Drawing 1: Pumping Layout (A Abu Saleh - 15-19/5)
North

Install 6" Gate valve & Dresser
Connect to existing 6" pipe

2" gate valve

3" gate valve

Steel plate 100 x100x2 cm

12" casing

Steel plate 100 x100x2 cm

Strainer

6" Non-Return valve

6" dresser

2" gate valve

Air release valve

No flow switch, pressure gauge & pressure switch

1.50

1.50

1.35

0.50

1.65

4.50

North

Install 6" Gate valve & Dresser
Connect to existing 6" pipe

2" gate valve

3" gate valve

6" water meter

Control Pannel

Drawing 2: Pumping Layout (N. Al-Masri- 19-17/46)

Scale:
North

Install 6" Gate valve & Dresser
Connect to existing 6" pipe

6" water meter

Jack

Steel plate 100 x100x2 cm

6" Non-Return valve

6" dresser

2" gate valve

air release valve

No flow switch, pressure gage & pressure switch

12" casing

6" water meter

2" PRV

2" gate valve

3" gate valve

3" water meter

6" water meter

Control Panel

Install new roof for this part of room as solid slab with thickness 20 cm and 12 mm diam bars 15 cm c/c in both directions

Install new door with height of 2.2 m

Add new wall and a new 1.4x2.2 steel door

Construct new roof for this part of room as solid slab with thickness 20 cm and 12 mm diam bars 15 cm c/c in both directions
Steel window with guards and galvanized steel screen openings
1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings
1x1 cm, wires 2 mm

Steel plate 100x100x2 cm

12" casing

No flow switch, pressure gage and pressure switch

2" gate & air release valve

6" dresser

6" Non-return valve and strainer

Rebuild with concrete blocks 20 cm thick

6" water meter

6" steel pipe

6" gate valve

Add 6" dresser connect to existing pipe

North

Extend column 2m above roof slab

3" gate valve

2" gate valve

Steel door width = 2m, height = 2.2 m

Drawing 4: Pumping Layout (R. Shaka- 19-17/34)
Steel plate 100x100x2cm
12" casing

2" gate & air release valve
4" dresser
4" Non-return valve
3" gate valve
2" gate valve

No flow switch, pressure gage and pressure switch

4" water meter
6" steel pipe

4" gate valve
Add 4" dresser connect to existing pipe

Drawing 5: Piping Plan (R. Habash well-17-19/001)
Add 4" dresser and connect to existing pipe

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel plate 100*100* 2 dm plate

2" gate valve

12" casing

2" gate valve

4" Non-Return valve and strainer

4" water meter

No flow switch

Pressure gauge & switch

2" gate & air release valve

1.25 x 2.2 steel door

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Drawing 6A: Piping Plan (A. Irsan well, 17-19/002)
RC beams 50 x 50 cm
under the four walls with
6 bars 12 mm diam, and
stirrups 8 mm 40 cm c/c

10 cm RC slab with 8 mm 20 cm
C/C in both directions

20x 35 cm drop beam with 4-12 mm
and 8 mm stirrups 25 cm C/C

walls of 20 cm concrete blocks

15 cm RC roof slab bars 10 mm
20 cm C/C in both directions

Drawing 6B: Section A-A (17-19/002)
Scale:
Drawing 8: Piping Plan (M. Shadeed well, 15-19/22)

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Add 4" dresser and connect to existing pipe

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Replace existing door with new steel door

6" Non-Return valve and strainer

Install new steel door

Install new divide wall

Replace existing door with new steel door

No flow switch

pressure gage & switch

Replace existing door with new steel door

Replace existing door with new steel door

6" water meter

3" gate valve

2" PRV

Add 4" dresser and connect to existing pipe

2" gate valve

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

Steel window with guards and galvanized steel screen openings 1x1 cm, wires 2 mm

12" casing

2" gate & air release valve

Steel plate 100*100* 2 dm plate

Scale: 0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0 33.0 34.0 35.0 36.0 37.0 38.0 39.0 40.0 41.0 42.0 43.0 44.0 45.0 46.0 47.0 48.0 49.0 50.0 51.0 52.0 53.0 54.0 55.0 56.0 57.0 58.0 59.0 60.0 61.0 62.0 63.0 64.0 65.0 66.0 67.0 68.0 69.0 70.0 71.0 72.0 73.0 74.0 75.0 76.0 77.0 78.0 79.0 80.0 81.0 82.0 83.0 84.0 85.0 86.0 87.0 88.0 89.0 90.0 91.0 92.0 93.0 94.0 95.0 96.0 97.0 98.0 99.0 100.0

Drawing 6A: Piping Plan (A. Irsan well, 17-19/002)
Electrical Control and Power Distribution Board
Well No. 15 - 19 - 22 (M. M. Shadeed)
Earth Busbar
Well No. 15 - 19 - 22 (M. M. Shadeed)
Pump Cooling System
Well No. 15 - 19 - 22 (M. M. Shaded)
Earth Busbar
Well No. 15-19-005 (A. Abu Saleh)
Pump Cooling System

Well No. 15-19-005 (a. Abu Salch)

1000 Ltr PVC Water Tank

1" Galvanized Steel Pipe Line

Ball Valve to be connected with discharge pipe line

1" Solinoid valve to be connected with well head
Earth Busbar
Well No. 19-17-46 (N. Al Masri)
Pump Cooling System
Well No. 19-17-46 (N Al Masri)

1000 Ltr PVC Water Tank

1" SOLINOID VALVE TO BE CONNECTED WITH WELL HEAD
1" GALVANIZED STEEL PIPE LINE
BALL VALVE TO BE CONNECTED WITH DISCHARGE PIPE LINE
Electrical Control and Power Distribution Board
Well No. 19-17-45 (H. Ibasi)
Earth Busbar
Well No. 19-17-45 (H. Ibaisi)

- Electrodes
- Galvanize
- Metal Work
- Well Plate
- Copper Conductor
- Water Pipe
- DB
Pump Cooling System
Well No. 19-17-45 (H. Ibaasi)

1000 Ltr. PVC Water Tank

1" GALVANIZED STEEL PIPE LINE

BALL VALVE TO BE CONNECTED WITH DISCHARGE PIPE LINE

1" SOLINOID VALVE TO BE CONNECTED WITH WELL HEAD
Earth Busbar
Well No. 19 - 17 -34 (R. Shaka)
Pump Cooling System
Well No. 19 - 17 - 34 (K. Shak'ah)

1000 Ltr PVC Water Tank

1" GALVANIZED STEEL PIPE LINE
BALL VALVE TO BE CONNECTED WITH DISCHARGE PIPE LINE

1" SOLINOID VALVE TO BE CONNECTED WITH WELL HEAD
Earth Busbar
Well No. 17 - 19 - 1 (R. Habash)
Earth Busbar
Well No. 17-19-2 (A. Irsan)
Earth Busbar
Well No. 17-21-9 (I. M. Ibrahim)