

STATE ENGINEER
Salem, Oregon

UMAT
3908

OBSERVATION WELL
UMAT 3908
Well Record

STATE WELL NO. 5N/35-1E(1)
COUNTY UMATILLA
APPLICATION NO. U-165

OWNER: KEY EQUIPMENT CO. (UTAH CAN.) MAILING ADDRESS: MILTON FREEWATER

LOCATION OF WELL: Owner's No. #1 CITY AND STATE: _____

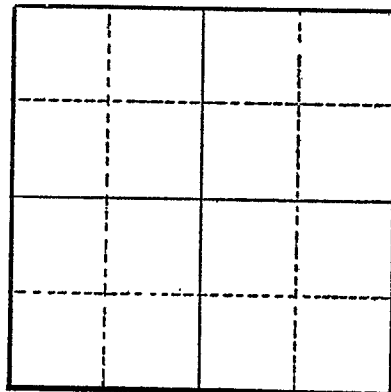
SW 1/4 NW 1/4 Sec. 1 T. 5 N. S. R. 35 E. W. M.

Bearing and distance from section or subdivision corner _____

Altitude at well _____

TYPE OF WELL: DRILLED Date Constructed 2-16-45

Depth drilled 528' Depth cased 109' 3"



Section 1

CASING RECORD:

16 INCH

FINISH:

AQUIFERS:

BASALT

WATER LEVEL:

49' (2-16-45)

PUMPING EQUIPMENT: Type _____ H.P. _____
Capacity _____ G.P.M.

WELL TESTS: SEE PUMP TEST INFO

Drawdown _____ ft. after _____ hours _____ G.P.M.

Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER MUNICIPAL Temp. _____ °F. _____, 19 _____

SOURCE OF INFORMATION U-158

DRILLER or DIGGER A. A. DURAND & SON

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test _____

REMARKS:

Water Level Record

OWNER: KEY EQUIPMENT CO. (UTAH CANNING CO.) OWNER'S NO. _____

Description of measuring point: OWNERS AIRLINE & GAGE (197' LINE)

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	Remarks
11-9-61	105'	RD & WSB.			
11-4-63	121				
11-18	120				
12-2	120				
12-21	112				
1-6-64	112				
1-20	114				
2-3	113				
2-17	112				
3-3	107				
3-17	107				
4-7	105				
4-27	105				
5-4	103				
6-1	103				
9-29	132				
10-12	132				
11-16	130				

REMARKS: _____

UMAT
3908

UMAT 3908
MAR 5 1945
STATE ENGINEER
SALEM, OREGON

31/35-1511

Application No. U-165
Permit No. U-158
Well No. 1

REPORT ON COMPLETION OF WELL

(Note: This report should be submitted to the State Engineer, Salem, Oregon, as soon as possible after the well is completed. If more than one well is covered by this permit, a separate report shall be filed for each)

Utah Canning Co.

Date of Report Feb. 28, 1945

1. Location of well: SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 1 Twp. 5N Rge. 35 E, W. M.
2. Name of nearest natural surface stream Walla Walla River
3. Distance from well to that stream: 1800 feet.
4. If the well is less than 1300 feet from a natural surface stream, give the difference in elevation between the ground surface at the well and the lowest point in stream channel: ----- feet.
5. Date of beginning drilling or digging Nov. 21, 1944
6. Date well was completed Feb. 16, 1945

7. LOG OF MATERIALS ENCOUNTERED

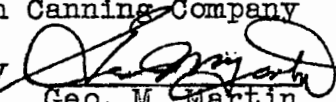
Character of Material	Depth at which encountered	Thickness of stratum
	At surface	ft.
	ft.	ft.
	ft.	ft.
See attached Chronology of Well.	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.

Remarks: _____

WELL INFORMATION

8. Diameter of well 16 inches. Depth of well 528 feet.
9. Depth at which water was first encountered 22 feet.
10. Water level when completed: 49 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.:

Note: You will find attached Test Pumping Record of this well.

