

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

15-119-20248-0988  
 FORM G-2  
 8-7-58

**RECEIVED**

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

**COMPANY:** Mesa Petroleum Co **LEASE:** Barragree **WELL NO.:** 1-25 MAY 12 1982

**COUNTY:** Meade **LOCATION:** **SECTION:** 25 **TWP:** 34-45 **RNG:** 29W **ACRES:** **CONSERVATION DIVISION:** Wichita, Kansas

**FIELD:** Morrow **PIPELINE CONNECTION:** AIB ecc **Wichita, Kansas**

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

**CASING SIZE:** 5 1/2 **WT.:** **I.D.:** **SET AT:** 6379 **PERF. TO:** 5924 - 5960

**TUBING SIZE:** 1-1/4 **WT.:** 2.4 **I.D.:** 1.380 **SET AT:** 5850 **PERF. TO:**

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

**PRODUCING THRU:** Tubing **RESERVOIR TEMPERATURE F:** 127 **BAR. PRESS - P<sub>a</sub>:** 14.4 Psia

**GAS GRAVITY - G<sub>g</sub>:** .696 **% CARBON DIOXIDE:** **% NITROGEN:** **API GRAVITY OF LIQUID:**

**VERTICAL DEPTH (H):** 5850 **TYPE METER CONN.:** Pipe **(METER RUN) (PROVER) SIZE:** 4.026

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

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

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

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF. in. (h <sub>w</sub> )(h <sub>d</sub> )	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASINO WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P <sub>w</sub> )(P <sub>c</sub> )(P <sub>d</sub> ) psia	psig	(P <sub>w</sub> )(P <sub>c</sub> )(P <sub>d</sub> ) psia		
SHUT-IN								340	354.4		
FLOW						SHUT IN PRESSURE ONLY					

**RATE OF FLOW CALCULATIONS**

COEFFICIENT (F <sub>p</sub> )(F <sub>d</sub> ) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION √P <sub>m</sub> h <sub>w</sub>	GRAVITY FACTOR F <sub>g</sub>	FLOWING TEMP. FACTOR F <sub>t</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcfd	GOR	G <sub>m</sub>

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ ; (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ ; P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>a</sub>)<sup>2</sup> = 0.207 ; (P<sub>d</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	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) \_\_\_\_\_  
 \_\_\_\_\_  
 For Commission

Checked by \_\_\_\_\_