

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

FORM O-2
8-7-58

15-087-20196-0000

9
P.9
4/17/86

RCND 04-17-86

TYPE TEST: Deliverability Open Flow TEST DATE: 3/22/86

COMPANY: Reese Exploration Inc. LEASE: John Kimmel WELL NO.: 1-85

COUNTY: Jefferson LOCATION: N/2 NW, NW SECTION: 1 TWP: 10 R1G: 19E ACRES: N/A

FIELD: McLouth Northwest RESERVOIR: McLouth Sand PIPELINE CONNECTION: Vanguard

COMPLETION DATE: 9-19-85 PLUG BACK TOTAL DEPTH: 1606' PACKER SET AT: None

CASING SIZE: 4 1/2" WT. L.D. SET AT: 1606' PERF. TO: 1565' 1571'

TUBING SIZE: N/A WT. L.D. SET AT: PERF. TO:

TYPE COMPLETION (Describe): Single (Gas) TYPE FLUID PRODUCTION: Saltwater

PRODUCING THRU: Casing RESERVOIR TEMPERATURE, F: BAR. PRESS - P_a: 14.4 Psia

GAS GRAVITY - G_g: .575 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (ft): TYPE METER CONN.: Flange (METER RUN)(PROVER) SIZE: 2"

SHUT-IN PRESSURE: SHUT IN 19 AT (AM)(PM) TAKEN 19 AT (AM)(PM)
 FLOW TEST: STARTED 19 AT (AM)(PM) TAKEN 19 AT (AM)(PM)

OBSERVED DATA

DURATION OF SHUT-IN _____ 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 _i)(P _e) psia	psig	(P _w)(P _i)(P _e) psia		
SHUT-IN						475	489.4	—		72	
FLOW	.750			90		113	127.4	—		24	

RATE OF FLOW CALCULATIONS

COEFFICIENT (P _w)(P _d) Mafd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_{mshw}}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mafd	GOR	G _m
224.9			1.319	.9723		1364	N/A	.575

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 239.5, (P_w)² = 16.2, 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	$\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mafd
239.3	223.3	1.07165	0.0301	0.686	0.0206	1.048	1429

OPEN FLOW 1429 Mafd @ 14.65 psia DELIVERABILITY Mafd @ 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 11th day of April, 1986.

Witness (if any) _____ For Commission
 _____ For Company
 _____ Checked by