WELL TEST INTERPRETATION REPORT #:120918

CLIENT : Collins & Ware, Inc.

REGION :WTD
DISTRICT:Hobbs
BASE :MDS
ENGINEER:B. Stingley

Production Report

PAGE: 2,
19-DEC-91

FIELD:Wildcat Morrow
ZONE :Morrow
WELL :Ray "25" No.1
LOCATION:25/23s/28e

| DATE OR TIME | WLHD PSIG | HEATER CHOKE | ORIF SIZE INCH | STAT PSIG | DIFF INCH WATR | MTR.R DEG F | GAS GRAV | GAS RATE MCF/D | OIL CUMUL BBL | OIL RATE BBL/D | WATER CUMUL BBL | WATER RATE BBL/D | GAS OIL RATIO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18-DEC | | | | | | | | | | | | | |
| 08:00 | Meter run size 4.026 inch. | | | | | | | | | | | | |
| 08:00 | | | | | | | | | | | | | |
| 08:00 | Schlumberger arrive location. | | | | | | | | | | | | |
| 08:00 | | | | | | | | | | | | | |
| 08:30 | SITP 5827 PSIG. Begin to preheat water bath. | | | | | | | | | | | | |
| 08:30 | | | | | | | | | | | | | |
| 10:00 | Open well on 2/64 heater choke. | | | | | | | | | | | | |
| 10:00 | | | | | | | | | | | | | |
| 10:00 | 5694 | 2/64 | 1.000 | 100 | 30.0 | 40 | .580 | 377.74 | | | | | |
| 10:15 | 5028 | 2/64 | 1.000 | 100 | 34.0 | 52 | .580 | 397.09 | | | | | |
| 10:30 | 4754 | 2/64 | 1.000 | 100 | 33.0 | 57 | .580 | 389.20 | | | | | |
| 10:45 | 4470 | 2/64 | 1.000 | 100 | 30.0 | 60 | .580 | 369.95 | | | | | |
| 11:00 | | | | | | | | | | | | | |
| 11:00 | 4291 | 2/64 | 1.000 | 100 | 30.0 | 64 | .580 | 368.45 | | | | | |
| 11:00 | | | | | | | | | | | | | |
| 11:00 | Change heater choke to 3/64. | | | | | | | | | | | | |
| 11:00 | | | | | | | | | | | | | |
| 11:15 | 4062 | 3/64 | 1.000 | 100 | 39.0 | 66 | .580 | 419.25 | | | | | |
| 11:30 | 3856 | 3/64 | 1.000 | 100 | 35.0 | 69 | .580 | 395.98 | | | | | |
| 11:45 | 3715 | 3/64 | 1.000 | 100 | 32.0 | 69 | .580 | 378.63 | | | | | |
| 12:00 | 3600 | 3/64 | 1.000 | 100 | 30.0 | 69 | .580 | 366.61 | | | | | |
| 12:00 | | | | | | | | | | | | | |
| 12:00 | Change heater choke to 5/64. | | | | | | | | | | | | |
| 12:00 | | | | | | | | | | | | | |
| 12:15 | 3276 | 5/64 | 1.000 | 115 | 87.0 | 78 | .580 | 658.59 | | | | | |
| 12:30 | 3084 | 5/64 | 1.000 | 113 | 80.0 | 78 | .580 | 626.57 | | | | | |
| 12:30 | | | | | | | | | | | | | |
| 12:30 | Recieved approval to change test from hourly rates, to stabilized rates. | | | | | | | | | | | | |
| 12:30 | First two points of test aligned vertically on plot. | | | | | | | | | | | | |
| 12:30 | | | | | | | | | | | | | |
| 12:45 | 2892 | 5/64 | 1.000 | 115 | 73.5 | 78 | .580 | 605.34 | | | | | |
| 13:00 | 2731 | 5/64 | 1.000 | 116 | 55.5 | 77 | .580 | 528.59 | | | | | |
| 13:15 | 2603 | 5/64 | 1.000 | 115 | 49.0 | 77 | .580 | 494.74 | | | | | |
| 13:30 | 2520 | 5/64 | 1.000 | 115 | 42.5 | 77 | .580 | 460.76 | | | | | |
| 13:45 | 2455 | 5/64 | 1.000 | 115 | 39.0 | 75 | .580 | 442.23 | | | | | |
| 14:00 | 2412 | 5/64 | 1.000 | 117 | 35.0 | 73 | .580 | 423.07 | | | | | |
| 14:15 | 2393 | 5/64 | 1.000 | 118 | 33.3 | 73 | .580 | 415.50 | | | | | |
| 14:30 | 2378 | 5/64 | 1.000 | 118 | 32.5 | 73 | .580 | 409.26 | | | | | |
| 14:45 | 2370 | 5/64 | 1.000 | 118 | 32.2 | 72 | .580 | 407.77 | | | | | |
| 15:00 | 2349 | 5/64 | 1.000 | 118 | 31.7 | 74 | .580 | 403.78 | | | | | |
| 15:15 | 2337 | 5/64 | 1.000 | 117 | 31.2 | 73 | .580 | 399.45 | | | | | |
| 15:30 | 2326 | 5/64 | 1.000 | 117 | 30.5 | 73 | .580 | 394.94 | | | | | |
| 15:45 | 2319 | 5/64 | 1.000 | 117 | 30.0 | 74 | .580 | 391.30 | | | | | |



SCHLUMBERGER