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**TEFTELLER, INC.**

reservoir engineering data

N. M. O. C.

copy

MIDLAND, TEXAS / FARMINGTON, NEW MEXICO

Associated with *Dennle Owens Co.*

P. O. Box 5247

Midland, Texas 79702

RECEIVED

September 27, 1965

OCT 13 1965

D. C. C.  
ARTESIA, OFFICE

RECEIVED  
OCT 11 1965  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

Standard Oil Co., of Texas  
1304 Ray Avenue  
Artesia, New Mexico

Attention: Mr. Delvon Mermis

Subject: Bottom Hole Pressure Observation  
Bogle Flats Unit No. 4  
Indian Basin Field  
Eddy County, New Mexico  
Our File No. 3-1708-0

Gentlemen:

Attached hereto are the results of a bottom hole pressure observation which was made on the above captioned well September 2 through September 8, 1965.

The data presented are in tabular and graphical form. Form C-122 is attached.

It has been our pleasure to have conducted this service for you. If we may be of further assistance, please feel free to call us at anytime.

Respectfully submitted,

TEFTELLER, INC.

Farrest Tefteller

FT:cc

Attachments

*Serving the Permian Basin & Rocky Mountain Area*

RECEIVED

TEFTTELLER, INC.  
RESERVOIR ENGINEERING DATA  
Midland, Texas

OCT 13 1965

O. C. C.  
ARTESIA, OFFICE

Well : BOGLE FLATS UNIT NO. 4

Page 1 of 3

Field : INDIAN BASIN

File 3-1708-C

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

| 1965<br>Date | Status of Well                         | Time  | Elapsed<br>Time<br>Hrs. Min. |    | Daily<br>Rate<br>Gas MCF/D | Wellhead<br>Pressure<br>Tubing | BHP @<br>7057'<br>Psig | BHP @<br>7225'<br>Psig |
|--------------|----------------------------------------|-------|------------------------------|----|----------------------------|--------------------------------|------------------------|------------------------|
| 9-2          | Arrived on location                    | 10:00 |                              |    |                            |                                |                        |                        |
| "            | Inst. @ 7057'                          | 11:00 |                              |    |                            |                                |                        |                        |
| "            | Open well to pressure system           | 13:00 |                              |    |                            | 2346                           | 2869                   | 2881                   |
| "            | Open 18/64" choke                      | 13:15 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 14:15 | 01                           | 00 |                            | 2252                           | 2857                   | 2869                   |
| "            | Open 19/64" choke                      | 14:15 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 15:15 | 01                           | 00 |                            | 2216                           | 2853                   | 2865                   |
| "            | Open 20/64" choke                      | 15:15 |                              |    |                            |                                |                        |                        |
| "            | Shut in (Back Pressure Valve freezing) | 15:30 |                              |    |                            |                                |                        |                        |
| "            | Pulled instrument                      |       |                              |    |                            |                                |                        |                        |
| 9-3          | Inst. @ 7057'                          | 11:00 |                              |    |                            | 2345                           | 2867                   | 2879                   |
| "            | "                                      | 12:35 |                              |    |                            |                                | 2869                   | 2881                   |
| "            | Open 18/64" choke                      | 12:35 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 13:35 | 01                           | 00 | 4081.1                     | 2349                           | 2858                   | 2870                   |
| "            | Open 19/64" choke                      | 13:35 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 14:35 | 01                           | 00 | 4517.7                     | 2228                           | 2854                   | 2866                   |
| "            | Open 20/64" choke                      | 14:35 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 15:35 | 01                           | 00 | 4953.7                     | 2203                           | 2851                   | 2863                   |
| "            | Open 21/64" choke                      | 15:35 | 00                           | 00 |                            |                                |                        |                        |
| "            | "                                      | 16:35 | 01                           | 00 | 5468.9                     | 2175                           | 2847                   | 2859                   |
| "            | Shut in Full Inst.                     | 16:45 |                              |    |                            |                                |                        |                        |
| 9-3          | Inst. @ 7057'                          | 19:45 |                              |    |                            |                                | 2868                   | 2880                   |
| "            | "                                      | 24:00 |                              |    |                            |                                | 2869                   | 2881                   |
| "            | Open 18/64" choke                      | 24:00 | 00                           | 00 |                            |                                |                        |                        |
| 9-4          | "                                      | 01:00 | 01                           | 00 |                            |                                | 2862                   | 2874                   |
| "            | "                                      | 04:00 | 04                           | 00 |                            |                                | 2862                   | 2874                   |
| "            | "                                      | 12:00 | 12                           | 00 |                            |                                | 2860                   | 2872                   |

