

4430 Commercial Avenue

Omaha, Nebraska

## TEST WELL REPORT

City and State    **Crescent, Iowa**

Date            **December 22, 1969**

Contract        **Crescent Ski Lodge**

Driller         **Don Oseka**

Test No.        **69-1**

Helpers        **Ken Sondar**

Static Water Level

**Test Log**

0'	10'	Black silty soil.
10'	48'	Blue clay.
48'	59'	Blue sandy clay.
59'	62'	Coarse sand with clay.
62'	67'	Gravel with lots of clay, streaks.
67'	69'	Gravel and coarse sand.
69'	72'6"	Brown clay.
72'6"	74'	Coarse sand and gravel.
74'	76'	Blue clay.
76'	79'	Gravel and coarse sand and boulders.
79'	81'6"	Blue clay.
81'6"	82'	Gravel.
82'	88'	Blue clay, trace of boulders.
88'	89'	Gravel.
89'	91'	Blue clay.
91'	91'6"	Gravel
91'6"	92'6"	Blue clay.
92'6"	93'6"	Gravel and coarse sand.
93'6"	131'	Blue clay, hard.

Size Mud Pit—Length    6'    , Width    2'    , Depth    3'

**WATER BEARING FORMATION DATA**

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
62' to 76'	37 Sec.	1 1/2	
76' to 93'6"	"	1	
to			
to			
to			
to			
to			

LOCATION:

REMARKS:

## TEST WELL REPORT

City and State **Crescent, Iowa**Date **December 22, 1969**Contract **Crescent Ski Lodge**Driller **Don Osaka**Test No. **69-1**Helpers **Ken Sonder**

Static Water Level

### Test Log

131'	134'	Blue sandy clay.
134'	137'6"	Coarse sand and fine sand.
137'6"	143'	Gravel and limestone, boulders, very rough drilling.
143'	145'	Light blue shale.
145'	147'	Red shale.

Size Mud Pit—Length **6'**, Width **2'**, Depth **3'**

### WATER BEARING FORMATION DATA

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
134' to 143'	37 Sec.	2	
to			Electric logged to 141'
to			P - 5 R - 25
to			
to			
to			
to			

LOCATION: **About 1/4 Mi. West of Pigeon Creek bridge on No. side of entrance road.**REMARKS: **100 GPM probably maximum capacity.**

# Layne-Western Company

4430 Commercial Avenue

Omaha, Nebraska

## TEST WELL REPORT

City and State **Crescent, Iowa**

Date **January 6, 1970**

Contract **Crescent Ski Lodge**

Driller **Donald Oseka**

Test No. **70-1**

Helpers **Kenny Sonder**

Static Water Level **approx. 6 or 8 ft.**

### Test Log

0'	2'	Black Soil
2'	8'	Brown Clay
8'	17'	Coarse sand and fine sand, brown color.
17'	55'	Coarse sand and fine sand, blue color.
55'	58'	Coarse sand and small gravel, blue color.
58'	62'	Coarse sand and clay
62'	76'	Coarse sand and fine sand
76'	78'	Gravel and boulders
78'	79'	Blue shale
79'	79'-6"	Limestone

Size Mud Pit—Length , Width , Depth

### WATER BEARING FORMATION DATA

Depth	Mud Viscosity	Inches Mud Taken from Pit	Drilling Time
to 18'	37 sec.	1	
18' to 28'		1½	Electric logged to 78'
28' to 38'		1½	
38' to 48'		1½	P-5 R-25
48' to 58'			
58' to 68'			
68' to 78'		1½	

LOCATION: **Sophus Peterson Farm near East Bluffs. .750' west of bluff line and 90' west and 77' south of west end of north dike of small lake at base of bluff.**

### REMARKS:

**This should pump 700 GMP.**