

**GTLT - \_\_\_\_7\_\_\_\_**

**(26&35)-24S-20W  
Chevron U.S.A. Inc.  
(Hidalgo County)**

**177-L(PA) & 477-O(PA)**

1. OF COPIES RECEIVED		
DISTRIBUTION		
File	1	✓
J. M. B. M.		
J. S. C. S.		
Operator	1	
Land Office		

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501SUNDRY NOTICES AND REPORTS  
ON  
GEOTHERMAL RESOURCES WELLS

JUN 29 1978

5. Indicate Type of Lease  
State ☐ Fee ☒  
5.a State Lease No.

Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a Different Reservoir. Use "Application or Permit" (Form G-101) for Such Proposals.)

Type of well Geothermal Producer ☐ Temp. Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐Name of Operator  
Chevron U.S.A. Inc.Address of Operator  
P.O. Box 3722, San Francisco, CA 94119Location of Well  
Unit Letter L 1500 Feet From The S Line and 900 Feet From  
The W Line, Section 26 Township 24S Range 20W NMPM.

7. Unit Agreement Name

8. Farm or Lease Name  
Mahen9. Well No.  
17710. Field and Pool, or Wildcat  
Wildcat15. Elevation (Show whether DF, RT, GR, etc.)  
4170'12. County  
Hidalgo

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

REPAIR REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐ CHANGE PLANS ☐  
OTHER ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG & ABANDONMENT ☒  
CASING TEST AND CEMENT JOB ☐  
OTHER ☐

7. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

Hole was abandoned by filling with drilling mud and cuttings to within 10 feet of the surface. The remaining void was filled with a cement, and the ground surface smoothed. Exact date of abandonment is not available.

8. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. E. Warner TITLE Attorney-In-Fact DATE 5/2/78APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 5/23/79

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	4
DISTRIBUTION	
File	✓
U.M.B.M.	✓
U.S.G.S.	✓
Operator	✓
Land Office	

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2086, Santa Fe 87501

APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

NOV 14 1977

Form G-101

5A. Indicate Type of Lease

STATE ☐

REC ☒

5. State Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

R. A. Kerr  
M. M. M. M.

9. Well No.

177

10. Field and Pool, or Wildcat

a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐

b. Type of Well Geothermal Producer ☐ Temp Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐

c. Name of Operator  
CHEVRON U.S.A. INC.

d. Address of Operator  
P.O. Box 3722 San Francisco, Ca. 94119

e. Location of Well UNIT LETTER L LOCATED 1500 FEET FROM THE S LINE

AND 900 FEET FROM THE W LINE OF SEC. 26 TWP. 24S RCE. 20W NM2M

12. County  
Hidalgo

19. Proposed Depth  
500'

19A. Formation

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, RT, etc.)  
4170'

21A. Kind & Status Plug. Bond

21B. Drilling Contractor  
to be named later

22. Approx. Date Work will start  
12-1-77

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

Plan of Operation Attached

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed J. S. Turner Title Attorney-In-Fact Date 10-3-77

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1-13-78

CONDITIONS OF APPROVAL, IF ANY:

CHEVRON RESOURCES COMPANY

PLAN OF OPERATION

SHALLOW TEMPERATURE GRADIENT HOLES

EXHIBIT "A"

1. Description of the Operation

The Shallow Temperature Observation Hole Program, as conducted by the Chevron Resources Company, requires the drilling of 250-500 foot holes with a diameter of 4-3/4 to 5-3/8 inches. The number of holes will vary with the size of the area to be evaluated. These holes will be drilled by a state licensed drilling contractor using a truck mounted drill rig. The mud-out temperature will be monitored continually during the actual drilling.

Once each hole is completed a 1 inch (I.D.) black steel pipe, sealed at the bottom, will be placed in the hole with the top being 8-12 inches from the ground surface. The pipe is then filled with water and capped. The hole is then back-filled with cuttings and/or drilling mud to within 10 feet of the surface. The remaining void is then filled with cement.

As necessary, the pipe is unearthed and a temperature probe is lowered to total depth. Once the series of temperature logs is completed, the pipe is then filled with cement and buried. The ground surface is then smoothed and returned to as nearly as practical to pre-drilling condition.

The drilling operations will be suspended if the mud-out temperature reaches 125°F and cannot be lowered or stabilized with the addition of well-head or cooling devices. The hole will then be completed as a temperature gradient hole or abandoned.

The drilling operations will also be suspended if flowing hot water or steam at 150°F or more is encountered. The hole will then be completed as a temperature gradient hole by placing 1 inch (I.D.), black, steel pipe to total depth and cementing from total depth to surface. If the hole is to be abandoned it will be plugged with cement from total depth to surface.

If cold artesian flow is encountered the hole will be completed or abandoned as described in the paragraph above.

The equipment for drilling, as well as the drill rig, consists of a water truck and a light pickup truck. The temperature probe consists of a thermometer or thermister device on the end of a wire line and a small tripod-mounted wheel for lowering the probe down the hole.

2. The following plan of operations as required by Section 270.34 of the Federal Regulations for Geothermal Operations on public acquired and

withdrawn lands, covering paragraphs (a) through (h), is submitted pursuant to Section 270.78:

- (a) The hole locations, lease numbers (Exhibit "B") and outline of a typical drill site layout (Exhibit "C") are attached.
- (b) No new roads will be constructed for this operation. Access to area of operations will be along existing roads.
- (c) No water sources on federally administered lands will be developed and no road building material will be used.
- (d) Campsites, airstrips or other supporting facilities will not be required.
- (e) Minimal access scars, limited mainly to tire impressions, may occur during the course of drilling the hole. All such disturbances will be restored as nearly as possible to pre-drilling condition. All materials will be removed from the area once the hole is completed.
- (f) Topographic features of the drill site areas and drainage can be observed from the attached map (Exhibit "B").
- (g) If drilling mud or foam are used they will be contained by portable steel containers. When the hole is completed, the mud residue will be dried and spread on the ground surface.
- (h) The Chevron Resources Company will use all reasonable precautions to prevent waste of geothermal resources and other natural resources found in the area. At all times during operations the following precautions will be taken:

Traffic will be light and only when necessary. Light pickups will be used whenever possible. To the extent possible, only existing roads, fence lines or jeep trails will be used.

Site preparation will be limited to driving the truck-mounted drill rig to the site and setting it up for drilling.

Since the topography is not severe, the construction of drill pads will not be required.

All vehicles will be equipped with spark arresters and will carry the required fire-fighting equipment and all adequate fire protection measures will be taken to prevent any damage from fire.

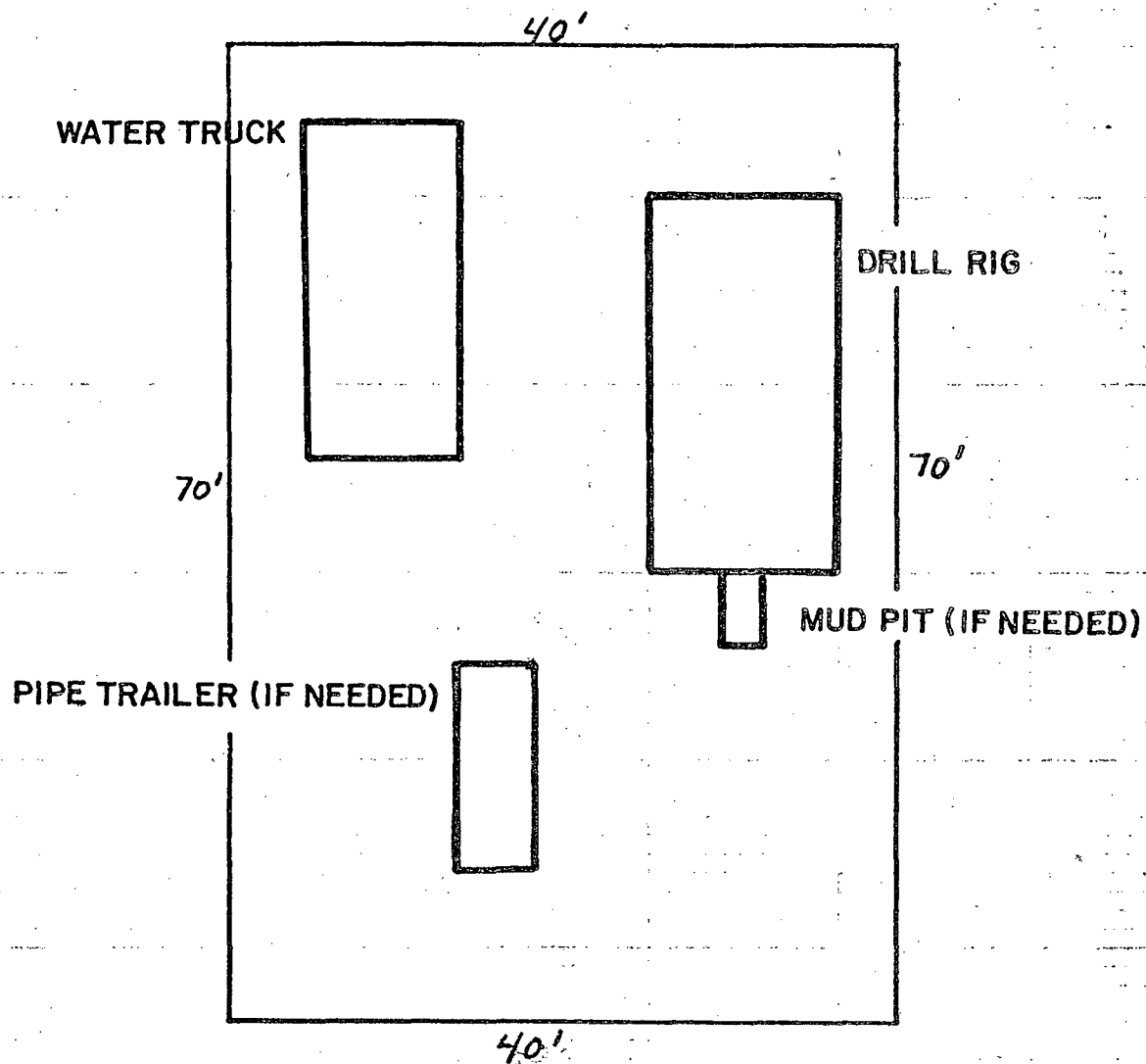
No water or other material will be pumped onto the surface of the ground which might result in soil erosion. Appropriate care will be taken so that natural drainage will not be affected and so that no pollution can occur to surface or ground water.

