

Well: <i>Dach well</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Dezan</i>	HP: <i>450</i>	Volts:	RPM: <i>1780</i>	Serial: <i>2109041</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-21-10</i>								
Standing Water	<i>337'</i>							
Draw Down	<i>26</i>							
Pumping Level	<i>363'</i>							
Lift Above Discharge	<i>134</i>							
Total Lift	<i>497</i>							
G.P.M.	<i>1963</i>							
GPM/FT	<i>76</i>							
AC Ft. in 24 Hrs.	<i>8.7</i>							
HC Input RPM	<i>1780</i>	<i>23.8</i>	<i>58²¹⁵</i>	<i>10 1/2 P.S</i>	<i>250 yd/h</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

1963 gal

Well: <i>Harrison East</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>D-Run</i>	HP: <i>400</i>	Volts:	RPM: <i>1750</i>	Serial: <i>C105053</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-27-10</i>								
Standing Water	<i>32.8</i>							
Draw Down	<i>35</i>							
Pumping Level	<i>363</i>							
Lift Above Discharge	<i>42</i>							
Total Lift	<i>405</i>			<i>7 low water 2066</i>				
G.P.M.	<i>2062</i>							
GPM/FT	<i>59</i>	<i>2062</i>						
AC Ft. in 24 Hrs.	<i>9.1</i>							
HC Input RPM	<i>2000</i>	<i>18 Lbs</i>		<i>10" EPS - 2.50 WALL</i>				
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: 23-4 Mump	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: DeRon	HP: 450	Volts:	RPM: 1725	Serial: C111081
Fram:	Type:	Pump:	Type Oil Lube:	

Date: 10-1-10									
Standing Water	308'								
Draw Down	30								
Pumping Level	338								
Lift Above Discharge	9.0								
Total Lift	347								
G.P.M.	1592	1592 gal						DeRon motor 1500	
GPM/FT	53								
AC Ft. in 24 Hrs.	7.0								
HC Input RPM	1800 1725	4 Lbs		10" IPS	.250 wall				
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Well: <u>22-2-14677</u>	Pump Data Installation Date:
Meter: <u>P107</u>	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <u>D. P.M.</u>	HP: <u>300</u>	Volts:	RPM: <u>1800</u>	Serial: <u>5208080</u>
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<u>0</u>							
Standing Water	<u>0</u>							
Draw Down	<u>0</u>							
Pumping Level	<u>0</u>							
Lift Above Discharge	<u>55</u>							
Total Lift	<u>-</u>							
G.P.M.	<u>1229</u>	<u>1229 gpm</u>						
GPM/FT	<u>↑</u>							
AC Ft. in 24 Hrs.	<u>514</u>							
HC Input RPM	<u>1480</u>	<u>24 lbs</u>	<u>10' FPS</u>	<u>6250 ft/d</u>				
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <i>Miami 22-4</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>De. Pan</i>	HP: <i>300</i>	Volts:	RPM:	Serial: <i>241011</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date/	<i>0-1-10</i>								
Standing Water	<i>296'</i>								
Draw Down	<i>57</i>								
Pumping Level	<i>353'</i>								
Lift Above Discharge	<i>32</i>								
Total Lift	<i>385</i>								
G.P.M.	<i>2178</i>	<i>2178 gal</i>							
GPM/FT	<i>38</i>								
AC Ft. in 24 Hrs.	<i>9/16</i>								
HC Input RPM	<i>1800</i>	<i>14 lbs</i>	<i>10" VPS</i>	<i>250 wall</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Well: <i>Mon 21-3 East</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>DeRan</i>	HP: <i>300</i>	Volts:	RPM: <i>1636</i>	Serial: <i>B 805/49</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>10-1-10</i>									
Standing Water	<i>0</i>	<i>0</i>							
Draw Down	<i>0</i>								
Pumping Level	<i>0</i>								
Lift Above Discharge	<i>97</i>								
Total Lift	<i>0</i>								
G.P.M.	<i>800</i>	<i>800</i>							
GPM/FT	<i>—</i>								
AC Ft. in 24 Hrs.	<i>3.5</i>								
HC Input RPM	<i>1800</i>	<i>9.7</i>	<i>42 lbs</i>	<i>10" IPS - 250 wall</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

11 to 10 Gear Head

Well: <i>Panda 28-1-5</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Dalton</i>	HP: <i>350</i>	Volts:	RPM: <i>1650</i>	Serial: <i>B 90808⁸⁴</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-23-10</i>									
Standing Water	<i>330'</i>								
Draw Down	<i>26</i>								
Pumping Level	<i>356'</i>								
Lift Above Discharge	<i>42</i>								
Total Lift	<i>398</i>								
G.P.M.	<i>1618</i>	<i>1518</i>							
GPM/FT	<i>62</i>								
AC Ft. in 24 Hrs.	<i>7.1</i>								
HC Input RPM	<i>1800</i>	<i>18^{lb}</i>	<i>10" PS</i>	<i>250 well</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Filter multi 116.00 gal.

