

PROJECT COPY  
MARKUP

PWCo 2008-02

Released 2/19/08

Project Number: PWCo 2008-02

**Appendix A. RESPONDENT CERTIFICATION FORM**

I hereby certify that this response and proposal is genuine, and is not in any collusive or sham; that the proposal is not made with the intent to restrict or prohibit competition; that the firm submitting the proposal has not revealed the contents of the proposal to, or in any way colluded with, any other firm which may compete for the contract; and that no other firm which may compete for the contract has revealed the contents of a proposal to, or in any way colluded with, the firm submitting this proposal.

I further certify that I am in receipt of the RFP Proposal packet and the following

Addenda, dated: NOTE: ADT has received all addenda's as of 6:00 PM , 03/03/08

Name of Firm Submitting Response to RFP:

Advanced Drilling Technology, Inc. dba ADT Drilling

Address: 28150 N. Alma School Pkwy. #103 - PMB #440

City: Scottsdale State: Arizona Zip: 85262

Telephone No.: 480-471-1177 Fax No: 480-471-1116

Authorized Signature:



Print Name / Title: Jay Click - President

## **IV. Qualifications Criteria and Certifications**

### **C. Experience with Similar Drilling Conditions**

- 1. 1 each - City of Flagstaff (Ft. Tuthill Well)**  
**Flagstaff, AZ.**  
**Paul Raczkowski - Sr. Project Manager**  
**211 W. Aspen Ave**  
**Flagstaff, AZ.**  
**Phone: 928-853-8750**
- 2. Type of well; Tuthill 2500' -16" x 12" production well**
- 3. 4<sup>th</sup> Quarter 2007**  
**Tuthill Well - Successfully reached total of 2500' 20<sup>th</sup> December 2007**  
**Start Date 10-22-07**  
**TD Date 12-19-07**  
**1<sup>st</sup> Phase logging on 12-21-07**  
**2<sup>nd</sup> Phase logging scheduled for 01-03-08**  
**Set liner 2<sup>nd</sup> & 3<sup>rd</sup> week of January 2008 and complete well.**
- 4. Jay Click - Owner/Manager**  
**Cody Larsen - Supervisor/Driller**  
**Ron Schafer - Driller**  
**Spencer Walker - Drillers helper**
- 5. 20" to 40' foot**  
**16" to 400'**  
**12" to 2000'**  
**8" Liner from 2000' to 2500'**
- 6. Dual Rotary Method**
- 7. Air lift test indicates 600 to 1000 GPM**
- 8. DR24 DH**  
**Top drive pull back 120,000lbs.**  
**Lower drive pull back 125,000lbs.**  
**Combined pull back 245,000 lbs.**  
**Lower drive torque 1,600,000 inch pounds**
- 9. Cody Larsen - Supervisor/Driller**  
**Ron Schafer - Driller**  
**Spencer Walker - Drillers helper**  
**Jay Click - Owner/Manager**

**Version 2-18-08**

**PINE WATER CO., - K2 WELL PROJECT**

**John O. Breninger, Project Manager**

**P.O. Box 2096**

**Pine, Arizona 85544-2096**

**Phone: (928) 476-3707 FAX (928) 476-3707**

**Email: [ihunt4h2o@npgcable.com](mailto:ihunt4h2o@npgcable.com)**

## **IV. Qualifications Criteria and Certifications**

### **C. Experience with Similar Drilling Conditions**

#### **1. Pine Production Well**

**Pine, AZ.**

**Ray Pagel**

**P.O. Box 189**

**Pine, AZ.**

**Phone: 928-476-3282**

#### **2. Type of well; 1070' -10" x 8" production well**

#### **3. Winter 2006**

#### **4. Jay Click - Owner/Manager**

**Allan Osburn - Supervisor**

**Shannon Edwards - Driller**

**Powder Tyrell**

#### **5. 20" to 20' foot**

**10" to 500'**

**8" to 1070'**

#### **6. Dual Rotary Method**

#### **7. Air lift pumped at 200/400 gpm**

#### **8. DR24 DH**

**Top drive pull back 120,000lbs.**

**Lower drive pull back 125,000lbs.**

**Combined pull back 245,000 lbs.**

**Lower drive torque 1,600,000 inch pounds**

#### **9. Cody Larsen - Driller**

**Johnny Larsen - Driller helper**

**Blaine Chick - Driller helper**

**Ron Schafer - Driller**

**Allan Osburn - Supervisor/Consultant**

**Jay Click - Owner/Manager**

## IV. Qualifications Criteria and Certifications

### A. Availability per Schedule and Work Plan (35 Points)

**\*Referring to Sec.III. A. ADT Drilling anticipates no real problems meeting this time frame from the actual drilling of the well. The real issues are going to be logistical problems from working in a small confined area, off site material staging location and managing the containment of discharge water. This coupled with the fact that we will be dealing neighbors and part of the community, that does not want to see the K2 Project a success. I think it is only reasonable to assume that their may be some delays outside the control of ADT Drilling for the reasons stated above.**

