# MINUTES OF A SPECIAL COUNCIL MEETING HELD IN THE COUNCIL CHAMBERS JANUARY 12, 2000

The meeting was called to order at 7:05 P.M. by Mayor Keith Broadhead. Council members attending: Kirk Greenhalgh, LaDue Scovill, Marilyn Clayson, Walt Callaway, and Frank Staheli.

Others present: City Manager Tom Austin, City Engineer Dave Lund, and Planning Commission Chairperson Filip Askerlund.

#### TEST WELL BID

City Engineer Lund reviewed the 2 bids received for the drilling of a test water well (see attachments "A").

Council member Staheli moved to award the bid for drilling Test Well #2 to Tri-State Drilling, Inc. contingent upon obtaining the proper right-of-ways and award the bid for drilling Test Well #1 to Tri-State Drilling, Inc. contingent upon needed land acquisition. Council member Greenhalgh seconded the motion with an unanimous vote.

#### ADJOURNMENT

Council member Scovill moved to adjourn with a second from Council member Callaway and an unanimous vote.

Approved on January 19, 2000.

Keith Broadhead, Mayor

Susan B. Farnsworth, Recorder

FILLMORE, UT MESA, AZ AFTON WY PRESCOTT VALLEY, AZ WASHINGTON LIT BULLHEAD CITY, AZ

January 12, 2000

To:

Mayor Broadhead

City of Santaquin

From: Chris Glascock

Sunrise Engineering, Inc.

Mayor Broadhead:

Sunrise Engineering prepared and submitted bid packages, for the City of Santaquin Test Wells 1 and 2, to four well drilling companies:

- 1. Scoffield Drilling
- 2. Zimmerman Well Service
- 3. Tri-State Drilling
- 4. **Bud Weber Drilling**

All four drilling companies were contacted and afforded the opportunity to visit the proposed sites on January 6, 2000. Zimmerman was the only company that requested and accomplished the site visit.

The bid packages had to be completed and returned to the Engineer by 5:00 PM on January 7, 2000. Tri-State Drilling and Zimmerman Well Service were the only responsive bidders. A Bid Tabulation Sheet (see attached) has been prepared, by the Engineer for bid comparison.

The Engineers review and comments of the respective bids are as follows:

- Tri-State is the only bidder that was responsive to all items on the bid package. Zimmerman's bid shows that for Item 2, Zimmerman wanted to use cost plus 10%.
- 2. Tri-State is the low bidder by approximately 33%.
- Tri-State appears to be high on the price for setting the pump for the water 3. tests (Item 7), and Sunrise feels that negotiations for a decrease in the indicated costs by \$1,000.00 to \$1,500.00 are justified.
- 4. Tri-State has committed to begin work 3 weeks earlier than Zimmerman, which shows them completing before Zimmerman could start.

Tri-State Drilling is currently installing a well for Manila, Utah with Sunrise, Engineering. Their previous work has been satisfactory and their personnel responsive to our requests.

Councie meeting Attachment "A" pg 2 1-12-00

It is for the above specified reasons that Sunrise Engineering feels that after negotiations with Tri-State, pertaining to the costs to set the pump, a contract be awarded to Tri-State for the drilling of the City of Santaquin Test Well 1.

If you have any questions or comments, please do not hesitate to contact me at (435) 743-6151.

Respectfully,

F.V. Chris Glascock

Sunrise Engineering

Cc: Dave Lund

# Attachment "A" 1-12. BID SCHEDULE TEST WELL 1

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ATTACHMENT "A"

### CONTRACT FOR: CITY OF SANTAQUIN - DRILLING AND TESTING OF A TEST WELL

The undersigned Bidder, having examined the site and determined the scope of the Work, hereby proposes to perform the work described herein for the following unit prices or lump sum amounts.