Well: <i>Ronda 20-3 West</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline: <i>467</i>
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>De'Pan</i>	HP: <i>350</i>	Volts:	RPM: <i>1780</i>	Serial: <i>C304155</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-21-10</i>							
Standing Water	<i>319</i>						
	<i>69 lbs</i>						
Draw Down	<i>42</i>						
Pumping Level	<i>411</i>						
	<i>24 lbs</i>						
Lift Above Discharge	<i>23</i>						
Total Lift	<i>434</i>						
G.P.M.	<i>1500</i>	<i>1100</i>			<i>Flow meter 1500</i>		
GPM/FT	<i>16</i>						
AC Ft. in 24 Hrs.	<i>666</i>						
HC Input RPM	<i>1200</i>	<i>10 lbs</i>		<i>10" IPS 250 wall</i>			
	<i>1574</i>						
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Panels 20-4 West</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>De Rom</i>	HP: <i>350</i>	Volts:	RPM: <i>1800</i>	Serial: <i>3908091</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-22-10</i>							
Standing Water	<i>10.5</i>						
Draw Down	<i>10.5</i>						
Pumping Level	<i>—</i>						
Lift Above Discharge	<i>23</i>						
Total Lift	<i>—</i>						
G.P.M.	<i>1963</i>	<i>1963 gal</i>					
GPM/FT	<i>—</i>						
AC Ft. in 24 Hrs.	<i>87</i>						
HC Input RPM	<i>1800</i> <i>228</i>	<i>10 lbs</i>	<i>10"</i>	<i>1.25</i>	<i>250</i>	<i>1000</i>	
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <u>Parade 28-3</u>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

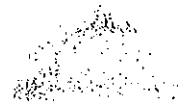
Motor: <u>DuPont</u>	HP: <u>200</u>	Volts:	RPM: <u>1700</u>	Serial: <u>B912066</u>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <u>9-23-10</u>								
Standing Water	<u>329</u>							
Draw Down	<u>16</u>							
Pumping Level	<u>345</u>							
Lift Above Discharge	<u>116</u>							
Total Lift	<u>461</u>							
G.P.M.	<u>816</u>	<u>816</u>						
GPM/FT	<u>51</u>							
AC Ft. in 24 Hrs.	<u>316</u>							
HC Input RPM	<u>1800</u> <u>9.9</u>	<u>50 lbs</u>	<u>10" IPS</u>	<u>250 W&W</u>				
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <i>Panda 28-1 North</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>De Ram</i>	HP: <i>350</i>	Volts:	RPM: <i>1800</i>	Serial: <i>B910027</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-23-10</i>									
Standing Water	<i>324'</i>								
Draw Down	<i>29</i>								
Pumping Level	<i>353'</i>								
Lift Above Discharge	<i>23</i>								
Total Lift	<i>376</i>								
G.P.M.	<i>1501</i>								
GPM/FT	<i>52</i>								
AC Ft. in 24 Hrs.	<i>6.6</i>								
HC Input RPM	<i>1800</i> <i>18.2</i>	<i>10²</i>	<i>10" IPS</i>	<i>250 WPM</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									



Well: <u>Piani East</u>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <u>DeRan</u>	HP: <u>300</u>	Volts:	RPM: <u>1600</u>	Serial: <u>C112.039</u>
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<u>9-15-10</u>							
Standing Water	<u>218'</u>							
Draw Down	<u>14'</u>							
Pumping Level	<u>332'</u>							
Lift Above Discharge	<u>104'</u>							
Total Lift	<u>406'</u>							
G.P.M.	<u>783</u> <u>783</u>			<u>Flow meter</u>	<u>750 gal</u>			
GPM/FT	<u>56</u>							
AC Ft. in 24 Hrs.	<u>13.5</u>							
HC Input RPM	<u>1800</u> <u>7.5</u>	<u>45 Lbs</u>		<u>18" EPS</u>	<u>.250 wall</u>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <u>Rowan 2-6</u>	Pump Data Installation Date:
Meter: <u>MOT 50</u>	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <u>Emerson</u>	HP: <u>150 HP</u>	Volts:	RPM: <u>1785</u>	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<u>9-7-10</u>							
Standing Water	<u>301'</u>							
Draw Down	<u>31</u>							
Pumping Level	<u>332'</u>							
Lift Above Discharge	<u>23</u>							
Total Lift	<u>355</u>							
G.P.M.	<u>635</u>							
GPM/FT	<u>20.5</u>	<u>635 gpd</u>						
AC Ft. in 24 Hrs.	<u>2.8</u>							
HC Input RPM	<u>1785</u> 1785	<u>10 lbs</u>	<u>635 gpd</u>	<u>10" FPS</u>	<u>.250 wall</u>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: SYP 35-1	Pump Data Installation Date:
Meter: MOT 52	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: Emerson	HP: 12.5	Volts:	RPM: 1785	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date	9-8-10							
Standing Water	—							
Draw Down	—							
Pumping Level	—							
Lift Above Discharge	18.5							
Total Lift	—							
G.P.M.	775	775 gal.						
GPM/FT	—							
AC Ft. in 24 Hrs.	3.4							
HC Input RPM	1780	8 lbs	10 1/4 PS	250 wall.				
KW Hours Per AC/FT	—							
EFF								
Cost Per AC/FT								

Well: 35-4-S	Pump Data Installation Date:
Meter: MAP 55	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: Emerson	HP: 12.5	Volts:	RPM: 1785	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date 9-8-10							
Standing Water							
Draw Down	<i>can't get</i>						
Pumping Level	—						
Lift Above Discharge	65						
Total Lift	—						
G.P.M.	412	412 gal.				2400 gal.	
GPM/FT							
AC Ft. in 24 Hrs.	1.8						
HC Input RPM	1780	28 ²⁴⁵				10' IPS .250 Wall.	
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Pardee 20-4- East</i>	Pump Data Installation Date:	
Meter:	Pump Setting:	
Legal:	Airline:	
Location:	CT&S Size:	
	Bowls:	
	Well Depth:	
	Blank :	
	Perforation:	

