UMAT 443

ORIGINAL
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UMAT 443

RECEIVED AUG 21 1957

WATER WELL REPORT
STATE OF OREGON

well #2

A-6547

State Well No. 2N/27-2 (dda)

State Permit No. G434

(1) OWNER:
Name Clausie Ammon
Address Echo, Oregon

(2) LOCATION OF WELL:
County Umatilla Owner's number, if any— #2

¼ ¼ Section T. R. W.M.

Bearing and distance from section or subdivision corner
2550'N & 50'W from SE Corner Section 3, T2N-R27E

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☒ Welded ☐
12" Diam. from 0 ft. to 77 ft. Gage
" Diam. from 77 ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well gravel packed? ☐ Yes ☐ No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? ☐ Yes ☐ No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level ft. below land surface Date
Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] Date , 19
(Owner)

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Well contract

Yield:	700	gal./min. with	20	ft. drawdown after	1	hrs.
"	1221	"	61	"	2	"
"	1600	"	90	"	2	"

Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow 580 g.p.m. Date May, 12, 1957
Temperature of water 72 Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG:
Diameter of well 12" inches.
Depth drilled 799 ft. Depth of completed well 799 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
soil	0	11
gravel	11	19
sandy yellow clay	19	40
red clay	40	52
sand	52	54
red clay	54	70
yellow shale	70	106
green clay	106	184
black rock soft	184	198
blue rock hard	198	286
red rock soft	286	305
black rock hard	305	432
gray boulders hard	432	442
black rock medium	442	493
black rock soft	493	509
black rock hard	509	524
black rock soft	524	545
boulder hard	545	549
black rock medium	549	560
gray rock hard	560	577
black rock medium	577	608
gray rock hard	608	748
sandy clay black	748	754
gray rock medium	754	769
sandy clay blue	769	777
rock blue hard Water at 798'	777	785
rock blue soft	785	799

Work started Feb. 4 19 57 Completed May, 15 19 57

(13) PUMP:
Manufacturer's Name
Type: Turbine H.P. 150

Well Driller's Statement:

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

NAME Ben Dreyer Well Drilling Con.
(Person, firm, or corporation) (Type or print)

Address Box 487 Stanfield, Oregon

Driller's well number

[Signed] Ben Dreyer
(Well Driller)

License No. 12 Date May 31, 1957

(USE ADDITIONAL SHEETS IF NECESSARY)

UMAT 443

BEN DREYER WELL DRILLING

DRILLING CONTRACTOR

2N/27 ~~1E~~ (1)
2 J (1)

Route 2 Box 73BB CRestview 6-7771
PENDLETON, OREGON

State Engineer
Salem Oregon.

RECEIVED
DEC 10 1959
STATE ENGINEER
SALEM, OREGON

Dear Sir:

Mr Claude ammon of Echo oregon ask me to send you the number feet of 12 inch pipe I installed in his well on July 1957.
I put in 101' of 12" pipe which made a ~~total~~ of 178' which I cemented twice, once with 15 sacks and once with 20 sacks.

I am satisfied he has a good seal, if he did not I do not think his well would flow. The gravel from 11' to 19' would take that water on the out side of the pipe or the sand from 52' to 54'.

Seems as tho there is a dispute of the way I finished the well.

Sincerly Ben Dreyer.

daa
2N/27-2~~3~~(1)
Well No. 2
Umatilla

Notes from Claussie Ammon

1959

December 1	Started flowing

1960

January 1	Pressure at pump 6 lbs.
February 1	Pressure at pump 9 3/4 lbs.
March 1	Pressure at pump 12 lbs.
April 1	Pressure at pump 14 lbs.

1961

December 1	No flow
January 1	No flow
January 12	Started flowing
February 1	Pressure at pump 4 lbs. Lost artesian in February when the vein in lower well opened up between 770 & 840 feet. Water level dropped to 12 feet.
March 16	Started flowing again
April 9	Moved pump from lower well to upper well & hooked up to main line. Capped off artesian flow - pressure 3 lbs.

1962

February 6	Has not started flowing
February 20	Started flowing
April 7	Pressure at pump 5 lbs.
April 14	Started pumping (estimated at 1800 gallons per minute at 60 lbs pressure) Ran seven lines with an average of 35 sprinklers per line at 40 lbs pressure.
June 22	After 10 hours pumping at 30 lbs pressure the pump started to suck air.
June 29	After 8 hours of pumping at 50 lbs pressure, the pump started to suck air.
July 3	Both pumps going, pumping approximately 2500 gallons at 55 lbs pressure.

1963

March 15	Static water level down 4 feet from top of base
April 5	Started pumping with 6 lines averaging about 38 sprinklers, pressure at pump 75 lbs.
May 1	Pumping 6 lines with average pressure at pump after 10 hours pumping 65 lbs.

UMAT 443

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2n/27-2~~1~~)
Well No. 2

Claussie Ammon

1963

June 15	Static level before starting pump 9' 4"
June 18	After 6 hours pumping and regestering 50 lbs pressure at pump, started to break suction.
June 20	Before starting pump static level 9' 11"
June 26	Pumping level with 50 lbs pressure at pump 12' 6"
July 21	After 4 hours pumping at 55 lbs pressure will start to suck air. Shuting gate valve down to pump and keeping pressure at 60 lbs or better it will pump 6 hours before sucking air.
August 1	Has to have pressure at pump around 70 lbs to keep it from sucking air in 6 hours pumping. By pumping 6 or 7 hours and then resting wells 6 hours, it gives them time to recharge and they are able to contribute more water and better pressure.

1964

April 1	Static water level 17'
July 17	Pumping both wells Nos. 1 & 2 seven hours. Well No 2 started to suck air at 49 lbs. pressure

Echo, Ore.
Jan. 31, 1961

Dear Sirs:

Enclosed is the information that you requested concerning my wells on Butter Creek in Umatilla County.

Well No. 1 Artesian 1959 -1960
Dec.1, 1959 well started flowing
Jan.1, 1960 6 lb. pressure at pump
Feb.1, 1960 9 3/4 lb. pressure at pump
March 1, 1960 12 lb. pressure at pump
April 1, 1960 14 lb. pressure at pump

April 1- started pumping and could run eight lines with average pressure of 55 lb.

July 1-cut down to 7 lines withaverage pressure at 55 lb.

Sept. 1- cut down to 6 lines with average pressure at 55 lb. Dropping pressure to 45 lb. from Sept. on would result in sucking air, this was the first year that the pump ever sucked air.

Well No. 2 1960-1961
Dec. 1, 1960 no flow
Jan. 1, 1961 no flow
Jan 12, 1961 started flowing
Feb. 1, 1961 4 lb. pressure at pump

Well no. 1 not artesian

The static water level has always been on April 1-334 ft. It will draw down to 390 ft. by late summer.

Still in process of drilling on well no. 1 and will forward you additional information when available.

Yours truly,
Ammon Bros.
by Claude H. Ammon