GTLT - ____9___

22-1S-1W Sunoco Energy Development Corporation (Socorro County)

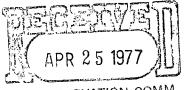
	NEW MEXICO OIL CONS	ERVATION COMMISSION	
NO. OF COPIES RECEIVED	{	Santa Fe 87501	
DISTRIBUTION	F. G. Box 2000,	34116 87301	
File			
N. M. B. M.	SUNDRY NOTICES	S AND REPORTS	
G. S	10	N	5. Indicate Type of Lease
Operator	GEOTHERMAL RE	SOURCES WELLS	State Fee X
Land Office			5.a State Lease No.
	1		
D. No. 11. This Feet is Described.	Daill and D	Difference in the Manufication	
Do Not Use This Form for Proposals to For Permit —" (Form G-101) for Such		Different Heservoir. Ose Application	
1. Type of well Geothermal Prod	ucer Temp. Observation	X)	7. Unit Agreement Name
Low-Temp Therm		_	None
2. Name of Operator	injection, Bisposa		8. Farm or Lease Name
· -	David Commont Commonst	tion	
3. Address of Operator	Development Corporat	CT011	9. Well No.
·	tmal D1 Spita 1500	Dollog TV 75954	
	tral Pl.,Suite 1500,	Dallas, TX 75251	5-77-1
4. Location of Well	~		,
Unit Letter U, 1900	Feet From The _S	Line and $\underline{2300}$ Feet From	None
The $f E_ullet$ Line, Section	$\underline{22}$ Township $\underline{1S}$.	Range <u>lW</u> NMPM.	
			711111111111111111111111111111111111111
	15. Elevation (Show whether	er DF, RT, GR, etc.)	12. County
	4735	G.L.	Socorro
16. Check	* * * * * * * * * * * * * * * * * * *	sture of Notice, Report or Other Da	
	·	· -	
NOTICE OF INTE		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	
			,
	·	OTHER	
OTHER	U		
		1	
· ·	perations (Clearly state all pertinent	details, and give pertinenet dates, incl	uding estimated date of starting any
proposed work) SEE RULE 203.			
	`		•
The rea	ferenced temperatur ϵ	e observation well ha	s been
	-		
aroppe	1 from the drifting	program and will not	be
drille	d. The site has not	been occupied by an	Y
drilli	ng equipment.		
•			
		•	
· ~			
•	7,	·	
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/ OGT 311	977 /		<u>-</u>
£ .	<u> </u>		
. H. C.	3		
OL CO. BENEATO.	· COTALLAT		
S _u)		1	
•			i
		·	
hereby certify that the information	above is true and complete to the bes	st of my knowledge and belief.	
	4	<u> </u>	
SIGNED ALTON	٠٠٠	CE DOESTARAM	10/05/77
SIGNED A		CE PRESIDENT	DATE10/25/77
_	Ge	eothermal Services, I	11C.
(12-0),0	CEN	NOR PETROLEUM GEOLOGIST	nors 11/22/77
**************************************		01U1 LIMOGEON VUII	50~~ U/ 4~/ / /

CONDITIONS OF APPROVAL, IF ANY:

