

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

FORM O-2
8-7-58

D9
1-2-86
REV'D
1-8-88

15-087-20160000

TYPE TEST: Deliverability Open Flow TEST DATE: 3/21/86

COMPANY Reese Exploration Inc. LEASE Eldon Farris WELL NO. 1-85

COUNTY Jefferson LOCATION 1/2 SE SE SECTION 5 TWP 9 RNO 20E ACRES N/A

FIELD Zachariah RESERVOIR McLouth Sand PIPELINE CONNECTION Vanguard

COMPLETION DATE 6-17-85 PLUG BACK TOTAL DEPTH 1422' PACKER SET AT None

CASING SIZE 4 1/2" WT. L.D. SET AT 1422' PERF. TO 1348' TO 1362'

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_s .576 % 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 _c) psia	psig	(P _w)(P _i)(P _c) psia		
SHUT-IN						512	526.4	—		72	
FLOW	.750			90		128	142.4	—		24	

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _d) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _{in}
224.9			1.318	.9723		1536		.576

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 277.1 ; (P_w)² = 20.3 ; 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	$\frac{[P_c^2 - P_w^2]}{[P_c^2 - P_d^2]}$	LOG []	"n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
276.9	256.8	1.0783	0.0327	0.724	0.0237	1.0535	1618

OPEN FLOW 1618 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 11th day of April, 1986.

Witness (if any)

For Commission

For Company

Checked by

89
1-11-88

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 Dan Sedlak 1-85
 SPOT LOCATION 660 FNL 660 FWL
 SECTION 5
 TOWNSHIP 9
 RANGE 20
 COUNTY Jefferson
 GAS PURCHASER Vanguard Pipeline
 GAS BTU'S 975

CURRENT OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi) 77
 Shut-In Pressure on Prover (psi) 155
 Orifice Size (3/4 inch) and Coefficient 224.9
 Specific Gravity .575
 Temperature of Gas (+459.69F) 549.69
 Open Flow (MCF/D) 961
 One-Quarter of Open Flow (MCF/D) 240
 Adjusted State Allowable (MCF/D) 240
 Current Production Rate (MCF/D) 165

RECEIVED
 STATE CORPORATION COMMISSION
 JAN 08 1988
 CONSERVATION DIVISION
 Wichita, Kansas