Well No. #1

Project L P

Location DEERLODGE

Engineer

Installed By OKEEFE DRILLING

Date 6/20/02

Method of Installation Hollow STEM AUGERS

LOG OF BORING AND WELL

BORING

Depth In ft.	Description	H. Nu Reading
	3.5-4.5. FINE SANDS MED SANDS WITH ¼ TO 2" GRAVEL	
	BIGGER GRAVEL 8' ¾ TO 4"	
	8.8 TO 10.8 MED SAND WITH ½" TO 2" GRAVEL	
	13.8 TO 15.8 MOSTLY FINE TO MED SAND WITH SOME ¼" TO ½" GRAVEL	20.4
	18.8 TO 20.8 MOIST SILTS AND FINE SAND	
	WET FINE SAND WITH SILT 23.8 - 25.8	
	28.8 - 30.8 MED TO COURSE SAND	

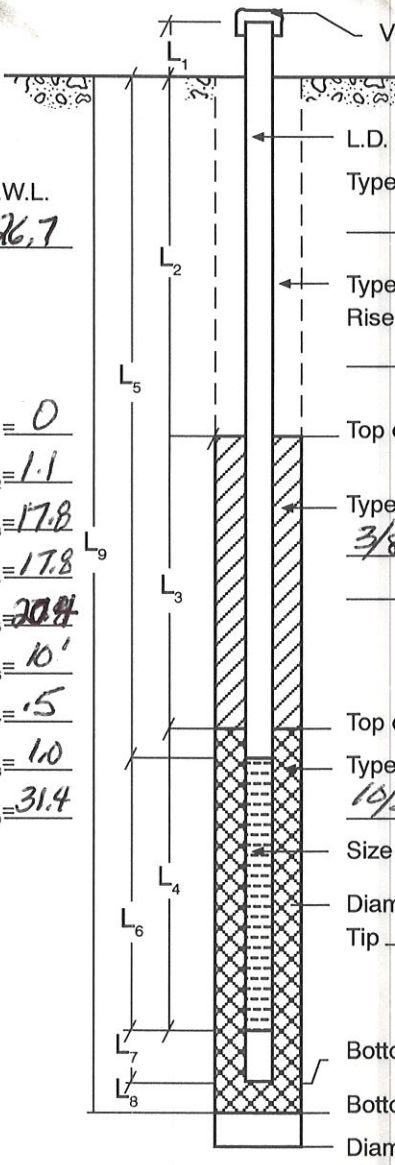
OBSERVATION WELL INFORMATION

Type of WELL Monitor Well

Ground Elev.

Top of Riser Elev. 8X12

Vented Cap FLUSH MOUNT



S.W.L. 26.7

L_1 = 0
L_2 = 1.1
L_3 = 17.8
L_4 = 17.8
L_5 = ~~20.4~~
L_6 = 10'
L_7 = .5
L_8 = 1.0
L_9 = 31.4

L.D. of Riser Pipe

Type of Pipe 2" PVC

Type of Backfill Around Riser 3/8 HOLE PLUG

Top of Seal Elev. 1.1 BGS

Type of Seal Material 3/8 HOLE PLUG

Top of Filter Elev. 17.8 BGS

Type of Filter Material 10/20 SAND

Size of Openings 0.020

Diameter of Screened Tip 2"

Bottom of Well Elev. 30.4

Bottom of Boring Elev. 31.4

Diameter of Boring 8¼"

Remarks ~~Northwest~~ Southwest of Flygerjoint Bldg 90

L-1 Flush MT/Well Protector
L-2 Surface to Bentonite Seal
L-3 Bentonite Seal
L-4 Filter Pack
L-5 Surface to Top of Screen
L-6 Screen
L-7 Sump
L8 Rat Hole
L-9 Total Depth

