

DEPARTMENT OF NATURAL RESOURCES

STATE OF MISSOURI



Application
Date 9-28-76 Exhibit No. 6
Reporter jj Case No. WF-98-172

PERMIT OF APPROVAL

FOR SUPPLYING WATER TO THE PUBLIC

PERMIT NO. 6177

GRANTED TO

TURKEY MOUNTAIN ESTATES NUMBER ONE, BARRY COUNTY, MISSOURI
(Name of Municipality, Corporation, Company, Person or Institution)

ISSUED IN ACCORDANCE WITH SECTION 192.200
MISSOURI REVISED STATUTES AND RULES AND REGULATIONS
PROMULGATED UNDER SECTION 192.180.

By

Samuel H. H. H.
Director, Department of Natural Resources

Date

APRIL 22, 1976

Owner
Driller

Engineer-Howard G. Moore & Co.

Geological Survey

Section of Environmental Health-Water Supply

The Department of Public Health and Welfare of Missouri
DIVISION OF HEALTH

Approximate yield: 150 gpm
Drawdown: 118 Feet

SURVEY OF PRESSURE GROUT SEALING OF WELL CASING

Sec. 20, T 23 N, R 25 W Barry County,

Shell Knob, Missouri

Owner of Well Turkey Mountain Estates, Inc. Location Turkey Mountain Est. No. 1, Well #1

Jim Norman, Vice-President

(If municipal well, date by number)

Shell Knob, Missouri

Total depth of well 553' Depth of casing 350' Casing joints (collared/weld) welded

Diameter of drill hole to casing point 10" Diameter of drill hole below casing point 6"

Inside diameter of casing 6" Outside diameter of casing 6"

Casing weight per foot 19.45 Length and diameter of surface casing None

Static water level before sealing 90' Static water level after sealing 194'

Was water circulated before cement grout was introduced? No

Were crevices encountered which prevented or interfered with grouting? None Depth None

Was any prepared compound pumped into the well in an attempt to obtain circulation? No

Material used None Amount None

Was cement grout forced upward from bottom of casing to ground surface? Yes

If not, to what elevation? None Who determined elevation? None

What was the maximum pressure exerted on cement grout? 150 PSI

Total amount of cement used None Amount forced upward from bottom of casing 130 Sacks

Amount introduced from top of ground None

How many hours was cement grout permitted to set before plug was drilled out? 72

Name of drilling contractor B. & R. Drilling Company, Springfield, Miss.

Name of cementing contractor Texas Cementing Company, Centralia, Ill.

Date of cementing casing 2-14-74

Give brief narrative of cementing operation, including difficulties encountered: Cement
circulated before the plug was introduced. About 10 sacks were wasted to the surface. Plug
was pumped to 330'.

Reported by Jim Norman

Title Sanitary Engineer

Date 8-15-74