

**ADDENDUM NO 1**  
**ITB 2025-Q**  
**NEW ELLISVILLE WELL NO. 3**

Answers to Questions

1. The length of the pipe section?
  - a. **600’.**
2. What is the Draw
  - a. **Unknown to Staff. Ground water level at existing well is at 50’**
3. What is the diameter of the casing?
  - a. **12”**
4. Will there be any plans attached.
  - a. **No**
5. Water line connection will be tap.
  - a. **Yes**
6. Pump column size and setting:
  - a. **Column is 6”**
7. Pump TDH: Pump output of 400gpm is noted.
8. What is the depth of the Turbine pump and tail section length?
  - a. **Turbine depth is 130’ with 10’ tailstock**
9. Should Turbine be held outside of casing?
  - a. **No, Turbine with tailstock shall remain in the casing.**
10. Desired pump/motor rpm: Appendix G-1 Vertical Turbine Well Pump displays curves for eight different pumps: four 3,550rpm pumps and four 1,770rpm pumps. 1,770 motors are more traditional and would provide longer service life along with the pump.
  - a. **The pump shall be Vertical Turbine Line Shaft Pump, Mfr: National Pump, Model: M8, XHC, 3 Stage, Trim 6.675**
  - b. **US Motor Model HAO3, 15 HP, 3 phase. 1770 RPM**
11. Pump make: Other than National Pump, are any other manufacturers such as Flowserve, Fairbanks Morse, Goulds, etc. that can provide a pump model comparable in efficiency and performance acceptable for use?
  - a. **No, Please See Response 10**
12. The chart in Chapter 1 under “Brief Description and Action Plan” references a 5-stage bowl assembly, although the drawings state a 3-stage bowl.
  - a. **3 Stage bowl, Please See Response 10a.**
13. Will there be lubrication to match the existing well.
  - a. **Yes a 1 inch lubrication line PVC or Poly. Ty into existing PVC lubrication line.**
14. Is there any form of electrical drawings available for this project?
  - a. **Columbia County determined that the electrical service would be a separate contract. The County will bid out the scope of work covering the electrical section**

15. Is there any more clarification of the pumps necessary for this project such as pump performance such as TDH? which is based around a 400gpm rate.
  - a. **Response 10. During design Columbia County amended the well pump to match the existing Well Nos. 1 & 2 Pumps. Per the bid schedule, “The pump shall be Vertical Turbine Line Shaft Pump, Mfr: National Pump, Model: M8, XHC, 3 Stage, Trim 6.675**
  - b. **US Motor Model HAO3, 15 HP, 3 phase, 1770 RPM” Please see the attached email. Please ignore any other references to older pump design(s).**
16. Is there any more clarification of the pumps necessary for this project such as pump performance such as TDH? which is based around a 400gpm rate.
  - a. **See response 10 or 15.**
17. Is there any clarification on pumps I see reference to one 3550 rpm pump and another to a 1750 rpm pump, is there any clarification to that?
  - a. **See response 10 or 15.**
18. Is there any more information like pump performance and build, pump settings, column size and or voltage?
  - a. **No, See response 10 or 15.**

