

WHITE - DIVISION OF WATER RESOURCES
 CANARY - CLIENT'S COPY
 PINK - WELL DRILLER'S COPY

STATE OF NEVADA
 DIVISION OF WATER RESOURCES

Figure 2

Spring Creek #5
 APR 84 - 270-31

WELL DRILLERS R Existing Well SC5
 Please complete this form in 1

1. OWNER David Freeman, Treasurer ADDRESS 1658 Bradley Sparks, Nev
 2. LOCATION Lot 5 Sec 6 T. 20 S. R 21 E. 11.23426 Cour
 PERMIT NO. 26775

3. TYPE OF WORK
 New Well Recondition
 Deepen Redrill

4. PROPOSED USE
 Domestic Irrigation Test
 Municipal Industrial Stock

5. TYPE WELL
 Cable Rotary
 Other

6. LITHOLOGIC LOG

Material	Water Stage	From	To	Thick-ness
<u>sandy clay</u>		<u>0</u>	<u>4</u>	
<u>sand</u>		<u>4</u>	<u>30</u>	
<u>sandy clay</u>		<u>30</u>	<u>270</u>	
<u>fractured Rock</u>		<u>270</u>	<u>301</u>	
<u>hard Rock</u>		<u>301</u>	<u>342</u>	
<u>fractured Rock</u>		<u>342</u>	<u>349</u>	
<u>hard rocks</u>		<u>349</u>	<u>400</u>	
<u>gravel packer inside from 300 to 400'</u>				

8. WELL CONSTRUCTION
 Diameter hole 10 inches Total depth 400
 Casing record
 Weight per foot 29 Thickness 23
 Diameter From To
10 3/4 inches 0 feet 300
9 5/8 inches 300 feet 400
 Surface seal: Yes No Type Cement
 Depth of seal 80
 Gravel packed: Yes No
 Gravel packed from 60 feet to
 Perforations:
 Type perforation 3/32 x 2 1/2
 Size perforation Factory Cut
 From 228 feet to 300
 From _____ feet to _____
 From _____ feet to _____
 From _____ feet to _____

9. WATER LEVEL
 Static water level 50 Feet below land surface
 Flow _____ G.P.M. 400
 Water temperature coll. P. Quality Clear

Date started 12-24-79
 Date completed 12-30-79

7. WELL TEST DATA

Pump RPM	G.P.M.	Draw Down	After Hours Pump
<u>1800</u>	<u>400</u>	<u>245</u>	<u>5</u>

BAILER TEST

G.P.M.	Draw down	feet	hours
G.P.M.	Draw down	feet	hours
G.P.M.	Draw down	feet	hours

10. DRILLERS CERTIFICATION
 This well was drilled under my supervision and the report is in the best of my knowledge.
 Name Paul Williams
 Address 20 South Parkway Sparks, NV
 Nevada contractor's license number 14483
 Nevada driller's license number 957
 Signed Paul Williams
 Date 12-30-79

Carson Pump
Dan Trampe

SUBJECT: Abandonment of Spring Creek No. 5 Well

Dear Dan,

We've met with Tom Gallagher from the State Engineer office and he has approved the following method for abandonment of the above referenced well.

1. Clean the cased section of the well and 10 feet below the bottom of the cased section. According to the drillers log, casing goes to 300 feet and the borehole between 300 and 400 feet is backfilled with gravel. The objective of going 10 feet below the casing is to determine if the zone below 300 feet is cased or open hole.
2. Pump neat cement grout from 310 feet up to a minimum of 210 feet. The grout may be as thick a slurry that can be pumped through a tremmie pipe. Tom suggested 5.2 gallons of water per bag.
3. Allow cement to set up adequately to sound depth to verify it is at least up to a depth of 210 feet.
4. Back fill from the top of cement grout to 20 feet below ground surface with gravel available on site.
5. Concrete remaining 20 feet to surface.

The main differences from your original proposal is that we are not obligated to clean the bottom of the hole from 310 to 400 feet and we do not have to perforate the zone above the slots to the grout seal. I've attached a drawing showing what we are proposing and what was verbally approved by Tom.

Please fax me another cost estimate to complete the above referenced abandonment. It will be included on the same purchase order with the abandonment of Mount Rose well No. 4.

Call me if you have any questions.

Dan Dragan