

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

FORM G-2
8-7-58

15-087-20228-000

TYPE TEST: Deliverability Open Flow TEST DATE: 3/27/86 ACWD 4-17-86

COMPANY: Reese Exploration Inc. LEASE: Robert Vernon WELL NO.: 1-86
 COUNTY: Jefferson LOCATION: C SE NE SECTION: 8 TWP: 9 RNG: 20E ACRES: N/A
 FIELD: Zachariah RESERVOIR: McLouth Sand PIPELINE CONNECTION: Vanguard

COMPLETION DATE: 1-24-86 PLUG BACK TOTAL DEPTH: 1504' PACKER SET AT: None

CASING SIZE: 4 1/2" WT. I.D. SET AT: 1504' PERF. TO: 1456' TO: 1462'

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						484	498.4	—		72	
FLOW	.750			90		112	126.4	—		24	

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _o)(F _d) Mcd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _L	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcd	GOR	G _m
224.9			1.318	.9723		1351	N/A	.576

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 248.4, (P_w)² = 16.0, P_d² = _____ % (P_c - 14.4) + 14.4 = _____ (P_w)² = 0.207 (P_d)² = _____

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcd
248.2	232.4	1.068	0.0286	0.715	0.02045	1.048	1416

OPEN FLOW 1416 Mcd @ 14.65 psia DELIVERABILITY Mcd @ 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

A
P2
2-4-92

January, 1988

OPERATOR	Reese Exploration, Inc.
OPERATOR LICENSE NUMBER	5115
OPERATOR ADDRESS	5540 Raytown Road, Raytown, MO 64133
OPERATOR PHONE NUMBER	816/356-1970
LEASE NAME	Robert Vernon 1-86
SPOT LOCATION	660 FEL 660 FSL
SECTION	8
TOWNSHIP	9
RANGE	20
COUNTY	Jefferson
GAS PURCHASER	Vanguard Pipeline
GAS BTU'S	975

STATE OF MISSOURI
JAN 08 1988
CONVENTION
Jefferson, Missouri

CURRENT OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)	31
Shut-In Pressure on Prover (psi)	190
Orifice Size (3/4 inch) and Coefficient	224.9
Specific Gravity	.575
Temperature of Gas (+459.69F)	549.69
Open Flow (MCF/D)	87
One-Quarter of Open Flow (MCF/D)	97
Adjusted State Allowable (MCF/D)	97
Current Production Rate (MCF/D)	50

D
P2
2-4-98

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STATE CORPORATION COMMISSION
JAN 08 1988
CONSERVATION DIVISION
Wichita, Kansas

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29
1-1-88

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