Tom Darns

Well Information - Rock Wells

Layne-Western Company, Inc.

WATER SUPPLY CONTRACTORS

705 SO. DUFF AVE. AMES, IOWA 50010

Phone 515 232-3563

Record file

Name of Job Town of Odebolt Date 8/13/76

City Odebolt State Iowa

Well No: 8 Drillers: Steve Mullins, Darrell Aldrich

Well Location: _____ ft. (____) and _____ ft. (____) of the _____ corner of the _____ ¼ of Section _____, Twp. _____ (____), Range _____ (____) _____ County.

Otherwise located as West of water tower on Tower and filter house lot

Work Began: 6/17/76 Work Completed: 8/12/76

Casing Record:

Amount	Dia.	Wt. or Thickness	Material				
563'	16"	3/8	steel	with weld	joints from +3'	to	560'
1830'	10"	3/8	steel	with T & C	joints from +3'	to	1827'
				with	joints from	to	
				with	joints from	to	

Hole Record:

20	inch from	0	to	563'
15	inch from	563'	to	1833'
9	inch from	1833'	to	2131'
	inch from		to	
	inch from		to	bottom of hole

Cementing Record: 16" pipe cemented in to ground level - 10" pipe cemented into ground level

Well Test Data: Static Level 386'; pumping level ~~422~~ 339 after 72 hours pumping at ~~422~~ 339 g.p.m.

Length of test 72 hrs. See Well Test Data Sheet Dated 8/23/76

Remarks: The well was pumped by drill crew approximately 10 hours to clean. Pump test will be run by Ames crew.

SEE OTHER SIDE

LW-34

WELL LOG

Feet		Feet	Description
0	to	200'	Clay, sandy - some pebbles (drift)
200	to	215'	Broken lime shells, clay
215	to	235'	Yellow clay
235	to	297'	Dark grey till
297	to	311'	Fine to medium sand
311	to	332'	Dark grey till
332	to	340'	Fine to medium sand
340	to	440'	Dark grey till
440	to	445'	Dark grey till, lime shells
445	to	544'	Dark grey till, lime shell near bottom
544	to	1713'	Limestone - dolomite, few shale seams
1713	to	1742'	Sandstone
1742	to	1940'	Limestone dolomite cherty
1940	to	2015'	Sandstone
2015	to	2131'	Dolomite

6-24-76

Odebolt Jordan well

Talked with John Masters (Hayne-Western) They are presently at 419 ft. and in a hard drilling gray limestone. He was concerned due to an apparent discrepancy in section. He was anticipating about 450 ft of surface casing. I told him that our old drillers log indicated the top of Miss at about 550 ft. The well is reportedly located within 100' of the 1934 well. Masters says the 1934 well has been abandoned.