Motor: <i>Johnson</i>	HP: <i>300</i>	Volts:	RPM: <i>1800</i>	Serial: <i>166047</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<i>9-22-10</i>								
Standing Water	<i>320'</i>								
Draw Down	<i>61</i>								
Pumping Level	<i>381'</i>								
Lift Above Discharge	<i>129</i>								
Total Lift	<i>510</i>							<i>Flow meter 800 gal.</i>	
G.P.M.	<i>841</i>	<i>841 gal</i>							
GPM/FT	<i>13.81</i>								
AC Ft. in 24 Hrs.	<i>317</i>								
HC Input RPM	<i>1800</i>	<i>56 lbs</i>						<i>10" IPS 2.50 wall</i>	
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Well: <i>Anderson North</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Johnson</i>	HP: <i>360</i>	Volts:	RPM: <i>1780</i>	Serial: <i>169341</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-13-10</i>							
Standing Water	<i>152'</i>						
Draw Down	<i>70</i>						
Pumping Level	<i>222'</i>						
Lift Above Discharge	<i>81</i>						
Total Lift	<i>303</i>						
G.P.M.	<i>1955 gal</i>						
GPM/FT	<i>28</i>			<i>7.4 gpm/ft</i>			
AC Ft. in 24 Hrs.	<i>18.6</i>						
HC Input RPM	<i>1800</i> <i>23.7</i>	<i>35 lbs</i>		<i>10" IPS, 250 wall</i>			
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Anderson South</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Johnson</i>	HP: <i>350</i>	Volts:	RPM: <i>1790</i>	Serial: <i>169342</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-13-10</i>	<i>140'</i>							
Standing Water	<i>132'</i>							
Draw Down	<i>40</i>							
Pumping Level	<i>182</i>							
Lift Above Discharge	<i>166</i>							
Total Lift	<i>348</i>							
G.P.M.	<i>2200</i>			<i>7.4 gal meter 22.00</i>				
GPM/FT	<i>55</i>							
AC Ft. in 24 Hrs.	<i>9.7</i>							
HC Input RPM	<i>1800</i> <i>27.1</i>	<i>72 lbs</i>		<i>10" IPS</i>	<i>250V alt</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <i>Big Field West</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>Johnson</i>	HP: <i>500</i>	Volts:	RPM: <i>1775</i>	Serial: <i>166011</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-14-10</i>									
Standing Water	<i>119'</i>								
Draw Down	<i>35</i>								
Pumping Level	<i>154'</i>								
Lift Above Discharge	<i>152</i>								
Total Lift	<i>306</i>								
G.P.M.	<i>1402</i> <i>1402 gal.</i>			<i>7.5 gal</i>	<i>meter</i>	<i>1600 gal.</i>			
GPM/FT	<i>40</i>								
AC Ft. in 24 Hrs.	<i>162</i>								
HC Input RPM	<i>7</i> <i>1800</i>	<i>66 lbs</i>		<i>10" IPS</i>	<i>.250 W/H</i>				
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Well: <i>Big Field East</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>Johnson</i>	HP: <i>500</i>	Volts:	RPM: <i>1775</i>	Serial: <i>166008</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-14-10</i>							
Standing Water	<i>121 lbs</i> 35						
Draw Down	<i>.37</i>						
Pumping Level	<i>158</i> 15						
Lift Above Discharge	<i>146</i>						
Total Lift	<i>304</i>						
G.P.M.	<i>1312</i>	<i>312 gal.</i>					
GPM/FT	<i>35</i>						
AC Ft. in 24 Hrs.	<i>58</i>						
HC Input RPM	<i>1800</i> 15.9	<i>63 lbs</i>	<i>10" FPS</i>	<i>250 Wall</i>			
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Big Field South</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>Johnson</i>	HP: <i>500</i>	Volts: <i>480</i>	RPM: <i>1775</i>	Serial: <i>166010</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-14-10</i>							
Standing Water	<i>132'</i>						
Draw Down	<i>110'</i>						
Pumping Level	<i>242'</i>						
Lift Above Discharge	<i>146'</i>						
Total Lift	<i>388'</i>						
G.P.M.	<i>2475</i>			<i>Flow meter 2500</i>			
GPM/FT	<i>22.5</i>						
AC Ft. in 24 Hrs.	<i>11</i>						
HC Input RPM	<i>1800</i>	<i>63 Lbs</i>		<i>10" IPS 2500</i>			
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Brown East</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>Duran</i>	HP: <i>300 HP</i>	Volts:	RPM: <i>1800</i>	Serial: <i>B301046</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-9-10</i>								
Standing Water	<i>123'</i>							
Draw Down	<i>112</i>							
Pumping Level	<i>235'</i>							
Lift Above Discharge	<i>139</i>							
Total Lift	<i>371</i>							
G.P.M.	<i>932</i>							
GPM/FT	<i>8.3</i>	<i>932 gph</i>						
AC Ft. in 24 Hrs.	<i>4.1</i>							
HC Input RPM	<i>1800</i> <i>163</i>	<i>60 Hz</i>		<i>10" IPS</i>	<i>2.50 Wall</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

