

# MAGELLAN PETROLEUM (N.T.) PTY. LTD.

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DDB:DLP

January 14, 1983

Director of Energy,  
Department of Mines & Energy,  
Minerals House,  
66 The Esplanade  
DARWIN N.T. 5790

Dear Dr. Campbell,

## PALM VALLEY - WELL TESTS

I am enclosing the programme for the static build-up and gradient tests for the Palm Valley well. These tests will be carried out by Gearhart Pty. Ltd. using the equipment assembled for the Mereenie production tests. This test programme is expected to commence on January 20, 1983.

Please advise if any further information is required.

Regards

Sincerely,

*Dennis Benbow*

Dennis Benbow  
Operations Manager

cc: Jim Starr w/encl.

*Pat Reg*  
*A.D. 1/11* → *F.T.*  
*cc. TJS*  
*D 18/11*  
*83*

*Original on file*

## PALM VALLEY TEST PROGRAMME

### STATIC PRESSURE - GRADIENT TESTS

1. Measure shut in surface pressure with dead weight tester.
2. Rig up Gearhart unit with H.P./Amerada pressure bombs.

Note: Top connections on wells are:

PV-1/2-3/8"    PV-2/2"    PV-3/3-1/2"

3. Run pressure bombs to pressure test depth. Refer attached table for K.B. depths in each well.
4. Measure static pressure until stable for one hour.
5. Measure gradient pressure at depths of 500, 1000, 1500, 2000 feet above test depth.
6. Recover bombs and rig down unit.

January 13, 1983  
DDB:DLP

PALM VALLEY - TEST TABLE

| <u>WELL</u> | <u>K.B.</u> | <u>TUBING<br/>DEPTH</u> | <u>PRESSURE<br/>TEST<br/>DEPTH</u> | <u>GRADIENT STOPS</u> |      |      |      |
|-------------|-------------|-------------------------|------------------------------------|-----------------------|------|------|------|
|             |             |                         |                                    | 500                   | 1000 | 1500 | 2000 |
| PV-1        | 1919        | 5202                    | 5600                               | 5100                  | 4600 | 4100 | 3600 |
| PV-2        | 3004        | 6559                    | 6500                               | 6000                  | 5500 | 5000 | 4500 |
| PV-3        | 3040        | 6717                    | 6700                               | 6200                  | 5700 | 5200 | 4700 |

Note: 1. PV-1 bombs will be outside tubing.

2. Pressure test depth is near subsea datum of 3740 ft. subsea.