The Utah Canning Company
By 
Geo. M. Martin

Utah Canning Company, Creswater, Oregon.
Drilled during period November 21, 1944 to
February 16, 1945

Plant Well No. 1
Located in SW 1/4 of NW 1/4
of Sec. 1, T20N, R36E

SKETCH No. 707 To
Scale

WELL CHRONOLOGY

E.S. →	Depth		Formation	S.W.L.	Comments
	From	To			
	Ground Surface		Gravel & boulders		
	20'	30'	Gravel	22'	
	30'	55'	Clay & Gravel		
	55'	64'	Pure Gravel		
	64'	92'	Yellow Clay & Gravel		
	92'	107'	Solid Black Basalt		End of 20" drilling.
	107'	114'	Black Basalt & Blue shale		16" O.D. casing set at 109' 5"
	114'	118'	Black Basalt		
	118'	125'	Gray & Brown Basalt and Blue Shale		
	125'	145'	Gray Basalt & Blue Shale		
	145'	156'	Gray, Red & Brown Basalt and Blue Shale	22'	
	156'	168'	Gray & Brown Basalt with Blue Clay	24'	
	168'	186'	Black Basalt		
	186'	193'	Black & Red Basalt with little Yellow Clay		
	193'	198'	Black Basalt		
	198'	205'	Black Basalt & Blue Shale		
	205'	213'	Black & Red Basalt with Yellow Clay		
	213'	221'	Hard Black Basalt		
	221'	228'	Black Basalt with little Yellow Clay		
	228'	233'	Hard Black Basalt	15'	
	233'	265'	Gray Basalt	16' 6"	
	265'	292'	Hard Blue Basalt		
	292'	401'	Hard Gray Basalt		
	401'	437'	Hard Black Basalt		
	437'	468'	Hard Gray Basalt		
	468'	528'	Soft & Hard Black Basalt		

16" casing
Cement Seal
@ 109'-3"

11" open hole
From 109'-3" to 528'-9"

Well
Bottom 528'

Pump Test #1 conducted Feb. 16 and 17,
1945, 24 hours continuous. S.W.L. 49'

Mean Pumping Points as follows:

Dynamic W.L.	G.P.M.
70'	1029
73 1/2'	1040
79 1/2'	1265
81'	1550

Cement seal (1504#)
set at the bottom of
16" by bridging below
16" pipe, filling ear
with cement and driv-
ing wood plug down an
forcing cement around
behind 16" casing.
Was done when well wa
drilled to 496' level
then cement & cement
bridge drilled out at
which time S.W.L.
changed from 18' 6"
to 41' 5"

UMAT 3908

STATE ENGINEER
Salem, Oregon

State Well No. 5/351E1

County Umatilla

Application No. _____

Chemical Analysis

OWNER Utah Canning Co. OWNER'S NO. _____

ANALYST Ore. State Board of Health Address _____

Date of Collection 1945

Point of Collection _____

	P.P.M.	E.P.M.
Silica (SiO ₂)		
Iron (Fe) Total		
Manganese (Mn)		
Calcium (Ca)	16.	
Magnesium (Mg)	8.5	
Sodium (Na)	14.	
Potassium (K)		
Bicarbonate (HCO ₃)	90.	
Carbonate (CO ₃)		
Sulfate (SO ₄)		
Chloride (Cl)		
Fluoride (F)		
Nitrate (NO ₃)		
Boron (B)		
Dissolved Solids		
Hardness as CaCO ₃	74.	
Specific Conductance (Micromhos at 25°C)		
pH		
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)		
CLASS		

The Utah Canning Company

GENERAL OFFICE
OGDEN, UTAH

Freewater, Oregon

May 24, 1950

RECEIVED

MAY 26 1950

STATE ENGINEER
SALEM, OREGON

PLANTS AT
OGDEN, UTAH
FREEWATER, OREGON

Mr. Chas. E. Stricklin, State Engineer
State of Oregon,
Salem, Oregon

Dear Sir:

Re: File No. 165

We are holder of Water Right Certificate No. 1551 under Permit No. U-158.

