

CITY OF RAPID CITY CONSTRUCTION CHANGE ORDER # 1

WATER WELL NO. 12

PROJECT NO. W02-1156

MARCH 23, 2002

ORIGINAL CONTRACT AMOUNT: \$ 236,303.00

CONTRACTOR: WATER SYSTEM DRILLING INC.

LINE ITEM	DESCRIPTION	UNIT	CURRENT CONTRACT QUANTITY	UNIT PRICE	EXTENDED PRICE	ADJUSTED QUANTITY	ADJUSTED PRICE	NET CHANGE
1	DRILLING 22" BOREHOLE	LF	20	\$125.00	\$2,500.00	32	\$4,000.00	\$1,500.00
2	FURNISHING AND SETTING 18-5/8" DIAMETER 78.5# CASING	LF	20	\$50.00	\$1,000.00	32	\$1,600.00	\$600.00
3	DRILLING 17-1/2" BOREHOLE	LF	910	\$67.50	\$61,425.00	904	\$61,020.00	(\$405.00)
4	FURNISHING AND SETTING 13-3/8" DIAMETER 54.7# CASING	LF	932	\$29.00	\$27,028.00	936	\$27,144.00	\$116.00
5	DRILLING 12-1/4" BOREHOLE	LF	400	\$50.00	\$20,000.00	391	\$19,550.00	(\$450.00)
6	94# BAGS OF CEMENT USED FOR GROUTING 18" CASING	BAG	40	\$50.00	\$2,000.00	65	\$3,250.00	\$1,250.00
7	94# BAGS OF CEMENT USED FOR GROUTING 13" CASING	BAG	750	\$25.00	\$18,750.00	750	\$18,750.00	\$0.00
8	TEST PUMPING	HOUR	12	\$400.00	\$4,800.00	12	\$4,800.00	\$0.00
9	MISCELLANEOUS AND INCIDENTAL WORK	L.S.	1	\$25,000.00	\$25,000.00	1	\$25,000.00	\$0.00
10	MOBILIZATION	L.S.	1	\$15,000.00	\$15,000.00	1	\$15,000.00	\$0.00
	ADD ALTERNATE NO. 1 - WELL							
1.1	GAMMA RAY - NEUTRON LOG	L.S.	1	\$1,200.00	\$1,200.00	1	\$1,200.00	\$0.00
1.2	S.P. RESISTIVITY LOG	L.S.	1	\$1,200.00	\$1,200.00	1	\$1,200.00	\$0.00
1.3	BOND LOG	L.S.	1	\$1,700.00	\$1,700.00	1	\$1,700.00	\$0.00
1.4	CALIPER LOG	L.S.	1	\$3,000.00	\$3,000.00	1	\$3,000.00	\$0.00
1.5	DRILLING RIG STANDBY TIME	HOUR	12	\$200.00	\$2,400.00	12	\$2,400.00	\$0.00
	ADD ALTERNATE NO. 2 -							
2.1	MOBILIZATION AND SETUP	L.S.	1	\$2,500.00	\$2,500.00	1	\$2,500.00	\$0.00
2.2	HYDROCHLORIC ACID TREATMENT	GAL	12,000	\$3.25	\$39,000.00	12,000	\$39,000.00	\$0.00
2.3	DRILLING RIG STANDBY TIME	HOUR	24	\$200.00	\$4,800.00	24	\$4,800.00	\$0.00
2.4	PACKER RENTAL FOR SEALING BOREHOLE	L.S.	1	\$3,000.00	\$3,000.00	1	\$3,000.00	\$0.00
	TOTAL BASE PLUS ALT. 1 & ALT. 2				\$236,303.00		\$238,914.00	\$2,611.00
	CHANGE ORDER #1							
3.1	ADD 126 FT. OF 13 3/8" BY 10 3/4" LINER INCLUDING SETTING TOOL, 40.50 # J-55 LINER CASING, 2 STEEL CEMENT BASKETS FOR SHALE TRAPS AT BOTTOM OF LINER, COMPLETE WITH ALL INSTALLATION.	L.S.	0	\$23,780.00	\$0.00	1	\$23,780.00	\$23,780.00
TOTAL					\$236,303.00		\$262,694.00	\$26,391.00

C.C.O. HISTORY INCREASE/(DECREASE)		PRIOR ADJUSTED CONTRACT PRICE :	\$236,303.00
CCO #1	\$26,391.00	NET INCREASE/(DECREASE):	\$26,391.00
CCO #2			
CCO #3		ADJUSTED CONTRACT PRICE:	\$262,694.00
PRIOR TOTAL =	\$26,391.00	CHANGE TO DATE:	\$26,391.00

CONTRACTOR: <u>WATER SYSTEM DRILLING INC. (by)</u>	DATE: _____
ENGINEER: <u>PHIL NICHOLS ASSOCIATES (by)</u>	DATE: _____
MAYOR: _____	DATE: _____
FINANCE: _____	DATE: _____
CONTRACT TIME CHANGE +/-: 0	NEW CONTRACT TIME: _____ Days

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ITEM	DESCRIPTION	REASON FOR CHANGE
1	DRILLING 22" BOREHOLE	ACTUAL QUANTITY MORE THAN ESTIMATED
2	78.5# CASING	ACTUAL QUANTITY MORE THAN ESTIMATED
3	DRILLING 17-1/2" BOREHOLE	ACTUAL QUANTITY LESS THAN ESTIMATED
4	CASING	ACTUAL QUANTITY MORE THAN ESTIMATED
5	DRILLING 12-1/4" BOREHOLE	ACTUAL QUANTITY LESS THAN ESTIMATED
	ADD ALTERNATE NO. 2 - ACIDIZATION	
2.1	MOBILIZATION AND SETUP	NEED FOR WELL ACIDIZATION TO BE DETERMINED
2.2	HYDROCHLORIC ACID TREATMENT	NEED FOR WELL ACIDIZATION TO BE DETERMINED
2.3	DRILLING RIG STANDBY TIME	NEED FOR WELL ACIDIZATION TO BE DETERMINED
2.4	PACKER RENTAL FOR SEALING BOREHOLE	NEED FOR WELL ACIDIZATION TO BE DETERMINED
3.1	ADD 126 FT. OF 13 3/8" BY 10 3/4" LINER	ENCOUNTERED RUBBLE LAYER AND POTENTIAL CLAY/SHALE NEAR TOP OF MADISON FORMATION. LINE
	INCLUDING SETTING TOOL, 40.50 # J-55	INSTALLED TO REDUCE POSSIBILITY OF RUBBLE OR CLAY/SHALE FROM ENTERING WELL.
	LINER CASING, 2 STEEL CEMENT BASKETS	
	FOR SHALE TRAPS AT BOTTOM OF LINER,	
	COMPLETE WITH ALL INSTALLATION.	

PREPARED BY: _____

DATE: _____