Geothermal operations will have no material impact on fish and the

disturbance of wildlife and vegetation in the area will be minor due to the short duration of operations and the limited number of personnel comprising the field crews. No significant damage or destruction of vegetation will occur and unavoidable dislocation of wildlife will be short term only.

Mufflers and other available devices will be used on all vehicles to control noise pollution. Minor air pollution will occur from vehicle exhaust, but all feasible measures will be used to control this pollution, in compliance with applicable laws, rules and regulations. Minor air pollution will occur from dust caused by vehicle traffic on dirt roads. Since this pollution is dependent upon natural road conditions and is temporary it therefore has no significant affect on the areas environment.

There will be very little hazard to public health and safety due to the lack of population in the area. All such hazard is confined to the crew or the rig. All appropriate safety measures and equipment will be utilized.



SCHEMATIC OF SHALLOW TEMPERATURE HOLE DRILL SITE

EXHIBIT "C"

1.245  
10  
1.255



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

4

1

1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

4182

1

1



1

100  
100  
100  
100

100

100

100

77

17

11  
11  
11  
11



U  
R  
L  
L

$\frac{1}{2}$   
 $\frac{1}{2}$   
 $\frac{1}{2}$   
 $\frac{1}{2}$

11  
12  
13  
14

11

10

2.

100



## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

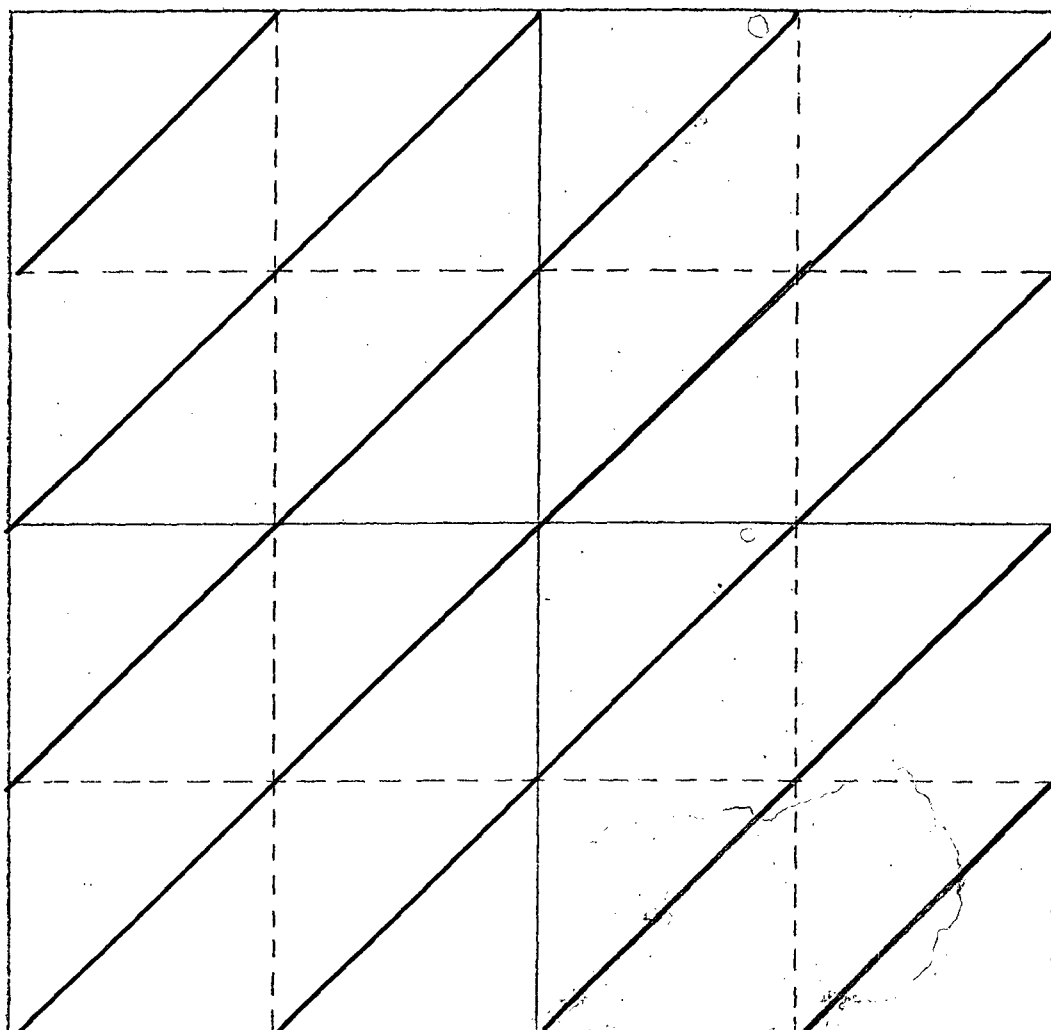
Operator <b>CHEVRON U.S.A. INC.</b>			Location <b>M. MAHEN</b>			Well No. <b>177</b>		
Half Section <b>L</b>	Section <b>26</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>				
Actual Well Location of Well: <b>1500</b> feet from the <b>S</b> line and <b>900</b> feet from the <b>W</b> line								
Shaded Layer Elev. <b>4170'</b>	Producing Formation			Pool <b>CONSERVATION UNIT</b>			Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes ☐ No 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.

Name J. H. Turner  
Position Attorney-in-Fact

Company: Chevron U.S.A. Inc.

Date January 31, 1978

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. \_\_\_\_\_

0 310 640 90 1320 1650 1980 2310 2640 2000 1500 1000 500 0

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

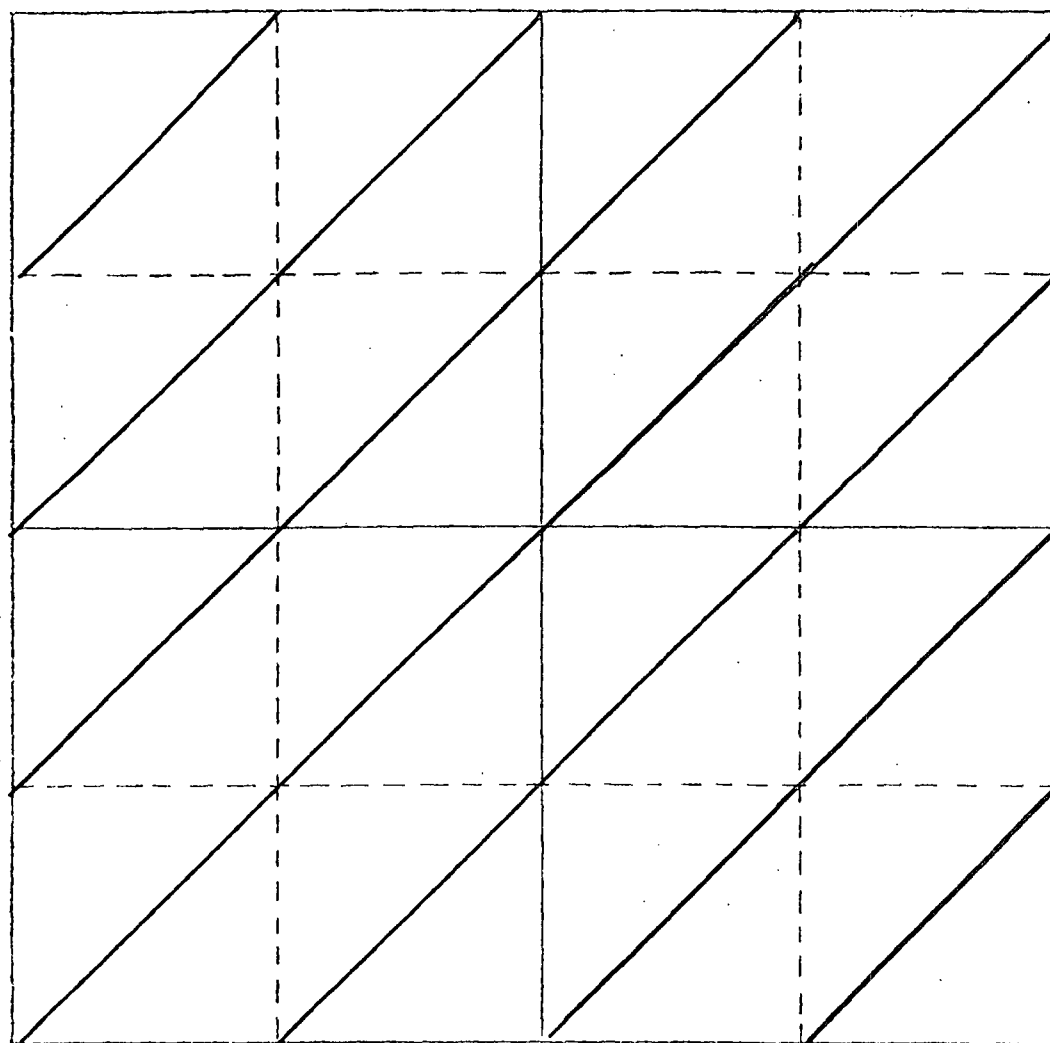
Owner <b>CHEVRON U.S.A. INC.</b>			Lessee <b>M. MAHEN</b>		Date <b>MAR 02 1978</b>		Well No. <b>177</b>
State Letter <b>L</b>	Section <b>26</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>			
Actual Location of Well: <b>1500</b> feet from the <b>S</b> line and <b>900</b> feet from the <b>W</b> line							
Ground Level Elev. <b>4170'</b>	Producing Formation		Pool			Dedicated Acreage:  Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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?