	made occarding to dee unit price and totals will be re-	ade, and prices the	onvecione	nd corrections will	ba	
	item	Quantity	Unit	Unit Price		ed.
					Amount	
2	Clear, Grub & Site Parth Work		L.S.	3,500 %		1
3	(3) Mud Rotor Drill and Log (6") Test Bore Hole	700	L.S.	3.000 es	2,000 80	
4	TOO DALY BACKET VY CALL THE		-	. 50 %	14,000 00	
5	(4)Install PVC Casing (6 <sup>th</sup> )	1 100	Ea.	3,000 2	3,000 99	1
6	Install Annular Seal Geolate Surface Amic	100	Ln.Ft.	20 20	7,000 00	1
7	Set Pump (50 ft. from bottom of well)	2 1	L.S.	750 90	750 00	1
8	Aquifix Water Sampling	6501	Lu.Ft.	8 8	8 92	8x650= 5,20
9	Aquifor Pump Test (Step Draw-Down)	2	Ea	200 sa	4000	0030
10	Aquifer Pump Test (Constant Rate)	8	Hr.	1100	880 5	
11	III Kan Ten Weil	24	Hr.	1100	2640 00	
12	(1) Abandan Test Well & Reclaim Site		L.S.	1000	10000	198
13	(2) Capture, Transport & Dispose of Drill	1 1	L.S.	3,5000	3500 00	
	Cuttings	1 1	L.S.		2000	
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017	L.			and the later of t	93,778-00	
The	proves inadequate for the Owner, the Contractor one of the two line items (Line Item 12 or Line Item Contractor shall have the drill cuttings to a line item quantity indicated is a not to preced account to the	en 13) will be	paid.		ar are are.	BANDON \$ 38,870
Thin Anti- und other	cent for this item is based on actual quantity at the is an estimated quantity, actual quantity is to be cipated start work date 2// 00 and consigned Bidder certifies that this proposal is mad a person or persons bidding on the work.	out writen and appearing	price. to unit pr	i from the Engi ice indicated		,
Thin Anti- und other	ent for this item is based on actual quantity at the is an estimated quantity, actual quantity is to be cipated start work date 2/1/00 and course Bible testifies that this property is	out writen and appearing	botization price. to unit product date ork date , without	i from the Engineer ice indicated.  2015 o collusion or co		•
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aym Thin Anti- und othe	cent for this item is based on actual quantity at the is an estimated quantity, actual quantity is to be cipated start work date 2/1/00 and consigned Bibler certifies that this proposal is made person or persons bidding on the work.  if bid is by Corporation)	our written and opocified unit of attacking the factor of we can good take Respectfully Bidder: IR	butization price. to unit procedure without	ice indicated  2015 o coullusion or co		

Page 3/4

page

## Attachment "A" 1-12 BID SCHEDULE TEST WELL 2 1-12-00

ATTACHMENT "A"

### CONTRACT FOR: CITY OF SANTAQUIN - DRILLING AND TESTING OF A TEST WELL

The undersigned Bidder, having examined the site and determined the

Note:	1. Blds shall be linds usles not and all other applicable to 2. All this wholl be checked for every If every are made made according to the unit price and made will be a fire only and made according to the unit price and made will be a minuted.	over and fore		TOTAL		7
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No.	Non	DU COM AL THORY	Tourse	The second second second		- -
1	Mobilization	Quantity	Unit	Unit Price	Amount	
2	Clear, Grub & Sile Forth Work	1	L.S.	2,000 00	2,000 00	-
3	(3) Mud Rotor Dall and Log (6") Ters Born	700	LS	2,500 €	2,000 00	
4	1-2010	1 .00	Ln.Ft.	1 1	1	1
5	Geophysical Well Log	1	En.	2000	14,000 20	
6	(4)Install PVC Casing (6")	100	Ln.Ft.	\$ 000 a	3,000 00	]
7	Install Annular Seal (Isolate Surface Aquifer)	1	L.S.	54.6D	2,00000	
8	Sct Pump (50 ft. from bottom of well)	6501	Lo.Ft.	7500	750 00	
9	Aquifer Water Sampling	2	Ea	20000	8'00	5,200
10	Aquifer Pump Test (Step Draw-Down)	8	Hr.	110 00	400 00	
11	Aquifer Pump Test (Constant Rate) (1)Cap Test Well	24	Hr.	11000	580 05	
12	(1) Abandon Test Well & Reclaim Site	1	L.S.	1000	2640 ºº	
13	(2)Capture, Transport & Dispose of Drill		L.S.	3,5000	3500 €	
1972	Cuttings	1	L.S.		2000	
TOTAL				1,0000	1 000 00	
2)The Co 3)The quantum Payment 4) This is 5) Anticip he unders	test wall provides desired water quality and quant oves inadequate for the Owner, the Contractor shate of the two line items (Line Item 12 or Line Item sutractor shall hand the drill cuttings to a land fill cartity indicated is a not to exceed amount without the for this item is based on actual quantity at the span estimated quantity, actual quantity is to be painted start work date 2/15/00000000000000000000000000000000000	13) will be lesignated t t written ar recified unit d according	paid. by the Own thorization price. to unit pr	all cap the test of Vell and Reclaim ner/Engineer. In from the Engineer ice indicated.	ncer.	BAUDON 37, 330,0
cal (if)	oid is by Corporation)					
	R	espectfully	Submitted	<b>t</b>		
	1	Bidder: I	2. S	TATE DR	MAR TI	Ve.
cense No.	710 Sig	malure -		C. F	, l	59
ite:	1-6-00	Title: -	resto	1		
	A	ldress:	10 0	1. 475	No. Cree	cte

