7½ Manilla Quad
415310N-0951345-01
082-38W-26ADDD
6/81 field located by B. Robinson

W-3942

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

RECORD OF WELL

Location: 62' W of Street west of city wells
26' N of alley

Town: Manilla (N E) (S W): County Crawford

SE SE NE sec. 26 T 82 N., R. 38 E. W. Twp.

Well name and number Manilla Town Test No. 1

Owner Manilla Address

Tenant Address

Contractor Layne-Western Co Address Omaha

Drillers Donald Oseka - Robert Labs

Drilling dates Nov 1949

Well data:

Elevations: Drilling curb feet; Land surface 1346 feet

~~1358' GL=20'~~ 1346 alt.

Determined by

Topographic position

Total depth: Reported 85' feet, Measured feet

Drilling method

Hole and casing date

Original depth to water ft. above below Date

Original elevation of water level ft.; Source of data

Sources of water: Principal 55'6" to 82'4"; 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 ALALYSES (in parts per million)

Date samples				
Sampled by				
Total solids				
Insoluble matter				
Alkalinity (Meo)				
Alkalinity (Phn)				
pH				
Fe_2O_3- Mn_2O_3-Al_2O_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 0-85 No. spls. 17 No. dupls. & cond. 17 G

Spls. prepared by WMM Washed range ~~55-85~~ by ~~WMM 4-27-49~~

Driller's log and cond. _____

Insoluble residues: Prepared by _____ Studied by _____ Strip log _____

Microscopic study _____ strip log _____

Gen. log _____ Correl. by _____

MASTER CARD – A 9-26-69

STATE	COUNTY	LATITUDE DEG.	LATITUDE MIN.	LATITUDE SEC.	N. or S.	LONGITUDE DEG.	LONGITUDE MIN.	LONGITUDE SEC.	NO. SEQ.
1 2	3 4	5 6	7 8	9 10	11	12 13 14	15 16	17 18	19
19	24	41	53	06	N	095	13	48	1

WELL SCHEDULE

US GEOLOGICAL SURVEY

IOWA DISTRICT WRD

WELL NO. 082-38W-26 ADD CO. CRAWFORD

OWNER MANILLA CITY TEST #1 (1949) ADDRESS MANILLA, IOWA

DRILLER LAYNE WESTERN DATE DRLD. NOV. 1949

MAP 1:63,360 COUNTY HWY.

SOURCE OF DATA FILE

DESCRIPTION M. P. LSD FEET (ABOVE/BELOW) LSD 1346FT.

CONTINUED FROM ABOVE	ACCURACY	LOCAL WELL NUMBER T.	R.	E/W	SEC.	QUARTERS	LOCAL USE W-NUMBER	OPTIONAL	OWNER OR NAME	OWNERSHIP	WATER USE	WELL USE	WELL DATA	FREQ. W/L	FIELD CHAR.	HYD. LAB	QW-DATA	QW-FREQ.	PUMPAGE	APERTURE	LOG DATA	CARD DESIG.
	20	21 22 23	24 25	26	27 28	29 30 31 32 33 34	35 36 37 38 39	40 41 42 43 44 45 46 47 48 49 50 51	52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	67	68	69	70	71	72	73	74	75	76	77	78 79	80
	2	082	38	W	26	ADD	03942	//49CITY T1MANILLA IØWA		M		T	3Ø								GD	A

WELL-DESCRIPTION CARD – B

DUPLICATE CARD A CC 1-19	DEPTH OF WELL	ACCURACY	DEPTH CASED OR FIRST PERF.	DIAM. INCHES	WELL FINISH	METH. DRILLED	YEAR DRILLED	PUMP SETTING	METH. LIFT	DEEP/SHALLOW	POWER	ALTITUDE OF LSD (FEET)	ACCURACY	WATER LEVEL (FEET)	ACCURACY	DATE MONTH	DATE YEAR	YIELD OF WELL (GPM)	METH. DET.	DRAW-DOWN (FEET)	ACCURACY	PUMPING PERIOD (HOURS)	QUALITY OF WATER IRON	SULF.	CHLOR.	HARD	S.P. COND.	TEMP.	DATE SAMPLED	CARD DESIG.
	20 21 22 23	24	25 26 27 28	29 30	31	32	33 34 35	36 37 38	39	40	41	42 43 44 45 46	47	48 49 50 51	52	53 54	55	56 57 58 59 60	61	62 63 64	65	66 67 68	69	70	71	72	73	74 75 76	77 78 79	80
			853				949			D		13467		54	D			600		83										B

HYDROGEOLOGIC CARD – C

DUPLICATE CARD A CC 1-19	PHYS-IOG-RAPHY PROV.	SEC.	DRAINAGE BASIN	SUBBASIN	TOPO SETTING	MAJOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITH-OLOGY	ORIG.	THICK-NESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	MINOR AQUIFER SYSTEM	SERIES USGS	SERIES IGS	UNIT	LITH-OLOGY	ORIG.	THICK-NESS	LENGTH WELL OPEN TO	DEPTH TO TOP OF	DEPTH TO CONSOLI-DATED ROCK	SOURCE	DEPTH TO BASEMENT	SOURCE	SURF. MAT. LITH-OLOGY	SURF. MAT. INFIL.	COEF. TRAN. SIG. FIG.	COEF. TRAN. X10	COEF. STOR. SIG. FIG.	COEF. STOR. X10-	GEOL. CARDS	CARD DESIG.
	20 21	22	23 24 25	26	27	28	29	30	31	32 33	34	35 36 37	38 39 40	41 42 43	44	45	46	47	48 49	50	51 52 53	54 55 56	57 58 59	60 61 62 63	64	65 66 67 68	69	70 71	72	73 74	75	76 77	78	79	80
	1	2E	35D			Q	G	G	X	3	S	O		45														8T	4						C

CASING AND SCREEN (SIZE, TYPE, INTERVALS):

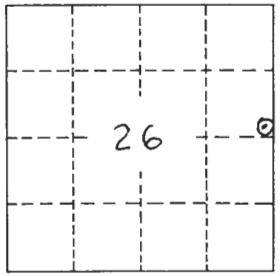
No INFORMATION.

CODED BY D. AARONSON DATE 14 JULY 1970

PUNCHED BY T DATE

VERIFIED BY KW DATE

SKETCH ON REVERSE: YES NO ✓



WELL NO. 082-38W-26 ADD

TEST WELL REPORT

City Manilla State Iowa Date November 14, 1949

Contract Town of Manilla Driller Donald Oseka

Test No. 1 Helpers Robert Labs

Static Water Level

Test Log

0'	-	4'	Black soil
4'	-	6'	Brown clay
6'	-	25'	Yellow clay - sticky
25'	-	32'	Blue clay - sticky
32'	-	43'	Blue clay with few gray stones, small
43'	-	45'	Yellow clay with trace of Dakota sandstone
45'	-	55' 6"	Blue sandy clay
55' 6"	-	65'	Gray gravel and coarse sand and fine sand
65'	-	74'	Gray gravel, some boulders and trace of fine sand
74'	-	82' 4"	Gray gravel and boulders
82' 4"	-	85'	Blue shale - hard

Size Mud Pit--Length 6', Width 4', Depth 3'

WATER BEARING FORMATION DATA

Depth	Wt. Mud Lbs. per Gal.	Inches Mud Taken from Pit	Other Data
55' 6" to 82' 4"	9	14	
to			
to			
to			
to			
to			
to			

REMARKS:

F-4 5M 6-47

(See Other Side)