Iowa Department of Natural Resources Geological Survey Bureau
109 Trowbridge Hall Iowa City, Ia. 52242-1319 PH (319) 335-1575

WELL RECORD

#35660

Permit No. 95-0140

Site identification

Property Owner Mitchell Co. Hist. Soc. Well Number _____

Address OSAGE, IA

Tenant _____

Well Depth 150 ft Date Completed 11 / 9 / 94

Location

County Mitchell

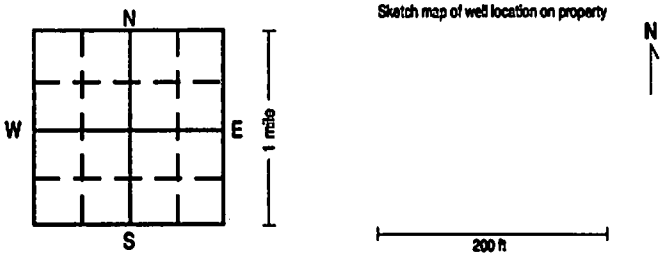
____ mi. N/S and ____ mi. E/W of Intersection of _____ and _____

____ 1/4 of the ____ 1/4 of the ____ 1/4 of Sec 21 TWP 98 RNG 16 E/W

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Show exact location of well in section grid with a dot (●).

Sketch map of well location on property



☐ upland ☐ hillside ☐ valley Elevation (if known) _____

Formation log

From	To	Color	Hardness	Formation description
0	3			Clay
3	10			Gravel
10	25			Sand, Gravel
25	36	Gry		Limerock
36	65	Multi		Limerock
65	68			Shale
68	78	Brn		Limerock
78	90	PK Brn		Limerock
90	110			Shale
110	130	LT BRN		Limerock
130	145	Gry		Limerock
145	150			Shale

use additional sheets as needed

Remarks (including depth of lost drilling fluids, materials, or tools)

Well use

☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☒ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other _____ (explain)

Drill method

☒ rotary ☐ auger ☐ cable other _____

Hole size

12¼ inch from 0 ft to 30 ft
10 inch from 30 ft to 119 ft

hole size continued

6 inch from 119 ft to 150 ft
____ inch from ____ ft to ____ ft

Record all depth measurements from ground level (GL). Use (+) for above GL measurements.

Casing

Drive shoe (yes / no) Pitless adaptor (yes / no)

Size (ID/OD)	Type / Wt	Depth top	Depth bottom	Amount (length)
6	Steel	0	119	121

Perforated or slotted casing? (yes / no)

Perforated / slotted from _____ ft to _____ ft
Perforated / slotted from _____ ft to _____ ft

Casing grouted? (yes / no)

Type	Depth Top	Depth Bottom	Amount
Cement	0	119	67 Sacks
			3 Sacks Hole Plug

Well screen? (yes / no)

Diameter	Slot size	Depth Top	Depth Bottom	Length	Material

Bottom capped (yes / no) with _____
Seals / Packers (yes / no) kind _____ depth _____ ft
Gravel packed (yes / no) from _____ ft to _____ ft
type _____ amount _____

Well developed? (yes / no)

Explain Air lift: 40 GPM at 30'

Pump installed? (yes / no) Date ____ / ____ / ____

Installer's name _____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ Rated capacity _____ GPM

Water information

Aquifer: ☐ sand/gravel ☐ limestone ☐ sandstone

Main water-supply zone from _____ ft to _____ ft

Final water level (static water level) 10 ft (below / above) GL.

Pumping water level 40 ft below GL; ☐ tape ☐ airline ☐ E-line

At yield of 30 GPM; ☐ orifice ☐ volumetric ☐ estimate Date _____

Water quality test? (yes / no) Date tested ____ / ____ / ____

Tested by _____

Test results _____

Contractor Shawver Well Co, Inc

Address Fredericksburg, IA 50630

Driller Jim Bunting Certification no. 40121

white copy - Iowa DNR, Geological Survey Bureau blue copy - Well Contractor pink copy - Customer yellow copy - County Health Officer

SHAWVER WELL CO., INC.
WELL LOG DATA

W-35660

Well NO: 9411241
Owner Name: MITCHELL CO HISTORICAL SOCIETY
Second Name: ATTN: GENE MAYER
Address1: 615 CHESTNUT STREET
Address2:
City: OSAGE, IA
Zip: 50461
Short Co. Name: MIT Mitchell
Township: OSAGE
Section: 21
Quarters: SESWSE
Start Date: 11/7/94
End Date: 11/9/94

98-17W

Log of Well	0'	TO	3'	CLAY
	3'	TO	10'	GRAVEL
	10'	TO	25'	SAND, GRAVEL
	25'	TO	36'	GRAY LIMEROCK
	36'	TO	65'	MULTI-COLOR LIMEROCK
	65'	TO	68'	SHALE
	68'	TO	78'	BROWN LIMEROCK
	78'	TO	90'	DARK BROWN LIMEROCK (WATER)
	90'	TO	110'	SHALE
	110'	TO	130'	LITE BROWN LIMEROCK
	130'	TO	145'	GRAY LIMEROCK
	145'	TO	150'	SHALE

Description
THE WELL IS CASED TO 121' WITH 6 5/8" OD STEEL CASING. A 12¼" HOLE WAS DRILLED TO 30' AND A 10" HOLE WAS DRILLED TO 119' AND CEMENT GROUT WAS PUMPED IN THE ANNULAR SPACE.
AIR LIFTING INFO: 30 GPM AT 40'
MAXIMUM GPM 40

Static Water Level: 10'
Pump Setting:
Water Test:

Bore Hole Data

0'	TO	30'	12¼" DIAMETER
30'	TO	119'	10" DIAMETER
119'	TO	150'	6" DIAMETER

Driller: JIM BUNTING