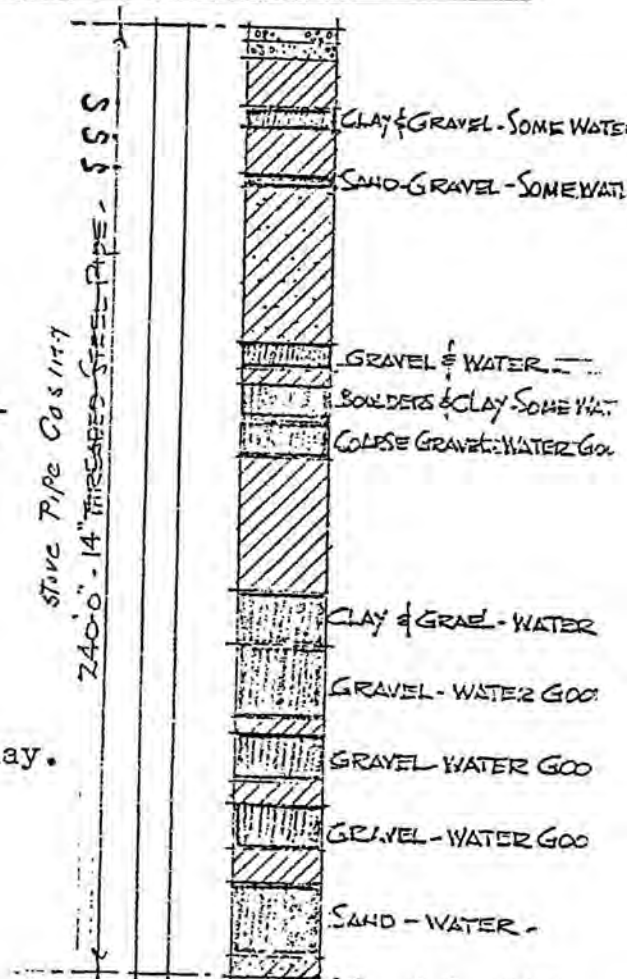


UTAH EMERGENCY DROUTH RELIEF WELLS AND SUMPS

Project No. 77 . Flowing Pump Well X. Sump
 Sponsor Lehi Irrigation Company Agent V. H. Peterson, Lehi
 County Utah . P.O. Address Lehi
 General Location 5th West & 4th North within City limits.
494.86' E 503.55' W N 49
 Location N 1/4 Sec. 8 Section 8 Township 5 S. Range 1E. IC D5-1) 2 DEC-
 Elevation _____ Total Depth 240' Size 14" dia. G.P.M. 1100
 Static Head _____ Depth to Water Surface _____ Draw Down _____
 Driller V. H. Peterson

LOG

0-3	Gravel
3-7	Sand & gravel
7-20	Light Clay
20-25	Clay & gravel, <u>some water</u>
25-37	Brown Clay
37-40	Sand, gravel, <u>some water</u>
40-79	Blue sandy clay
79-86	Gravel - <u>water</u>
86-90	Clay
90-99	Boulders & clay, <u>some water</u>
99-108	Coarse gravel - <u>water good</u>
108-142	Yellow clay
142-155	Clay & gravel - <u>water</u>
155-174	Gravel - <u>water good</u>
174-178	Yellow clay
178-190	Gravel, <u>water good</u>
190-195	Yellow clay
195-207	Gravel - <u>good water</u>
207-215	Clay
215-234	Sand - <u>water</u>
234-240	Sandy clay - touched blue clay.



Remarks: Completed July 9, 1934.
 In 16 days.

Casing and Pump Data: 240' deep. 240' of 14" cased. U.S. Elec. 40 H.P. Motor, Type C.T.U., #100751 & 3 Stage Peerless Pump #J-305.