TEFTELLER, INC.  
RESERVOIR ENGINEERING DATA  
Midland, Texas

Well : BOGLE FLATS UNIT NO. 4

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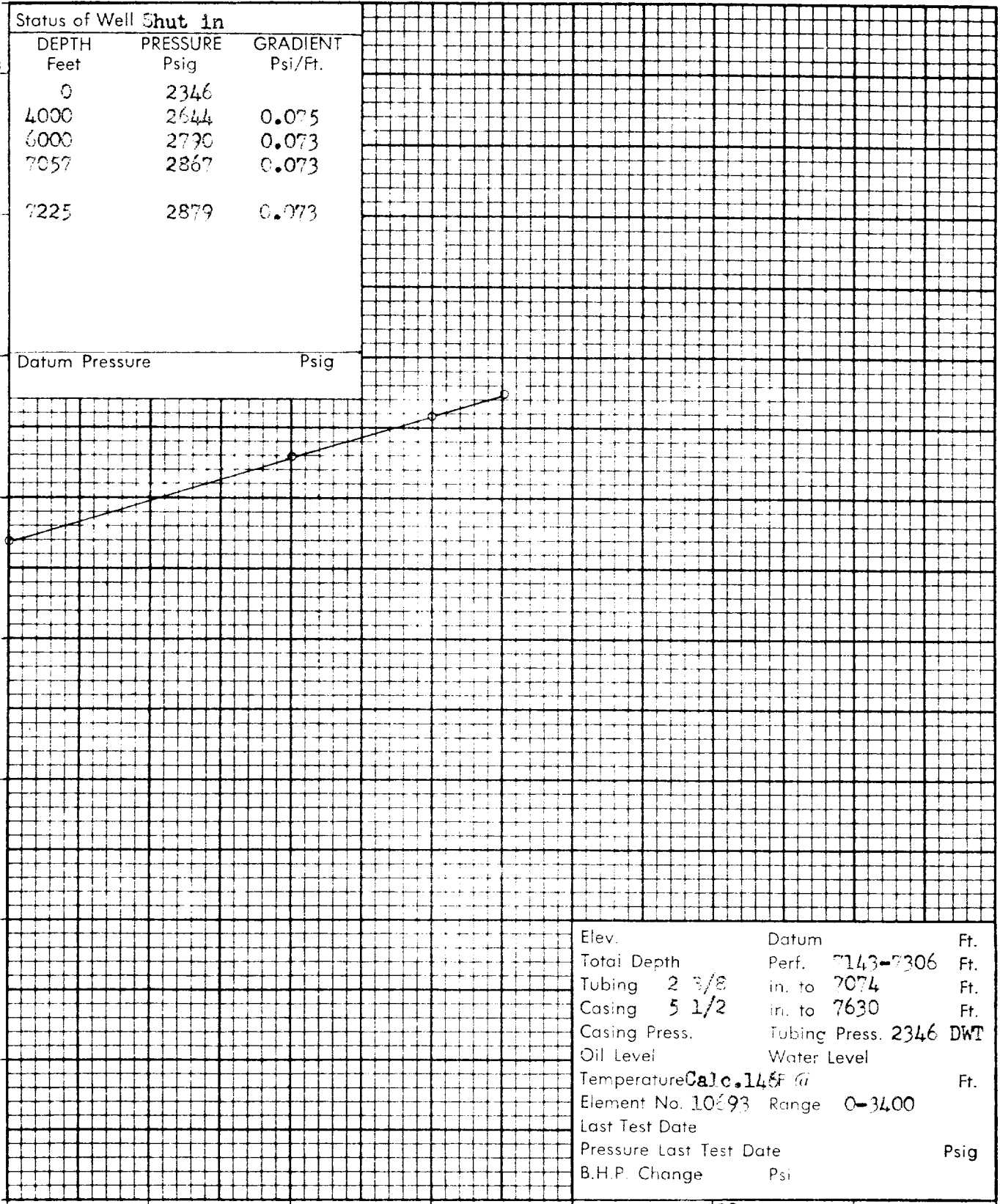
Field : INDIAN BASIN