☐ Yes ☐ No 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.

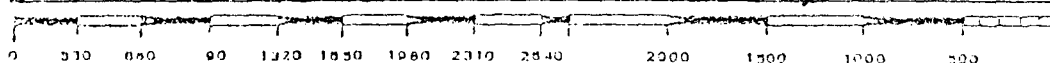
Name J. R. Turner  
 Position Attorney-in-Fact  
 Company Chevron U.S.A. Inc.  
 Date January 31, 1978

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. \_\_\_\_\_



# GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section. AR 02 1978

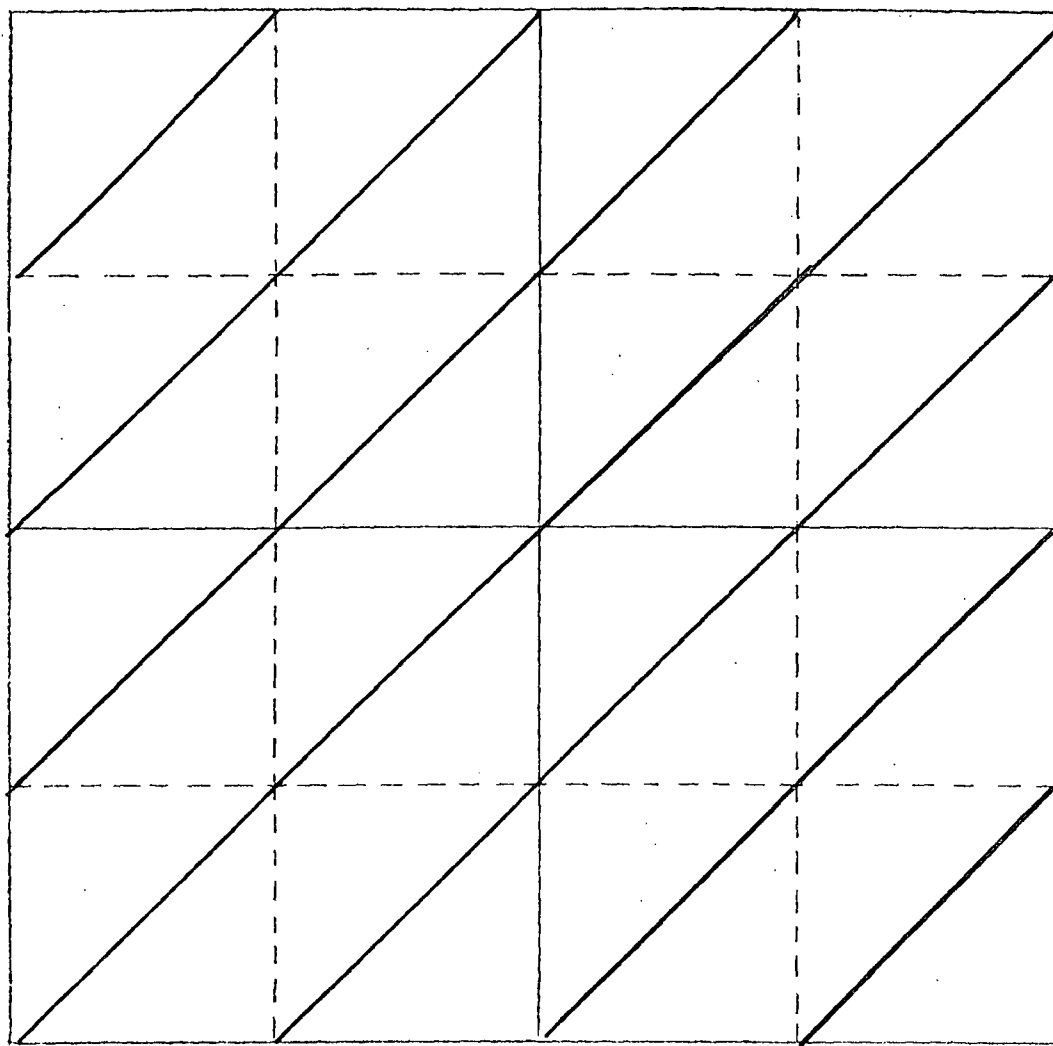
Owner <b>CHEVRON U.S.A. INC.</b>			Lessee <b>M. MAHEN</b>		Well No. <b>177</b>
Unit Letter <b>L</b>	Section <b>26</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>CHIDALGO</b>	
Actual Well Location of Well: <div style="display: flex; justify-content: space-between; align-items: center;"> <span>1500</span> <span>S</span> <span>900</span> <span>W</span> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> <span>feet from the</span> <span>line and</span> <span>feet from the</span> <span>line</span> </div>					
Shall Layer Elev. <b>4170'</b>	Producing Formation		Pool		Dedicated Acreage:  Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes    ☐ No    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.

Name: J. H. Turner  
 Position: Attorney-in-Fact  
 Company: Chevron U.S.A. Inc.  
 Date: January 31, 1978

