

ODW-1

SAMPLE NO.	DEPTH		THICKNESS
	From	To	
10/23/89	0	2	
	2	11	
	11	15	
	15	21	
	21	26	
	26	28	
	28	30	
	30	33	
	33	36	
	36	41	
	41	46	
	46	65	Boulder at 64
	65	74	
	74	77	
	77	80	
	80	100	Boulder - 89

OVER

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
TOP SOIL + FILL (LOESS)
YELLOW-TAN + YELLOW-BL SILTY CLAY (LOESS)
YELLOW-BL + (BL OR GR) SILTY CLAY (LOESS)
GRAY + YELLOW-GRAY WITH BL OR LOESS (LOESS)
BL-GRAY SILTY CLAY
BL-GRAY CLAY TO GRAY
GRAY TO OLIVE-GRAY CLAY
AS ABOVE SOME SAND GRAINS
YELLOW-GRAY + GRAY CLAY SOME SANDY
BL + YELLOW-BL TILL OR SANDY CLAY
SANDY GRAY BL + YELLOW-BL
YELLOW-BL TILL
YELLOW-TAN + YELLOW-BL TILL
GRAY + YELLOW-TAN, YELLOW-GRAY TILL
BL-GRAY + YELLOW-GRAY TILL
BL-GRAY TILL

OVER

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
10/24/89	100	106	Boulder #136
	106	110	
	110	130	Boulder 136
	130	135	
	135	137	
	137	142	
	142	150	
	150	171	
	171	172	
	172	174	
REAMED HOLE 7 3/8" TO 174';			
RUN 5 SACK CEMENT; SAND CEMENTING; TROUBLE CEMENTING PIPE; PIPE			
HUNG UP AT 164'; BOTTOM OF 6" AT 164'			
10/30/89	174	178	ROCK AT
	178	188	CORE
	188	198	CORE
10/31/89	198	208	CORE

DESCRIPTION OF BEDS
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.
BL-gray till (THIN SAND GRAVEL LAYERS) wood
BL-gray till VERY SANDY + gravelly
BL-gray till (THIN SAND GRAVEL LAYERS) wood
BL-gray till VERY SANDY + gravelly
BL-gray till SAND + GRAVEL (GLAY) wood
BL-gray till SAND + GRAVEL (SAND GRAVEL LAYERS)
BL-gray till SAND + GRAVEL
SANDY + GRAVELY till (JUNKY) Boulders
VERY SANDY + GRAVELY JUNKY till
LIGHT GRAY L.S. BROWN
BL + TAN L.S.
SET 6" P.E. STEEL PIPE TO 174'
AT 164'
DRILLED 5" HOLE L.S. BL + TAN
L.S. BROWN + TAN TO GRAY + TAN
GRAY + BL L.S.
" " " " " "

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	208	218	COLE
	218	228	COLE
	228	238	COLE
	238	248	COLE
	248	258	COLE
	258	268	COLE
	268	278	COLE
	278	288	COLE
	288	298	COLE
	298	307	COLE
11/1/89	307	313	COLE
	313	317	COLE
	317	327	COLE
	PULLED TOI + NEW CASINGS		

OVER

#30000

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
GRAY ^{+ TAN} FINE GRAINED L.S.	
GRAY - TAN L.S.	
Br - TAN + GRAY L.S.	
Br + TAN L.S.	
" " SHALEY AT BASE	
Br + GRAY L.S. SOME SHALEY	
DRY TAN L.S. BRICK AT TOP	
DRY + TAN L.S. LAYERS OR COARSE GRAINED AT TOP	
COARSE GRAINED Dol. BR. SOME CRUMBLY + CRACKED	
" " Dol. BR. CRUMBLY + BROKEN	
L.S. AT TOP SHALEY + DOL. Mid + BASE	
VERY HARD CHEST 307-310	
" " " "	
COARSE GRAIN Dol. WITH GRAY-GREEN SLATE NEAR TOP	
COARSE GRAIN Dol. + THIN SHALE STRIPS	
BEARING HOLE 6" FROM 155' TO 181'	