Due to the drop in water tables in this area last year we have been checking the water level in our well for depth below ground level weekly since Feb. 13, 1950 and find the following;

Feb. 13 -70'	Mar. 20 -65'	Apr. 17 -59'	May 15 -63
Feb. 27 -70'	Mar. 27 -62	Apr. 24 -59'	May 22 -65
Mar. 6 -68	Apr. 3 -62	May 1 -57'	
Mar. 13 -65	Apr. 10 -60	May 8 -57'	

You will note that we had a build up for awhile and now the table is lowering.


When we started using our well in the 1949 season about June 10th the level was 59' below ground level and after pumping for 8 hours we had dropped somewhere below 100', how far below that we do not know as our gauge is only set for 100'.

It is very evident that there are too many wells on the same basin that we are on.

What we would like to know is, does a well that was proven at a certain time have priority over wells that were proven at later dates.

Very truly yours,

Utah Canning Company


Geo. M. Martin
Manager

Water level from ground surface. Utah Canning Company, Freewater,
Oregon well - Permit No. U-165158

<u>Date</u>	<u>Feet</u>	
Feb. 13, 1950	70	- Not Pumping
Feb. 27, 1950	70	- Not Pumping
March 6, 1950	68	- Not Pumping
March 13, 1950	65	- Not Pumping
March 20, 1950	65	- Not Pumping
March 27, 1950	62	- Not Pumping
April 3, 1950	62	- Not Pumping
April 10, 1950	60	- Not Pumping
April 17, 1950	59	- Not Pumping
April 24, 1950	59	- Not Pumping
May 1, 1950	57	- Not Pumping
May 8, 1950	57	- Not Pumping
May 15, 1950	63	- Not Pumping
May 16, 1950	63	- Not Pumping
May 17, 1950	63	- Not Pumping
May 22, 1950	65	- Not Pumping
May 31, 1950	70	- Not Pumping
June 5, 1950	70	- Not Pumping
June 12, 1950	74	- Not Pumping
June 13, 1950	73	- Not Pumping
June 14, 1950	75	- Not Pumping
June 15, 1950	73	- Not Pumping
June 16, 1950	73	- Not Pumping
June 19, 1950	73	- Not Pumping
June 20, 1950	74	- Started Pumping
June 21, 1950	95	- Pumping
June 22, 1950	93	- Pumping
June 23, 1950	93	- Pumping
June 24, 1950	94	- Pumping
June 25, 1950	98	- Pumping
June 26, 1950	100	- Pumping
June 27, 1950	100	- Pumping
June 28, 1950	98	- Pumping
June 29, 1950	99	- Pumping
June 30, 1950	103	- Pumping
July 1, 1950	100	- Pumping
July 2, 1950	103	- Pumping
July 3, 1950	105	- Pumping
July 4, 1950	107	- Pumping
July 5, 1950	109	- Pumping
July 6, 1950	106	- Pumping
July 7, 1950	110	- Pumping
July 8, 1950	103	- Pumping
July 9, 1950	105	- Pumping
July 10, 1950	105	- Pumping
July 11, 1950	102	- Pumping
July 12, 1950	103	- Pumping
July 13, 1950	110	- Pumping
July 14, 1950	110	- Pumping

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JAN 9 1951
STATE ENGINEER
SALEM, OREGON

Water level from ground surface. Utah Canning Company, Freewater,
Oregon well - Permit No. U-~~153~~158