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. \_\_\_\_\_

0 310 620 930 1240 1550 1860 2170 2480 2790 3100 3410 3720 4030 4340 4650 4960 5270 5580 5890 6200 6510 6820 7130 7440 7750 8060 8370 8680 8990 9300 9610 9920 10230 10540 10850 11160 11470 11780 12090 12400 12710 13020 13330 13640 13950 14260 14570 14880 15190 15500 15810 16120 16430 16740 17050 17360 17670 17980 18290 18600 18910 19220 19530 19840 20150 20460 20770 21080 21390 21700 22010 22320 22630 22940 23250 23560 23870 24180 24490 24800 25110 25420 25730 26040 26350 26660 26970 27280 27590 27900 28210 28520 28830 29140 29450 29760 30070 30380 30690 31000 31310 31620 31930 32240 32550 32860 33170 33480 33790 34100 34410 34720 35030 35340 35650 35960 36270 36580 36890 37200 37510 37820 38130 38440 38750 39060 39370 39680 39990 40300 40610 40920 41230 41540 41850 42160 42470 42780 43090 43400 43710 44020 44330 44640 44950 45260 45570 45880 46190 46500 46810 47120 47430 47740 48050 48360 48670 48980 49290 49600 49910 50220 50530 50840 51150 51460 51770 52080 52390 52700 53010 53320 53630 53940 54250 54560 54870 55180 55490 55800 56110 56420 56730 57040 57350 57660 57970 58280 58590 58900 59210 59520 59830 60140 60450 60760 61070 61380 61690 62000 62310 62620 62930 63240 63550 63860 64170 64480 64790 65100 65410 65720 66030 66340 66650 66960 67270 67580 67890 68200 68510 68820 69130 69440 69750 70060 70370 70680 70990 71300 71610 71920 72230 72540 72850 73160 73470 73780 74090 74400 74710 75020 75330 75640 75950 76260 76570 76880 77190 77500 77810 78120 78430 78740 79050 79360 79670 79980 80290 80600 80910 81220 81530 81840 82150 82460 82770 83080 83390 83700 84010 84320 84630 84940 85250 85560 85870 86180 86490 86800 87110 87420 87730 88040 88350 88660 88970 89280 89590 89900 90210 90520 90830 91140 91450 91760 92070 92380 92690 93000 93310 93620 93930 94240 94550 94860 95170 95480 95790 96100 96410 96720 97030 97340 97650 97960 98270 98580 98890 99200 99510 99820 100130 100440 100750 101060 101370 101680 101990 102300 102610 102920 103230 103540 103850 104160 104470 104780 105090 105400 105710 106020 106330 106640 106950 107260 107570 107880 108190 108500 108810 109120 109430 109740 110050 110360 110670 110980 111290 111600 111910 112220 112530 112840 113150 113460 113770 114080 114390 114700 115010 115320 115630 115940 116250 116560 116870 117180 117490 117800 118110 118420 118730 119040 119350 119660 119970 120280 120590 120900 121210 121520 121830 122140 122450 122760 123070 123380 123690 124000 124310 124620 124930 125240 125550 125860 126170 126480 126790 127100 127410 127720 128030 128340 128650 128960 129270 129580 129890 130200 130510 130820 131130 131440 131750 132060 132370 132680 132990 133300 133610 133920 134230 134540 134850 135160 135470 135780 136090 136400 136710 137020 137330 137640 137950 138260 138570 138880 139190 139500 139810 140120 140430 140740 141050 141360 141670 141980 142290 142600 142910 143220 143530 143840 144150 144460 144770 145080 145390 145700 146010 146320 146630 146940 147250 147560 147870 148180 148490 148800 149110 149420 149730 150040 150350 150660 150970 151280 151590 151900 152210 152520 152830 153140 153450 153760 154070 154380 154690 155000 155310 155620 155930 156240 156550 156860 157170 157480 157790 158100 158410 158720 159030 159340 159650 159960 160270 160580 160890 161200 161510 161820 162130 162440 162750 163060 163370 163680 163990 164300 164610 164920 165230 165540 165850 166160 166470 166780 167090 167400 167710 168020 168330 168640 168950 169260 169570 169880 170190 170500 170810 171120 171430 171740 172050 172360 172670 172980 173290 173600 173910 174220 174530 174840 175150 175460 175770 176080 176390 176700 177010 177320 177630 177940 178250 178560 178870 179180 179490 179800 180110 180420 180730 181040 181350 181660 181970 182280 182590 182900 183210 183520 183830 184140 184450 184760 185070 185380 185690 186000 186310 186620 186930 187240 187550 187860 188170 188480 188790 189100 189410 189720 190030 190340 190650 190960 191270 191580 191890 192200 192510 192820 193130 193440 193750 194060 194370 194680 194990 195300 195610 195920 196230 196540 196850 197160 197470 197780 198090 198400 198710 199020 199330 199640 199950 200260 200570 200880 201190 201500 201810 202120 202430 202740 203050 203360 203670 203980 204290 204600 204910 205220 205530 205840 206150 206460 206770 207080 207390 207700 208010 208320 208630 208940 209250 209560 209870 210180 210490 210800 211110 211420 211730 212040 212350 212660 212970 213280 213590 213900 214210 214520 214830 215140 215450 215760 216070 216380 216690 217000 217310 217620 217930 218240 218550 218860 219170 219480 219790 220100 220410 220720 221030 221340 221650 221960 222270 222580 222890 223200 223510 223820 224130 224440 224750 225060 225370 225680 225990 226300 226610 226920 227230 227540 227850 228160 228470 228780 229090 229400 229710 230020 230330 230640 230950 231260 231570 231880 232190 232500 232810 233120 233430 233740 234050 234360 234670 234980 235290 235600 235910 236220 236530 236840 237150 237460 237770 238080 238390 238700 239010 239320 239630 239940 240250 240560 240870 241180 241490 241800 242110 242420 242730 243040 243350 243660 243970 244280 244590 244900 245210 245520 245830 246140 246450 246760 247070 247380 247690 248000 248310 248620 248930 249240 249550 249860 250170 250480 250790 251100 251410 251720 252030 252340 252650 252960 253270 253580 253890 254200 254510 254820 255130 255440 255750 256060 256370 256680 256990 257300 257610 257920 258230 258540 258850 259160 259470 259780 260090 260400 260710 261020 261330 261640 261950 262260 262570 262880 263190 263500 263810 264120 264430 264740 265050 265360 265670 265980 266290 266600 266910 267220 267530 267840 268150 268460 268770 269080 269390 269700 270010 270320 270630 270940 271250 271560 271870 272180 272490 272800 273110 273420 273730 274040 274350 274660 274970 275280 275590 275900 276210 276520 276830 277140 277450 277760 278070 278380 278690 279000 279310 279620 279930 280240 280550 280860 281170 281480 281790 282100 282410 282720 283030 283340 283650 283960 284270 284580 284890 285200 285510 285820 286130 286440 286750 287060 287370 287680 287990 288300 288610 288920 289230 289540 289850 290160 290470 290780 291090 291400 291710 292020 292330 292640 292950 293260 293570 293880 294190 294500 294810 295120 295430 295740 296050 296360 296670 296980 297290 297600 297910 298220 298530 298840 299150 299460 299770 300080 300390 300700 301010 301320 301630 301940 302250 302560 302870 303180 303490 303800 304110 304420 304730 305040 305350 305660 305970 306280 306590 306900 307210 307520 307830 308140 308450 308760 309070 309380 309690 309999

# GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

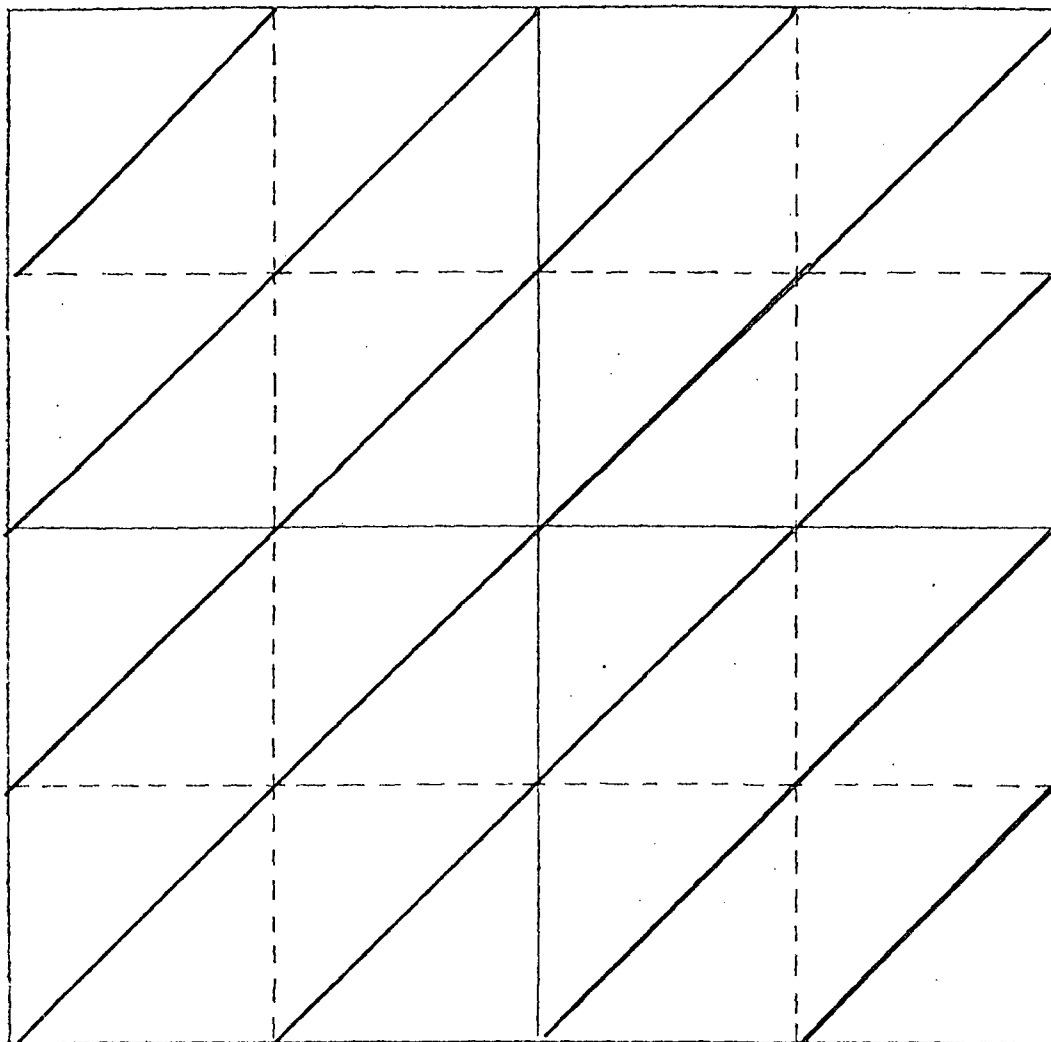
Operator <b>CHEVRON U.S.A. INC.</b>			Lessee <b>M. MAHEN</b>			Date <b>MAR 02 1978</b>		Well No. <b>177</b>	
Unit Letter <b>L</b>	Section <b>26</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>					
Actual Location of Well: <b>1500</b> <b>S</b> <b>900</b> <b>W</b>									
Depth of Well <b>4170'</b>		Producing Formation				Pool		Dedicated Acreage:	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes    ☐ No    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.

