

## 28b. Production - Interval C

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

## 28c. Production - Interval D

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

29. Disposition of Gas (Solid, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name                                                                                                    | Top<br>Meas. Depth                                                   |
|-----------|-----|--------|------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|           |     |        |                              | CHACRA<br>CLIFF HOUSE<br>MENEFE<br>POINT LOOKOUT<br>MANCOS<br>GALLUP<br>GREENHORN<br>GRANEROS<br>DAKOTA | 4000<br>4742<br>5080<br>5421<br>5785<br>6605<br>7450<br>7507<br>7573 |

32. Additional remarks (include plugging procedure):  
Tubing pressure is SI.

Opened Mesaverde by fracing into DV tool @ 4831'. Verbal approval from Steve Mason, BLM, & Steve Hayden, OCD to DHC the Mesaverde & Dakota formations.

## 33. Circle enclosed attachments:

- |                                                       |                    |               |                       |
|-------------------------------------------------------|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #5049 Verified by the BLM Well Information System for BURLINGTON RESOURCES OIL & GAS.  
Sent to the Farmington.

Name (please print) PEGGY COLE

Title REPORT AUTHORIZER

Signature

Date 06/18/2001

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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# OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-122-A  
Revised 10-1-78

## WELL DELIVERABILITY TEST REPORT FOR 19 87

|                           |                            |                            |                             |
|---------------------------|----------------------------|----------------------------|-----------------------------|
| POOL NAME<br><b>BASIN</b> | POOL SLOPE<br><b>n=.75</b> | FORMATION<br><b>DAKOTA</b> | COUNTY<br><b>RIO ARRIBA</b> |
|---------------------------|----------------------------|----------------------------|-----------------------------|

|                                                              |                      |                                      |                                                   |                                               |                           |
|--------------------------------------------------------------|----------------------|--------------------------------------|---------------------------------------------------|-----------------------------------------------|---------------------------|
| COMPANY<br><b>TENNECO OIL CO.</b>                            |                      |                                      | WELL NAME AND NUMBER<br><b>S.J. 28-7-unit 259</b> |                                               |                           |
| UNIT LETTER<br><b>L</b>                                      | SECTION<br><b>24</b> | TOWNSHIP<br><b>28N</b>               | RANGE<br><b>07W</b>                               | PURCHASING PIPELINE<br><b>EL PASO NATURAL</b> |                           |
| CASING O.D. - INCHES                                         | CASING I.D. - INCHES | SET AT DEPTH - FEET                  | TUBING O.D. - INCHES                              | TUBING I.D. - INCHES                          | TOP - TUBING PERF. - FEET |
| GAS PAY ZONE<br>FROM TO                                      |                      | WELL PRODUCING THRU<br>CASING TUBING |                                                   | CAS GRAVITY                                   | GRAVITY X LENGTH          |
| DATE OF FLOW TEST<br>FROM <b>11-15-87</b> TO <b>11-24-87</b> |                      |                                      | DATE SHUT-IN PRESSURE MEASURED<br><b>11-30-87</b> |                                               |                           |

### PRESSURE DATA - ALL PRESSURES IN PSIA

| (a) Flowing Casing Pressure (DWt)    | (b) Flowing Tubing Pressure (DWt)        | (c) Flowing Meter Pressure (DWt)                 | (d) Flow Chart Static Reading                   | (e) Meter Error (Item c - Item d)                     | (f) Friction Loss (a - c) or (b - c)      | (g) Average Meter Pressure (Integr.)                         |
|--------------------------------------|------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------|
|                                      |                                          |                                                  |                                                 |                                                       |                                           |                                                              |
| (h) Corrected Meter Pressure (g + e) | (i) Avg. Wellhead Press. $P_l = (h + f)$ | (j) Shut-in Casing Pressure (DWt)<br><b>1038</b> | (k) Shut-in Tubing Pressure (DWt)<br><b>963</b> | (l) $P_c$ = higher value of (j) or (k)<br><b>1038</b> | (m) Del. Pressure $P_d = \text{ } \% P_c$ | (n) Separator or Dehydrator Pr. (DWt) for critical flow only |

### FLOW RATE CORRECTION (METER ERROR)

|                           |                                                   |                                              |                                   |
|---------------------------|---------------------------------------------------|----------------------------------------------|-----------------------------------|
| Integrated Volume - MCF/D | Quotient of $\frac{\text{Item c}}{\text{Item d}}$ | $\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ | Corrected Volume<br><br>Q = MCF/D |
|---------------------------|---------------------------------------------------|----------------------------------------------|-----------------------------------|

### WORKING PRESSURE CALCULATION

|                |                      |                                         |         |                       |                      |
|----------------|----------------------|-----------------------------------------|---------|-----------------------|----------------------|
| $(1 - e^{-x})$ | $(P_c Q_m)^2 (1000)$ | $R^2 = (1 - e^{-x}) (P_c Q_m)^2 (1000)$ | $P_l^2$ | $P_w^2 = P_l^2 + R^2$ | $P_w = \sqrt{P_w^2}$ |
|----------------|----------------------|-----------------------------------------|---------|-----------------------|----------------------|

### DELIVERABILITY CALCULATION

|                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $D = Q \left[ \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \left[ \left( \frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^n \left( \frac{P_c^2 - P_l^2}{P_c^2 - P_w^2} \right)^n \right] = \text{MCF/D}$ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

REMARKS:

### SUMMARY

Item b 1038 Psia  
 $P_c$  1038 Psia  
 $Q$         MCF/D  
 $P_w$         Psia  
 $P_d$         Psia

Company TENNECO OILCO.  
 By JOHN CARTER  
 Title AGENT  
 Witnessed By         
 Company