**\*Our commitment and plan to meet the schedule is the reputation in the water well drilling we have established by being on time and on budget with highly qualified and experienced crews. With the most Advanced Drilling Technology available in the water well drilling industry today, we are currently bonding, managing, drilling and completing as per the scope of work for the City of Flagstaff a contract amount totaling \$5,000,000.00.**

### B. Suitable Drilling Methodology and Equipment (40 Points)

**\*We are very familiar with the described local geology and drilling conditions at the K2 site.**

**\*ADT's plan works for several reasons. The scope of work outlined in this RFP is one that we have helped develop, implement and prove to be successful too depths of 2800' plus, time and time again. Utilizing the Dual Rotary Method with compressed air and percussion under reaming systems, we are controlling, lost circulation, hole conditioning and sloughing problems.** OK

**\*See enclosed completed Bid Schedule.**

**Note: As you will see ADT has inserted an additional line item (4A) to compensate for the cost of telescoping the 8 5/8" casing from 0 to 200' inside of the 10" casing.**

### C. Experience with Similar Drilling (15 Points)

**\*See the four attached summaries of previously completed projects, one of which was drilled in Pine.**

### D. Credentials and Recommendations (10 Points)

**\*ADWR License # 671 & AZ ROC type A-04 # 185194** ✓

**Bid Schedule 1**  
**Dual Rotary Drilling**  
(PWCo K2 Test Well #1)

Released 2-19-08

03/04/2008 11:07

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DREAM MAKER CHARTER

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Item No.	Test Ref.	Drilling and Casing	Unit	Quant	Unit Price	Total
1	10.0	Mobilization and Demobilization	LS	1	\$15,000.00	\$15,000.00
2	11.1	Conductor Borehole Drilling and Surface Seal	LS	1	\$7,500.00	\$7,500.00
3	11.2	Drill and Advance 10-inch Intermediate Casing	LF	900	\$165.00	\$148,500.00
4	11.3	Placement of Intermediate Seal	LF	40	\$240.00	\$9,600.00
4A	11.4	Telescope 8 5/8" casing to 900'	LF	900	\$18.50	\$16,650.00
5	11.4	Drill and Advance 8-inch Casing From 900' to 1700'	LF	800	\$145.00	\$116,000.00
6	11.5	Air Lift Testing	HR	18	\$550.00	\$9,900.00
6A	11.6	Lower 6.625OD x 60'L dummies to total depth	LS	1	\$5,500.00	\$5,500.00
6B	11.6	Gyroscopic and Geophysical Logging	LS	1	\$8,200.00	\$8,200.00
7	11.7	Slot Casing with Roller Wheel	LF	300	\$50.00	\$15,000.00
8	11.8	Preliminary Well Development	LS	1	\$8,900.00	\$8,900.00
9	11.9	Placement of ADWR Surface Seal Seal	LS	1	\$2,500.00	\$2,500.00
10	12.0	Well Capping	LS	1	\$200.00	\$200.00
11	13.0	Chlorination of Well	LS	1	\$1,000.00	\$1,000.00
12	14.0	Drilling Site Security	LS	1	\$3,000.00	\$3,000.00
13	15.0	Noise Abatement Waived as per John B. Daylight drilling only	LS	1	N/A	N/A
<b>TOTAL AMOUNT BID</b>						<b>\$367,450.00</b>
Item No.	Test Ref.	Optional Costs	Unit	Quant	Unit Price	Total
14	17.0	Standby Time	HR	1	\$550.00	*****
15	19.0	Additional Requested Services	HR	1	\$550.00	*****
16	20.0	Well Abandonment (if required)	LS	1	\$10,000.00	*****
17	1.4	Permits: Contractor Duties per AZPDES BMP Plan	LS	1	To Be Negotiated	*****
<b>AMOUNT OF BID</b>		Three hundred sixty seven thousand four hundred fifty dollars and zero cents				

de  
se



Version 2-18-08

**PINE WATER CO., - K2 WELL PROJECT**

**John O. Breninger, Project Manager**

**P.O. Box 2096**

**Pine, Arizona 85544-2096**

**Phone: (928) 476-3707 FAX (928) 476-3707**

**Email: ihunt4h2o@npgcable.com**

February 5, 2008

**K2 PROJECT REPORT #7  
PUMP SPECIFICATION - TEST WELL #1**

**INTRODUCTION:**

The K2 Well Project of the Pine Water Co., Inc.(PWCo) has undertaken to develop wells into the deep R-Aquifer in the Strawberry area of Gila County, Arizona. PWCo is a regulated water utility providing domestic water to nearby Pine, Arizona