Name: *J. E. [Signature]*  
 Position: Attorney-in-Fact  
 Company: Chevron U.S.A. Inc.  
 Date: January 31, 1978

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. \_\_\_\_\_

0 510 640 90 1320 1650 1980 2310 2540 2000 1500 1000 500 0

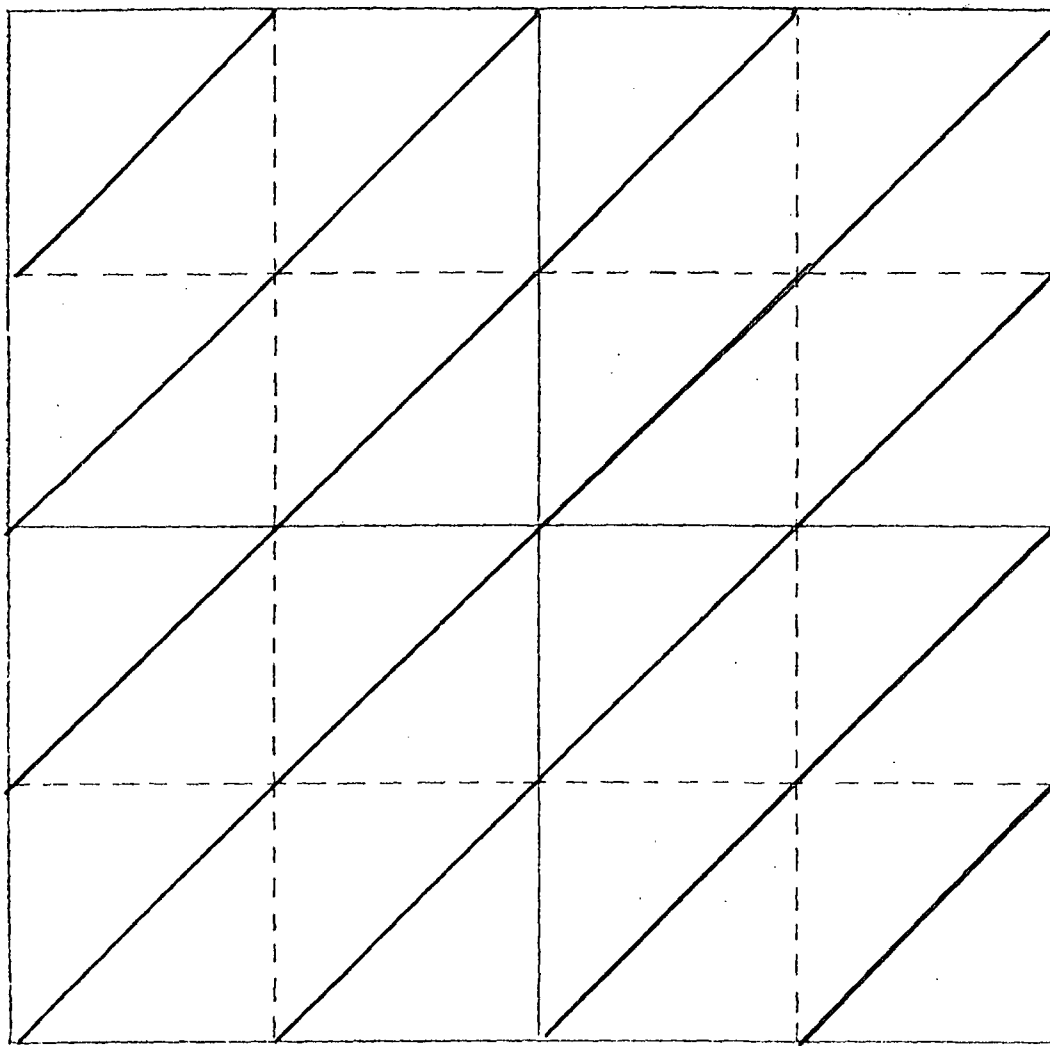
## Form G-102.

MAR 6 2 1978  
177

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?  
☐ Yes    ☐ No    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.



I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Company: Chevron U.S.A., Inc.

Date January 31, 1978

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.

Data Surveyed

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
File	1 ✓
N. M. B. M.	
U. S. G. S.	
Operator	1
Land Office	

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501

JUN 29 1978

SUNDRY NOTICES AND REPORTS  
ON  
GEOTHERMAL RESOURCES WELLS5. Indicate Type of Lease  
State ☐ Fee ☒  
5.a State Lease No.

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 ☐  
Low-Temp Thermal ☐ Injection/Disposal ☐

7. Unit Agreement Name

2. Name of Operator

8. Farm or Lease Name

Chevron U.S.A. Inc.

Kerr

3. Address of Operator

9. Well No.

P.O. Box 3722, San Francisco, CA 94119

477

4. Location of Well

10. Field and Pool, or Wildcat

Unit Letter O 700 Feet From The S Line and 1950 Feet FromThe E Line, Section 35 Township 24S Range 20W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)

4175' (Ground)

12. County

Hidalgo

10. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐ CHANGE PLANS ☐OTHER ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG & ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐OTHER ☐

7. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

Hole was abandoned by filling with drilling mud and cuttings to within 10 feet of the surface. The remaining void was filled with a cement, and the ground surface smoothed. Exact date of abandonment is not available.

8. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. F. Turner TITLE Attorney-In-Fact DATE 5/2/78APPROVED BY Carl Ulvay TITLE SENIOR PETROLEUM GEOLOGIST DATE 5/23/79

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED		
DISTRIBUTION		
File	1	✓
N.H.B.M.	1	
U.S.G.S.	1	
Operator	1	
Land Office		

NEW MEXICO OIL CONSERVATION COMMISSION  
P. O. Box 2088, Santa Fe 87501

APPLICATION FOR PERMIT TO DRILL, DEEPEN,  
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

NOV 14 1977

Form G-101

5A. Indicate Type of Lease  
STATE ☐ FEDERAL ☒

5. State Lease No.

7. Unit Agreement Name

8. Form or Lease Name  
E.L. Kerr

9. Well No.  
477

10. Field and Pool, or Wildcat

a. Type of Work Drill ☒ Deepen ☐ Plug Back ☐  
b. Type of Well Geothermal Producer ☐ Temp. Observation ☒  
Low-Temp Thermal ☐ Injection/Disposal ☐

1. Name of Operator  
CHEVRON U.S.A. INC.

3. Address of Operator  
P.O. Box 3722 San Francisco

4. Location of Well  
UNIT LETTER 0 LOCATED 700 FEET FROM THE S LINE  
AND 1950 FEET FROM THE E LINE OF SEC. 35 TWP. 24S RGE. 20W NMPM

12. County  
Hidalgo

19. Proposed Depth  
500'

19A. Formation

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether D.F., R.T., etc.)  
4175'

21A. Kind & Status Plug. Bond

21B. Drilling Contractor  
to be named later

22. Approx. Date Work will start  
12-1-77

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP

Plan of operation attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRO-  
DUCE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed J. F. Turner Title Attorney-In-Fact Date 10-3-77

(This space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM GEOLOGIST DATE 1-13-78

CHEVRON RESOURCES COMPANY

PLAN OF OPERATION

SHALLOW TEMPERATURE GRADIENT HOLES

EXHIBIT "A"

1. Description of the Operation

The Shallow Temperature Observation Hole Program, as conducted by the Chevron Resources Company, requires the drilling of 250-500 foot holes with a diameter of 4-3/4 to 5-3/8 inches. The number of holes will vary with the size of the area to be evaluated. These holes will be drilled by a state licensed drilling contractor using a truck mounted drill rig. The mud-out temperature will be monitored continually during the actual drilling.

Once each hole is completed a 1 inch (I.D.) black steel pipe, sealed at the bottom, will be placed in the hole with the top being 8-12 inches from the ground surface. The pipe is then filled with water and capped. The hole is then back-filled with cuttings and/or drilling mud to within 10 feet of the surface. The remaining void is then filled with cement.

As necessary, the pipe is unearthed and a temperature probe is lowered to total depth. Once the series of temperature logs is completed, the pipe is then filled with cement and buried. The ground surface is then smoothed and returned to as nearly as practical to pre-drilling condition.

The drilling operations will be suspended if the mud-out temperature reaches 125°F and cannot be lowered or stabilized with the addition of well-head or cooling devices. The hole will then be completed as a temperature gradient hole or abandoned.

The drilling operations will also be suspended if flowing hot water or steam at 150°F or more is encountered. The hole will then be completed as a temperature gradient hole by placing 1 inch (I.D.), black, steel pipe to total depth and cementing from total depth to surface. If the hole is to be abandoned it will be plugged with cement from total depth to surface.

If cold artesian flow is encountered the hole will be completed or abandoned as described in the paragraph above.

The equipment for drilling, as well as the drill rig, consists of a water truck and a light pickup truck. The temperature probe consists of a thermometer or thermister device on the end of a wire line and a small tripod-mounted wheel for lowering the probe down the hole.

2. The following plan of operations as required by Section 270.34 of the Federal Regulations for Geothermal Operations on public acquired and



withdrawn lands, covering paragraphs (a) through (h), is submitted pursuant to Section 270.78:

- (a) The hole locations, lease numbers (Exhibit "B") and outline of a typical drill site layout (Exhibit "C") are attached.
- (b) No new roads will be constructed for this operation. Access to area of operations will be along existing roads.
- (c) No water sources on federally administered lands will be developed and no road building material will be used.
- (d) Campsites, airstrips or other supporting facilities will not be required.
- (e) Minimal access scars, limited mainly to tire impressions, may occur during the course of drilling the hole. All such disturbances will be restored as nearly as possible to pre-drilling condition. All materials will be removed from the area once the hole is completed.
- (f) Topographic features of the drill site areas and drainage can be observed from the attached map (Exhibit "B").
- (g) If drilling mud or foam are used they will be contained by portable steel containers. When the hole is completed, the mud residue will be dried and spread on the ground surface.
- (h) The Chevron Resources Company will use all reasonable precautions to prevent waste of geothermal resources and other natural resources found in the area. At all times during operations the following precautions will be taken:

Traffic will be light and only when necessary. Light pickups will be used whenever possible. To the extent possible, only existing roads, fence lines or jeep trails will be used.