<u>Date</u>	<u>Feet</u>
July 15, 1950	105 - Pumping
July 16, 1950	103 - Pumping
July 17, 1950	103 - Pumping
July 18, 1950	100 - Stopped Pumping
July 19, 1950	105 - Not Pumping
July 20, 1950	100 - Not Pumping
July 21, 1950	98 - Not Pumping
July 24, 1950	95 - Not Pumping
July 25, 1950	88 - Not Pumping
July 26, 1950	88 - Not Pumping
July 27, 1950	87 - Not Pumping
Aug. 3, 1950	87 - Not Pumping
Aug. 9, 1950	85 - Not Pumping
Aug. 11, 1950	85 - Not Pumping
Aug. 14, 1950	84 - Not Pumping
Aug. 18, 1950	83 - Not Pumping
Aug. 22, 1950	82 - Not Pumping
Aug. 30, 1950	78 - Not Pumping
Sept. 7, 1950	78 - Not Pumping
Sept. 12, 1950	79 - Not Pumping
Sept. 20, 1950	80 - Not Pumping
Sept. 26, 1950	80 - Not Pumping
Oct. 2, 1950	76 - Not Pumping
Oct 12, 1950	73 - Not Pumping
Oct. 17, 1950	73 - Not Pumping
Oct. 24, 1950	72 - Not Pumping
Nov. 1, 1950	72 - Not Pumping
Nov. 8, 1950	72 - Not Pumping
Nov. 20, 1950	72 - Not Pumping
Nov. 27, 1950	71 - Not Pumping
Dec. 6, 1950	69 - Not Pumping
Dec. 11, 1950	68 - Not Pumping
Dec. 19, 1950	67 - Not Pumping
Dec. 26, 1950	66 - Not Pumping

RECEIVED

JAN 9 1951

STATE ENGINEER
SALEM, OREGON

Water level from ground surface. Utah Canning Company, Milton-Freewater, Oregon well - PERMIT No. U-158, for the year 1951

Date	Feet		Date	Feet	
1/2	66	- Not Pumping	7/12	107	- Pumping
1/8	66	" "	7/13	102	"
1/16	66	" "	7/14	105	"
1/22	65	" "	7/15	103	- " (Last Day)
1/29	67	" "	7/18	92	Not Pumping
2/5	68	" "	7/25	89	" "
2/13	71	" "	7/31	87	" "
2/20	73	" "	8/8	85	" "
2/28	74	" "	8/15	83	" "
3/5	76	" "	8/23	83	" "
3/12	76	" "	8/31	82	" "
3/19	76	" "	9/7	80	" "
3/26	74	" "	9/14	78	" "
4/3	62	" "	9/21	78	" "
4/10	63	" "	9/28	77	" "
4/17	64	" "	10/5	75	" "
4/23	64	" "	10/11	77	" "
4/30	63	" "	10/18	75	" "
5/8	63	" "	10/22	75	" "
5/14	61	" "	10/30	75	" "
5/23	63	" "	11/9	74	" "
6/4	64	- Started Pumping	11/16	74	" "
6/5	85	- Pumping	11/19	74	" "
6/9	85	Not Pumping	11/29	75	" "
6/11	88	" "	12/3	75	" "
6/15	84	" "	12/10	75	" "
6/17	95	Pumping	12/17	74	" "
6/18	98	" "	12/27	73	" "
6/19	100	" "	12/31	73	" "
6/20	100	" "			
6/21	100	" "			
6/22	102	" "			
6/23	100	" "			
6/24	105	" "			
6/25	102	" "			
6/26	108	" "			
6/27	105	" "			
6/28	105	" "			
6/29	105	" "			
6/30	107	" "			
7/1	107	" "			
7/2	107	" "			
7/3	105	" "			
7/4	105	" "			
7/5	107	" "			
7/6	109	" "			
7/7	101	" "			
7/8	107	" "			
7/9	107	" "			
7/10	103	" "			
7/31	109	" "			

RECEIVED
JAN 14 1952
STATE ENGINEER
SALEM, OREGON

RECEIVED

FEB 5 1954

5N/35-1E(1)
UMATILLA CO

STATE ENGINEER
SALEM, OREGON

Water level from ground surface. Utah Canning Company, Milton-Freewater Oregon - Well #1 - Permit No. U-158, for the year 1953.

