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WELL I.D.# L11243

Harn  
50087

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STATE OF OREGON  
WATER SUPPLY WELL REPORT  
(as required by ORS 537.765)

WATER RESOURCES DEPT.  
SALEM, OREGON

(START CARD) # 76979

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number \_\_\_\_\_  
Name SAFARI MOTOR COACH CORP.  
Address 30725 DIAMOND HILL Rd  
City HARRISBURG State OR Zip 97446

(2) TYPE OF WORK  
 New Well  Deepening  Alteration (repair/recondition)  Abandonment

(3) DRILL METHOD:  
 Rotary Air  Rotary Mud  Cable  Auger  
 Other \_\_\_\_\_

(4) PROPOSED USE:  
 Domestic  Community  Industrial  Irrigation  
 Thermal  Injection  Livestock  Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION:  
Special Construction approval  Yes  No Depth of Completed Well 1956 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE		SEAL		Material		Sacks or pounds	
Diameter	From To	From	To	From	To	From	To
16	0 60	5	60	CEMENT		26	SK
12	60 260	40	260	"		42	SK
10	260 860	500	860	"		260	SK
8	860 1400	500	1400	"		150	SK
6	1400 1956						

How was seal placed: Method  A  B  C  D  E  
 Other \_\_\_\_\_

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	0	60	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	0	260	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	0	860	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	0	1400	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing  
 Artesian  
Yield gal/min 155 Drawdown 202 Drill stem at 214 Time 6 HRS  
Temperature of water 94° Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description:  
County HARNEY Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 23S N or S Range 30E E or W. WM.  
Section 26 SE 1/4 NE 1/4  
Tax Lot 101 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) \_\_\_\_\_

(10) STATIC WATER LEVEL:  
8 ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lb. per square inch. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found \_\_\_\_\_

From	To	Estimated Flow Rate	SWL
102	260	1000 +	16'
260	720	1000 +	4'
900	1340	700-800	2'
1420	1900	150	8

(12) WELL LOG:  
Ground Elevation \_\_\_\_\_

Material	From	To	SWL
BROWN SAND	0	23	
BLUE CLAY	23	36	
BROWN CLAY	36	102	
BROWN CLAY/BROWN SAND	102	126	
BROWN & RED CINDERS	126	134	
GRAY VOLCANIC ROCK	134	140	
140' to 1956' SEE ATTACHED CUTTING DESCRIPTION. SWL'S SEE ABOVE, WATER BEARING ZONES			

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Date started MARCH 15, 1996 Completed AUG 15, 1996

(unbonded) Water Well Constructor Certification:  
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.  
WWC Number \_\_\_\_\_  
Signed \_\_\_\_\_ Date \_\_\_\_\_

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
WWC Number 773  
Signed John V. Potter Date 11-4-96

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**CUTTING DESCRIPTION FOR CTI TEST WELL, HINES**

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- 140-150 Welded tuff - pink to brown matrix, numerous lithic and feldspar  
xls inclusions.
- 150-160 as above
- 160-170 Semi consolidated tuff - light pink friable
- 170-180 as above, white
- 180-190 pumice - light brown
- 190-200 Semi consolidated tuff - white friable
- 200-210 Volcaniclastic sediments - light brown
- 210-220 as above - dark brown
- 220-230 as above - light brown
- 230-240 as above - dark brown
- 240-250 as above - light brown
- 250-260 red cinders
- 260-270 mostly basalt chips
- 270-330 semi consolidated tuff
- 330-340 volcaniclastic sediments, dark brown
- 340-360 tuff, dark gray
- 360-390 volcaniclastic sediments, rounded quartz grains clear to white,  
feldspar fragments tan to white.
- 390- 500 volcaniclastic sediments gray to brown with oolitic to colloform  
chalcedony (probably hot spring deposits) tan to yellow minor  
obsidian.
- 500-560 gray to tan variegated volcanic fragments, no rounding, some  
angular chalcedony fragments - probably Rhyolite.
- 560-670 light colored volcanic fragments, chalcedony, quartz shows  
rounding - volcaniclastic sediments
- 670-700 pink to tan chalcedony, high percentage of oolitic material also  
volcanic rock fragments.

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- 700-720 75% white coloform chalcedony, 25% tan, yellow and brown rock chips probably welded tuff.
- 720-760 50% massive white chalcedony and rock chips, 50% coloform chacedony
- 770-810 75% white massive chalcedony, rhyolite and welded tuff chips, 25% coloform chalcedony.
- 810-870 Increasing amounts of brown welded tuff-rhyolite
- 870-890 60% brown rhyolite? chips conchodial fracturing, 30% white chalcedony
- 890-910 60% white, pink and tan chalcedony, 30% welded tuff, 10% conchodial fractured rhyolite.
- 910-950 60% tan to white welded tuff and rhyolite, 40% chalcedony.
- 950-1000 As above, but more chalcedony
- 1000-1020 50% white oolitic chalcedony, 50% tan rhyolite chips
- 1020-1100 75% tan rhyolite chips, 25% chelcedony
- 1100-1120 25% clay, 50% tan rhyolite chips, 25% chalcedony
- 1120-1190 10% tuff, 90% tan rhyolite chips
- 1190-1200 90% clear, transparent to translucent angular quartz grains. shown no rounding at all
- 1200-1220 10% tuff, 20% angular quartz frags, 70% rhyolilte
- 1220-1250 50% clear quartz frags, 50% rhyolite chips
- 1250-1340 75% clear quartz frags, fewer rhyolite chips 25% tuff
- 1340-1350 75% fault gauge, particles are flat, brittle and show slickensides, rocks chips 25%, gray-green in color.
- 1350-1360 as above, darker green in color.
- 1360-1370 50% fault gauge, 50% gray-green quartz chips.
- 1370-1380 10% fault gauge, 30% white quartz chips, 60% gray-green quartz chips.
- 1380-1390 75% gray-green quartz chips, 15% white quartz chips, 10% fault gauge.
- 1390-1410 10% fault gauge, 25% gray-green quarts 25% white, 40% red-brown.
- 1410-1440 Gray to light green - 20% platy clay fragments, probably fault gouge. remainder, quartz, feldspar chalcedony and large fragments of gray rhyolite.

