RECEIVED						
DISTRIBUTION		٠.			5. Indicate	Type of Lease
File /	APPL	APPLICATION FOR PERMIT TO DRILL, DEEPEN,				FEE 🛛
N.M.B.M.			RMAL RESOURCES W		5.a State Le	ase No.
U.S.G.S. 1					~~~~~~~	
Operator /				•		
Land Office					7]]]]]	7]]]]]]]]
1a. Type of Work Drill X	_] [	Deepen 🗆	Plug Back 🔲		7. Unit Agre	eement Name
to Transport Wall Geothern	nal Producer 🔲	τ,	emp Observation 🔯		N/A 8. Farm or 1	L Al
1	np Thermal		jection/Disposal			
	TP THE THAT				MSDL-TO	<i>3</i>
2. Name of Operator	M	l D1	L T L J		9. Well No.	
Mr. Samuel Jennings	, Mountain Snac	iows neveropmen	L, LLC.			d Pool, or Wildcat
3. Address of Operator 510 W. Amador Ave.,	Las Cruces, Ne	w Mexico 8800	5		Wilde	·
	renLOCAT				111111	
UNIT LETT	rerLocat	EDFEET F	ROM THE	LINE		
AND 1940 FEET FROM	THE North LINE OF	sec. 27 <sub>TWP.</sub>	23S <sub>RGE.</sub> 2E	NMPM		
					12. County	
					Dona Ana	a (
					TITT	
			19. Proposed Depth	19A. Formatio		20. Rotary or C.T.
			100 Feet	Quaternar Alluvium	. y ————	Rotary
21. Elevations (Show whether DF, 4100 Feet	RT, etc.) 21A. Kind	& Status Plug. Bond	<sup>2</sup> TO BE DETERMINE	ED .		x. Date Work will start
4100 Feet			TO DE DEIE		Februa	ry 15, 1983
	P	ROPOSED CASING AN	D CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
<u> </u>	1½" OD	1 1b.	100 Feet	1		Surface
		J				
•				•		
			•			
DVG11 L	. <i>Eillei with</i> (	Erach reator and	aannad			•
	e filled with f		uring the month	following	drilli	no. DAYS
	be plugged and			LOTTOWING	,	108 90 43
	ion will be res				IAI.	10 10 4-24-RWAY
				1990	30/ AL EXP	ISER ONDER
OIL CONSES	ITION COMMISSI OURS OF BEGIN			PF	ERMITES D	ID FOR 90 DAYS  AND FOR 90 DAYS  ARES 4-24-83  ARILLING UNDERWAY
WITHIN	ITION COMMISSI OURS OF BEGIN			• 1	ONLESS	
24 H	OURS OF DE	ION TO BE NO	•			
	O' BEGIN	INING OPERAT	IFIED			
		OF ERA FIG	)NS			
				•		
IN ABOVE SPACE DESCRIBE PRO	POSED PROGRAM: II	proposal is to deepen o	or plug back, give data on	present produc	tive zone and	d proposed new productive
zone. Give blowout preventer progra	nm, if any.		-			- proposed non-productive
i hereby certify that the information	above is true and com	plete to the best of my	knowledge and belief.		^	_
signed Samuelt	Jennigs	Tille Ylenera	l farenes	D	are 20 )	an 83
(This space for St	ate Use)					
1	711,000	DISTRI	CT SUPERVISO	OR	1.	24 1883

## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION P.O. 100 × 2008 BANTA FE, NEW MEXICO 87501

Form G-102 Adopted 10-1-74 Revised 10-1-78

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

		All distances mu			daries of the S	ection.	
	amuel Jenning adows Develop		Leas	e MSDL-1	r.C		Well No.
Unit Letter	Section	Township		Range	Count	у	<u></u>
G	27	23S		2E		Dona Ana	
Actual Footage Loca 252	5	East	line and	1940	feet from	n the North	line
Ground Level Elev. 410	Producing For	nation	Pool				Dedicated Acreage:
				Wildcat			Acres
1. Outline	the acreage dedicat	ed to the subject	well by co	lored pencil o	or hachure m	arks on the plat	below.
2. If more and roya		dedicated to the	well, outlir	ne each and	identify the	ownership therec	of (both as to working interes
	itization, unitizatio		etc?			e interests of all	owners been consolidated by
If answer is necessary.)		-				consolidated. (U	Ise reverse side of this form i
No allowab							communitization, unitization ed by the Division.
				1			CERTIFICATION
				\		contained	certify that the information therein is true and complete to of my knowledge and belief.
	1			,   	٠	Mr. Sam	uel Jennings
				 		General Position	Partner dows Development, Lt
		*		;   		Company	dows beveropment, it
	 			; ;		Date 20	Jen 83
	1 1 1			1		shown of notes of under m	certify that the well location in this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my
	<del> </del> 			- +		Sem. Date Survey	nel Strungs
	 			 			rofessional Engineer
				; 			
0 . 310 .000	90 1980 1850 186	0 2310 2640	2000	1500 1000		Certificate N	io.



## ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

TONEY ANAYA

January 25, 1983

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

Commercial Union Insurance P. O. Box 20666 El Paso, Texas 79998

Re: \$2,000 One-Well Geothermal Bond Samuel Jennings - Mt. Shadows Development, Ltd., Principal Commercial Union Insurance Co., Surety

Bond No. CR-71359-66

Gentlemen:

The Oil Conservation Division hereby approves the above-referenced geothermal bond effective January 24, 1983.

Sincerely,

JOE D. RAMEY, Director

dr/

cc: Carl Ulvog - OCD Santa Fe

> Samuel K. Jennings 510 W. Amador Avenue Las Cruces, New Mexico