**TEST WELL #1 DESCRIPTION:**

The borehole will be completed to a depth of 1,700 feet and cased with 8-inch steel casing. The static water level is estimated to be 1,375 feet deep in the Redwall Limestone stratum of the R-Aquifer. The casing will be screened or perforated between the estimated levels of 1,350 to 1,450 feet. The pumping level is estimated at 1,425 feet for a drawdown and well loss of 150 feet. The top of the pump may be set at the 1,550 foot level. The well will be constructed with an above ground headworks. The pump drop and headworks piping is planned as 4-inch diameter. The storage system pressure requirement is 65 psig. Check valves are set immediately above the pump, one intermediate and one at top of casing. The elevation of the K2 well site is approximately 5,900 feet.

**SUBMERSIBLE PUMP REQUIREMENTS:**

Pump options: Option A: 150 gpm (75 - 200 gpm into the storage tank)  
Option B: 200 gpm (150 - 300 gpm into the storage tank)

Electrical power: APS 460 VAC (430-480VAC), 3-phase (true), 60 cycle  
Pump shall have soft start controls  
Total Dynamic Head (TDH) = 1,723 feet at pumping level of 1,425 feet

**SCHEDULE:**

Award pump contract	2/28/08 (Lead time to prepare two Options for delivery)
Driller demobilize	5/27/08
Pump installer mobilize	5/28/08
Complete install pump	6/6/08

Prepared by:

//signature on file copy//

John O. Breninger  
K2 Well Project Manager

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Prepared by:

//signature on file copy//

John O. Breninger  
K2 Well Project Manager

FILE: K2 Proj Reprt #7 2-5-08.doc

**LAVEEN PUMP**

Po Box 5932  
 Goodyear Az. 85338  
 PH# 623-386-3600  
 FX#623-386-5560

**Estimate**

DATE	ESTIMATE NO.
2/11/2008	2977

NAME / ADDRESS
Pine Water Co. K2 Well Project John Boringar, Project Manager P.O. Box 2096 Pine, Arizona 85544-2096 (928)476-3707ph/(928)476-3708fx

			PROJECT
DESCRIPTION	QTY	COST	TOTAL
Furnish The following Equipment. Option #1 150 CFM to Tank Motor Centrilit 152 H.P. 2325 V 40 A. Motor lead Centrilit 562 prespliced to cable Seal section Centrilit GSB3 Seal Pump Centrilit 61 stage P62 Cable Centrilit 1575 #4 CPNR Cable Control Panel Centrilit 2150 Notes 4 w/2 expansion Transformer Southwest 210 KVA Multi Tap Check Valve (2) poppit style Check Valves Schroud 7" od Motor cooling schroud Riser pipe J-55 range 40 feet 1540' Discharge head 8" x 4" NPT Flanged Labor move and do-move/install equipment Note:\$200,000.00 Deposit up front with signed confirming order. Takes 12 weeks for electrical gear from deposit. This is to top of well head only! Sales Tax	1	189,000.00	189,000.00
	1	25,000.00	25,000.00
		6.30%	11,907.00
<b>PRICE ARE FOR THE ABOVE ITEMS ONLY!</b>		<b>TOTAL</b>	<b>\$225,907.00</b>

**LAVEEN PUMP**

Po Box 5932  
 Goodyear Az. 85338  
 PH# 623-386-3600  
 FX#623-386-5560

**Estimate**

DATE	ESTIMATE NO.
2/11/2008	2978

<b>NAME / ADDRESS</b>
Pine Water Co. K2 Well Project John Berringer, Project Manager P.O. Box 2096 Pine, Arizona 85544-2096 (928)476-3707ph/(928)476-3708fx

<b>PROJECT</b>

DESCRIPTION	QTY	COST	TOTAL
Furnish the following equipment Option #2 300 GPM to Tank Motor Centrilift 253 H.P. 2493 V. 63 A. Motor lead 562 pre-spliced to cable Seal section Centrilift GSB3 seal Pump Centrilift 52 stage P100 Cable 1775' Centrilift #4 CPNR Cable Control Panel Centrilift 2250 Nema 4 w/2 expansion modules Transformer Southwest 260 KVA Multi Tap Check valves (2) 4 1/2" Poppit stlye Schroud 7" OD Motor cooling Schroud 4 1/2" riser pipe J-55 range3 40' random 1540ft Discharge head 8" x 4" flanged	1	206,262.50	206,262.50T
Labor to install and move-in/out Note: \$215,000.00 deposit upfront plus signe confirming order.Takes 12 week from deposit to get electrical!This quote is to top of well only! Sales Tax	1	25,000.00  6.30%	25,000.00  12,994.54

PRICE ARE FOR THE ABOVE ITEMS ONLY!	<b>TOTAL</b>	\$244,257.04
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