# Attachment "A" 1-12-00

### BID SCHEDULE TEST WELL 1

#### ATTACHMENT "A"

### CONTRACT FOR: CITY OF SANTAQUIN - DRILLING AND TESTING OF A TEST WELL

The undersigned Bidder, having examined the site and determined the

Note:	A to perform the work described herein for the foll.  1. Bids shall include sales for and all other applicable me  2. All bids shall be sheeked for errors. If errors are made, made according to the unit price and totals will be revised.	es and fees unit prices she	U savera es			]
No.	llem	Quently	Unit	Unit Price	Amount	7
1	Mobilization	1-1	L.S.	-		1
2	Clear, Grub & Site Earth Work	1	L.S.	4500.00		* 000 f
3	(3) Mud Rotor Drill and Log (6") Test Bore	700	Ln.Ft.	Cost + 10	% ×	2,000 f
	Hole			30.00	21000.00	الما الما
5	Geophysical Well Log	1	Ea	2990.00	2990.00	1
-	(4)Install PVC Casing (6")	100	Ln.Ft.	51.00	5100.00	1
6	Install Annular Scal (Isolate Surface Aquifer)	1	L.S.	750.00	750-00	1
7	Set Pump (50 ft. from bottom of well)	1	Ln.Ft.	5,50	3575.00	1
8	Aguifer Water Sampling	2	Ba.	450,00	900.00	1
9	Aquifer Pump Test (Stop Draw-Down)	8	Hr.	125,00	1000.00	
10	Aquifer Pump Test (Constant Rate)	24	Hr.	125.00	3000.00	
11	(1)Cup Test Well	1	L.S.	100.00	100,00	
12	(1) Abandon Test Well & Reclaim Site	1	L.S.	5500.00	5500.00	
13	(2)Capture, Transport & Dispose of Drill	1	L.S.	2200.00	2200.00	
	Cuttings			2500.00	2500.00	
TOTAL	Does Not inclu	ude Item	1 #2	***************************************	\$ 59455.00	1 4 =
Oilly UL	Does Not inclu  test well provides desired water quality and quan noves inadequate for the Owner, the Contractor sh the of the two line items (Line Item 12 or Line Item outractor shall haul the drill cuttings to a land fill	n 13) will b	e naid.		well. If the test	CAP 7 4 1

Payment for this item is based on actual quantity at the specified unit price.

(4) This is an estimated quantity, actual quantity is to be paid according to unit price indicated.

(5) Anticipated start work date 2/22/2000 and completion of work date 3/10/2000 The undersigned Bidder certifies that this proposal is made in good faith, without collusion or connection with

my other person or persons bidding on the work.

Seal	(if bid is by Corporation)	
		Respectfully Submitted:
		Bidder: Mike Zimmerman Well Service, LC
		Signature Mike Zemuleman
Licons	c No. 527	Title: Manager
Date:	1-5-2000	Address: 7888 West 2100 South
		Magna, Utah 84044

Bid Test Well 1 Santaquin.XLS

Councie meeting Attachment "A" 1-12-00 pg/a

### BID SCHEDULE TEST WELL 2

#### ATTACHMENT "A"

# CONTRACT FOR: CITY OF SANTAQUIN - DRILLING AND TESTING OF A TEST WELL.

The undersigned Bidder, having examined the site and determined the scope of the Work, hereby proposes to perform the work described herein for the following unit prices as lump sum amounts.

