Iowa Department of Natural Resources Geological Survey Bureau
123 North Capitol St. Iowa City, Ia. 52242 PH (319) 335-1575

WELL RECORD

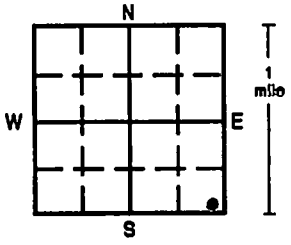
#34556

Site Identification

Property Owner West Liberty Oil Well Number 1
Address 102 East 4th Street, West Liberty, IA 52776
Tenant
Well Depth 400 ft. Date Completed NOV 24 93

Location

County Cedar
Well is ____ mi. N/S and ____ mi. E/W of intersection of ____ and ____
SE 1/4 of the SE 1/4 of the SE 1/4 of Sec 12 TWP 79 RNG 4 E/W
Show exact location of well in section grid with a dot (●).



Sketch Map of Well Location (Indicate North)

Formation Log

From	To	Color	Hardness	Description
0	3'	BRN	Soft	topsoil
3'	20'	YELL BRN	" "	clay
20'	60'	" "	firm	clay
60	66'	" "	" "	clay/sand (Pine)
66'	97'	Blue	" "	clay
97'	118'	Gray	hard	limestone
118'	121'	" "	" "	" "
121'	138'	Gray BRN	" "	" "
138'	140'	" "	soft	shale
140'	150'	" "	hard	limestone
150'	160'	WTE Gray	Semi hard	sandstone
160'	180'	"	hard	limestone
180'	200'	Gray BRN	" "	" "
200'	285'	Gray	hard	" "
285'	402'	WTE Gray	" "	

use second sheet if needed

Remarks (Topographic position, elevation, development, disinfection, water quality, etc.)

Well Use

☐ Domestic ☐ Municipal ☐ Industrial
☐ Livestock ☒ Public Supply ☐ Monitoring
☐ Test Well ☐ Irrigation ☐ Other

Measuring Point (MP)

All depth measurements are made from:
☒ Ground Level ☐ KB/other ____ ft. (above/below) ground level

Hole Size

12¼ inch from 0 ft. to 118 ft.
5⅞ inch from 118 ft. to ____ ft.
continued
____ inch from ____ ft. to ____ ft.
____ inch from ____ ft. to ____ ft.

Casing

(ID / OD)? Drive shoe? (yes / no) Pitless adaptor? (yes / no)

Size	Type / Wt.	Depth Top	Depth Bottom	Amount (length)
6"	STEEL 19 LBS	0	118	118

Perforated or Slotted Casing? (yes / no)

Perforated / Slotted from NO ft. to ____ ft.
Perforated / Slotted from NO ft. to ____ ft.

Casing Grouted? (yes / no)

☒ Neat Cement ☐ Bentonite ☐ other
from 0 ft. to 118 ft.
from ____ ft. to ____ ft.

Well Screen? (yes / no) NO

Diameter	Slot size	Depth Top	Depth Bottom	Amount	Type / Mfg.

Gravel packed? (yes / no) from NO ft. to ____ ft.
Bottom capped? (yes / no) with ____
Seals / Packers? (yes / no) kind ____ depth ____ ft.

Water Information

Main water supply zone from 118 ft. to 400 ft.
Supply zone rock type (sand/gravel, limestone, sandstone)
Final water head (static water level) 46 ft. (below / above) the MP
Pumping water level 71 ft. below MP at yield of 46 GPM
Water quality tested? (yes / no) Date tested ____ / ____ / ____
Tested by PAT LATTA
Parameters tested for:
Test results

Pump

Pump installed? (yes / no) Date NOV 24 93
Type of pump SUB Manufacturer's name REDA JACKET
Depth to intake 126 ft. Tail pipe? (yes / no) length ____ ft.
Pump diameter 4" inches Rated capacity 45 GPM