7 days meth 1000 gph

Well: <i>Brown West</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Dasan</i>	HP: <i>300</i>	Volts:	RPM:	Serial: <i>13712103</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date <i>9-9-10</i>								
Standing Water	<i>125'</i>							
Draw Down	<i>80</i>							
Pumping Level	<i>213'</i>							
Lift Above Discharge	<i>134</i>							
Total Lift	<i>347</i>							
G.P.M.	<i>775</i>	<i>775</i>						
GPM/FT	<i>8.8</i>							
AC Ft. in 24 Hrs.	<i>34</i>							
HC Input RPM	<i>1800</i> <i>9.4</i>	<i>58 lbs</i>		<i>10" IPS</i>	<i>.250W</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Flow meter 800

Well: <i>Furman South</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: <i>Johnson</i>	HP: <i>500</i>	Volts:	RPM: <i>1800</i>	Serial: <i>167249</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<i>9-13-10</i>								
Standing Water	<i>161'</i>								
Draw Down	<i>94</i>								
Pumping Level	<i>255'</i>								
Lift Above Discharge	<i>92</i>								
Total Lift	<i>347</i>								
G.P.M.	<i>2175</i>	<i>475*</i>							
GPM/FT	<i>26</i>	<i>11</i>							
AC Ft. in 24 Hrs.	<i>11</i>								
HC Input RPM	<i>1800</i>	<i>350*</i>	<i>40 Hrs</i>	<i>10"</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Flow rate 2900 gal.

EPS 250 wdl.

Well: <i>Yard North</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <i>Johnson</i>	HP: <i>350</i>	Volts:	RPM: <i>1775</i>	Serial: <i>166494</i>
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<i>9-15-10</i>							
Standing Water	<i>116'</i>							
Draw Down	<i>50</i>							
Pumping Level	<i>166'</i>							
Lift Above Discharge	<i>28</i>							
Total Lift	<i>194</i>							
G.P.M.	<i>2475</i>	<i>2475 gal.</i>						
GPM/FT	<i>49.5</i>							
AC Ft. in 24 Hrs.	<i>11</i>							
HC Input RPM	<i>1800</i>	<i>30</i>	<i>12 lbs</i>	<i>10" IPS</i>	<i>.250 WALL</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: 34P 35-2	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: MOT 53	HP:	Volts:	RPM: 1785	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date 8-23-10								
Standing Water	246							
Draw Down	34							
Pumping Level	280							
Lift Above Discharge	116							
Total Lift	396							
G.P.M.	82.5 10.5	50 lbs	10" IPS	250 Well				
GPM/FT	24							
AC Ft. in 24 Hrs.	3.6							
HC Input RPM	1780							
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <u>SVP 35-N</u>	Pump Data Installation Date:
Meter: <u>MoP 56</u>	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank :
	Perforation:

Motor: <u>Emerson</u>	HP: <u>12.5</u>	Volts:	RPM: <u>1780</u>	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date	<u>9-8-10</u>							
Standing Water	<u>224</u>							
Draw Down	<u>62</u>							
Pumping Level	<u>286</u>							
Lift Above Discharge	<u>127</u>							
Total Lift	<u>413</u>							
G.P.M.	<u>932</u>	<u>932 gal.</u>						
GPM/FT	<u>15</u>							
AC Ft. in 24 Hrs.	<u>4.1</u>							
HC Input RPM	<u>1780</u> 1780	<u>55 lbs</u>	<u>10" IPS</u>	<u>0.250 wall</u>				
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								



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October 7, 2011

DAN WILKE
 WM BOLTHOUSE FARMS
 7200 E. BRUNDAGE LN.
 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: AVOL 21-1 WELL
 Location: 4323 1/4 E. AVE J8 A HP: 300
 Cust #: 0-050-6939 Serv. Acct. #: 036-7354-53
 Meter: V349N-18199 Pump Ref.#: 25250

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 4, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

Equipment
 Pump: N/A No: NO PLATE
 Motor: US No: 1230720640GT04

Results	Test 1	Test 2	Test 3
Discharge Pressure, PSI	30.5	12.0	57.8
Standing Water Level, Feet	310.1	310.1	310.1
Drawdown, Feet	47.3	52.2	43.4
Discharge Head, Feet	70.6	27.7	133.5
Pumping Water Level, Feet	357.4	362.3	353.6
Total Head, Feet	427.9	390.0	487.0
Capacity, GPM	1,861	1,932	1,351
GPM per Foot Drawdown	39.3	37.0	31.1
Acre Feet Pumped in 24 Hours	8.228	8.539	5.971
kW Input to Motor	201.1	208.6	178.6
HP Input to Motor	269.7	279.7	239.5
Motor Load (%)	86.1	89.3	76.5
Measured Speed of Pump, RPM	1,790		
kWh per Acre Foot	587	686	718
Overall Plant Efficiency (%)	74.6	68.0	69.4

Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge. Test #1 was performed with the well pumping to 2 pivots. Test #2 was operated with the booster running. In Test #3 the booster was off and the well was throttled to represent the pressure to a single pivot.

