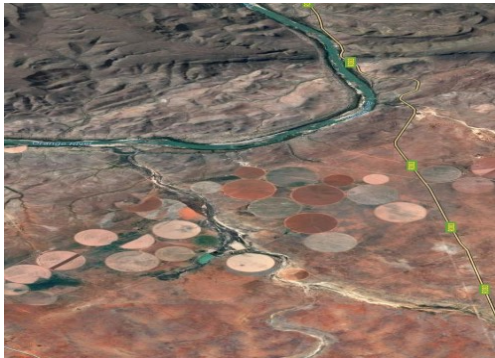


Wilkot Boerdery
802KWp Ground Solar Installation
NERSA License – Net Metering System
August 2019



Wilkot Company Profile & PV System Headline:

- Wilkot Farming is hybrid farming operation situated on the banks of the Orange River in Marydale in the Northern Cape Province. Farming consists of cotton, lucerne and other crops (all under irrigation) and sheep. The main activity is a cotton mill utilised for the farm's own production as well as providing toll milling for farmer's in the area.
- **Surplus Energy from the PV System is pushed back into the Eskom Grid earning Wilkot power credits. Daily Production 4.6 MWh.**



Wilkot PV Plant Design

- **Total PV Plant Size: 802 KWp**
- **PV Panels:** Canadian Solar 330W Poly
 - Rating: 330W
 - Efficiency: 17%
 - Width: 992mm
 - Height: 1,960mm
- **Inverters:** Huawei SUN2000 36KTL
36kW 3phase
 - Rating: 36,000W
 - Phases: 3
 - Max power: 40kVA
 - Rated power: 36kW
 - Maximum efficiency: 98.8%
- **Transformers:** 2 * 500kVA 22-0.4kV Dyn11
 
- **Eskom Grid Connection: Self Build & Live Connection**



SunRanch.Solar
WHERE THE SUN NEVER SETS



**Project Start-Up:
Soil Prep & Civils.
Survey for Drill Holes.
Placement of anchors for support
structure.**



SunRanch.Solar
WHERE THE SUN NEVER SETS



Clockwise from Top Left:

- Installing Panel Support Framework.
- Panels, Distribution Boxes & Trenches for cables.
- Laying Cables.





- Solar Generator Completed.





Clockwise Left to Right:

- High Volt V Grid Connection – Self Built – 22KVA.
- Inspection by Eskom Technical Team.



On the Lighter Side:

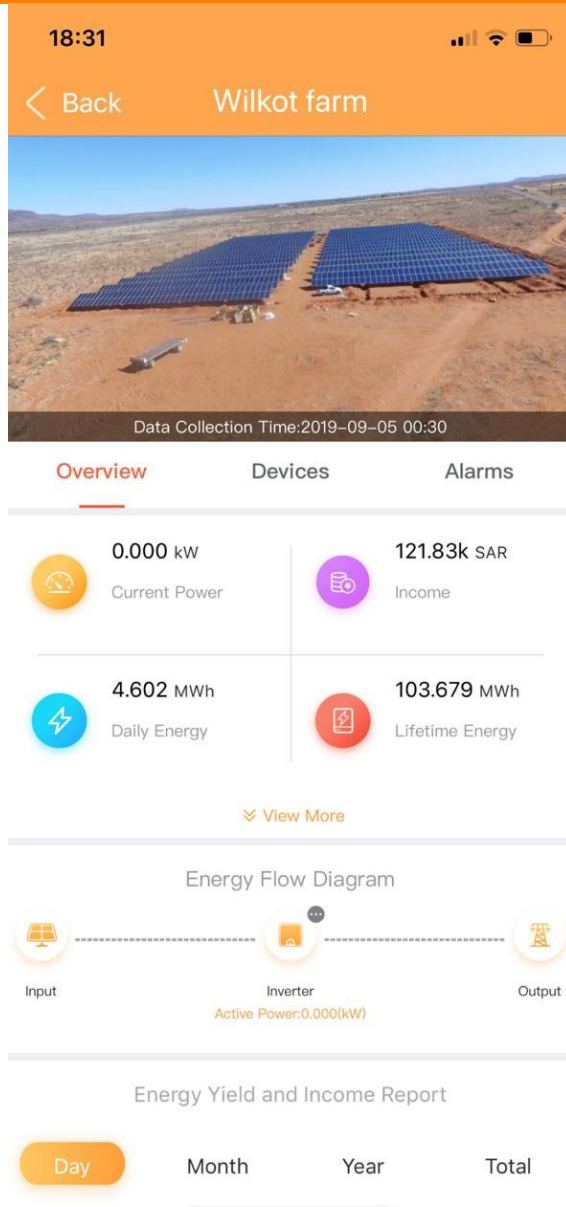
- **Hard Manual Work in Temperatures reaching 48 Degrees.**
- **Local Pets enjoying shade under the solar panels.**
- **Porcupine Holes provided a challenge.**





Clockwise from Left to Right:

- Eskom doing live connection to grid.
- Satisfied Client.
- First Visitors.



Contact Us:

Office Address:

9 Regency Drive, Block D, Route 21 Corporate Park, Pretoria

Postal Address:

P O Box 2000
Groenkloof 0027.

Website: www.sunranch.solar

Tel: Willem: +27 72 277 3503
Gail: +27 82 921 4704
Charles:+27 72 286 9288

Email: willemm@sunranch.solar
gails@sunranch.solar
charlespm@sunranch.solar

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- **Saving the Client Costs, Saving Money.**