NMSU-TG-3 UL: J 14-29S-8W Luna County

DRILLED: 8/8/1980

		Form G-103 Adopted 10/1/74
NO. OF COPIES RECEIVED NEW MEXIC	O OIL CONSERVATION COMMISSION	//dop/od 10/1//-
NO. OF COFFES RECEIVED	O. Box 2088, Santa Fe 87501	
File · / /		
	OV NOTICES AND DEPORTS	
	RY NOTICES AND REPORTS	5. Indicate Type of Lease
U. S. G. S	ON .	State Fee XX
Operator GEOTH	ERMAL RESOURCES WELLS	5.a State Lease No.
Land Office		
Do Not Use This Form for Proposals to Drill or to Deepen or Pl For Permit —" (Form G-101) for Such Proposals.)	ug Back to a Different Reservoir. Use "Application	
1. Type of well Geothermal Producer Temp. (Observation XX	7. Unit Agreement Name · ·
Low-Temp Thermal 🔲 Injection	n/Disposal 🔲	· .
2. Name of Operator New Mexico Sttae Univer	sity	8. Farm or Lease Name
C.A. Swanberg, Principa	1 Investigator	NMSU .
3. Address of Operator		9. Well No.
Las Cruces, New Mexico	88003	TG-3
4. Location of Well		10. Field and Pool, or Wildcat
Unit LetterFeet From Tr	neFeet From	Columbus
The East Line, Section 14 Town	nship 29S Range R8W NMPM.	
	(Show whether DF, RT, GR, etc.)	12. County
3997	MSL	Luna
16. Check Appropriate Box To	Indicate Nature of Notice, Report or Other Da	ta
NOTICE OF INTENTION TO:	SUBSFOLE	NT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABAND		☐ ALTERING CASING . □
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS.	PLUG & ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS	CASING TEST AND CEMENT JOB	
	OTHER Information	X
	C) HER	
OTHER	LJ	
17. Describe Proposed or completed Operations (Clearly state proposed work) SEE RULE 203.	all pertinent details, and give pertinenet dates, inclu	ading estimated date of starting any
Well was drilled on August 8, 1980,	and subsequently temperature logg	ed several times.
PVC casing has been cut below grade	and canned and the surface restore	ed to original
	and capped and the surface restort	or co originar
condition.		

The well depth is approximately 100 ft. (see attached logs).

18. I hereby certify that the information above is true an	MAY 21 1981 CONSERVATION DIVISION	
18. I hereby certify that the information above is true an	nd complessAnd The best of my knowledge and belief.	
SIGNED Chamely A. Swanley	Associate Professor	
APPROVED BY Carl Ulvog	TITLE SENIOR PETROLEUM GEOLOGIST	
CONDITIONS OF APPROVAL, IF ANY:		