Destinat	made according to the unit price and totals will be revised.	NA COLUMNICATION OF THE PARTY O				J -
<b>Vo.</b>	Ham	Quantily	Unit	Unit Price	Annual	1
1	Modification	1	1.5		Amount	
2	Clear, Grub & Site Earth Work	-	L.S.	4500.00	4500.00	]*
3	(3) Mud Rotor Drill and Log (6") Test Bore	700	L.S.	Cost + 1	D% *	12000
	Hole	700	Ln.Ft.			for compo
4	Geophysical Well Log			30.00	21000.00	,
3	(4)Install PVC Casing (6")	1	Ea	2990.00	2990.00	1
5	Install Annular Seal (Isolate Surface Aquifer)	100	Ln.Ft.	51.00	5100.00	1
7	Set Pump (50 ft. from bottom of well)	1	L.S.	750.00	750.00	
	Aquifer Water Sampling	1	Ln.Ft.	5,50	3575.00	
	Aquifer Pump Test (Step Draw-Down)	2	Ea	450.00	900-00	
)	Aquifer Pump Test (Constant Rate)	8	Hr.	125.00	1000-00	
l	(1)Cap Test Well	24	Hr.	125.00	3000,00	
2	(1) Ahandon Test Well & Reclaim Site		L.S.	100.00	100.00	
1	(2) Capture, Transport & Dispose of Drill	1	L.S.	5500.00	5500,00	
	Cuttings	1	L.g.			
AL	Canada		- 1	2500.00	2500.00	

(1) If the test well provides desired water quality and quantity, the Contractor shall cap the test well. If the test CAP \$ 47, 415 well proven inadequate for the Owner, the Contractor shall Abandon the Test Well and Reclaim the site ABANDON \$ 52,815

(2) The Contractor shall haul the drill cuttings to a land fill designated by the Owner/Engineer.

(3) The quantity indicated is a not to exceed amount without written authorization from the Engineer.

Payment for this item is based on actual quantity at the specified unit price.

(4) This is an estimated quantity, actual quantity is to be paid according to unit price indicated.

(5) Anticipated start work date 2/22/2000 and completion of work date 3/10/2000.

The undersigned Bidder certifies that this proposal is made in good faith, without collusion or connection with any other persons or persons bidding on the work.

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License No.

Date:

Respectfully Submitted:

Bidder: Mike Zimmerman Well Service, IC

Signature Mike Zimmerman Well Service, IC

Signature Manager

Title: Manager

Address: 7888 West 2100 South

Magna, Utah 84044

Bid Test Well 2 Santaquin.XLS

527

1-5-2000

#### Zimmerman Well Service, inc.

Waterwells • Residential, Commercial, Industrial • Pump Installation and Service •
 7888 West 2400 South • Magna, Utah 84044 • 250-1400 • FAX 250-1047

January 7, 2000

Chris Glascock Sunrise Engineering, Inc. 25 East 500 North Fillmore, Utah 84631

Via Facs: 435-743-7900

RE:

Mike Zimmerman Well Service, LC Proposals on Drilling Options

Dear Chris:

Mike Zimmerman Well Service, LC, appreciates the opportunity to quote our services on your project. Below are two drilling options that might be considered.

OPTION A

Air Rotary with Casing Hammer

Drill and Drive 6" Casing to Bedrock

DESCRIPTION	UNIT	UNIT PRICE
1. Drilling	LF	\$26.00
2. 6" Casing	LF	\$6.00
3. 6" Drive Shoe (Note: This shoe is designed for overburden drilling system)	EA	\$450.00
4. Drill 6" Air Rotary to T.D.	LF	\$6.00

OPTION B

Drill and Drive 8" Casing to Bedrock

DESCRIPTION UNIT UNIT PRICE

	No. of the last of	
1. Drilling	LF	\$28.00
2. 8" Casing	LF	\$11.00
3. 8" Drive Shoe (Conventional Drive Shoe)	EA	\$125.00
4. Drill 8" Air Rotary to T. D.	LF	\$28.00

# Council Meeting Attachment "A" 1-12-00 pg 8

Item #4
Geophysical log includes E-log 16" & 64" normal and single point resistance, Gamma Ray Neutron and Caliper.

Item #5 Includes 83/4" or 10" borehole with 6" PVC casing.

Item #6
Cement grout placed around bottom 10' of 6" PVC casing to prevent upper water migration and washouts.

Item #8 Includes transportation and rush job on samples (one (1) week turnaround).





