

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Caulkins Oil Company

Lease State A

Well No. 113E

Location of Well: Unit P Sec. 2 Twp. 26 North Rge. 6 West County Rio Arriba

Name of Reservoir or Pool

Type of Prod. (Oil or Gas)

Method of Prod. (Flow or Art. Lift)

Prod. Medium (Tbg. or Csg.)

|                  |                   |            |             |               |
|------------------|-------------------|------------|-------------|---------------|
| Upper Completion | <u>Mesa Verde</u> | <u>Gas</u> | <u>Flow</u> | <u>Tubing</u> |
| Lower Completion | <u>Dakota</u>     | <u>Gas</u> | <u>Flow</u> | <u>Tubing</u> |

| PRE-FLOW SHUT-IN PRESSURE DATA |                                                     |                                         |                            |                                          |
|--------------------------------|-----------------------------------------------------|-----------------------------------------|----------------------------|------------------------------------------|
| Upper Compl                    | Hour, date <u>9-10-81</u><br>Shut-in <u>9:30 AM</u> | Length of time shut-in <u>168 Hours</u> | SI press. <u>1051</u> psig | Stabilized? <u>(XXX or No)</u> <u>No</u> |
| Lower Compl                    | Hour, date <u>9-10-81</u><br>Shut-in <u>9:30 AM</u> | Length of time shut-in <u>168 Hours</u> | SI press. <u>1249</u> psig | Stabilized? <u>(XXX or No)</u> <u>No</u> |

| FLOW TEST NO. 1                                   |                    |              |                                  |                  |                       |
|---------------------------------------------------|--------------------|--------------|----------------------------------|------------------|-----------------------|
| Commenced at (hour, date)* <u>9-17-81 9:30 AM</u> |                    |              | Zone producing (Upper or Lower): |                  |                       |
| Time (hour, date)                                 | Lapsed time since* | Pressure     |                                  | Prod. Zone Temp. | Remarks               |
|                                                   |                    | Upper Compl. | Lower Compl.                     |                  |                       |
| <u>9:45 AM</u>                                    | <u>15 Min.</u>     | <u>1051</u>  | <u>277</u>                       |                  | <u>Dakota Flowing</u> |
| <u>10:00 AM</u>                                   | <u>30 Min.</u>     | <u>1051</u>  | <u>117</u>                       |                  | <u>Dakota Flowing</u> |
| <u>10:15 AM</u>                                   | <u>45 Min.</u>     | <u>1051</u>  | <u>101</u>                       |                  | <u>Dakota Flowing</u> |
| <u>10:30 AM</u>                                   | <u>1 Hour</u>      | <u>1051</u>  | <u>93</u>                        |                  | <u>Dakota Flowing</u> |
| <u>11:30 AM</u>                                   | <u>2 hours</u>     | <u>1051</u>  | <u>57</u>                        |                  | <u>Dakota Flowing</u> |
| <u>12:30 PM</u>                                   | <u>3 Hours</u>     | <u>1053</u>  | <u>49</u>                        |                  | <u>Dakota Flowing</u> |

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

| MID-TEST SHUT-IN PRESSURE DATA |                                                     |                                         |                            |                                          |
|--------------------------------|-----------------------------------------------------|-----------------------------------------|----------------------------|------------------------------------------|
| Upper Compl                    | Hour, date <u>9-17-81</u><br>Shut-in <u>9:00 AM</u> | Length of time shut-in <u>168 Hours</u> | SI press. <u>1173</u> psig | Stabilized? <u>(XXX or No)</u> <u>No</u> |
| Lower Compl                    | Hour, date <u>9-17-81</u><br>Shut-in <u>9:00 AM</u> | Length of time shut-in <u>168 Hours</u> | SI press. <u>1277</u> psig | Stabilized? <u>(XXX or No)</u> <u>No</u> |

| FLOW TEST NO. 2                                    |                      |              |                                  |                  |                           |
|----------------------------------------------------|----------------------|--------------|----------------------------------|------------------|---------------------------|
| Commenced at (hour, date)** <u>9:00 AM 9-24-81</u> |                      |              | Zone producing (Upper or Lower): |                  |                           |
| Time (hour, date)                                  | Lapsed time since ** | Pressure     |                                  | Prod. Zone Temp. | Remarks                   |
|                                                    |                      | Upper Compl. | Lower Compl.                     |                  |                           |
| <u>9:15 AM</u>                                     | <u>15 Min.</u>       | <u>171</u>   | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |
| <u>9:30 AM</u>                                     | <u>30 Min.</u>       | <u>161</u>   | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |
| <u>9:45 AM</u>                                     | <u>45 Min.</u>       | <u>149</u>   | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |
| <u>10:00 AM</u>                                    | <u>1 Hour</u>        | <u>133</u>   | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |
| <u>11:00 AM</u>                                    | <u>2 Hours</u>       | <u>97</u>    | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |
| <u>12:00 (noon)</u>                                | <u>3 Hours</u>       | <u>41</u>    | <u>1277</u>                      |                  | <u>Mesa Verde Flowing</u> |

Production rate during test

Oil: \_\_\_\_\_ BOPD based on \_\_\_\_\_ Bbls. in \_\_\_\_\_ Hrs. \_\_\_\_\_ Grav. \_\_\_\_\_ GOR \_\_\_\_\_

Gas: \_\_\_\_\_ MCFPD; Tested thru (Orifice or Meter): \_\_\_\_\_

REMARKS: \_\_\_\_\_

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: \_\_\_\_\_

Oil Conservation Division

Original Signed by CHARLES GHOLSON

By \_\_\_\_\_

Operator Caulkins Oil Company

By Charles Gholson

Title Superintendent

Date 9-24-81

Title DEPUTY OIL & GAS INSPECTOR DIST #

ILLECIBLE

15min 30min 45min 1 hr. 2 hr. 3 hr.