Site preparation will be limited to driving the truck-mounted drill rig to the site and setting it up for drilling.

Since the topography is not severe, the construction of drill pads will not be required.

All vehicles will be equipped with spark arresters and will carry the required fire-fighting equipment and all adequate fire protection measures will be taken to prevent any damage from fire.

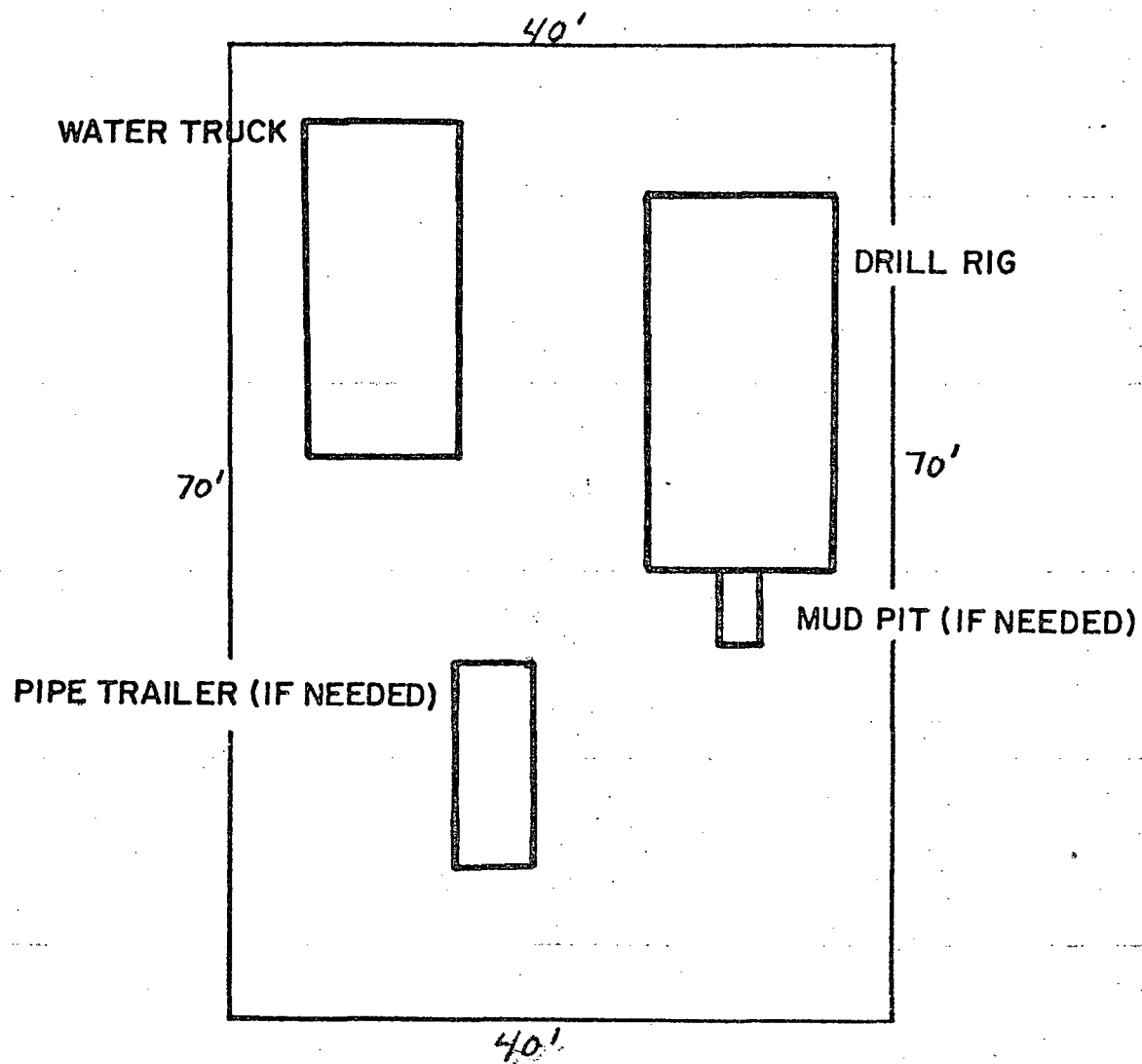
No water or other material will be pumped onto the surface of the ground which might result in soil erosion. Appropriate care will be taken so that natural drainage will not be affected and so that no pollution can occur to surface or ground water.

Geothermal operations will have no material impact on fish and the

disturbance of wildlife and vegetation in the area will be minor due to the short duration of operations and the limited number of personnel comprising the field crews. No significant damage or destruction of vegetation will occur and unavoidable dislocation of wildlife will be short term only.

Mufflers and other available devices will be used on all vehicles to control noise pollution. Minor air pollution will occur from vehicle exhaust, but all feasible measures will be used to control this pollution, in compliance with applicable laws, rules and regulations. Minor air pollution will occur from dust caused by vehicle traffic on dirt roads. Since this pollution is dependent upon natural road conditions and is temporary it therefore has no significant affect on the areas environment.

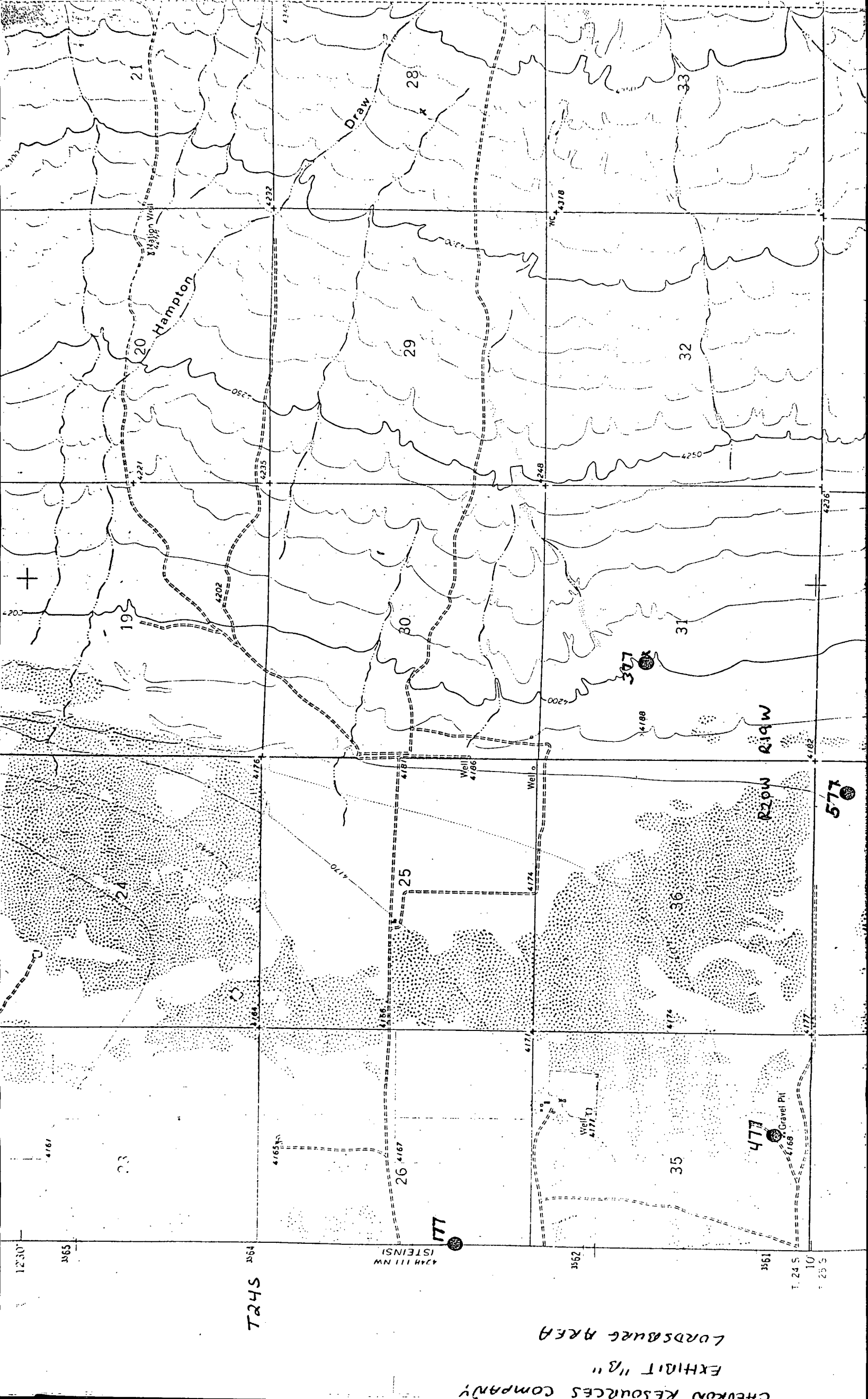
There will be very little hazard to public health and safety due to the lack of population in the area. All such hazard is confined to the crew or the rig. All appropriate safety measures and equipment will be utilized.