•				到70万里	m	Form G-10 Adupted 1(
NO. OF COPIES RECEIVED	NE.	W MEXICO OIL CONSER		1077		
gi STRIBUTION /		P. O. Box 2088, Sa	nta Fe 87501 APR	25 1977	لك	
В.М. /		LICATION FOR PERMI UG BACKGEOTHERI	L'III	SVATION C	MM Modicate	Type of Lease
0.5.G.S.	APPI	LICATION FOR PERMI	T TO DRILL, BEEPE	anta Fe	STATE L	FEE ase No
Operator /	ORPL	UG BACKGEOTHERI	MAL RESOURCES WE	LL	J.2 31810 E0	
BLM I						
1a. Type of Work Drill	[X]	Deepen 🗆	Plug Back 🗀			ement Name
.,,	rmal Producer 🔲 mp Thermal 🔲		mp Observation X ection/Disposal		8. Farm or L	
2. Name of Operator SUNOCO ENERGY	DEVELOPMENT	CORPORATION		77.	9. Well No.	'-1
3. Address of Operator						Pool, or Wildcat
		Suite 1500, Da		75251	none	
		TED 1900 FEET FR		LINE		
AND 2300 FEET FROM	THE EAST LINE OF	SEC. 22 TWP. 18	RGE. 1W		12. County	}
				<i>HHH</i>	Socorr	
		}}	Proposed Depth	9A. Formatio	n _	20. Rotary or C.T.
			500 ft	unknow		rotary
21. Elevations (Show whether D. 4735 ft (GI		d & Status Plug. Bond 2:	B. Drilling Contractor eothermal Ser	vices	May	. Date Work will start 10, 1977
		PROPOSED CASING A'ND	CEMENT PROGRAM		•	,
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF		EST. TOP
5-1/8"	3/4"	1.14#	500 '	1.5		6" BGL
		ee attached " Tole Drilling		low Tem	peratu:	re Gradient
	Note A - T	ype of bond w	ill be "\$10,0	000 Mult	iple-W	ell Low-
	· T	emperature We	ll or Geother	mal Obs	ervation	on Well
	a	ond". Bond in bond number of efore operation	will be furni	shed as	soon	as available
	~	ororo operaci			· APPRO'	VAL VALID
Quad 65			•		FOR 90 E	AYS UNLESS
·*			4		DRILLING	COMMENCED.
			•	FXF	IRES	11/77
N ABOVE SPACE DESCRIBE PR	. , OPOSED PROGRAM: I	f proposal is to deepen or	plug back, give data on p	resent product	live zone and	proposed new product
he by certify that he information		plete to the best of my kn	owledge and belief.			······································
Signed Stoff	Swell	Title Chief Geole	Geother <u>ogist,Service</u>		Apri	1 18, 1977
(This space for S	tate Use)	·				
GERROVED BY Carl L	luan		LEUM GEOLOGIŠT		- 51	13/77
CONDITIONS OF APPROVAL, IF	ANY:	TITLE		DA	ATE	·

NEW MEXICO OIL CONSERVATION COMMISSION P. O. BOX 2086 SANTA FE 875011 PL GEOTHERMAL RESOURCES WELL LOCATION AND ACRE AGE DEDICATION PL All distances must be from the outer boundaries of the Seaten. 5 1077

Chrose E.							Well No.
Letter	nergy Deve	lopment Cor	.b•	Range	clf cons	SERVATION (5-77-1
.T	22	1S		1W	So	Santa Fo	· •
nual Footage Loc		1 10		<u></u>			
1	900 feet from the	South	line and	2300	feet from t	he East	line
ound Level Elev. 4735			Pool				Dedicated Acreage:
		None	. "	None		- an the plat	None Acres
1. Outline	the acreage dedic	cated to the subject	ct well by co	loted belief of	Hachuse maik	is on the plat	below.
2. If more and roy		is dedicated to th	e well, outlis	ne each and id	entify the ow	nership thered	of (both as to working inter
		of different owne	-	ated to the we	ll, have the in	nterests of all	owners been consolidated
☐ Yes	□ No If	answer is "yes," t	ype of conso	lidation			
If answer inecessary.)		owners and tract of	lescriptions v	which have act	ually been co	nsolidated. (U	se reverse side of this form
No allowa	ble will be assi						communitization, unitizatied by the Commission.
roseca poos	inig, or otherwise,	, or anem a non see		Januaring Dec	.,,	o commercial	- -
	1					i T	CERTIFICATION
	Í		i				
	1.			i		1 1	certify that the information complete
	1	,		1		1 1	of my knowledge and belief.
	1			1			
		1		1	,	1/7	Sel / 1 T
	1				,		
	_ 	·				Name	The state of
	 ! Hole	#5-77-1 to	be loc	 ated:		Stev	e Quiett
. <u> </u>	1	#5-77-1 to			 R 1W	Steve	
	1	#5-77-1 to			R.1W	Steve Position Chie Company	f Geologist
	1	1			R.1W	Steve Position Chie Company Geother	f Geologist
	1	1			R.1W	Position Chie Company Geother	f Geologist
	1	1			R.1W	Position Chie Company Geother	f Geologist
	1	1			R.1W	Position Chie Company Geother	f Geologist
	1	1			R.1W	Position Chie Company Geother Date April	f Geologist rmal Services, 1 18, 1977 certify that the well location
	1	1			R.1W	Position Chie Company Geother Date April	f Geologist rmal Services, 18, 1977 certify that the well location this plat was plotted from field.
	1	1			R.1W	Position Chie Company Geother Date April	f Geologist rmal Services, 1 18, 1977 certify that the well location this plat was plotted from field actual surveys made by me
	1	1			R.1W	Steven Position Chie Company Geother Date April	f Geologist rmal Services, 1 18, 1977 certify that the well location this plat was plotted from field actual surveys made by me is supervision, and that the san
	1	1			R.1W	Position Chie Company Geother Date April I hereby shown on notes of under my is true a	f Geologist rmal Services, 1 18, 1977 certify that the well location this plat was plotted from fies actual surveys made by me is supervision, and that the same
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	1	1			R.1W	Steven Position Chie Company Geother Date April I hereby shown on notes of under my is true a knowledg Date Surveyer Registered Pr	f Geologist mal Services, I 18, 1977 certify that the well location this plat was plotted from field actual surveys made by me of supervision, and that the same and correct to the best of me and belief.