Prepared by Dave Crowley #269

THUR

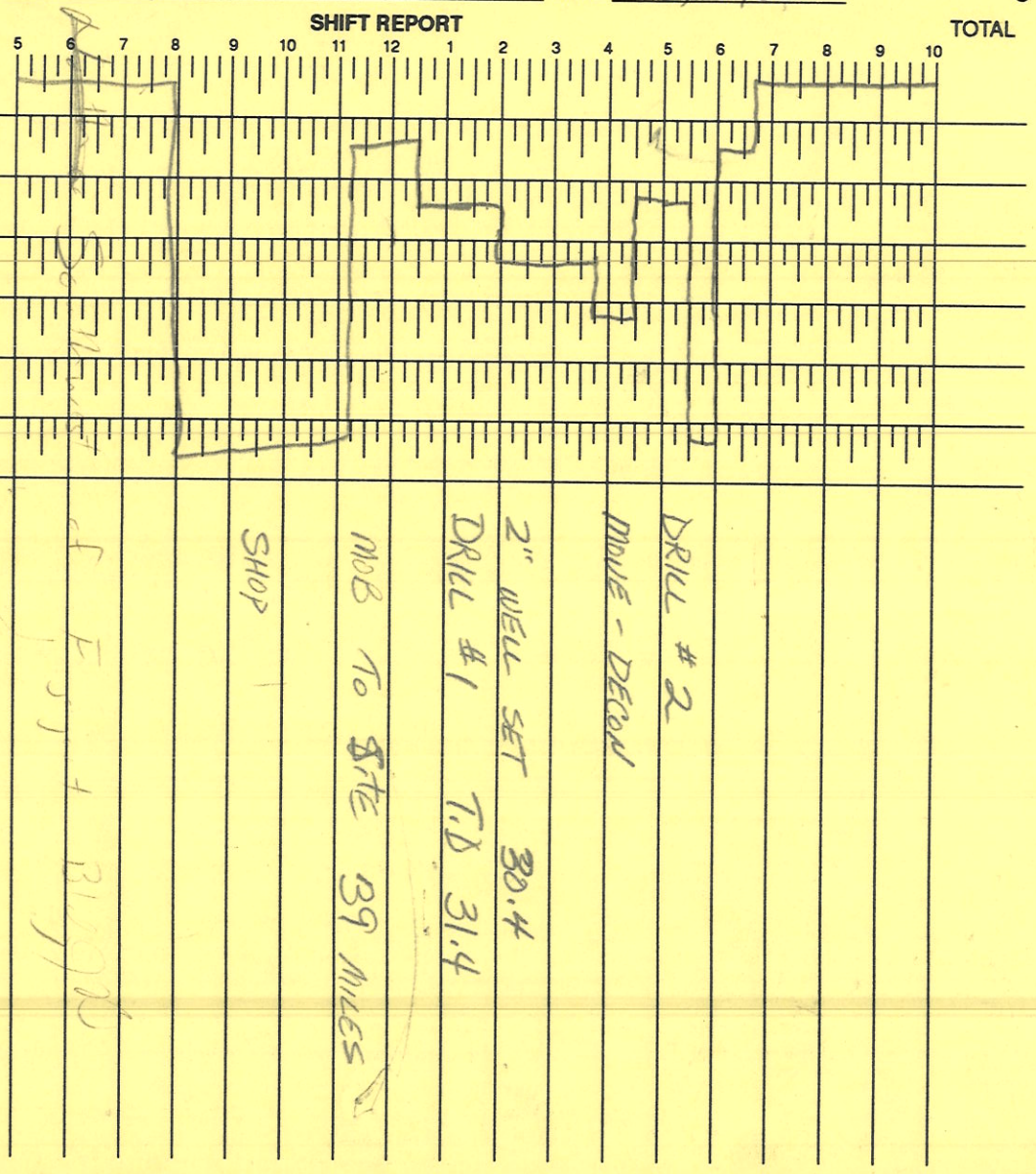
O'KEEFE DRILLING

CLIENT Louisiana - Pacific ENGINEER Jeff Bridges

PROJECT Lumber Mill DATE 6/20/02

S M T W T F S

SHIFT REPORT TOTAL



MATERIALS:

Steel Casing Size			Feet
PVC Riser Size			Joints
PVC Riser	2" x 10'	2	Joints
Sreen Size			Joints
Screen Size	2" x 10' 020	1	Joints
Centralizers			Each
~~Top Cap~~ Bottom Cap	2"	1	Each
Locking PVC Cap	2"	1	Each
Casing w/Locking Cap			Each
Flushmount	8x12	1	Each
Premix Cement			Bags
Portland Cement			Bags
Bentonite Chips		8	Bags
Bentonite Grout			Bags
Sand 50# or 100#		10	Bags
Other			

EQUIPMENT USAGE:

Rig #	B-61 #200
Pump Truck	
Steam Cleaner	✓
Generator	
Air Compressor	
Water Pumps	

OTHER:

Mobilization Miles	44 To DRILL SITE
Per Diem-Meals	
Motel	
Daily Crew Travel Miles	
Formation Charge	
Other	

Driller DAVE CROWLEY Client Approval

Helpers MIKE