RUSS JOHNSON
 Manager
 Hydraulic Services



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October 7, 2011

DAN WILKE
 WM BOLTHOUSE FARMS
 7200 E. BRUNDAGE LN.
 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: MINN 23-4 W WL
 Location: 6857 1/4 E AVE K A HP: 250
 Cust #: 0-050-6939 Serv. Acct. #: 037-3057-94
 Meter: V349N-18022 Pump Ref. #: 25256

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 6, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

Equipment
 Pump: N/A No: NO PLATE
 Motor: US No: 1230720641GT03

Results	Test 1	Test 2	Test 3
Discharge Pressure, PSI	29.7	6.8	72.5
Standing Water Level, Feet	300.3	300.3	300.3
Drawdown, Feet	36.7	57.9	30.6
Discharge Head, Feet	68.6	15.7	167.5
Pumping Water Level, Feet	337.0	358.2	330.9
Total Head, Feet	405.6	373.9	498.4
Capacity, GPM	1,040	1,550	741
GPM per Foot Drawdown	28.3	26.8	24.2
Acre Feet Pumped in 24 Hours	4.597	6.851	3.275
kW Input to Motor	152.2	172.4	170.1
HP Input to Motor	204.1	231.2	228.1
Motor Load (%)	78.2	88.6	87.4
Measured Speed of Pump, RPM	1,789		
Customer Meter, GPM		1,652	
kWh per Acre Foot	795	604	1,247
Overall Plant Efficiency (%)	52.2	63.3	40.9

The above test results indicate various operating conditions of this pump. Test #1, the well was pumping to 2 pivots. Test #2 had the booster on to the 2 pivots. Test #3 was operated with the booster off and 1 pivot on.

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DAN WILKE
 WM BOLTHOUSE FARMS
 7200 E. BRUNDAGE LN.
 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: MINN 22-4 WELL
 Location: 5517 1/4 E. AVE K A HP: 350
 Cust #: 0-050-6939 Serv. Acct. #: 036-7205-17
 Meter: V349N-17020 Pump Ref.#: 25253

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 6, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

	Equipment		
Pump:	N/A	No:	NO PLATE
Motor:	US	No:	1230720635GT03

<u>Results</u>	<u>Test 1</u>	<u>Test 2</u>	<u>Test 3</u>
Discharge Pressure, PSI	82.5	-4.2	11.5
Standing Water Level, Feet	300.8	300.8	300.8
Drawdown, Feet	39.2	79.2	76.7
Discharge Head, Feet	190.6	-9.7	26.6
Pumping Water Level, Feet	340.0	380.0	377.5
Total Head, Feet	530.6	370.3	404.1
Capacity, GPM	1,023	2,460	2,250
GPM per Foot Drawdown	26.1	31.1	29.3
Acre Feet Pumped in 24 Hours	4.522	10.873	9.945
kW Input to Motor	222.3	251.7	249.4
HP Input to Motor	298.1	337.5	334.4
Motor Load (%)	81.6	92.4	91.5
Measured Speed of Pump, RPM	1,791		
Customer Meter, GPM	1,207	2,361	
kWh per Acre Foot	1,180	556	602
Overall Plant Efficiency (%)	46.0	68.2	68.7

The above test results indicate various operating conditions of this pump. Test #1 was operated with 1 pivot on and the booster off. Test #2 had the booster on with 2 pivots on. In Test #3, the booster was on with the 2 pivots with the discharge valve throttled.

RUSS JOHNSON
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October 7, 2011

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7200 E. BRUNDAGE LN.
BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: MINN 23-3 WELL
Location: 43606 1/4 65TH ST E HP: 250
Cust #: 0-050-6939 Serv. Acct. #: 036-7353-31
Meter: V349N-18003 Pump Ref. #: 25255

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 6, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

	Equipment		
Pump:	N/A	No:	NO PLATE
Motor:	US	No:	1230720641GT01

Results	<u>Test 1</u>	<u>Test 2</u>	<u>Test 3</u>
Discharge Pressure, PSI	94.8	121.5	140.5
Standing Water Level, Feet	302.5	302.5	302.5
Drawdown, Feet	20.3	17.1	13.1
Discharge Head, Feet	219.0	280.7	324.6
Pumping Water Level, Feet	322.8	319.6	315.6
Total Head, Feet	541.8	600.3	640.2
Capacity, GPM	1,011	827	626
GPM per Foot Drawdown	49.8	48.4	47.8
Acre Feet Pumped in 24 Hours	4.469	3.655	2.767
kW Input to Motor	159.0	148.8	133.1
HP Input to Motor	213.2	199.5	178.5
Motor Load (%)	81.7	76.5	68.4
Measured Speed of Pump, RPM	1,787		
Customer Meter, GPM	960		
kWh per Acre Foot	854	977	1,155
Overall Plant Efficiency (%)	64.9	62.8	56.7

This pump is operating in an efficient manner, however records indicate little or no usage during the last twelve months. Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge. Test #1 was pumping to 1 pivot with the 1000 gpm package.

RUSS JOHNSON
Manager
Hydraulic Services



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October 7, 2011

DAN WILKE
 WM BOLTHOUSE FARMS
 7200 E. BRUNDAGE LN.
 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: MINN 21-3 E WL
 Location: 43904 1/4 45TH ST E. HP: 350
 Cust #: 0-050-6939 Serv. Acct. #: 036-7354-04
 Meter: V349N-17888 Pump Ref. #: 25252

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 4, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

	Equipment	
Pump:	FLOWY	No: 77-1276
Motor:	US	No: 1230720635GT01

Results	<u>Test 1</u>	<u>Test 2</u>
Discharge Pressure, PSI	58.8	81.7
Standing Water Level, Feet	294.8	294.8
Drawdown, Feet	49.4	46.9
Discharge Head, Feet	135.8	188.7
Pumping Water Level, Feet	344.2	341.7
Total Head, Feet	480.0	530.4
Capacity, GPM	1,407	1,304
GPM per Foot Drawdown	28.5	27.8
Acre Feet Pumped in 24 Hours	6,219	5,764
kW Input to Motor	190.0	188.3
HP Input to Motor	254.8	252.5
Motor Load (%)	69.7	69.1
Measured Speed of Pump, RPM	1,792	
kWh per Acre Foot	733	784
Overall Plant Efficiency (%)	66.9	69.2

This pump is operating in an efficient manner, however records indicate little or no usage during the last twelve months. Test #1 was operated at a lower than normal pressure. Test #2 is the normal pressure pumping to the pivot. Because of a line failure, further test points were not obtained.