SCHEMATIC OF SHALLOW TEMPERATURE HOLE DRILL SITE

EXHIBIT "C."

CHEVRON RESOURCES COMPANY  
EXHIBIT "A"  
LANDSAC AREA



GEOHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator <b>CHEVRON U.S.A. INC.</b>		Lease <b>E. L. KERR</b>		<div> <div> MAR 02 1978 </div> <div>477</div> </div>	
Unit Letter <b>0</b>	Section <b>35</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HILDAD RESERVATION COMM.</b>	
Actual Footprint Location of Well: <b>700</b> feet from the <b>S</b> line and <b>1950</b> feet from the <b>E</b> line				<b>Santa Fe</b>	
Ground Level Elev. <b>4175'</b>	Producing Formation		Pool		Dedicated Acreage:  Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes ☐ No 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.

Name

Position

Attorney-in-Fact

Company

Chevron U.S.A. Inc.

Date

January 31, 1978

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.

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

MAR 02 1978

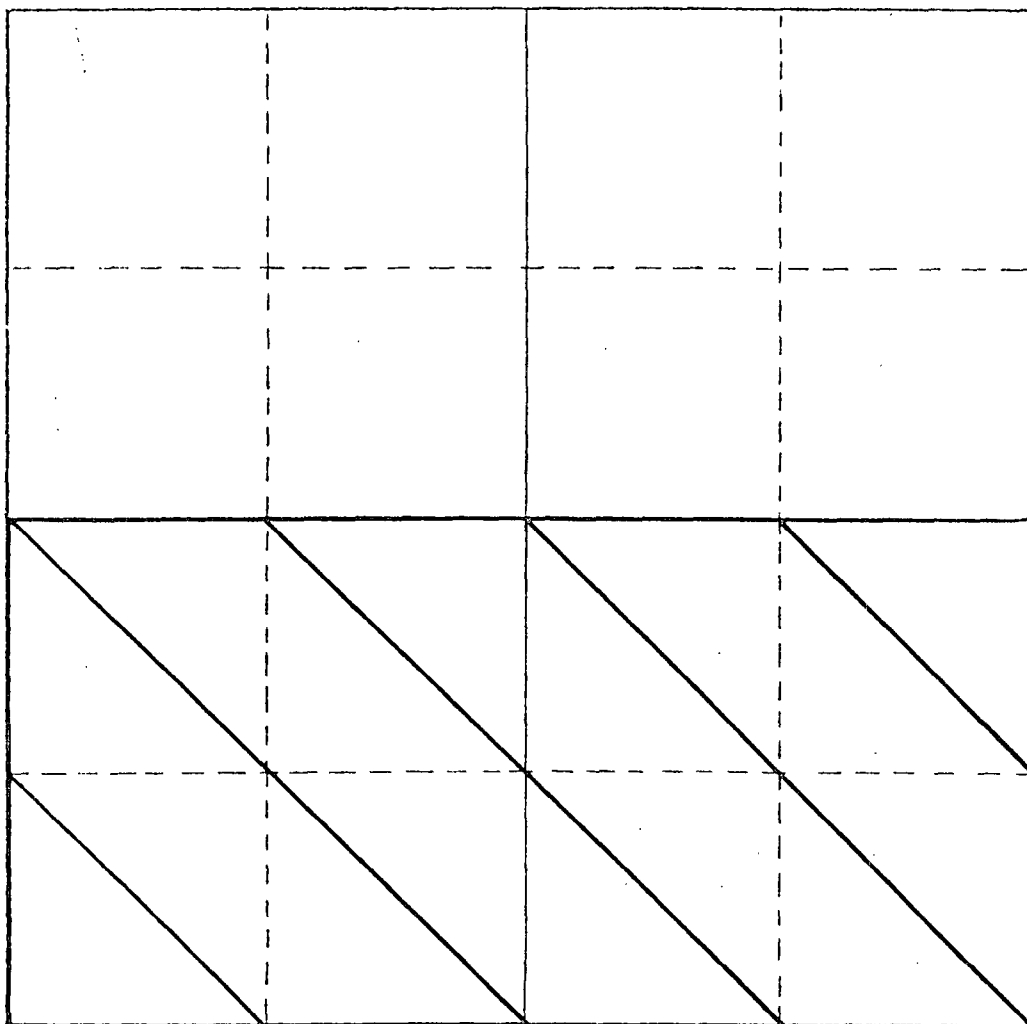
Operator <b>CHEVRON U.S.A. INC.</b>			Lease <b>E. L. KERR</b>			Well No. <b>477</b>		
Unit Letter <b>0</b>	Section <b>35</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>				
Actual Well Location of Well: <b>700</b> feet from the <b>S</b> line and <b>1950</b> feet from the <b>E</b> line								
Ground Level Elev. <b>4175'</b>	Producing Formation			Pool			Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

☐ Yes ☐ No 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.

Name

Position

Attorney-in-Fact

Company:

Chevron U.S.A. Inc.

Date

January 31, 1978

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.

0 370 680 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

JAN 02 1978

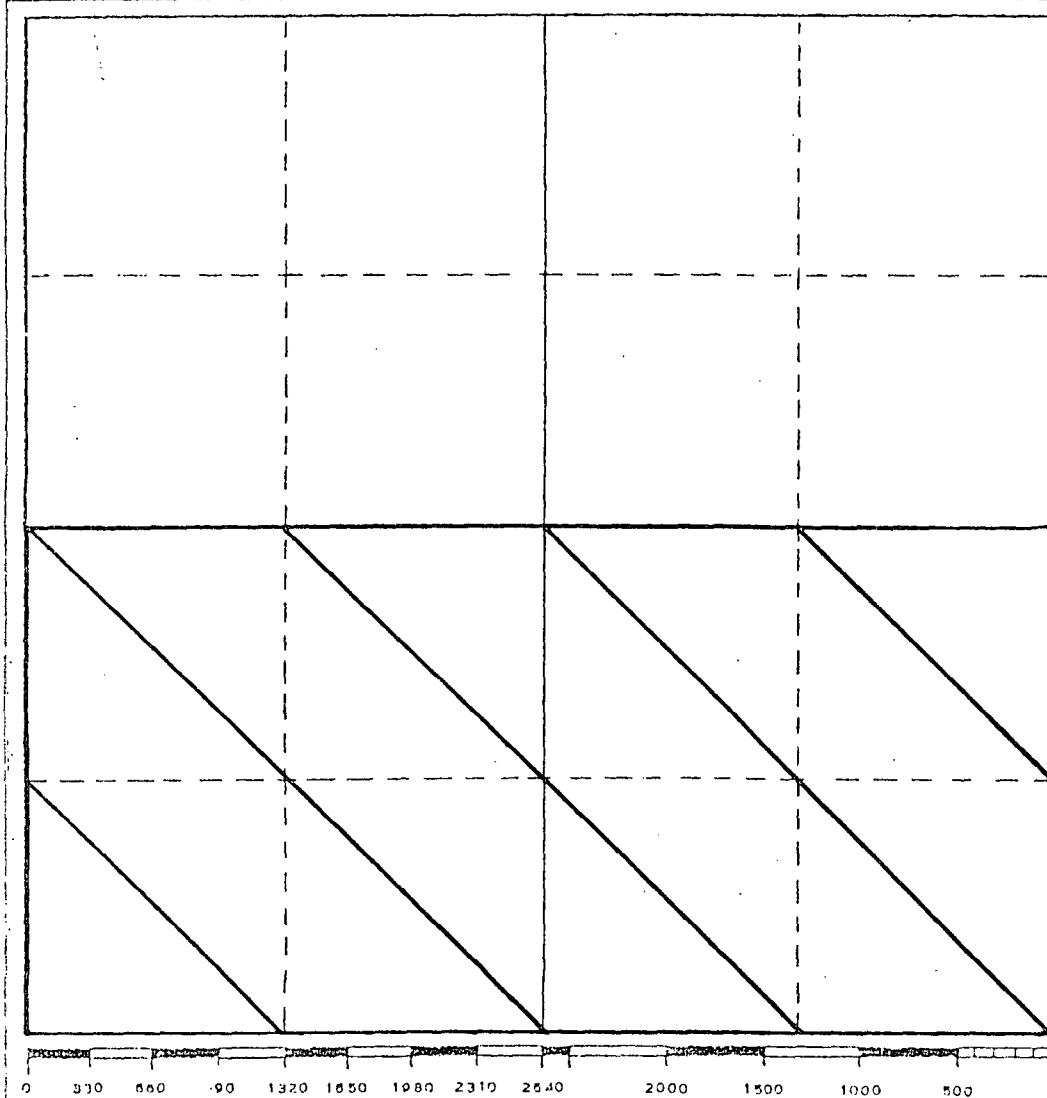
Operator <b>CHEVRON U.S.A. INC.</b>		Lease <b>E. L. KERR</b>		Well No. <b>477</b>	
Unit Letter <b>0</b>	Section <b>35</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>	
Actual Feature Location of Well: <b>700</b> feet from the <b>S</b> line and <b>1950</b> feet from the <b>E</b> line					
Ground Level Elev. <b>4175'</b>	Producing Formation		Pool		Dedicated Acreage:  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?