,		Adopted 10/1/
NO. OF COPIES RECEIVED NEW MEXICO OIL CONSE	ERVATION COMMISSION	
DISTRIBUTION P. O. Box 2088, S	Santa Fe 87501	
File		
N. M. B. M. SUNDRY NOTICES	S AND REPORTS	
U. S. G. S	1	5. Indicate Type of Lease
Operator GEOTHERMAL RES	SOURCES WELLS	State Fee XX
Land Office		5.a State Lease No.
Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a E For Permit —" (Form G-101) for Such Proposals.)	Different Reservoir. Use "Application	
1. Type of well Geothermal Producer Temp. Observation	XX	7. Unit Agreement Name
Low-Temp Thermal Injection/Disposal		_
2. Name of Operator New Mexico Sttae University		8. Farm or Lease Name
C.A. Swanberg, Principal Investi	gator	NMSU
3. Address of Operator		9. Well No.
Las Cruces, New Mexico 88003		TG-3 .
4. Location of Well		10. Field and Pool, or Wildcat
Unit LetterFeet From The	Line and Feet From	Columbus
	. 300 1 10117	
The East Line, Section 14 Township 29S	Range R8W NIMADNA	
Township	NamesNAMES	
15. Elevation (Show whether	r DF, RT, GR, etc.)	12. County
3997 MSL		Luna
16. Check Appropriate Box To Indicate Na	ture of Notice Papart or Other De	
	T. Control of the Con	
NOTICE OF INTENTION TO:	SUBSEQUE	NT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILLING OPNS.	PLUG & ABANDONMENT
PULL OR ALTER CASING CHANGE PLANS	CASING TEST AND CEMENT JOB	
	Information	
	OTHER	
OTHER	OTHER	
17. Describe Proposed or completed Operations (Clearly state all pertinent		iding estimated date of starting any
		iding estimated date of starting any
17. Describe Proposed or completed Operations (Clearly state all pertinent		iding estimated date of starting any
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203.	details, and give pertinenet dates, inclu	
17. Describe Proposed or completed Operations (Clearly state all pertinent	details, and give pertinenet dates, inclu	
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse	details, and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates.	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe	details, and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates.	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse	details, and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates.	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe	details, and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates, included and give pertinenet dates.	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition.	details, and give pertinenet dates, included and the surface restored	ed several times.
Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored	ed several times.
Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2.1 1981) OIL CONSERVATION DIVISION SANTA FE	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times.
Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times.
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times. ed to original
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times.
Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE 18. I hereby certify that the information above is true and complete to the besence of the proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times. ed to original
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE 18. I hereby certify that the information above is true and complete to the bessigned. Chough A. Awardy. TITLE AS	quently temperature logged and the surface restored attached logs).	ed several times. ed to original
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE 18. I hereby certify that the information above is true and complete to the bessigned. Chough A. Awardy. TITLE AS	details, and give pertinenet dates, included and the surface restored attached logs).	ed several times. ed to original
17. Describe Proposed or completed Operations (Clearly state all pertinent proposed work) SEE RULE 203. Well was drilled on August 8, 1980, and subse PVC casing has been cut below grade and cappe condition. The well depth is approximately 100 ft. (see MAY 2 1 1981 OIL CONSERVATION DIVISION SANTA FE 18. I hereby certify that the information above is true and complete to the bessigned. Characle A. Suranley. TITLE AS	quently temperature logged and the surface restored attached logs).	ed several times. ed to original



P.O. BOX 925 MESILLA PARK, N.M. 88047

BORE HOLES AT COLUMBUS

Well	Number		
l.	33METERS	loSft.	SAHD, SANDY CLAY, CLAY
2.	31METERS	lolft.	SAND, CLAY
3.	30.3METERS	99ft.	SAND, SANDYCLAY, CLAY
4.	30.2METERS	99ft.	SAND, SANDYCLAY, CLAY
5.	32.5METERS	106ft.	SAND, SANDYCLAYS
6.	27.5METERS	90ft.	SAND, STREADS OF CLAY
7.	26.5KETERS	87.5ft.	SAND, STREADS OF CLAY
8.	31.8METERS	104ft.	ALLUVIUM, SANDYCLAYS,CLAY
9.	31.4WETERS	103ft.	ALLUVIUM, SANDYCLAYS, CLAY
10.	30.5METERS	100ft.	SAND, SANDYCLAY, CLAYS
11.	30.5METERS	100ft .	SAND, SANDYCLAYS, CLAYS
12.	30.5METERS	looft.	SAND, SANDYCLAYS, CLAYS
13.	31.5METERS	103ft.	SAND, SAWDYCLAYS, CLAYS
14.	34METERS	lllft.	SAND, SANDYCLAYS
15.	32.5METERS	106ft.	SAND, SANDYCLAYS, CHAYS
16.	28. SMETERS	94ft.	SAND, SANDYCLAYS
TG-3.	. 31METERS	101ft.	SAND, SANDYCLAYS, CLAYS (NMSU identification number 76-3)

ALL BORE HOLES WERE DRILLED TO A DEPTH OF 100ft. + 10ft., BUT DUE TO SLUMPING AND CAVING SOME HOLES ARE NOT IN THE RANGE, THE WETER DEPTH IS. THE ACTUAL ALLOUNT OF 1" PVC CASING THAT WAS PUT DOWN HOLE.

Test Hole #13, Columbus, N.M.

Depth m	10/2/80	Temp.
5		21.37
10		20.18
15		20.72
20		20.95
25		21.14
30		21.34
31.5		21.38

Test Hole #14, Columbus, N.M.