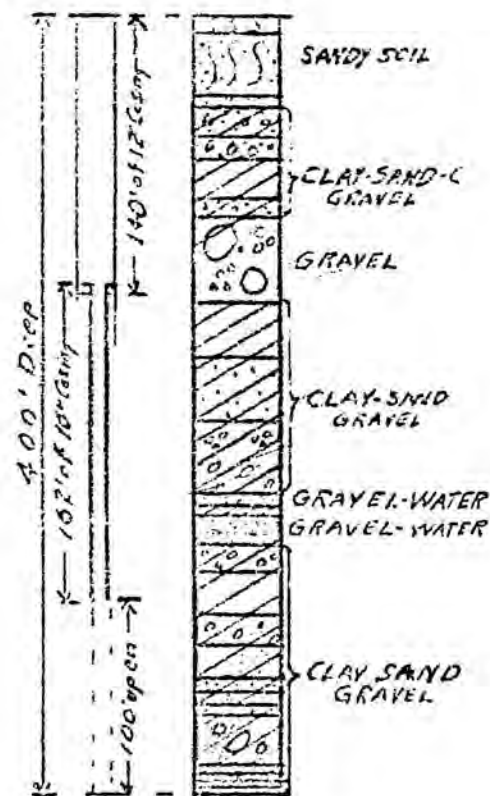
Note: - Well effected others in area - Study made in file also notes on other wells.

UTAH EMERGENCY DROUTH RELIEF WELLS AND SUMPS

Project No. 175 A 1550 . Flowing Pump Well X, Sump
 Sponsor Mitchell Hollow Pumping Agent E. Peck, Lehi
 County Utah Proj. P.O. Address Lehi
 General Location Between Lehi & American Fork
 Location W 1/4 Section 10 Township 5 S. Range 1 E. S. 1. N. E 05-1 10CAB1
 Elevation _____ Total Depth 400' Size 12" A 106 P.M. 1125
 Static Head _____ Depth to Water Surface _____ Draw Down _____
 Driller E. O. Harris

LOG

0-8	Soil	384-396	Clay & Sand
8-41	Sandy Soil	396-400	Clay
41-43	Fine Sand		
43-63	Sandy Clay		
63-74	Fine Gravel & Sand		
74-84	Clay		
84-102	Clay & Sand		
102-149	Gravel & Boulders		
149-166	Yellow Clay		
166-209	Clay & Sand		
209-245	Gravel & Clay		
245-251	Gravel & <u>Water</u>		
251-254	Clay		
254-272	Gravel - <u>Water</u>		
272-284	Gravel - <u>Clay</u>		
284-307	Clay		
307-322	Clay & Gravel		
322-340	Clay		
340-344	Sand & Clay		
344-352	Clay		
352-356	Sand & Clay		
356-373	Boulders, Clay		
373-380	Yellow Clay		
380-382	Boulders & Clay		
382-384	Clay		



Remarks: Complete November 2, 1934.

In 23 Days.
 Casing and Pump Data: Cased 140' of 12" & 162' of 10" Casing.
 Layne & Boulders.

Examined _____
 Recorded: B. C. _____ T. B. _____
 Inspection Sheet _____
 Copied _____

REPORT OF WELL DRILLER

STATE OF UTAH

Application No. 26671 (55-739)
 Claim No. _____
 Coordinate No. _____

GENERAL STATEMENT: Report of well driller is hereby made and filed with the State Engineer, in accordance with the laws of Utah. (This report shall be filed with the State Engineer within 30 days after the completion or abandonment of the well. Failure to file such reports constitutes a misdemeanor.)

(1) WELL OWNER:

Name Leki City
 Address Leki, Utah 84043

(2) LOCATION OF WELL:

County Utah Ground Water Basin _____
 (leave blank)

North 595 feet, East 120 feet from W 1/4 Corner

of Section 10, T 5 S, R 1 E SLBM (strike out words not needed)

(3) NATURE OF WORK (check):

New Well ☒ Replacement Well ☐ Deepening ☐ Repair ☐ Abandon ☐
 If abandonment, describe material and procedure: _____

(4) NATURE OF USE (check):

Domestic ☒ Industrial ☐ Municipal ☐ Stockwater ☐
 Irrigation ☐ Mining ☐ Other ☐ Test Well ☐

(5) TYPE OF CONSTRUCTION (check):

Rotary ☐ Dug ☐ Jetted ☐
 Cable ☒ Driven ☐ Bored ☐

(6) CASING SCHEDULE:

