

15-087-2072-00-00
STATE OF KANSAS - CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM O-2
8-7-58

99
4-27-86

TYPE TEST: Deliverability Open Flow TEST DATE: 3/28/86

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

COUNTY: Jefferson LOCATION: SECTION: 33 TWP: 8 RNG: 20E ACRES: N/A

FIELD: Easton RESERVOIR: McLouth Sand PIPELINE CONNECTION: Vanguard

COMPLETION DATE: 7-18-85 PLUG BACK TOTAL DEPTH: 1555' PACKER SET AT: None

CASING SIZE: 4 1/2" WT. I.D. SET AT: 1555' PERF. TO: 1476' TO: 1488'

TUBING SIZE: N/A WT. I.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: .576 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID:

VERTICAL DEPTH (H): 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 _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						480	494.4	—	—	72	
FLOW	.750			90		105	119.4	—	—	24	

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _d)(F _a) Mafd	(METER) (PROVER) PRESSURE psia	EXTENSION √P _m h _w	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mafd	GOR	G _m
224.9			1.318	.9723		1274	N/A	.576

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 244.4 ; (P_w)² = 14.3 ; P_d² = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_d)² = _____

(P _c) ² - (P _a) ² or (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 Mafd
244.2	230.1	1.0613	0.0257	0.691	0.01776	1.042	1327

OPEN FLOW 1327 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

March, 1987

OPERATOR	Reese Exploration, Inc.
OPERATOR LICENSE NUMBER	5115
OPERATOR ADDRESS	5540 Raytown Road, Raytown, Mo. 64133
OPERATOR PHONE NUMBER	816-356-1970
LEASE NAME	John Dunn 1-85
SPOT LOCATION	660 FEL 660 FSL
SECTION	33
TOWNSHIP	8
RANGE	20
COUNTY	Jefferson
GAS PURCHASER	Vanguard Pipeline
GAS BTU'S	975

CURRENT OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)	45
Shut-In Pressure on Prover (psi)	305
Orifice Size (3/4 inch) and Coefficient	224.9
Specific Gravity	.575
Temperature of Gas (+459.69F)	549.69
Open Flow MCF/D)	561.7
One-Quarter of Open Flow (MCF/D)	140
Adjusted State Allowable (MCF/D)	140
Current Production Rate (MCF/D)	30.0

TESTER--Larry Culbertson--LAGGS, INC.--913-773-8514

STATE

APR 9 1987