Depth m	10/2/80	Temp.
5		21.04
10		20.25
15		20.64
20 -		20.82
25		21.00
30		21.21
34		21.36

Test Hole #15, Columbus, N.M.

Depth m	10/21/80	Temp. °C
5		21.41
10		20.78
15		21.23
20		21.52
25		21.81
30		22.04
32.5		22.14

Test Hole #16, Columbus, N.M.

	•	•
Depth m	10/21/80	Temp.
5		21.05
10		20.15
15		20.44
20		20.75
25		20.97
28.8		21.16

NIMSU TG-3

			•	
Test	Hole	#17,	Columbus,	N.M.

Depth m	10/2/80	Temp. °C
5		21.32
10		19.80
15		20.16
20		20.65
25		21.01
30		21.46
31		21.52

20 SOUTHES PER DIOP

lepth m

12/80

25120



P.O. BOX 925 MESILLA PARK, N.M. 88047

BORE HOLES AT COLUMBUS

Well	Number		
1.	33METERS	103ft.	SAND, SANDY CLAY, CLAY
2.	31METERS	lolft.	SAND, CLAY
3.	30.3METERS	99ft.	SAND, SANDYCLAY, CLAY
4.	30.2METERS	99ft.	SAND, SANDYCLAY, CLAY
5.	32.5METERS	106ft.	SAND, SANDYCLAYS
6.	27.5METERS	90ft.	SAND, STREADS OF CLAY
7.	26.5METERS	87.5ft.	SAND, STREADS OF CLAY
8.	31.8METERS	104ft.	ALLUVIUM, SANDYCLAYS, CLAY
9.	31.4NETERS	103ft.	ALLUVIUM, SANDYCLAYS, CLAY
10.	30.5METERS	100ft.	SAND, SANDYCLAY, CLAYS
11.	30.5METERS	100ft .	SAND, SANDYCLAYS, CLAYS
12.	30.5METERS	100ft.	SAND, SANDYCLAYS, CLAYS
13.	31.5METERS	103ft.	SAND, SANDYCLAYS, CLAYS
14.	34METERS	lllft.	SAND, SANDYCLAYS
15.	32.5METERS	106ft.	SAND, SANDYCLAYS, CLAYS
16.	28.SMETERS	94ît.	SAND, SANDYCLAYS
TG-3.	31METERS	101ft.	SAND, SANDYCLAYS, CLAYS (NMSU identification number IG-3)

ALL BORE HOLES WERE DRILLED TO A DEPTH OF 100ft. + 10ft., BUT DUE TO SLUMPING AND CAVING SOME HOLDS ARE NOT IN THE RANGE, THE METER DEPTH IS. THE ACTUAL ADJOUNT OF 1" PVC CASING THAT WAS PUT DOWN HOLE.

Test Hole #13, Columbus, N.M.

Depth m.	10/2/80	Temp. °C
5		21.37
10		20.18
15		20.72
20		20.95
25		21.14
30		21.34
31.5		21.38

Test Hole #14, Columbus, N.M.

Depth	10/2/80	Temp.
5		21.04
10		20.25
15		20.64
20 -		20.82
25		21.00
30		21.21
34		21.36

Test Hole #15, Columbus, N.M.

Depth m	10/21/80	Temp.
5		21.41
10		20.78
15	•	21.23
20		21.52
25		21.81
30		22.04
32.5		22.14

Test Hole #16, Columbus, N.M.

	•	*
Depth m	10/21/80	Temp. °C
5		21.05
10		20.15
15		20.44
20		20.75
25		20.97
28.8		21.16

AIMSU TG-3

Test	Hole	#17,	Columbus,	N.M.

Depth m	10/2/80	Temp. °C
5		21.32
10		19.80
15		20.16
20		20.65
25		21.01
30		21.46
31		21.52

20 COULARS FER INCH

lepth m

12/80

25120

Dear Mr. Ramey:

Please find enclosed a copy of Forms G-103 for the two geothermal wells in Luna County. The formation and temperature logs are attached.

A second mailing will contain this same material in triplicate as per the OCD Rules and Regulations. Thank you for your patience in this matter.