File 3-1708-C

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

| 1965 |                   |       | Elapsed  | Daily     | Wellhead | BHP @ | BHP @ |
|------|-------------------|-------|----------|-----------|----------|-------|-------|
| Date | Status of Well    | Time  | Time     | Rate      | Pressure | 7057' | 7225' |
|      |                   |       | Hrs.Min. | Cas NCF/D | Tubing   | Psig  | Psig  |
| 9-4  | Reduced 15/64" ck | 12:00 | 00       | 00        |          |       |       |
| "    | "                 | 13:00 | 01       | 00        |          | 2861  | 2873  |
| "    | "                 | 16:00 | 04       | 00        |          | 2861  | 2873  |
| "    | "                 | 20:00 | 08       | 00        |          | 2861  | 2873  |
| "    | "                 | 24:00 | 12       | 00        |          | 2860  | 2872  |
| "    | Reduced 14/64" ck | 24:00 | 00       | 00        |          |       |       |
| 9-5  | "                 | 01:00 | 01       | 00        |          | 2861  | 2873  |
| "    | "                 | 04:00 | 04       | 00        |          | 2860  | 2872  |
| "    | "                 | 08:00 | 08       | 00        |          | 2860  | 2872  |
| "    | "                 | 12:00 | 12       | 00        |          | 2860  | 2872  |
| "    | Shut in well      |       |          |           |          |       |       |
| "    | Pulled inst.      | 12:15 |          |           |          |       |       |
| "    | Inst. @ 7057'     | 13:30 |          |           |          |       |       |
| "    | "                 | 15:00 |          |           |          | 2867  | 2879  |
| "    | Open 13/64" choke | 15:00 | 00       | 00        |          |       |       |
| "    | "                 | 16:00 | 01       | 00        |          | 2863  | 2875  |
| "    | "                 | 19:00 | 04       | 00        |          | 2864  | 2876  |
| "    | "                 | 24:00 | 09       | 00        |          | 2865  | 2877  |
| 9-6  | "                 | 24:00 | 33       | 00        |          | 2865  | 2877  |
| 9-7  | "                 | 24:00 | 57       | 00        |          | 2865  | 2877  |
| 9-8  | "                 | 09:00 | 66       | 00        |          | 2865  | 2877  |
| "    | "                 | 11:00 | 68       | 00        |          | 2863  | 2875  |
| "    | "                 | 12:00 | 69       | 00        |          | 2863  | 2875  |

Company STANDARD OIL CO. OF TEXAS Lease BOOLE FLATS UNIT Well No. 4  
 Field INDIAN BASIN County EDDY State NEW MEXICO  
 Formation CISCO CANYON Test Date SEPTEMBER 2, 1965



PRESSURE POUNDS PER SQUARE INCH GAUGE

DEPTH: FEET

**SOUTHWESTERN LABORATORIES**  
FORT WORTH DALLAS HOUSTON MIDLAND BEAUMONT  
CONSULTING, ANALYTICAL CHEMISTS  
AND TESTING ENGINEERS

Midland, Texas 9-7-65 File No. C-1902-1(g)

Report of tests on **Gas**

To **Tefteller, Incorporated**

Date Rec'd. **9-7-65**

Received from **Tefteller, Incorporated**

Identification Marks **Standard Oil Company of Texas, Bogle Fiat Unit, Well #4,**  
**9-3-65.**

Balance Gravity ----- **0.0444 @ 66° F.**

Copies: **7cc Tefteller, Incorporated**

SOUTHWESTERN LABORATORIES

Lab. No. **C-6005**

*Jack H. Barton*

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