**Additional Information from Existing Well**

Please review additional attached documents for Existing Well Specs



7/25/2025



**WELL COMPLETION REPORT** (Please complete in black ink or type.)

PERMIT # **E000468** CUP/WUP # **WUP070122M** DID # \_\_\_\_\_

If permit is for multiple wells indicate the number of wells drilled **1**

Indicate remaining wells to be cancelled **0**

WATER WELL CONTRACTOR'S

SIGNATURE \_\_\_\_\_ License # **2622**

TYPED **RONNIE HUGHES**

*This was an electronic submission.*

*I certify that the information provided in this report is accurate and true.*

Grout	No. of Bags	From (Ft.)	To (Ft.)
Cement	15	0	20
Cement	16	270	275

WELL LOCATION: County **Columbia**

NW 1/4 of **NW 1/4** of Section **11** Twp: **-6** Rge: **17**

Latitude **295957** Longitude **0823458**

<p>DATE STAMP</p> <p>Received 10/03/2008 Official Use Only</p>	<p>Sketch of well location on property Give distances from septic tank and house or other reference points.</p> <p>WELL SKETCH ATTACHED and Inspection Reports</p>
<p>CHEMICAL ANALYSIS WHEN REQUIRED</p> <p>Iron: ___ ppm Sulfate: ___ ppm Chloride: ___ ppm [ ] Lab Test [ ] Field Test Kit</p>	

Pump Type: **Turbine**  
Horsepower: **15** Capacity **400** G.P.M.: **400**  
Pump Depth: **130** ft. Intake Depth: **130** ft.

OWNER'S NAME **COLUMBIA COUNTY BOARD OF COMMISSIONERS**

COMPLETION DATE **08/05/2008** Florida Unique I.D. \_\_\_\_\_

WELL USE **Public supply**

DRILL METHOD **Combination**

Measured Static Water Level **58** ft. Total Depth: **275** ft.  
Measured Pumping Water Level \_\_\_\_\_ ft. Casing Depth: **151** ft.  
After \_\_\_\_\_ hours at \_\_\_\_\_ G.P.M. Casing Diam: **12** in.  
Casing **Black Steel**

[X] Open Hole [ ] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.		
	From	To	Color	Grain Size	Type of Material
Casing Diameter & Depth (Ft.)	0	5	DK BROWN	FINE	SAND
	5	15	DK ORANGE	FINE	SAND
Diameter: 12 in. From: 0 ft. To: 151 ft.	15	20	LT TAN	FINE	SAND
	20	30	LT GRAY	FINE	CLAY
Diameter: _____ From: _____ To: _____	30	40	LT GRAY	SOFT	SANDSTONE
	40	60		SOFT	ROCK (LOST CIRCULATION)
Diameter: _____ From: _____ To: _____	60	75		MEDIUM	ROCK ( NO RETURN)
	75	78			OPEN CAVERN (NO RETURN)
	78	85		MEDIUM	ROCK ( NO RETURN)
	85	90		HARD	ROCK (NO RETURN)
	90	110		SOFT	ROCK (NO RETURN)
	110	115		MEDIUM	ROCK (NO RETURN)
	115	117			OPEN CAVERN (NO RETURN)
	117	125		SOFT	ROCK (NO RETURN)
	125	135	LT GRAY/TAN	SOFT	SHELLSTONE
	135	155	LT TAN	SOFT	SHELLSTONE
	155	175	LT TAN	SOFT	SHELLSTONE
	175	195	LT TAN	SOFT	SHELLSTONE
	195	215	LT TAN	SOFT	SHELLSTONE
	215	235	LT TAN	SOFT	SHELLSTONE
	235	255	LT TAN	SOFT	SHELLSTONE
	255	270	LT TAN	SOFT	SHELLSTONE
	270	275	LT TAN	MEDIUM	ROCK/SILT

Driller's name **GARY W. DICKS & RONNIE J. HUGHES**

**WELL COMPLETION REPORT** (Please complete in black ink or type.)

PERMIT # **E000469** CUP/WUP # **WUP070122M** DID # **1**  
 If permit is for multiple wells indicate the number of wells drilled  
 Indicate remaining wells to be cancelled **0**  
 WATER WELL CONTRACTOR'S SIGNATURE \_\_\_\_\_ License # **2622**

TYPED **RONNIE HUGHES**

*This was an electronic submission.*

*I certify that the information provided in this report is accurate and true.*

Grout	No. of Bags	From (Ft.)	To (Ft.)
Cement	15	0	20
Cement	16	250	255

WELL LOCATION: County **Columbia**

NW 1/4 of NW 1/4 of Section **11** Twp: **-6** Rge: **17**

Latitude **295957** Longitude **0823458**

DATE STAMP Received 10/07/2008 Official Use Only	Sketch of well location on property Give distances from septic tank and house or other reference points.  WELL SKETCH ATTACHED Inspection reports
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CHEMICAL ANALYSIS WHEN REQUIRED