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October 21, 2011

DAN WILKE
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HYDRAULIC TEST RESULTS, Plant: PARDEE 28-1 S
 Location: 43945 1/4 100TH ST E A HP: 300
 Cust #: 0-050-6939 Serv. Acct. #: 036-7353-76
 Meter: V349N-18748 Pump Ref.#: 25264

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 17, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

	Equipment	
Pump:	N/A	No: NO PLATE
Motor:	US	No: 1230720640GT06

Results	<u>Test 1</u>	<u>Test 2</u>	<u>Test 3</u>
Discharge Pressure, PSI	80.0	15.1	68.7
Standing Water Level, Feet	324.5	324.5	324.5
Drawdown, Feet	23.1	33.1	26.7
Discharge Head, Feet	184.8	34.9	158.7
Pumping Water Level, Feet	347.6	357.6	351.2
Total Head, Feet	532.4	392.5	509.9
Capacity, GPM	1,256	1,755	1,379
GPM per Foot Drawdown	54.4	53.0	51.6
Acre Feet Pumped in 24 Hours	5.552	7.757	6.095
kW Input to Motor	192.9	205.1	199.1
HP Input to Motor	258.7	275.0	267.0
Motor Load (%)	82.6	87.8	85.3
Measured Speed of Pump, RPM	1,779		
Customer Meter, GPM	1,243	1,714	
kWh per Acre Foot	834	635	784
Overall Plant Efficiency (%)	65.3	63.2	66.5

The above test results indicate various operating conditions of this pump. In Test #1, 1 pivot was open. Test #2 was performed with 2 pivots open and the booster on. There was an excessive amount of air discharged which was causing cavitation in the booster. Test #3, the booster was off and the discharge valve was throttled.

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 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: PARDEE 20-3 M
 Location: 43847 1/4 93RD ST E HP: 200
 Cust #: 0-050-6939 Serv. Acct. #: 036-7821-91
 Meter: 349M-12600 Pump Ref.#: 25261

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 12, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

	Equipment	
Pump:	N/A	No: NO PLATE
Motor:	US	No: 1130720642GT01

<u>Results</u>	<u>Test 1</u>	<u>Test 2</u>	<u>Test 3</u>
Discharge Pressure, PSI	43.4	68.2	91.5
Standing Water Level, Feet	309.1	309.1	309.1
Drawdown, Feet	34.0	31.6	29.9
Discharge Head, Feet	100.3	157.5	211.4
Pumping Water Level, Feet	343.1	340.7	339.0
Total Head, Feet	443.4	498.2	550.4
Capacity, GPM	1,040	932	875
GPM per Foot Drawdown	30.6	29.5	29.3
Acre Feet Pumped in 24 Hours	4.597	4.119	3.868
kW Input to Motor	152.0	149.0	148.0
HP Input to Motor	203.8	199.8	198.5
Motor Load (%)	97.6	95.7	95.1
Measured Speed of Pump, RPM	1,786		
Customer Meter, GPM	1,077		
kWh per Acre Foot	794	868	919
Overall Plant Efficiency (%)	57.1	58.7	61.3

This pump is operating in an inefficient manner, however records indicate little or no usage during the last twelve months. Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge. During this test, only 1 pivot was operating.

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7200 E. BRUNDAGE LN.
BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: PARDEE 20-4 NE
Location: 9060 1/4 AVE J-8 HP: 350
Cust #: 0-050-6939 Serv. Acct. #: 037-3058-62
Meter: V349N-18021 Pump Ref. #: 25260

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 12, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

Results	Equipment		
	Pump:	N/A	No: NO PLATE
	Motor:	US	No: 1230720635GT02
	Test 1	Test 2	Test 3
Discharge Pressure, PSI	60.8	81.4	98.7
Standing Water Level, Feet	310.8	310.8	310.8
Drawdown, Feet	69.3	67.0	61.9
Discharge Head, Feet	140.4	188.0	228.0
Pumping Water Level, Feet	380.1	377.8	372.7
Total Head, Feet	520.5	565.8	600.7
Capacity, GPM	1,647	1,516	1,386
GPM per Foot Drawdown	23.8	22.6	22.4
Acre Feet Pumped in 24 Hours	7.280	6.701	6.126
kW Input to Motor	248.2	243.9	238.7
HP Input to Motor	332.8	327.1	320.1
Motor Load (%)	91.1	89.5	87.6
Measured Speed of Pump, RPM	1,789		
Customer Meter, GPM	1,612		
kWh per Acre Foot	818	874	935
Overall Plant Efficiency (%)	65.0	66.2	65.7

There is a considerable amount of falling water in the well, making it difficult to make an accurate water level measurement. We believe that the ones shown are approximately accurate. Test 1 is the normal operation of this pump at the time of the above test(s). The other results were obtained by throttling the discharge. During this test, 2 pivots were open.

