

10/21/2009,

Per my telephone conversation with Aaron Dollman, Owner of Coastal Pump, Inc.

He has a complete video available of the well. Aaron also advised me that the well is one of the larger producing wells in that area.

Coastal Pump Inc.  
PO Box 177  
Templeton, CA 93465

Pump Completion Report

Date of Completion: 2/4/2009

Well Casing Diameter: 12"

Well Depth: 792.4'

Depth to Perforations: 228.7'

Pump Make & Model: Simflo SL9C 10 stages (Rebuilt)

Column Tube & Shaft: 2"x 1 3/16" Floway

Head Manufacturer: Floway

Pump Intake Setting: 300'

Electric Motor HP: 75

Motor Make & Model: U.S Electric

Gear Head HP: n/a

Gear Head Make & Model: n/a

Ranch Name:

Well Location:

Meter Number:

WO#

Escalante  
Well#1 - 6785 Creston Rd -  
R62812  
541

Date of Last Video: 2/2/09

Well Construction: Steel

Depth to Water: 77.5'

Depth to Blank: n/a

Airline Setting: 300'

Voltage: 460v 3ph

Notes:

Pump was 72.55 % and was pumping 600 GPM from 227ft with 5 PSI on discharge.

P.O. Box 985  
Pismo Beach, CA 93448  
(805) 835-8468 or (805) 474-9460

Pump Location: 5785 CRESTON RD. Date: 01/29/09  
Pump Make: Pump Efficiency Test for:  
Motor Make: USELEC. Type: RU TURBINE Customer: DR GARY HOLT Escalante  
H.P.: 75 Address: 6785 CRESTON Rd  
Model Number: Contact: ~~DR GARY HOLT~~/TERRI ESCALANTE  
Serial Number: Phone: Fax:  
Frame Number: 365 TP WP-1 Cell:   
Voltage: 480 3PH Amps: 88 PUC: ACREAGE:  
Power Company: PGE  
Meter Number: R62812  
Farm Type: PASTURE  
State Well #:

Test Date: 01/29/09 Tester: BILL B.

	Test 1	Test 2
Standing Water Level (FT)	78	
Pumping Water Level (FT)	82	
Draw Down	4	
Recovered Water Level (FT)	78 @ 15 MIN.	
Discharge Pressure @ Gauge (PSI)	2	
Discharge Level (FT)	4.62	
Total Lift (FT)	86.62	
Flow Velocity (FT/SEC)	1.87	
Measured Flow Rate (GPM)	80.2	
Customer Flow Rate (GPM)	N/A NO METER PRESENT	
Specific Capacity (GPM/FT DRAW)	20	
Acre Ft. per 24 hours	0.35	
Cubic Ft. Per Second (CFS)	0.18	
Horsepower Input to Motor	28.36	
Percent of Rated Motor Load	38	
Kilowatt Input to Motor	21.16	
Kilowatt Hours Per Acre Ft	1451	
Cost to Pump an Acre Ft.	145.10 @ .10	
Energy Cost (\$/Hour)	2.12	
Base Cost per Kilowatt Hour	0.1	
Nameplate RPM	1770	
RPM at Gear Head	N/A	
Overall Plant Efficiency (%)	6	

Comments: FELT A SIGNIFICANT AMOUNT OF VIBRATION DURING TEST STANDING NEXT TO WELL.

After Work Done.

Advanced Technology Pump Testing Services  
P.O. Box 985  
Pismo Beach, CA 93448  
(805) 835-8468 or (805) 474-9460

Pump Location: 6785 CRESTON RD. Date: 02/17/09  
Pump Make: Pump Efficiency Test for:  
Motor Make: US ELEC. Type: RU TURBINE Customer: Escalante  
H.P.: 75 Address: 6785 CRESTON Rd.  
Model Number: Contact: Escalante  
Serial Number: Phone: Fax:  
Frame Number: 365 TP WP-1 Cell:  
Voltage: 480 3PH Amps: 88 PUC: ACREAGE:  
Power Company: PGE  
Meter Number: R62812 Farm Type: PASTURE  
State Well #:  
Test Date: 02/17/09 Tester: BILL B.

	Test 1	Test 2
Standing Water Level (FT)	74	
Pumping Water Level (FT)	227	
Draw Down	153	
Recovered Water Level (FT)	79 @ 15 MIN.	
Discharge Pressure @ Gauge (PSI)	5	
Discharge Level (FT)	11.55	
Total Lift (FT)	238.55	
Flow Velocity (FT/SEC)	5.45	
Measured Flow Rate (GPM)	617.6	
Customer Flow Rate (GPM)	N/A	NO METER PRESENT
Specific Capacity (GPM/FT DRAW)	4.03	
Acre Ft. per 24 hours	2.73	
Cubic Ft. Per Second (CFS)	1.37	
Horsepower Input to Motor	51.28	
Percent of Rated Motor Load	68	
Kilowatt Input to Motor	38.25	
Kilowatt Hours Per Acre Ft	336.26	
Cost to Pump an Acre Ft.	33.63 @ .10	
Energy Cost (\$/Hour)	3.83	
Base Cost per Kilowatt Hour	0.1	
Nameplate RPM	1770	
RPM at Gear Head	N/A	
Overall Plant Efficiency (%)	72.55	

Comments:



FILE

# Advanced Technology Pump Testing Service Wellbore Video Report

MAILED

2/6/09

Customer	<u>Escalante</u>	Survey Date	<u>2/2/2009</u>
Address	<u>6735 Creston Rd</u>	Well Owner	
City	<u>State/Zip</u>	Camera	
Requested By:	<u>CUSTOMER</u>	Zero Datum	<u>T.O.C.</u>
Copy To	<u>CUSTOMER</u>		
Reason For Survey	<u>PRODUCTIVITY</u>		
Operator	<u>BILL B.</u>		
Well Loc.			
Casing I.D. @ surface	<u>12" STEEL</u>	Well Depth	<u>792.7'</u>

Depth	Wellbore/Casing Info.
<u>77.5</u>	<u>DOWN VIEW - STATIC WATER LEVEL</u>
<u>93.8</u>	<u>SIDE VIEW -</u>
<u>161.6</u>	<u>SIDE VIEW -</u>
<u>228.7</u>	<u>SIDE VIEW - PERFORATIONS START - VERTICAL MILLED SLOTS</u>
<u>281.1</u>	<u>SIDE VIEW -</u>
<u>336.9</u>	<u>SIDE VIEW - OBJECT LAYING ACROSS CASING, POSSIBLY PIECE OF PIPE.</u>
<u>405.5</u>	<u>SIDE VIEW -</u>
<u>438.4</u>	<u>SIDE VIEW - OBJECT LAYING ACROSS CASING.</u>
<u>489.1</u>	<u>SIDE VIEW -</u>
<u>571.7</u>	<u>SIDE VIEW -</u>
<u>692.4</u>	<u>SIDE VIEW -</u>
<u>792.4</u>	<u>DOWN VIEW - BOTTOM OF WELL TO FILL</u>

## Notes:

MODERATE TO HEAVY PLUGGING AT ALL LEVELS OF PERFORATIONS.

CASING APPEARS IN STABLE CONDITION.