GEOTHERMAL SERVATION COMM. INC.

7860 CONVOY COURT, SAN DIEGO, CALIFORNIA 92111 • (714) 565-4712

STANDARD SHALLOW TEMPERATURE GRADIENT HOLE DRILLING PROGRAM (500'/150m; Rubber Tired Equipment; Rotary/Mud)

- 1. Coordinate "Special Stipulations" or other unusual requirements with the Project Geologist prior to set-up and spud.
- 2. Choose location and orientation of drilling rig so as to minimize surface disturbance.
- 3. Drill 4" to 6" hole to maximum depth of 500'/150m. Take cuttings samples, cores, etc. at direction of Project Geologist.
- 4. If drilling with mud, use regular Bentonite drilling mud. No toxic additives are to be used in drilling fluids without permission of Project Geologist. Have supply of lost circulation material available. Use portable mud pits unless specifically directed otherwise.
- 5. Have a supply of Barite available in case of artesian flow. If artesian flow is encountered, comply with United States Geological Survey's Stipulations.
- 6. Mud return temperature shall be measured and recorded on "Drilling History" every 10'/3m.
 - a. If temperature reaches 120°F/50°C, <u>STOP</u> <u>DRILLING</u> and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, run pipe at this depth after logging is completed.
 - b. If there is a sudden increase in temperature of the drilling mud (several degrees in only a few feet) STOP DRILLING and circulate for 30 minutes, monitoring mud temperature and pit volume for possible hot artesian flow. If no flow, continue drilling CAUTIOUSLY, keeping a careful watch on return temperature of drilling fluid. In no case shall drilling continue after mud return temperature reaches 120°F/50°C.

- 7. Run pipe immediately after running electric logs or reaching T.D. (if hole is not logged).
 - a. Install cap on bottom of first length of pipe. (If using steel pipe, seal each joint with teflon tape to ensure watertight).
 - b. Steel pipe must be used when air temperature is 40°F or below, as PVC cement will not adhere.
 - c. Steel pipe must be used if drilling fluid temperature exceeds 100°F/40°C.
 - d. When pipe is landed, top must be 6" to 12"/
 15cm to 30cm below ground level. (Cut and .
 thread as necessary).
 - e. Fill pipe with <u>CLEAN WATER</u> (water that is oily or contains solvents such as gasoline <u>MUST NOT</u> be used) and install cap. Do not seal.
 - f. Set paper, rag or dirt bridge down open annulus at least 10'/3m below ground level. Fill annulus with cement up to base of cap on pipe.
- 8. Clean up location THOROUGHLY.
- 9. Any excavated pits or sumps must be backfilled to conform to the original topography.
- 10. When temperature surveys are completed, fill pipe with cement from 10'/3m to top of pipe, fill excavation to original ground topography and restore location as nearly as possible to original condition.