<u>1953</u>	<u>Ft.</u>		<u>1953</u>	<u>Ft.</u>	
1/8	74	Not Pumping	7/11	119	Pumping
1/15	75	" "	7/12	117	" "
1/22	77	" "	7/13	116	" "
1/26	77	" "	7/14	117	" "
2/2	79	" "	7/15	117	" "
2/16	78	" "	7/16	115	" "
2/23	81	" "	7/17	118	" "
3/2	83	" "	7/18	110	" "
3/9	79	" "	7/20	111	" "
3/16	79	" "	7/27	93	Not Pumping
3/23	78	" "	8/5	91	" "
3/30	78	" "	8/10	89	" "
4/6	78	" "	8/17	86	" "
4/27	73	" "	8/24	84	" "
5/4	73	" "	8/31	82	" "
5/11	77	" "	9/8	80	" "
5/18	81	" "	9/15	83	" "
5/25	83	" "	9/22	84	" "
6/2	76	" "	9/28	76	" "
6/8	74	" "	10/5	74	" "
6/15	78	" "	10/12	72	" "
6/22	83	" "	10/19	73	" "
6/30	110	Pumping	10/26	70	" "
7/1	115	" "	11/2	69	" "
7/2	112	" "	11/9	67	" "
7/3	115	" "	11/16	71	" "
7/4	113	" "	11/23	73	" "
7/5	114	" "	11/30	78	" "
7/6	112	" "	12/7	78	" "
7/7	114	" "	12/14	80	" "
7/8	114	" "	12/21	80	" "
7/9	114	" "	12/28	81	" "
7/10	115	" "			

Water level from ground surface. Utah Canning Company, Milton-Freewater Oregon - Well #1 - Permit No. U-158, for the year 1954.

1954	Ft.		1954	Ft.	
1/4	81	Not Pumping	7/9	112	Pumping
1/11	83	" "	7/10	112	" "
1/18	83	" "	7/11	112	" "
1/25	83	" "	7/12	112	" "
2/1	84	" "	7/13	109	" "
2/8	80	" "	7/14	113	" "
2/15	77	" "	7/15	117	" "
2/22	78	" "	7/16	114	" "
3/1	76	" "	7/17	95	Not Pumping
3/8	76	" "	7/18	96	" "
3/15	76	" "	7/19	95	" "
3/22	76	" "	7/20	96	" "
3/29	75	" "	7/21	110	Pumping
4/5	75	" "	7/22	110	" "
4/12	75	" "	7/23	114	" "
4/19	78	" "	7/26	96	Not Pumping
4/26	74	" "	8/2	95	" "
5/3	74	" "	8/9	92	" "
5/10	73	" "	8/16	90	" "
5/17	73	" "	8/23	80	" "
5/24	73	" "	8/30	77	" "
6/1	73	" "	9/6	74	" "
6/7	68	" "	9/13	73	" "
6/14	67	" "	9/20	71	" "
6/21	69	" "	9/27	71	" "
6/24	74	Pumping	10/4	69	" "
6/25	101	" "	10/11	67	" "
6/26	105	" "	10/18	67	" "
6/27	107	" "	10/25	66	" "
6/28	97	Not Pumping	11/1	67	" "
6/29	104	Pumping	11/8	68	" "
6/30	105	" "	11/15	70	" "
7/1	97	Not Pumping	11/22	72	" "
7/3	108	Pumping	11/29	74	" "
7/4	108	" "	12/6	75	" "
7/5	111	" "	12/13	76	" "
7/6	110	" "	12/20	73	" "
7/7	113	" "	12/27	71	" "
7/8	112	" "			