

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey

C-040

RECORD OF WELL

Location:

Town: LEWIS { NE }
 { SW } : County CASS

CTR. N. Line sec. 10 T 75 N., R. 37 E. W. Twp.

Well name and number *Core Hole*

Owner	Lewis Rd. #1 Cass Co. #1 - 1952	Address
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Tenant	Sanders #1	Address
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Contractor *Mo. Valley Ls. Co.* Address

Drillers

Drilling dates

Well data:

Elevations: Drilling curb feet; Land surface feet

N. Side of Highway 34

W. of County Road (Stick in hole - maybe)

Determined by

Topographic position

Total depth:	Reported	feet, Measured	feet
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Drilling method

Hole and casing data

	above	
Original depth to water	ft. below	Date

Original elevation of water level ft.; Source of data

Sources of water: Principal _____; Others _____

Production data: Date _____

Static depth to water _____ Measuring point _____
Pumping level _____ at _____ g.p.m.

Specific capacity _____ g.p.m. per ft. drawdown; Temperature _____ °F.

Pump data: Type pump _____ Column Dia. _____ Length _____
Cylinder or bowls: Dia. _____ Length _____ Suction pipe _____
Power _____ Airline _____
Estimated rate of production: _____ g.p.m. for _____ hrs. a day
Use of water _____

WATER ANALYSES (in parts per million)

Date samples	_____	_____	_____	_____
Sampled by	_____	_____	_____	_____
Total solids	_____	_____	_____	_____
Insoluble matter	_____	_____	_____	_____
Alkalinity (Meo)	_____	_____	_____	_____
Alkalinity (Phn)	_____	_____	_____	_____
pH	_____	_____	_____	_____
$\text{Fe}_2\text{O}_3 + \text{Mn}_2\text{O}_3 + \text{Al}_2\text{O}_3$	_____	_____	_____	_____
Alkali as sodium	_____	_____	_____	_____
Calcium	_____	_____	_____	_____
Magnesium	_____	_____	_____	_____
Iron (unfiltered)	_____	_____	_____	_____
Manganese	_____	_____	_____	_____
Nitrate	_____	_____	_____	_____
Fluoride	_____	_____	_____	_____
Chloride	_____	_____	_____	_____
Sulfate	_____	_____	_____	_____
Bicarbonate	_____	_____	_____	_____
Hardness (ppm)	_____	_____	_____	_____
Hardness (gpg)	_____	_____	_____	_____
Remarks	_____	_____	_____	_____

Laboratory data: Sample storage location _____
Sample range _____ No. spls. _____ No. dupls. & Cond. _____
Spls. prepared by _____ Washed range _____ by _____
Driller's log and cond. _____
Insoluble residues: Prepared by _____ Studied by _____ Strip log _____
Microscopic study _____ strip log _____
Gen. log _____ Correl. by _____