

STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

15-119-2024-6888
 FORM O-2
 8-7-58

RECEIVED
 STATE CORPORATION COMMISSION

TYPE TEST: Deliverability Open Flow **TEST DATE:** 4-28-82

COMPANY: Mesa Petroleum Co **LEASE:** Barragree **WELL NO.:** 1-25

COUNTY: Meade **LOCATION:** **SECTION:** 25 **TWP:** 34S 4S **RNG:** 29W **ACRES:** **CONSERVATION DIVISION:** Wichita, Kansas

FIELD: Morrow **PIPELINE CONNECTION:** ANB KCL **PACKER SET AT:** 5988-6082

COMPLETION DATE: **PLUG BACK TOTAL DEPTH:** **PACKER SET AT:** 5988-6082

| | | | | | |
|--------------------|------------|-------------|---------------|--------------|-------------|
| CASING SIZE | WT. | I.D. | SET AT | PERF. | TO |
| 5 1/2 | | | 6379 | | 5924 - 5960 |
| TUBING SIZE | WT. | I.D. | SET AT | PERF. | TO |
| 1-1/4 | 2.4 | 1.380 | 5850 | | |

TYPE COMPLETION (Describe): Triple (Gas) **TYPE FLUID PRODUCTION:**

PRODUCING THRU Tubing: **RESERVOIR TEMPERATURE F:** 127 **BAR. PRESS - P_a:** 14.4 Psia

GAS GRAVITY - G_g: .696 **% CARBON DIOXIDE:** **% NITROGEN:** **API GRAVITY OF LIQUID:**

VERTICAL DEPTH (H): 5850 **TYPE METER CONN.:** Pipe **(METER RUN) (XXXXXX) SIZE:** 4 026

SHUT-IN PRESSURE: SHUT IN: 4-24 1982 AT 8:00 (AM)(PM) TAKEN 4-28 1982 AT 11:00 (AM)(PM)

FLOW TEST: STARTED: 4-28 1982 AT 1:00 (AM)(PM) TAKEN 4-29 1982 AT 9:00 (AM)(PM)

OBSERVED DATA **DURATION OF SHUT-IN 72 HR.**

| SHUT-IN OR FLOW | ORIFICE SIZE in. | (METER) (PROVER) PRESSURE psig | DIFF. in. (h _w)(h _d) | FLOWING TEMP. t | WELL-HEAD TEMP. t | CASINO WELLHEAD PRESS | | TUBING WELLHEAD PRESS | | DURATION HOURS | LIQUID PROD. Bbls. |
|-----------------|------------------|--------------------------------|----------------------------------------------|-----------------|-------------------|-----------------------|----------------------------------------------------------|-----------------------|----------------------------------------------------------|----------------|--------------------|
| | | | | | | psig | (P _w)(P _t)(P _c) psia | psig | (P _w)(P _t)(P _c) psia | | |
| SHUT-IN | | | | | | | | 340 | 354.4 | | |
| FLOW | | | | | | SHUT IN PRESSURE ONLY | | | | | |

RATE OF FLOW CALCULATIONS

| COEFFICIENT (F _b)(F _d) Mcfd | (METER) (PROVER) PRESSURE psia | EXTENSION $\sqrt{P_m \times h_w}$ | GRAVITY FACTOR F _g | FLOWING TEMP. FACTOR F _L | DEVIATION FACTOR F _{pv} | RATE OF FLOW R Mcfd | GOR | G _m |
|-----------------------------------------------------|--------------------------------|-----------------------------------|-------------------------------|-------------------------------------|----------------------------------|---------------------|-----|----------------|
| | | | | | | | | |

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ ; (P_w)² = _____ ; P_d = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_d)² = _____

| $\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$ | $(P_c)^2 - (P_w)^2$ | $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$ | LOG [] | "n" | n x LOG [] | ANTILOG | OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd |
|-----------------------------------------------|---------------------|---------------------------------------|---------|-----|-------------|---------|--------------------------------------------------|
| | | | | | | | |

OPEN FLOW Mcfd @ 14.65 psia **DELIVERABILITY** Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 3 day of May, 1982

Thurmond-McGlothlin
 For Company **Thurmond-McGlothlin, Inc.**

Witness (if any)

Checked by