☐ Yes ☐ No 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.

Name

Position

Attorney-in-Fact

Company

Chevron U.S.A. Inc.

Date

January 31, 1978

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.

## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

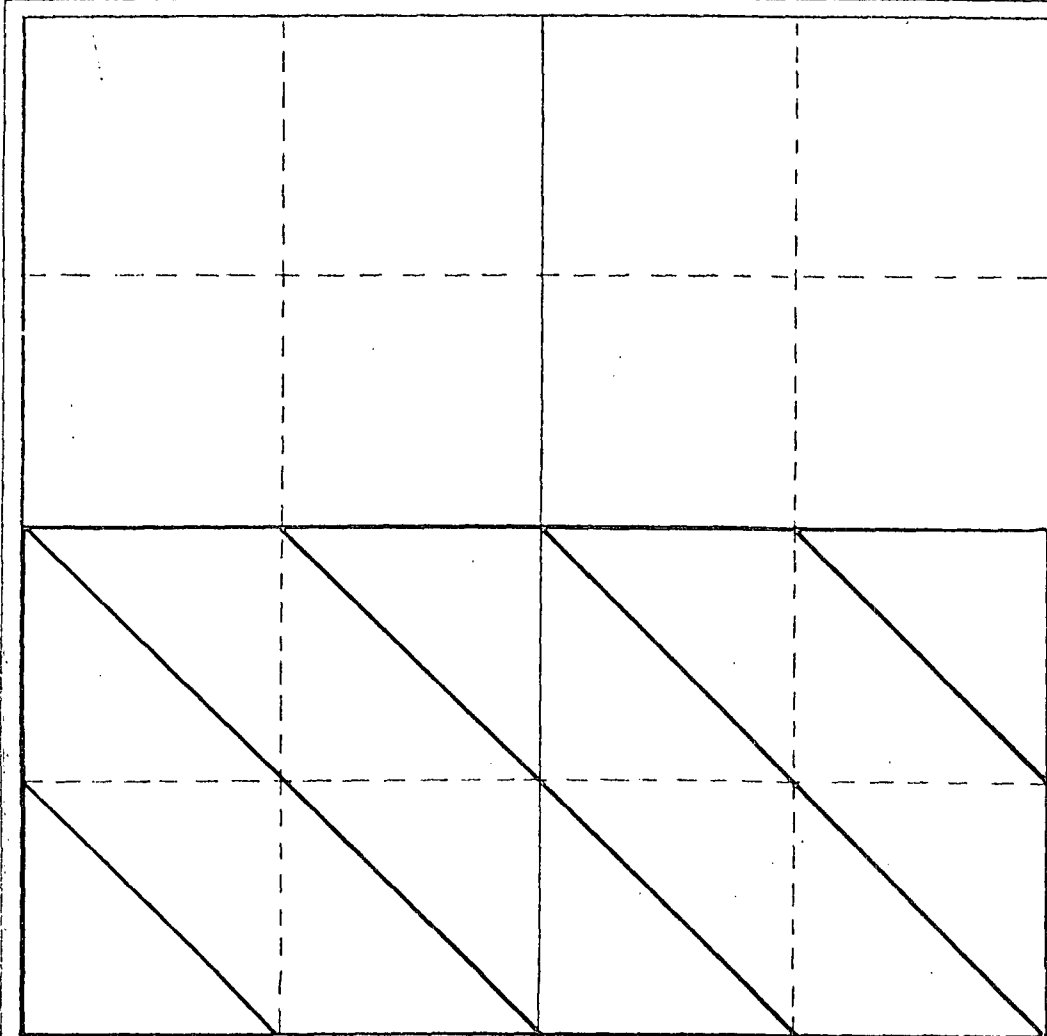
Operator <b>CHEVRON U.S.A. INC.</b>		Lessee <b>E. L. KERR</b>		MAR 02 1978 Well No. <b>-477</b>	
Unit Letter <b>0</b>	Section <b>35</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO CONSERVATION COMM.</b>	
Actual Footage Location of Well: <b>700</b> feet from the <b>S</b> line and <b>1950</b> feet from the <b>E</b> line					
Ground Level Elev. <b>4175'</b>	Producing Formation		Pool	Dedicated Acreage:  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?

☐ Yes ☐ No 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.

Name  
*J. R. Turner*

Position  
**Attorney-in-Fact**

Company  
**Chevron U.S.A. Inc.**

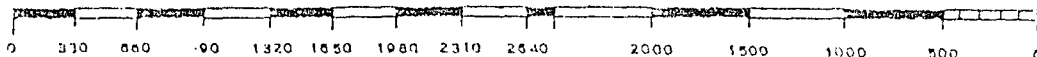
Date  
**January 31, 1978**

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.





## GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

MAR 02 1978

All distances must be from the outer boundaries of the Section.

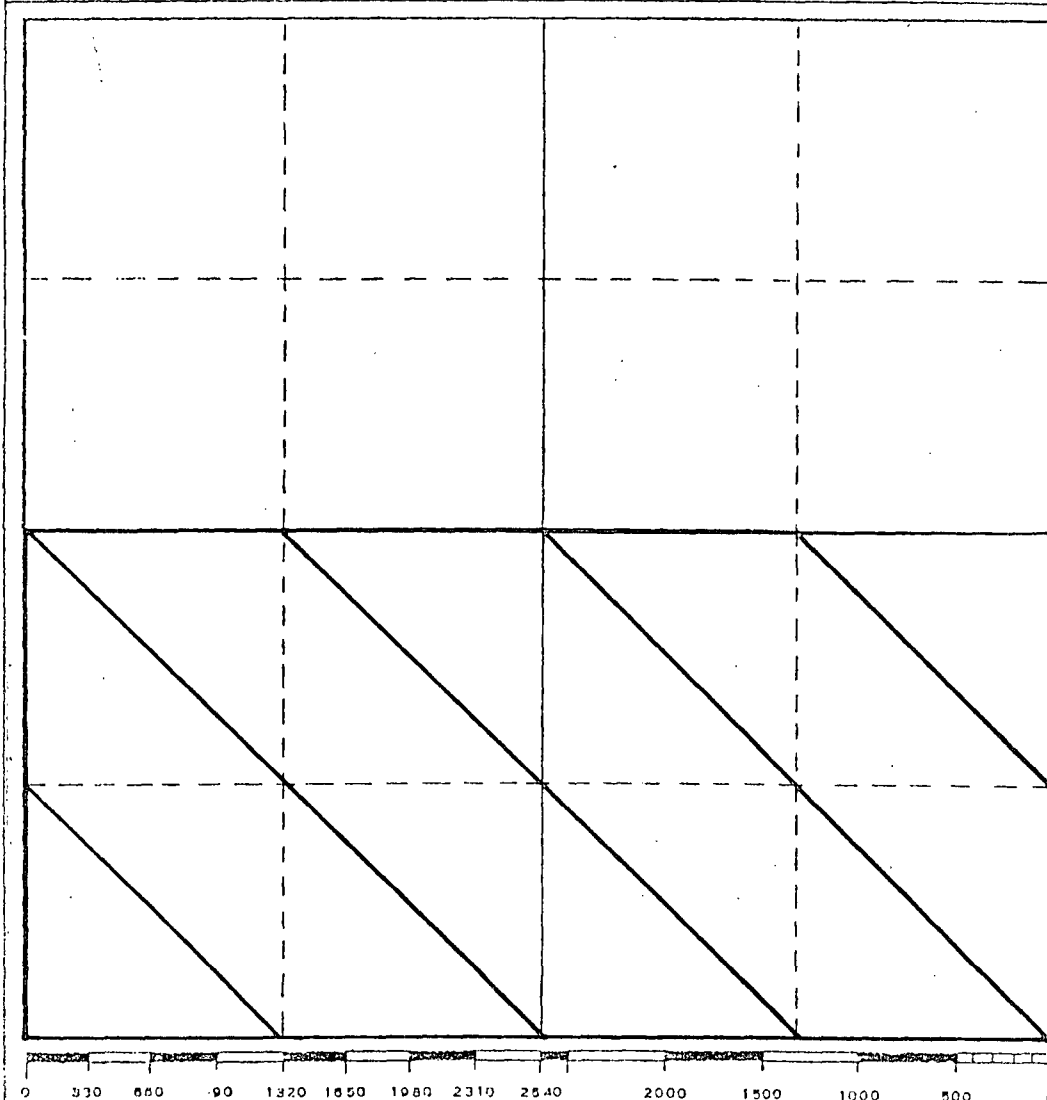
Operator <b>CHEVRON U.S.A. INC.</b>			Lease <b>E. L. KERR</b>			Well No. <b>477</b>			
Unit Letter <b>0</b>	Section <b>35</b>	Township <b>T24S</b>	Range <b>R20W</b>	County <b>HIDALGO</b>			State <b>Santa Fe</b>		
Vertical Footing Location of Well: <b>700</b> feet from the <b>S</b> line and <b>1950</b> feet from the <b>E</b> line									
Ground Level Elev. <b>4175'</b>		Producing Formation			Pool		Dedicated Acreage:  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?

☐ Yes ☐ No 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.

Name J. H. Turner  
Position  
**Attorney-in-Fact**  
Company:  
**Chevron U.S.A. Inc.**  
Date  
**January 31, 1978**

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.