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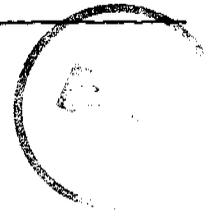
W. L. McDONALD CO.

WATER WELL ENGINEERING & CONSTRUCTION

1715 TRABERT WAY SPARKS, NEVADA 89431

TELEPHONE 358-3585

6 July, 1968



LITHOLOGIC LOG: ALDER CREEK #3

0' -4'	Sandy topsoil
4 -8	Sandy brown clay w/ some rounded gravels to 1½"
8 -17	Soft sandy yellow clay
17 -22	Fine to coarse sand w/ semi-rounded gravels to 1" & approx. 5% silt
22 -29	Hard yellow clay w/ semi-rounded gravels to 1½" mixed- approx. 10% of formation is gravel
29 -33	Soft sandy yellow clay
33 -42	Coarse sand w/ rounded gravels to 3"- sometimes very clean- sometimes extremely silty as much as 15%
42 -60	Soft sandy yellow clay- some water at 42'- very little tho
60 -70	Very silty coarse sand w/ gravels to 3" mixed- inconsistant brown clay streaks
70 -75	Clean coarse sand w/ gravels to 2" mixed- some water
75 -96	Fine to coarse sand & gravels mixed w/ yellow clay
96 -98	Clean coarse sand w/ gravels to 2" mixed
98 -108	Fine to coarse sand & gravels mixed w/ yellow clay
108-120	Fine to coarse sand w/ rounded gravels to 1" mixed- some inconsistant streaks of sticky yellow clay
120-130	Fine to coarse sand w/ semi-rounded to rounded gravels to 1"- some gravels to 3"- inconsistantly water bearing
130-139	Coarse sand w/ angular to semi-angular gravels to 1½"- sometimes very silty- sometimes very clean. Inconsistantly water bearing.
139-140	Fine to coarse sand w/ semi-rounded gravels to ½"- very silty- occasional yellow clay lens.
140-215	Coarse sand w/ angular to semi-rounded gravels to 3"- inconsistantly silty- some sticky yellow clay streaks to 12" in thickness. Formation is approx. 40% water bearing- gravels are sometimes mixed w/ clay. Water level rose 30' in hole at the 205' level.
215-224	Soft sandy yellow clay
224-247	Fine to coarse sand w/ semi-rounded gravels to 1" & approx. 10% silt- some inconsistant yellow clay lenses to 4" in thickness. Formation is sometimes very clean & inconsistantly water bearing.
247-273	Soft sandy yellow clay w/ inconsistant ½" rounded gravels in lenses to 4" in thickness- lenses appear to be water bearing

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- 273-278 Fine to coarse sand w/ approx. 3% silt & small semi-rounded gravels to 3/8"- some soft yellow clay lenses- material is generally water bearing
- 278-314 4 Soft sandy yellow clay
- 314-323 Fine to coarse sand w/ approx. 2% silt & semi-rounded gravels to 3/4"- doubtfully water bearing
- 323-330 Soft sandy yellow clay
- 330-336 Fine to coarse sand w/ rounded gravels to 1/2"- probably water bearing- material is very loose and difficult to drill
- 336-341 Soft sandy yellow clay
- 341-370 Fine to coarse sand w/ small rounded gravels to 3/8"- very loose material and appears to be water bearing
- 370-384 Small rounded gravels to 1/4" mixed w/ dry, crumbly brown clay
- 384-416 Fine to coarse sand w/ semi-rounded gravels to 1"- approx. 1% silt mixed and occasional yellow clay lenses. Appears to be water bearing to 401' depth. No water from 401-416. Very slow and tedious drilling.
- 416-420 Brown clay mixed w/ sharp gravels to 3/4"
- 420-431 Weathered black rock- probably rhyolite- becoming gradually harder as depth increases. Material is still approx. 50% weathered at the 431' depth.

#18617

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STEP DRAWDOWN TEST* ALDER CREEK #3

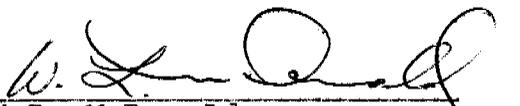
Static water level: 56'

92'	PWL (pumping water level)	300 GPM(gallons per minute)
97'	PWL	650 GPM
103'	PWL	800 GPM
110'	PWL	900 GPM
118'	PWL	1,095 GPM
125'	PWL	1,200 GPM
132'	PWL	1,350 GPM
136'	PWL	1,500 GPM
144'	PWL	1,675 GPM
150'	PWL	1,880 GPM

Power unit: 6:71 GMC diesel

Pump unit: 8" x 210' deep well- oil lube turbine w/ 5 stg.12WHH bowl

The above information has been compiled and submitted by;


 W.L. McDonald- owner
 W.L. McDonald & Co.

WLM/wlm