Iron: \_\_\_ppm Sulfate: \_\_\_ppm  
 Chloride: \_\_\_ppm  
 Lab Test  Field Test Kit

Pump Type: **Turbine**  
 Horsepower: **15** Capacity **400** G.P.M.: **400**  
 Pump Depth: **130** ft. Intake Depth: **130** ft.

OWNER'S NAME **COLUMBIA COUNTY BOARD OF COMMISSIONERS**

COMPLETION DATE **09/05/2008** Florida Unique I.D. \_\_\_\_\_

WELL USE **Public supply**

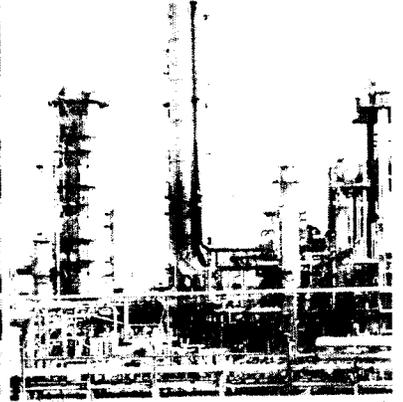
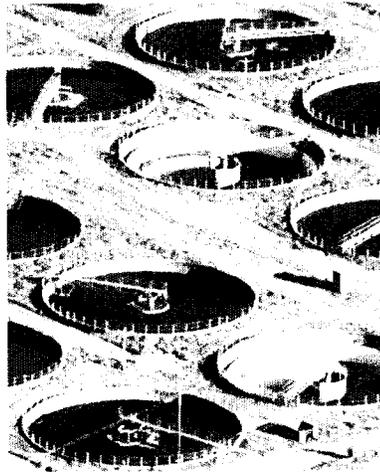
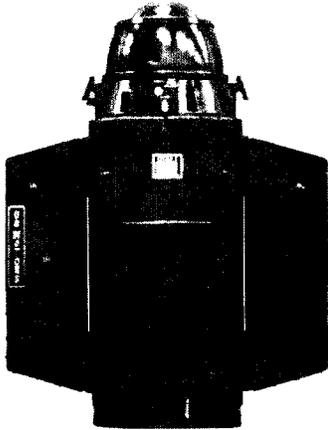
DRILL METHOD **Combination**

Measured Static Water Level **59** ft. Total Depth: **255** ft.  
 Measured Pumping Water Level \_\_\_\_\_ ft. Casing Depth: **156** ft.  
 After \_\_\_\_\_ hours at \_\_\_\_\_ G.P.M. Casing Diam: **12** in.  
 Casing **Black Steel**

Casing Diameter & Depth (Ft.)	Depth (Ft.)		Color	Grain Size	Type of Material
	From	To			
Diameter: 12 in.	0	5	LT GRAY	FINE	SAND
	5	20	DK ORANGE	MEDIUM	CLAY
From: 0 ft. To: 156 ft.	20	25	LT TAN	HARD	CHRUPSTONE
	25	30	LT GREEN & TAN	FINE	CLAY
Diameter: From: To:	30	35	LT TAN	HARD	CHRUPSTONE
	35	55	WHITE	MEDIUM	ROCK (NO RETURN)
Diameter: From: To:	55	65	WHITE	MEDIUM	ROCK (NO RETURN)
	65	75	WHITE	MEDIUM	ROCK (NO RETURN)
	75	85	WHITE	HARD	ROCK (NO RETURN)
	85	115	WHITE	MEDIUM	ROCK (NO RETURN)
	115	125	WHITE	MEDIUM	ROCK (NO RETURN)
	125	150	WHITE	SOFT	ROCK (NO RETURN)
	150	176	LT TAN	SOFT	SHELLSTONE
	176	196	LT TAN	SOFT	SHELLSTONE
	196	216	LT TAN	SOFT	SHELLSTONE
	216	236	LT TAN	MEDIUM	SHELLSTONE
	236	255	LT TAN	SOFT	SHELLSTONE