RUSS JOHNSON
Manager
Hydraulic Services

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Ventura, CA 93004



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October 14, 2011

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BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: PARDEE 28-1 N
Location: 43432 1/4 100TH ST E A HP: 250
Cust #: 0-050-6939 Serv. Acct. #: 036-7352-92
Meter: V349N-17887 Pump Ref. #: 25262

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 12, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)854-7312.

Equipment

Pump: N/A No: NO PLATE
Motor: US No: 0330721394GT01

Results	Test 1	Test 2	Test 3
Discharge Pressure, PSI	72.4	-7.6	-0.8
Standing Water Level, Feet	317.5	317.5	317.5
Drawdown, Feet	19.5	31.2	30.6
Discharge Head, Feet	167.2	-17.6	-1.8
Pumping Water Level, Feet	337.0	348.7	348.1
Total Head, Feet	504.2	331.1	346.3
Capacity, GPM	1,340	2,148	2,120
GPM per Foot Drawdown	68.7	68.8	69.3
Acre Feet Pumped in 24 Hours	5.923	9.494	9.370
kW Input to Motor	181.5	192.2	192.4
HP Input to Motor	243.4	257.7	258.0
Motor Load (%)	93.3	98.8	98.9
Measured Speed of Pump, RPM	1,786		
Customer Meter, GPM	1,194	2,150	
kWh per Acre Foot	736	486	493
Overall Plant Efficiency (%)	70.1	69.7	71.9

The above test results indicate various operating conditions of this pump. Test #1 was performed with 1 pivot open. Test #2 was operated with 2 pivots open and the booster running at 60Hz. Test #3 the booster frequency was lowered to 50.3 Hz.

RUSS JOHNSON
Manager
Hydraulic Services

Well: <i>Romain 2-6</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location: <i>mat 50</i>	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-3-11

Motor: <i>Emerson</i>	HP: <i>150</i>	Volts:	RPM: <i>1780</i>	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date								
Standing Water	<i>247</i>							
Draw Down	<i>69</i>							
Pumping Level	<i>316</i>							
Lift Above Discharge	<i>28</i>							
Total Lift	<i>344</i>							
G.P.M.	<i>553</i>							
GPM/FT			<i>552 GPM</i>					
AC Ft. in 24 Hrs.								
HC Input RPM	<i>67</i>	<i>12 lbs</i>		<i>15" IPS</i>	<i>240 wall</i>			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <i>Rowan 22-11</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
<i>MOJOY</i>	Bowls:
<i>11-2-c11</i>	Well Depth:
	Blank:
	Perforation:

Motor: <i>Emerson</i>	HP: <i>2.5</i>	Volts:	RPM: <i>1785</i>	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date							
Standing Water	<i>212'</i>						
Draw Down	<i>52</i>						
Pumping Level	<i>264'</i>	<i>Falling water</i>					
Lift Above Discharge	<i>150</i>						
Total Lift	<i>414</i>						
G.P.M.	<i>627</i>						
GPM/FT	<i>12</i>	<i>60 gal.</i>				<i>600 RPM</i>	
AC Ft. in 24 Hrs.	<i>2.8</i>		<i>Flow meter</i>			<i>10" IPS 250' well</i>	
HC Input RPM	<i>7.6</i>	<i>65 LBS</i>					
KW Hours Per AC/FT							
EFF							
Cost Per AC/FT							

Well: <i>Power 204</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location: <i>MOT 51</i>	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-3-11

Motor: <i>Emerson</i>	HP: <i>2.50 AP</i>	Volts:	RPM: <i>1780</i>	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date								
Standing Water	<i>223'</i>							
Draw Down	<i>91</i>							
Pumping Level	<i>314'</i>							
Lift Above Discharge	<i>129</i>							
Total Lift	<i>443</i>							
G.P.M.	<i>1089</i>							
GPM/FT	<i>11</i>		<i>1089</i>	<i>SPM</i>				
AC Ft. in 24 Hrs.	<i>4.4</i>							
HC Input RPM	<i>1302</i>	<i>56 lbs</i>	<i>F</i>		<i>10" IPS</i>	<i>260W alk</i>		
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Unit: 5VP 30-1
 Motor: MOT 52
 Location:

11-1-11

Pump: Water Distribution Pump
 Pump Setting:
 Motor:
 Motor Size:
 Motor:
 Motor Brand:
 Motor:
 Motor:

Motor: Emerson HP: 12.5 Volts: 480 RPM: 1785 Code:
 Frame: Type: Pump: Type Oil Lubric

Date:									
Standing Water	182'								
Draw Down									
Pumping Level	??								
LR Above Discharge	18								
Total LR	3								
GPM	520								
GPM/FT									
ACR. In. 24 Hr.									
HP Input RPM	6.3	8263		579.85 gal Per Min			10" 2000 Walk		
KW Input									
KW Hours Per ACR.									
ESF									
Cost Per ACR.									

Well: 3545	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-2-11

Motor: Emerson	HP: 12.5	Volts:	RPM: 1775	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date								
Standing Water								
Draw Down		Com'd	Get					
Pumping Level								
Lift Above Discharge	176							
Total Lift								
G.P.M.	413	412 gal.						
GPM/FT								
AC FL in 24 Hrs.								
HC Input RPM	5.0	76 LBS						
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

7.6 hp motor 500 gal.??
10" 1.75 wall.



Confidential/Proprietary Information

October 14, 2011

RECEIVED

OCT 20 2011

AP DEPT.