# SANTAQUIN TEST WELL DRILLING PROJECT BID TABULATION FOR WELL NO. 1 01/12/00

			Tri-State Drilling	tate	Mike Zimmerman Well Service	merman ervice	Mike Zimmerman Well Service -Opt A	nmerman ice -Opt A	Mike Zii Well Serv	Mike Zimmerman Well Service - Opt B	REMARKS
	EST.		LIN	TOTAL	TINI	TOTAL	TINU	TOTAL	TINU	TOTAL	
BID ITEMS	QUAN, UNIT		COST	COST	COST	COST	COST	COST	COST	COST	
Mobilization	1	L. S.	9	3,500.00	4,500.00	4,500.00 4.500.00	4,500.00	4,500.00	4,500.00	4,500.00	
Clear, Grub & Site Earth Work	1	L. S.	2,000.00		Cost + 10% *2,000.00 Cost + 10%	*2.000.00	Cost + 10%		*2,000.00 Cost + 10% *2,000.00		* Zimmerman based item on cost plus 10% (see note 1)
(7) Mud Rotor Drill and Log (6") Test Bore Hole	700	Ln.Ft.	20.00	20.00 14,000.00	30.00	30.00 21.000.00	26.00	26.00 18,000.00	28.00	28.00 19,600.00	
Geophysical Well Log	1	Ea.	3.000.00	3,000.00	2,990.00	2,990.00 2.990.00	2.990.00	2,990.00	2,990.00	2,990.00 29,900.00	
(11) Install PVC Casing (6")	100	Ln.Ft.	20.00	2,000.00	51.00	5.100.00	6.00	600.00	11.00	1,100.00	
Install Annular Seal (Iso. Surface Aquifer)	1	L. S.	750.00	750.00	750.00	750.00	750.00	750.00	750.00	750.00	
Set Pump (50 ft. from bottom of well)	650 1	Ln.Ft.	8.00	5,200.00	5.50	5.50 3.575.00	5.50	3,575.00	3,575.00	3,575.00	
Aquifer Water Sampling	2	Ea.	200.00	400.00	450.00	900.00	450.00	900.00	450.00	900.00	
Aquifer Pump Test (Step Draw-Down)	8	Hr.	110.00	880.00	125.00	1.000.00	125.00	1,000.00	125.00	1,000.00	
Aquifer Pump Test (Constant Rate)	24	Hr.	110.00	2,640.00	125.00	3.000.00	125.00	3,000.00	125.00	3,000.00	
(8) Cap Test Well	1	L. S.	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
(8) Abandon Test Well & Reclaim Site	-	L. S.	3.500.00	3,500.00	5,500.00	5.500.00	5.500.00	5,500.00	5,500.00	5,500.00	
Capture, Haul & Dispose of Drill Cuttings	_	L. S.	1.000.00	1,000.00	2,500.00	2,500.00 2.500.00	2,500.00	2,500.00	2,500.00	2,500.00	
Drill 6" Air Rotary to T.D.	700 1	Ln.Ft.					6.00	4.200.00	28.00	19,600.00	
6"Drive Shoe (Designed for overburden)		Ea.		1000000			450.00	450.00			Cost depends on amount of drive shoes used
8" Drive Shoe (Conventional Drive)	1	Ea.							125.00		125.00 Cost depends on amount of drive shoes used
TOTAL (Cap for Production Well)				35,470.00		47.415.00		44,565.00		88,525.00	
TOTAL (Abandon Well and Reclaim Site)				38,870.00		52.815.00		49,965.00		93,925.00	

- 2. Tri-State bid shows item 7 as \$8.00/Ln.Ft., we have extended the price for setting the pump at maximum depth of 650 Ft. = \$5,200.00 1. For bid comparison purposes, we have used \$2,000.00 for Zimmerman's bids for item 2 to match Tri-State
- 4. Zimmerman's Option B is to Drill and Drive 8" Casing to Bedrock. Zimmerman's Option A utilizes Air Rotary with Casing Hammer and to Drill and Drill 6" Casing to Bedrock.

- 6. Zimmerman gives no cost differential between Well Site 1 and 2, whereas. Tri-State gives us a cost savings of \$1,500.00 for Mobilization on Test Well 2. 5. Zimmerman's Mud Rotor Drill Bid had math error. Showed total bid price \$59,455.00 without Item 2, which they bid cost + 10%
- 8. If water test satisfactory, Contractor shall cap Test Well. If test is not satisfactory, Contractor shall abandon Test Well and reclaim site. 7. The quantity indicated is a not to exceed amount without written authorization from the Engineer.
- Only one of the two line items (Item 11 or Item 12) will be paid.
- 9. Tri-State will start work on Test Well 1 on 2/1.00 and complete by 2/15:00. Start Test Well 2 on 2/15:00 and complete by 3/1/00
- 10. Zimmerman shows starting Wells 1& 2 on 2:22 00 and completing by 3:10/00.
- 11. This is an estimated quantity only, actual quantity installed at the unit price indicated will determine total cost.