

RUSSELL, IOWA

Twenty-four hour pumping test 10-17-18, 1956

by LAYNE-WESTERN COMPANY
AMES, IOWA

Using a 4" x 2 1/2" orifice

Date	Time	G.P.M.	Reading orifice	Remarks
10/15/56	5:10 PM	8 1/4	11"	Very muddy
10/15/56	6:10 PM	8 1/4	11"	Muddy
10/15/56	6:30 PM	100	16"	Murkey
10/15/56	7:08 PM	Water sample		33 grains hard, 4 P.P.M. iron, Ph. 8.4
10/15/56	7:10 PM	100+	16"+	Cloudy
10/15/56	7:30 PM	120+	22"	Cloudy
10/15/56	8:10 PM	14 1/4	33"	Milky
10/15/56	9:10 PM	14 1/4	33"	Slightly milky
10/15/56	9:25 PM	Water sample		17 grains hard, 3 P.P.M. iron, Ph. 8
10/15/56	10:10 PM	14 1/4	33"	Near clear
10/15/56	10:15 PM	156	38"	Near clear
10/15/56	10:30 PM	16 1/4	42"	Near clear
10/15/56	10:40 PM	Water sample		17 grains hard, 2.5 P.P.M. iron, Ph. 8
10/15/56	11:10 PM	176	49"	Near clear
10/15/56	12:00 PM	176	49"	Clear
SHUT DOWN UNTIL MORNING				
10/16/56	7:00 AM	Pumped at different levels until 10:45 P.M. and different capacities to get pumping levels.		
		160 GPM @ 30' DD - 373 P.L.		
		125 GPM @ 20' DD - 363 P.L.		
		54 GPM @ 10' DD - 353 P.L.		
START TWENTY-FOUR HOUR TEST				
10/17/56	5:00 PM	165	43'	Clear
10/17/56	6:00 PM	168	45'	Clear
10/17/56	8:00 PM	165	43'	Clear
10/17/56	9:00 PM	165	43'	Clear
10/17/56	10:00 PM	165	43'	Clear
10/17/56	11:00 PM	163	42'	Clear
10/17/56	12:00 PM	163	42'	Clear

10/18/56	1:00 AM	165	43'	Clear
10/18/56	2:00 AM	165	43'	Clear
10/18/56	3:00 AM	165	43'	Clear
10/18/56	4:00 AM	165	43'	Clear
10/18/56	5:00 AM	165	43'	Clear
10/18/56	6:00 AM	165	43'	Clear
10/18/56	7:00 AM	165	43'	Clear
10/18/56	8:00 AM	165	43'	Clear
10/18/56	9:00 AM	160	40'	Clear
10/18/56	9:15 AM	160	40'	Stopped 5 minutes (water in gas)
10/18/56	10:00 AM	160	40'	Clear
10/18/56	11:00 AM	160	40'	Clear
10/18/56	12:00 Noon	160	40'	Clear
10/18/56	1:00 PM	160	40'	Clear
10/18/56	2:00 PM	160	40'	Clear
10/18/56	3:00 PM	160	40'	Clear
10/18/56	4:00 PM	160	40'	Clear
10/18/56	5:00 PM	160	40'	Clear

Static water level 343'
from ground level