OVER

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
11/6/89	REAMING CORE HOLE TO		
11/7/89	REAMING CORE HOLE TO		
	HAVING A LOT OF TROUBLE WITH		
	STILL CAVING; CLEANED HOLE		
11/8/89	THINER MUD; CLEANED HOLE		
	SOMEWHAT STABLE; PULLED		
	PIPE TO 319' RUN		
	TIME; PULLED TUBING +		
	5" RT TO AUGER		
11/13/89	RT TO DAY DATE; TOOK		
	PISTON IN MUD PUMP;		
	SET UP RIG		
12/5/89	MOVED RIG BACK OVER		
	CEMENT + CORE HOLE TO		
	OVER		

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
6" FROM 181 TO 261'	
6" FROM 261 TO 319'	
HOLE CAVING; MUDDLED HOLE;	
SEVERAL TIMES;	
THINER MUD; CLEANED HOLE SEVERAL TIMES; HOLE	
TOWNS + SET 5" OF BLEND	
6 SACK CEMENT THROUGH 1 1/2"	
PRESSURE CEMENT FROM TOP OF	
DOWN RIG; REPAIRED LINERS; BOLT +	
TOWNS RIG TO BEST STOP T-380	
HOLE (ODW-1) REAMED OUT	
327';	
OVER	

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
	327	332	COLE
	332	337	COLE
12/6/89	337	339	COLE
	339	342.5	COLE
	342.5	351.5	COLE
	351.5	355.5	COLE
	355	361.5	COLE
12/7/89	LOARLEP	4" + NW	CASING
12/11	AT VINE HOUSE CHEROKEE		
	BONE YARD		
12/12	"	"	
12/13	"	"	
12/14	"	"	
12/18	DRIVE TO I.C.		AT
12/19	"		
12/20 + 21	AT CHEROKEE + AURELIA		

DESCRIPTION OF BEDS	
KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.	
TAN + gray Dol	
TAN + gray Dol	CRUMBLY + LAMINAR SHARP INTERBEDDED
"	"
Gray-green siliceous sand	CRUMBLY Dol. N.S. in stone
"	"
"	"
Dol. TAN	
AT CHEROKEE	
CLEARING	HW + NW CASING FROM
"	" + Building SHELVING
"	"
DRY DIRT + I.C. OFFICES	

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SAMPLE NO.	DEPTH		THICKNESS
	From	To	
12/26/89	DROVE TO	DARK DARK	RE-AMM
51.5 OF	4" PE	BLACK PIPE	
USED	3 SACS	QUICK SET	
12/27/89	CLEANED OUT	HOLE	+
	361.5	371.5	COLE
	371.5	381.5	"
	381.5	391.5	"
	391.5	401.5	"
	401.5	411.5	"
	411.5	421.5	"
	421.5	431.5	
	431.5	441.5	
	441.5	451.5	
	451.5	461.5	
	461.5	471.5	
1/2/90	471.5	481.5	
	481.5	491.5	

OVER

DESCRIPTION OF BEDS

KIND OF ROCK, COLOR, HARD OR SOFT, WATER, ETC.

HOLE FROM 319' TO 361.5' SET

LINER SET 361.5 TO 310'

BULK CORE TUBING

LIGHT COLORED DOL. COARSE GRAINED
VERY VUGGY + BROKEN

TRACE OF SHALE AT BASE

TRACE OF SHALE

LIGHT COLORED DOL. COARSE GRAINED

CHEST IN MID.

LIGHT COLORED DOL. COARSE GRAINED

SOME CHEST

LIGHT COLORED DOL. COARSE GRAINED
TRACE OF GRAY-GREEN

OVER

FOR FIGURING, CASING TALLY, ETC.

FOR FIGURING, CASING TALLY, ETC.

491.5 501.5

501.5 511.5

511.5 518

518 522

522 532.5 T.D.

1/2/90 REAMED CORE HOLE 3 3/8" TO

1/16/90 W.L. = 228' FROM GROUND LEVEL

SOME GRAY - GREEN (CHEAT) LESS VUGGY
DOL. LIGHT COLORED COARSE GRAVEL

" " " CHEAT

" " "

P17 AT TOP OF DOG. SILTY
GRAY - GREEN SHAIR

" " SILTY

532' T.O.

ALL LIFTED 2 HRS. (CHEAT)
APP. 40 G.P.M.