Contractor's name LATTA & SON Registration no. CD0078001
Address RR 1 BOX 80 RIVERSIDE IA
Driller's name JIM LATTA Drill method (rotary / cable) ROTARY

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

IOWA GEOLOGICAL SURVEY

123 North Capitol St.
Iowa City, Iowa 52242
Phone (319) 338-1173

#34556

NB Brooke Truck Stop WELL NO: 2 DATE TESTED 11-22-93

CATION West Liberty, Iowa TESTED BY Latta & Sons

ameter of Well 6" Pump Used: Driver

pth of Well 400' Column & Shaft

ngth of Airline 200' Bowls

n-Pumping Level 67 lbs Manufacturer

ifice Seze Water Meter Serial No.

Date / Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
8:00	1 min	60	46	5			started
8:01	1 min	65	46	49			
8:02	1 min	63		47			just turned on before starting test
8:03	1 min	62.5					
8:04	1 min	61.5	46	50			
8:10	5 mins	60					
8:15	5 min	60 lbs	46	51			
8:20	5 min	60	46	50			adjusted
8:25	5 min	60 1/2 lbs	46	50			
8:30	5 min	60 lbs	46	50			
835	5 min	60 lbs	46	50			
840	5 min	59	46	51 lbs			
845	5 min	59 lbs					
850	5 min	59	46				
855	5 min	59	46				
9.00	5 min (1 hour)	59	46				
9:15	15 min	59					

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#34556

OB Brooke Truckstop WELL NO. 2 DATE TESTED 11-22-93

CATION West Liberty Iowa TESTED BY Latta & Sons

ameter of Well 6" Pump Used: Driver 5 h.p Submersible pump

pth of Well 400' Column & Shaft

ngth of Airline 200 Bowls

n-Pumping Level Manufacturer

ifice Seze Water Meter used Serial No.

Date Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
9.30	15 min	59 lbs	46				
9.45	15 min	59 lb	46				
10.00	15 min 3hrs	59 lbs	46				
10.30	30 min	58 lbs	46				
11.00	30 min 3hrs	58 lbs	46				
11:30	30 min	57 lbs	46				
12.00	30 min 4hrs	57 lbs	46				
12.40	40 min	57 lbs	46				
1:20	40 10 min	57 lbs	46				
2:00	40 min	56 lbs	46				
2:40	40 m.in	56 lbs	46				
3:20	40 m.in	56 lbs	46				
4:00	40	56 lbs	46				
4:40	40	56 lbs	46				
5:20	40	56	46				
6:00	40	56	46				
6:40	40	56					

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#34556

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IB Brooke Truckstop WELL NO: 2 DATE TESTED 11-22-93

ICATION West Liberty Iowa TESTED BY Layne Son's

ameter of Well 6" Pump Used: Driver 5hp Submersible pump

pth of Well 400' Column & Shaft

ngth of Airline 200' Bowls

n-Pumping Level Manufacturer

ifice Seze Serial No.

Recovery

Date / Time	Time Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
801	1 min	64 lbs					
802	1 Min	65 lbs					
803	1 Min	66 lbs					
804	1 Min	66.5					
805	1 Min	67					
810	5 min	67					
815	5 min	67					
820	5 min	67					
825	5 min	67					
8.30	5 min	67					
	5 min						
	5 min						
	5 min						
	5 min						
	5 min						
	5 min						
	5 min						
	15						

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#34556

)B Brooke Truck Stop WELL NO: 2 DATE TESTED 11-22-93

'CATION West Liberty Iowa TESTED BY LAHA & Sons

ameter of Well 6" Pump Used: Driver 5 hp - Submersible pump

pth of Well 400 Column & Shaft

ngth of Airline 200 Bowls

n-Pumping Level Manufacturer

ifice Seze water meter Serial No.

Date / Time	Time / Accumulative	Piezometer Reading	G.P.M.	Air Gauge Reading (ft.)	P.W.L. (feet)	Drawdown (feet)	Remarks
7:20	40	56 lbs					
8:00	40	56					Shut down
							6-Hrs Stabil 2,