Sincerely yours,

Larry Icerman
Director

Çjş

Enclosure

TG-3

• •		
	Irration (Show whether DF, RT, GR, etc.) 3997 MSL 1984	ti. Covery Luna
ie. — Theck Appropriate	Box To Indicate Nature of Notice, R	eport or Other Data
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK C FLUG AND TEMPORABILY ASANOON C		SUBSECUENT REPORT OF: ORK — — — ALTERING CASING RILLING OPNS — — PLUG & ABANOINMEN
PULL OR ALTER CASING CHANGE P	÷	AND CEMENT SOS [] Information
отнёя	R3HTG	
17 Provide Bound of the contract of the contra	esta escán all nescionas desaite and alma a	Section with the section of the sect
in peutie rioposo or ampireo aprimos je ei proposid wirk) SEE RULE 101.	ach was de between Asser and Tus b	ertimenet dates, including estimated date of quarting en
Well was drilled on August 8, 1	1980, and subsequently temp	perature logged several times.
PVC casing has been cut below g	grade and capped and the su	irface restored to original
- ·		
condition.	·	
The well depth is approximately	u 110 fr. loss orbanad la	
1115 ME: 1 1/20/11 TO 500/0/7/2007/AF	A TAM IPP 1966 GEFORMER TO	28).
Ills wett nebrii to shbiovromeat	A TOO TE! ISES STEAMED TO	gs).
Ilig wett nebru to shbiovressear	A Ton Tre less grigenen to	gs).
Ilig mett nehrii ta shhiovromear	À Ton Tr' less arrachen to	gs).
Ilig mett nehrii ta shhiottameer	A TOA TE* 1866 WEFFICHER TO	gs).
Tils mett nehrit to phhiotromear	A TOA TEY IREE WETTOCKER TO	gs).
Tils wett nehru to phhiotromeat	A TOA TE* 1866 WEFFICHER TO	gs).
Tils wett nehru to phhiotressear	A TOA TEY IREE WITHOUSER TO	gs.).
Tils wett nehru to phhiotremeat	A TOA TEY PAGE WITHOUTER TO	gs
Tils wett nehru to phhlotremeat	A TOA TEY PAGE WITHOUTER TO	gs
THE METT REAFIL TO TANK OFTERSORT	A TOA TEY PAGE WITHOUTER TO	gs).
IN I perept centily that the informative above it trace		
	e end complete to the best of my knowledge Accordate Pro	rad belief.
18. I hereby certify/that the information above is true	e end complete to the best of my knowledge Accordate Pro	rad belief.
18. I hereby certify/that the information above is true	e end complete to the best of my knowledge Accordate Pro	rad belief.

Well numbers Bore Hole at Columbus 33 meters 108ft. Sand, Sandy Clay, Clay 31 meters 101 Ac. Sand, Clay Larkon Drilling Cor P.O. Box 925 Masilla Park new mex 100 88047

505-526-8672 As per telephone convesation by Sherilyn Gillber May 19, 1981 11.00

- f-j.>30.3MIIR3 99ft. SAND, SANDYCLAY, CLAY
 - 4. 30.2HETERS 991t. SAND, GRADYOLAY, CLAY
 - 5. 32.5WETERS 1062t. SARD, SANDYCLAYS
 - 6. 27.5NETERS GOEt. SAND, MERKES OF CLAY
 - 7. 26.5TERERS 87.5Pt. SAND, STREETS OF CLAY
 - 8. 31.8MATERS 1047t. ALLUVIUM, JANDYCLAYS,CLAY
 - 9. 31.4ESTERS 103St. ALLUVIUM, SANDYCLAYS, CLAY
 - 10. 30.5EEFERS 1001t. SAND, SANDYCLAY, CLAYS
 - 11. 30. SETTERS 100ft . SAND, SANDYCLAYS, CLAYS
 - 12. 30.5KUTERS 1000t. SAND, SANDYOLAYS, CLAYS
 - 13. 31.5KETIRS 103ft. SAND, BANDYOLAYS, CLAYS
 - 14. 34EEEES JIIFT. SAKO, REDYOLAYS
 - 15. 32.5METERS 106ft. SMID, DEMERCHAYS, CLAYS
 - 16. 28. SKETERS 94ft. SAND, SANDYCLAYS
- TG-3. BINESTERS 101st. SAND, SANDYCLAYS, GLAYS (NMSU Identification

ALL BORE HOLES HERE ORILLED TO A DEPTH OF 100ft, + 10ft., BUT DUE TO SIULATING AND CAVING SOME FOLDS AND NOT IN THE RANGE, THE HUTER DUPTH IS. THE ACTUAL MOUNT OF IT AVO CARING THAT THE FUT OF MY HOLE.