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- 1440-1450 Dark gray-green - 10% platy clay fragments. 70% dark gray-green rhyolite, 20% red-brown clay. WATER RESOURCES DEPT. SALEM, OREGON
- 1450-1460 Dark gray-brown - many magnetic metallic fragments. rocks are gray rhyolite and platy clay fragments, as above
- 1460-1480 As above, fewer metallic fragments.

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- 1480-1490 75% dark gray-green quartz and rhyolite, 25% tan to brn chalcedony. WATER RESOURCES DEPT. SALEM, OREGON
- 1490-1540 As above, Light gray green, diminishing metallic fragments.
- 1540-1550 Light brown, 25% platy clay frags, rest quartz and rhyolite.
- 1550-1560 Light colored angular rock chips and more clay, rocks as above
- 1560-1610 80% black conchoidal fractured obsidian(?), 10% frags as above, 10% clay
- 1610-1620 Gray-green quartz and rhyolite chips 80%, black obsidian 10%, clay 10%
- 1620-1690 Light green tuff 90%, obsidian 5%, clay 5%
- 1690-1700 Light brown quartz and rhyolite fragments, 5% obsidian
- 1700-1740 Light tan quartz and rhyolite chips
- 1740-1750 As above, with some chalcedony and red-brown clay.
- 1750-1810 Gray quartz, rhyolite and chalcedony chips, minor platy clay fragments.
- 1810-1820 As above, with red-brown clay.
- 1820-1860 Gray to gray-green quartz and rhyolite fragments.
- 1860-1880 Gray-green, as above.
- 1880-1900 As above, 5-10% platy clay fragments.
- 1900-1940 As above with 5-10% tuff and white clay fragments.
- 1940-1950 Angular quartz and rhyolite fragments stained brown with clay.
- 1950-1956 Light gray quartz and rhyolite fragments with brown clay stain.

Samples described by Richard G. Bowen, Geologist

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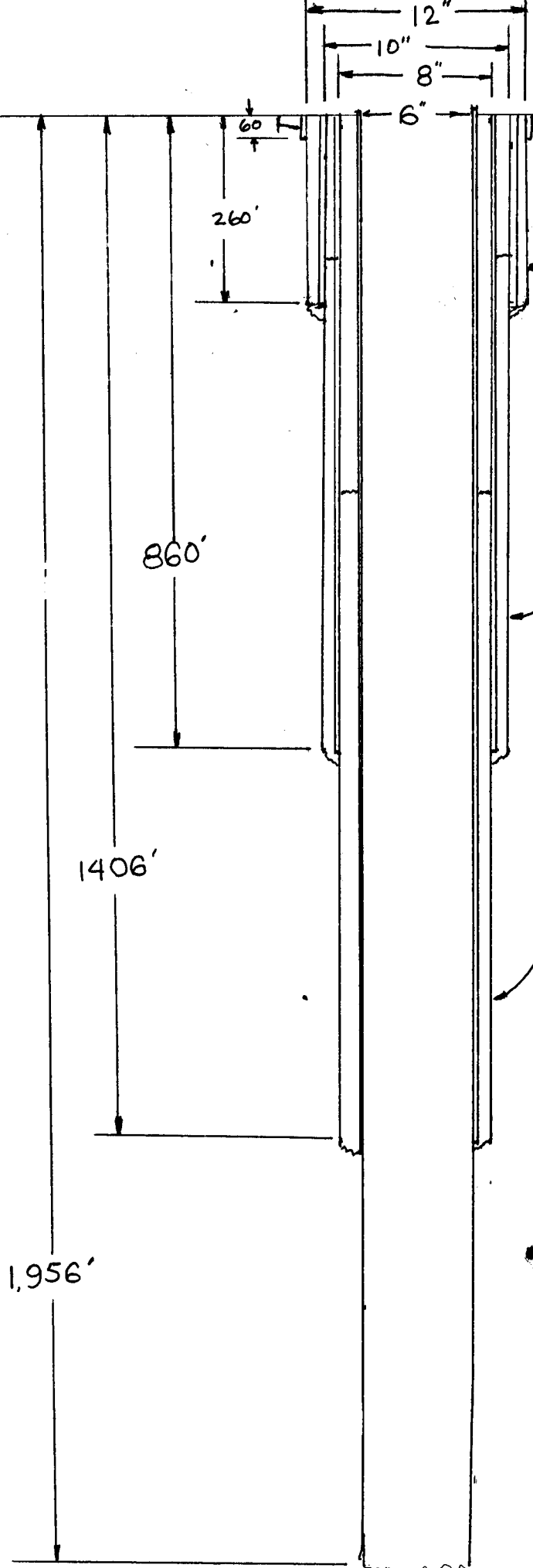
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CEMENT GROUT



CTI GEOTHERMAL TEST  
BURNS, ORE 1996

VERTICAL SCALE  $1/2" = 100'$   
HORIZONTAL SCALE  $1/8" = 1"$