

NEW MEXICO  
OIL CONSERVATION COMMISSION  
Back Pressure Data Sheet

Form C-122

Pool: Wildcat Date: May 10, 1954 HOBBS OFFICE OCC

Company: Stanolind Oil and Gas Co. Lease: State "AD" 1954 MAY 13 AMW 11 26. 1

County: Eddy Sec. 10 Twp. 19S Rge. 28E Loc. NW 1/4 of NW 1/4

4.892 ID casing set @ 11,180 ; 1.995 ID tubing 2.375 OD tubing set @ 11,014

Pay zone from 11018 to 11060 ; Separator gas gr. 0.7 Est. barometer rdg. 13.0 PSI (Assumed)

Reservoir temperature 155 °F Produced through: csg. \_\_\_\_\_ tbg. X  
728,000 Est.

Average gas/liquid ratio during test: \_\_\_\_\_ Cu. ft. /bbl. gravity of liquid 48 ° API

Size of meter run or prover: 4" Orifice Well Tester

OBSERVED DATA

Wellhead shut-in pressure,  $P_w$  Casing Packer Tubing 3067 PSIA

\* Bottom Hole Shut-in Pressure - - - - - 4053 PSIA \*BHP

| Run No. | Choice Orifice Size | 4" Tester Orifice Line | Meter Pressures            |                            | Coefficient C<br>Flg. tap _____<br>Pipe tap _____ | Wellhead Pr.           |                 | Flowing Temp. |          | at 10960' abs. |
|---------|---------------------|------------------------|----------------------------|----------------------------|---------------------------------------------------|------------------------|-----------------|---------------|----------|----------------|
|         |                     |                        | <del>XXX</del><br>Inch Hg. | <del>XXX</del><br>Inch Hg. |                                                   | Casing Pwc Abs. Packer | Tubing Pwc Abs. | Meter         | Wellhead |                |
| 1       | 9/64                | 1"                     | 24 1/2                     |                            |                                                   | "                      | 2963            | -             | -        | 3933           |
| 2       | 11/64               | 1 1/8"                 | 15                         |                            |                                                   | "                      | 2848            | -             | -        | 3763           |
| 3       | 20/64               | 2"                     | 33                         |                            |                                                   | "                      | 1865            | -             | -        | 2983           |
| 4       | 27/64               | 2 1/2"                 | 26                         |                            |                                                   | "                      | 531             | -             | -        | 1238           |

\*Bottom Hole Pressures measured by Amerada R.P.G. - 3 Pressure Gage

DATA FOR PLOTTING CURVE

| Run No. | Delivery Rate in MCF (60° F)<br>per 24 hours (Q) (15.025 PSIA) | $P_f^2 - P_s^2$<br>(thousands) |
|---------|----------------------------------------------------------------|--------------------------------|
| 1       | 491                                                            | 958.3                          |
| 2       | 843                                                            | 2,266.1                        |
| 3       | 2490                                                           | 7,528.5                        |
| 4       | 3640                                                           | 14,894.1                       |
| 5       |                                                                |                                |

Absolute Open Flow 3,900 MCF

CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, the information given above is true and correct.

Name: Kenneth J. Shaw Position: Field Engineer

Company: Stanolind Oil and Gas Company Address: Box 68, Hobbs, New Mexico

Please plot curve on back

