

Darling Drilling Co.

Residence
Phone
662-3991

1211 W. 4th
Hutchinson, Kansas 67501
DRILLER'S TEST LOG

Office
Phone
662-7901

Customer's Name George Wood Date 3-20-71
Address 320 Conway RR Test No. 1
County McPherson Quarter NW Section 11 Township 20 Range 4W

DRILLED FOOTAGE		DESCRIPTION OF STRATA	Indicate Test Location By an X		
From	To				
0	8	Soil.			
8	19	Sandy Soil.			
19	40	Clay.			
40	43	Tight Sand			
43	89	Sand med			
89	110	Clay.			
110	162	Med to coarse sand			

Static Water Level: 50' 6"

REMARKS:

WELL AND PUMP COMPLETION SHEET

Date May 4, 1971

Customer's Name Moss, George
 Customer's Post Office Address Conway R R McPherson Kan 67466
 Well Location Information-- Legal Description NW 11-20-4

Miles from nearest Town _____

Well Specifications: Depth of Finished Well 162 Ft.

Number of feet of Plain Casing 100 Gauge transite Diameter 14

Number of feet of Perf. Casing ~~100~~ Gauge _____ Diameter 14

Number of feet of Screen Casing 60 Gauge _____ Diameter _____

Yards of Gravel for Gravel Pack _____ Number of Test Wells Drilled 1 - 35'
2 - 35'
3 - 162'

Name and Address of Test Well Driller _____

PUMP SPECIFICATIONS: --- Head No. 8 1/2 Serial No. _____

Column Pipe: 110 Feet 8 Column size _____ Oil tube 1 1/4 Shaft

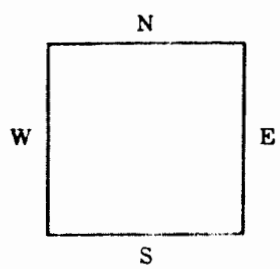
Bowl Assembly: 3 Stages 12 Bowl size D Bowl type HC Impellers

Suction Pipe: _____ Feet _____ Diameter _____ Gauge

List Additional Equipment Below. Please Give Serial Numbers. Well Capacity Information

<u>Used</u> <u>90 HP</u> <u>4-5 Amuro</u>	Static Water Level <u>50' 6"</u> Ft.
_____	<u>over top of pump</u> <u>1200</u> GPM <u>20'</u> Ft. Lift
_____	<u>1100</u> GPM <u>71'</u> Ft. Lift
_____	<u>1000</u> GPM <u>70'</u> Ft. Lift
_____	<u>1000</u> GPM <u>69'</u> Ft. Lift
_____	_____ GPM _____ Ft. Lift

THIS SKETCH REPRESENTS 160 ACRES DESIGNATE WELL LOCATION WITH "X"



Electric

Name of Well Driller _____

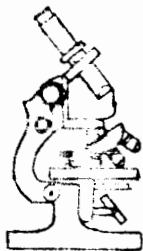
By _____

CUSTOMER'S SIGNATURE _____

Additional Remarks: _____

Please fill in this completion sheet after well is finished and ready for payment. Keep Yellow copy for your files, give customer Pink copy, and send or bring White copy to the Western Land Roller Company.

235



WATER TESTING

THE DUPRAY-PETERSON LABORATORY

PHONE MOHAWK 5-5661 19 NORTH WALNUT

BOX 866

HUTCHINSON, KANSAS 67501



NAME Darling Drilling Co. ADDRESS Hutchinson, Kansas
 SOURCE OF SAMPLE _____ DATE RECEIVED 3-25-71 DATE REPORTED 3-25-71
 SAMPLE IDENTIFICATION George Moore NW 11-20-4

SANITATION EXAMINATION

QUALITATIVE TEST FOR COLI-FORM BACTERIA (Sanitation) _____
 QUANTITATIVE TEST FOR COLI-FORM BACTERIA (Coli-form per 100 ml.) _____
 STANDARD PLATE COUNT (Per ml.) _____
 BACTERIAL CONDITION OF WATER _____

CHEMICAL TESTS

1. Elec. Conductivity	<u>1260</u> Micro Mhos/cm	9. Nitrates as (NO ₃)	<u>Negative</u> ppm
2. Total Solids	<u>900</u> ppm	10. Nitrites (NO ₂)	<u>Negative</u> ppm
3. Estimated % Sodium	<u>30</u> %	11. pH	<u>7.3</u>
4. Total Hardness	<u>35.62</u> gr/gal	12. Calcium ion	<u>180.0</u> ppm
Total Hardness	<u>610.0</u> ppm	13. Magnesium ion	<u>38.7</u> ppm
5. Salt (Sodium Chloride)	<u>440.0</u> ppm	14. Phenol. Alkalinity	<u>Negative</u> ppm
Chlorides	<u>349.1</u> ppm	15. Total Alkalinity	<u>280.0</u> ppm
6. Total Iron	<u>2.99</u> ppm	16. Total Sulfates	<u>23.5</u> ppm
7. Detergents	<u>Negative</u>	17. Silica	<u>8.6</u>
8. Copper	<u>Negative</u>		

IRRIGATION QUALITY _____

SUGGESTED METHOD FOR COLLECTING SAMPLE OF WATER

- Order or obtain sterile containers from Laboratory (a \$1.00 deposit is required if we are to mail you a container) or if this is not feasible, boil in water a 8 or 16 oz. jar and lid for 10 minutes.
- Submerge tip of faucet in cup of chlorox for 5 minutes.
- Rinse off faucet with the boiled water.
- Turn on water for 10 minutes. Using care, obtain your sample.
NOTE: Do not take water sample from outside hose or faucet.
- Deliver or mail to Laboratory as soon as possible. If sample is to be mailed, please submit your check for correct amount, minus \$1.00 if you have made a deposit on a container.

WATER TESTING CHARGES (Bacteriological)

1. Qualitative test for Coli-form bacteria (sanitation)	-----	\$3.00
2. Number of Coli-form bacteria in water	-----	3.00
3. Standard plate count (number of bacteria in water)	-----	2.50
4. Check for sewage bacteria (Typhoid, etc.)	-----	5.00

WATER TESTING CHARGES (Chemical)

1. Complete chemical testing as listed above	-----	\$14.00
2. Irrigation quality (includes tests # 1, 3, 4, and 5)	-----	4.00
3. A single chemical test is \$1.50, each additional test on same sample	-----	1.00

(over for information)