Threaded ☐ Welded ☒
2.0 " Diam. from 0 feet to 120 feet Gage 375
1.6 " Diam. from 0 feet to 545 feet Gage 375
 " Diam. from _____ feet to _____ feet Gage _____
 New ☒ Rejected ☐ Used ☐

(7) PERFORATIONS:

Perforated? Yes ☒ No ☐
 Type of perforator used Mills Knife
 Size of perforations 1/2 inches by 2 1/2 inches
 " 64 perforations from 422 feet to 430 feet
 " 100 perforations from 460 feet to 470 feet
 " 330 perforations from 476 feet to 514 feet
 " 84 perforations from 532 feet to 540 feet
 " _____ perforations from _____ feet to _____ feet

(8) SCREENS:

Well screen installed? Yes ☒ No ☐
 Manufacturer's Name _____
 Type _____ Model No. _____
 Diam. _____ Slot size _____ Set from _____ ft. to _____
 Diam. _____ Slot size _____ Set from _____ ft. to _____

(9) CONSTRUCTION:

Was well gravel packed? Yes ☐ No ☒ Size of gravel: _____
 Gravel placed from _____ feet to _____ feet
 Was a surface seal provided? Yes ☒ No ☐
 To what depth? 120 feet
 Material used in seal: Bentallite & Cement
 Did any strata contain unusable water? Yes ☐ No ☒
 Type of water _____ Depth of strata _____
 Method of sealing strata off: _____

Was surface casing used? Yes ☒ No ☐
 Was it cemented in place? Yes ☒ No ☐

(10) WATER LEVELS:

Static level 180 feet below land surface Date April 28
 Artesian pressure _____ feet above land surface Date _____

LOG RECEIVED:

(11) FLOWING WELL:

Controlled by (check) Valve ☐
 Cap ☐ Plug ☐ No Control ☐
 Does well leak around casing? Yes ☐ No ☐

(12) WELL TESTS:

Drawdown is the distance in feet the water level is lowered below static level.

Was a pump test made? Yes ☐ No ☒ If so, by whom? _____
 Yield: 2500 gal./min. with 170 feet drawdown after 2 hours
 " 3100 " " 130 " 4 "
 " 1500 " " 145 " 5 "
 " 1550 " " 135 " 8 "
 Break 1150 gal./min. with 130 feet drawdown after 10 hours
 Artesian flow _____ g.p.m. Date _____
 Temperature of water _____ Was a chemical analysis made? No ☐ Yes ☒

(13) WELL LOG:

Diameter of well 16 inches

Depth drilled 545 feet. Depth of completed well 545 feet.

NOTE: Place an "X" in the space or combination of spaces needed to designate the material or combination of materials encountered in each depth interval. Under REMARKS make any desirable notes as to occurrence of water and the color, size, nature, etc., of material encountered in each depth interval. Use additional sheet if needed.

DEPTH		MATERIAL										REMARKS
From	To	Clay	Silt	Sand	Gravel	Cobbles	Boulders	Hardpan	Conglomerate	Bedrock	Other	
0	2											Top Soil
2	5	X										Tan
5	8			X								
8	75	X		X								Sandy Clay, water
75	84	X										Blue
84	89			X								Blue
89	93	X										Blue
93	112			X								Tan
112	116				X							Water
116	120			X								
120	138	X			X							
138	143			X	X							
143	164			X								Tan
164	169	X										Tan
169	184			X								
184	190	X										
190	206	X		X								
206	220			X	X							Water
220	227	X		X								
227	260	X		X								Water
260	274	X										Tan
274	283			X								Dirty
283	284	X										
284	302			X	X							
302	330	X		X								
330	367	X										
367	395	X										
395	418	X		X	X							
418	426	X										
426	434			X								Water
434	440	X										

Work started Jan 12, 1978 Completed April 3, 1978

(14) PUMP:

Manufacturer's Name Johanson Pump Co.
 Type: Turbine H. P. 265
 Depth to pump or bowles 200 feet

Well Driller's Statement:

This well was drilled under my supervision, and this report is true to the best of my knowledge and belief.

Name Cornier Drilling Co. (Type or print)

Address 216 So. 1st West, Leki, Utah 84043 (Type or print)

(Signed) Paul B. Cornier (Well Driller)

License No. 5 Date April 3, 1978