Driller's name **GARY W. DICKS & RONNIE J. HUGHES**

# Vertical High Thrust Motors



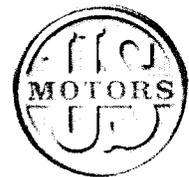
## INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Well #1 254 TPA - AB 1770 RPM  
Upper bearing # 6210 1yr interval .4 FLOZ  
Lower bearing # 7310 1yr interval .6 FLOZ

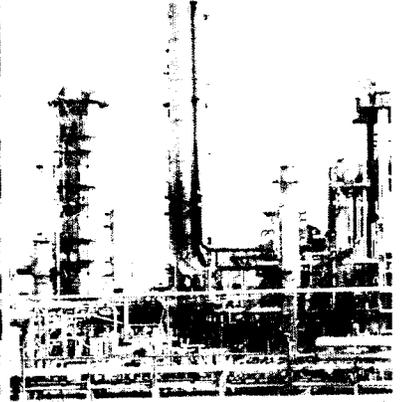
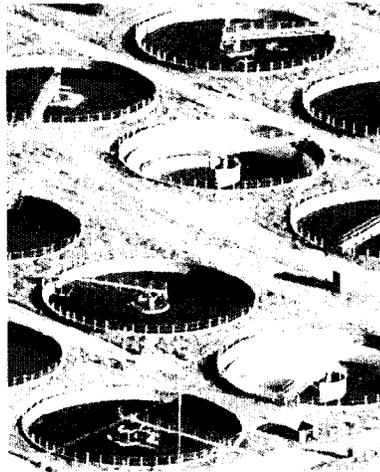
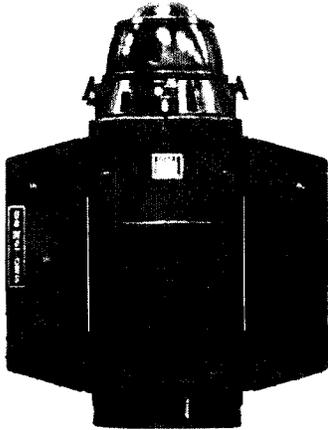
Well #2 254 TPA AU 1770 RPM

Upper bearing # 6210 1yr interval .4 FLOZ  
Lower bearing # 7310 1yr interval .6 FLOZ

Save this instruction manual for future reference.



# Vertical High Thrust Motors



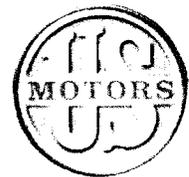
## INSTALLATION, OPERATION AND MAINTENANCE MANUAL

Well #1 254 TPA - AB 1770 RPM  
Upper bearing # 6210 1yr interval .4 FL OZ  
Lower bearing # 7310 1yr interval .6 FL OZ

Well #2 254 TPA AU 1770 RPM

Upper bearing # 6210 1yr interval .4 FL OZ  
Lower bearing # 7310 1yr interval .6 FL OZ

Save this instruction manual for future reference.



When we checked well #1 perching  
the down pipe (check the down pipe down  
the hole of the well) it felt like it  
wasn't going down.

Well #1 East well	6" Down pipe
Serial # 676290-1	12 10' Sections
Model # M8	2 5' Sections
Imp X HE	1 10' Tail Sections
Stage 3	143' Total
Trim 6.675	

60' To water  
20 Aug 14

changed Bearing on well shaft  
& put well back in.

**END OF ADDENDUM NO. 1**  
(Please acknowledge receipt of Addendums)