Tear	Hole	£13,	Columbus.	N.M.
1651	とちゃん	و است ا	T.T. T. francis - r. i	

Depth 2	10/2/80	Temp.
5		21.37
1 0		20.18
		•
15		20.72
20		20.95
25		21.14
30		21,34
31.5		21.38

Test Hole fi4, Columbus, N.M.

Depth	10/2/80	Temp
5		21.04
10		20.25
dition and "".		All Community of the Co
20 -		20.82
25		21.00
30		21.21
34		21.36

Test Hole #15, Columbus, N.M.

TERE HAR		,
Depch	10/21/80	Temp.
S		21.61
30		20.78
15		21.23
20		21.52
25		21.81
30		22.04
32.5		22.14

Test Hole #16, Columbus, N.M.

Depth Ta	10/21/80	Temp. *C
	- Monte San San	21.05
10		20.15
15		20.44
20		20.75
25		20.97
28.8		21.16

NMSU TG-3 Test Hole #17, Columbus, N.M.

Depth	10/2/80	Temp.
5		21.32
10		19.80
15		20.16
20		20.65
25		21.01
30		21.46

NMW TG-3

NEW MEXICO ENERGY INSTITUTE

OFFICE OF THE DIRECTOR Box 3EI/Las Cruces, New Mexico 88003 Telephone (505) 646-1745

May 11, 1981



File TG-3

Mr. Carl Ulvog Senior Geologist Oil Conservation Division State Land Office Building P.O. Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Ulvog:

Please find enclosed copies of the well logs for two geothermal temperature gradient wells, NMSU TG-3 and NMSU DT-4, that were drilled near Columbus, New Mexico. Wells $\overline{\text{TG-3}}$ and DT-4 were permitted for 100 ft. and 1,000 ft., respectively.

If I can be of any further assistance in this matter, please do not hesitate to contact me.

Sincerely yours,

Larry Icerman

Director

cjs

Enclosure

SOLAR GE



P.O. BOX 925 MESILLA PARK, N.M. 88047

BORE HOLES AT COLUMBUS

Well	Number	·	
l.	33METERS	108ft.	SAND, SANDY CLAY, CLAY
2.	31METERS	lolft.	SAND, CLAY
3.	30.3METERS	99ft.	SAND, SANDYCLAY, CLAY
4.	30.2METERS	99ft.	SAND, SANDYCLAY, CLAY
5.	32.5METERS	106ft.	SAND, SANDYCLAYS
6.	27.5METERS	90ft.	SAND, STREADS OF CLAY
7.	26.5METERS	87.5ft.	SAND, STREADS OF CLAY
8.	31.8METERS	104ft.	ALLUVIUM, SANDYCLAYS, CLAY
9.	31.4WETERS	103ft.	ALLUVIUM, SANDYCLAYS, CLAY
10.	30.5METERS	100ft.	SAND, SANDYCLAY, CLAYS
11.	30.5METERS	100ft .	SAND, SANDYCLAYS, CLAYS
12.	30.5METERS	looft.	SAND, SANDYCLAYS, CLAYS
13.	31.5METERS	103ft.	SAND, SANDYCLAYS, CLAYS
14.	34METERS	lllft.	SAND, SANDYCLAYS
15.	32.5METERS	106ft.	SAND, SANDYCLAYS, CLAYS
16.	28.8METERS	94ft.	SAND, SANDYCLAYS
T G-3	31METERS	lOlft.	SAND, SANDYCLAYS, CLAYS (NMSU identification number TG-3)

ALL BORE HOLES WERE DRILLED TO A DEPTH OF 100ft. + 10ft., BUT DUE TO SLUMPING AND CAVING SOME HOLES ARE NOT IN THE RANGE, THE METER DEPTH IS. THE ACTUAL AMOUNT OF 1" PVC CASING THAT WAS PUT DOWN HOLE.