DAN WILKE
 WM BOLTHOUSE FARMS
 7200 E. BRUNDAGE LN.
 BAKERSFIELD, CA 93307

HYDRAULIC TEST RESULTS, Plant: PARDEE 20-3 SE
 Location: 9025 1/4 E AVE K A HP: 300
 Cust #: 0-050-6939 Serv. Acct. #: 036-7351-20
 Meter: V349N-17885 Pump Ref.#: 25258

In accordance with your request, an energy efficiency test was performed on your turbine well pump on October 11, 2011. If you have any questions regarding the results which follow, please contact RICK KOCH at (805)654-7312.

Equipment
 Pump: N/A No: NO PLATE
 Motor: US No: 1130720638GT03

Results	Test 1	Test 2	Test 3
Discharge Pressure, PSI	65.8	-8.0	4.0
Standing Water Level, Feet	317.1	317.1	317.1
Drawdown, Feet	28.7	44.7	43.1
Discharge Head, Feet	152.0	-18.5	9.2
Pumping Water Level, Feet	345.8	361.8	360.2
Total Head, Feet	497.8	343.3	369.4
Capacity, GPM	1,184	2,211	2,104
GPM per Foot Drawdown	41.3	49.5	48.8
Acre Feet Pumped in 24 Hours	5.233	9.773	9.300
kW Input to Motor	199.0	224.8	222.6
HP Input to Motor	266.9	301.5	298.6
Motor Load (%)	85.2	96.3	95.3
Measured Speed of Pump, RPM	1,791		
Customer Meter, GPM	1,158		
kWh per Acre Foot	913	552	575
Overall Plant Efficiency (%)	55.8	63.6	65.7

This pump is operating in an inefficient manner, however records indicate little or no usage during the last twelve months. In Test #1, the pump was pumping to 1 pivot. Test #2 was operated with 2 pivots on and the booster running. Test #3 was throttled with the booster running to the 2 pivots.

RUSS JOHNSON
 Manager
 Hydraulic Services

Well: <i>Anderson South</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-29-11

Motor:	HP:	Volts:	RPM:	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date								
Standing Water	117'							
Draw Down	61							
Pumping Level	178							
Lift Above Discharge	125							
Total Lift	303							
G.P.M.	2269							
GPM/FT	37	222.8						
AC Ft. in 24 Hrs.	10							
HC Input RPM	27.5	5.4 LBS	220V motor 230V	10" EPS	250 wall			
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Well: <i>Brown Oak</i>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-29-11

Motor: <i>Deum</i>	HP: <i>300 HP</i>	Volts:	RPM:	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date									
Standing Water	<i>109'</i>								
Draw Down	<i>115</i>								
Pumping Level	<i>224'</i>								
Lift Above Discharge	<i>65</i>								
Total Lift	<i>289</i>								
G.P.M.	<i>1089</i>	<i>1089 gpm</i>							
GPM/FT	<i>9.5</i>								
AC Ft. in 24 Hrs.	<i>4.8</i>								
HC Input RPM	<i>132</i>	<i>281.8</i>	<i>flow rate</i>	<i>1050</i>					
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									

Well: <u>yard north</u>	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location:	CT&S Size:
	Bowls:
	Well Depth:
	Blank:
	Perforation:

11-22-11

Motor:	HP: <u>350</u>	Volts: <u>1-1</u>	RPM:	Serial:
Frame: <u>Johnson</u>	Type:	Pump:	Type Oil Lube:	

Date								
Standing Water	<u>84'</u>							
Draw Down	<u>52</u>							
Pumping Level	<u>136'</u>							
Lift Above Discharge	<u>46</u>							
Total Lift	<u>182</u>							
G.P.M.	<u>2475</u>	<u>2075 X</u>						
GPM/FT	<u>48</u>							
AC Ft. in 24 Hrs.	<u>11</u>							
HC Input RPM	<u>30+</u>	<u>20 lbs</u>		<u>10" IPS .260 Wall</u>				
KW Hours Per AC/FT								
EFF								
Cost Per AC/FT								

Model: SAP 36-2
 Status:
 Length:
 Location:

Pump Data Registration Date:
 Pump Setting:
 Material:
 VES Code:
 Brand:
 Serial Number:
 Manufacturer:

11-1-11

Emerson

Model: Mot 53 HP: 200 AP: 1 Voltage: 1 RPM: 1780 Size:
 Frame: 1 Type: 1 Pump: 1 Type Oil Lube:

Date:									
Standing Water	209'								
Down Down	72								
Pumping Level	281'								
LIR Above Discharge	25								
Total LIR	306								
GPM	1180								
CFM	16								
ACR, In. 24 Hr.	5.2								
HP Input RPM	14.3	11 lbs						250 Wt	10"
KW Input									
KW Hours Per ACR									
HP									
Cost Per ACR									

Well: 35-4-N	Pump Data Installation Date:
Meter:	Pump Setting:
Legal:	Airline:
Location: MDT 56	CT&S Size:
11-2-11	Bowls:
	Well Depth:
	Blank:
	Perforation:

Motor: Presump	HP: 200HP	Volts:	RPM: 1780	Serial:
Fram:	Type:	Pump:	Type Oil Lube:	

Date 11-2-11									
Standing Water	210								
Draw Down	81								
Pumping Level	291								
Lift Above Discharge	132								
Total Lift	423								
G.P.M.	1106	11.05							
GPM/FT	14	1000							
AC Ft. in 24 Hrs.	4.9								
HC Input RPM	13.4	57					16" I.P.S. @ 250 Wd/W		
KW Hours Per AC/FT									
EFF									
Cost Per AC/FT									