Memo

4/30/81 Drom

CARL ULVOG

Jo File NM5U # TG-3 J-14-295-8W

On 10/1/80 this well had been drilled and capped-plattic pipe was in place. It is near the deep well now drilling below 750°.

H/29 - Could not find well. It may be in a water-filled depression (recent rain) of which there are many; or it could have been run over by vehicles and location obliterated. Attendants at Border Station had no knowledge of any activity in area after deep well was drilled and abandoned.

NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	1_	1
N.M.B.M.	1	
U.S.G.S.		
Operator	-	
bandsOffice BLM	1	

NEW MEXICO OIL CONSERVATION COMMISSION

NO. OF COPIES RECEIVED	, , , , , , , , , , , , , , , , , , , ,	MEXICO OIL CONSERV	ATTON COMMISSION			
DISTRIBUTION		P. O. Box 2088, Santa Fe 87501				
File	1 1			Γ.		
N,M,B,M.				1		Type of Lease
U.S.G.S.	APPL	APPLICATION FOR PERMIT TO DRILL, DEEPEN,			STATE L	FEE X
Operator	OR PLU	G BACK GEOTHERN	IAL RESOURCES WE	:LL *	a State Le	ase No.
band Office BLM						
	·		\			
1a. Type of Work Dril	ı X	Deepen` 🗆	Plug Back		7. Unit Agre	ement Name
b. Type of Well Geo	thermal Producer 🔲	Ter	np Observation 🕱	-	8. Farm or I	Lease Name
Low	-Temp Thermal 🗆	. Inje	ction/Disposal		NM	SU
2. Name of Operator N	ew Mexico State Un	niversity		(9. Well No.	
	.A. Swanberg, Prin	•	tor	ì	TG	-3
3. Address of Operator					10. Field and Pool, or Wildcat	
	as Cruces, New Mer				Col	umbus
4. Location of Well	LETTER J LOCAT	2012.11 Ft.	West and 132.4	7 Ft.		
South of the East	Quarter Corner _{OF}	SEC. 14 TWP. T29	S RGE, R8W	NMPM		
					12. County	
+++++++++++++++++++++++++++++++++++++++	<i>HHHHHH</i>	4444444	<i>HHHHHH</i>	HHHH	Luna	HHHHHm
			Proposed Depth 1	9A. Formation	l	20. Rotary or C.T.
			100'	alluvia	1	Rotary
21. Elevations (Show whether		•	1B. Drilling Contractor			c. Date Work will start
3997 MSL	Firema	an's Fund L	ar Jon Drilling	Co., Las	8/	8/80
	rindell & Rollings F	, Bond No. 63580 ROPOSED CASING AND	Cruces,	NM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
6"	1"	plastic	100'	back fi	11ed	
	1					

Note: Carry Location as 2772.5' FNL and 2012.1' FEL



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deeper zone. Give blowout preventer program, if any.	n or plug back, give data on present productive zone and	d proposed new productive
I hereby certify that the information above is true and complete to the best of m	y knowledge and belief.	
Signed Carm Mullred over Title	Engineer and Land Surveyor	Dec. 9, 1980

(This space for State Use)

SENIOR PETROLEUM GEOLOGIST

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

Form G-102 Adopted 10/1/74

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section. Well No. Lease Operator New Mexico State University TG-3 C.A. Swanberg, Principal Investigator NMSU County Unit Letter Section Township Range T29S R8W 14 Luna Actual Footage Location of Well: 2012.11 Ft. West and 132.47 Ft. South of the East Quarter Corner of said Section 14 Dedicated Acreage: Ground Level Elev. Producing Formation Pool 3997 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 ownersip 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_____ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if 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 NE cor. 14 NW cor. 14 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name Position Company West Quarter East Quarter Date 132.47' Corner 14 Corner 14 2012.11'' 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 MOISING DECTO 1980 III knowledge and belief. Date Surveyed amy Mu Registered Professional Engineer and/or Land Surveyor Larry O. Underwood P.E. and L.S. # 5983 Certificate No. 330 1980 2310 2640 2000 660 90 1320 1650 1500 1000 500