

15-103-20524-00-00

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

FORM O-3
8-7-58

TYPE TEST: Deliverability Open Flow TEST DATE: 2/16/86

COMPANY: LV Gas Corp. LEASE: Gergick WELL NO.: 1

COUNTY: Leavenworth LOCATION: SE NE SE SECTION: 36 TWP: 8 RNG: 21E ACRES: N/A

FIELD: Possum Hollow, NE RESERVOIR: Burgess Sand PIPELINE CONNECTION: The Chartered Line

COMPLETION DATE: 10-31-85 PLUG BACK TOTAL DEPTH: 1475' PACKER SET AT: None

CASINO SIZE: 4 1/2" WT. I.D. SET AT: 1458' PERF. TO: 1400" 1407"

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

TYPE COMPLETION (Describe): Single (Gas) TYPE FLUID PRODUCTION: None

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

GAS GRAVITY - G_g: .584 % CARBON DIOXIDE: % NITROGEN: API GRAVITY OF LIQUID: N/A

VERTICAL DEPTH (H): TYPE METER CONN.: N/A (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						470	484.4	—		3 mos.	
FLOW	0.500	167.7	N/A	67		325	339.4	—		24	0

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _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
4.388	182.1	—	1.309	0.9933	1.011	1050.6	None	.584

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 234.6 ; (P_w)² = 115.2 ; P_d² = _____ % (P_c - 14.4) + 14.4 = _____ ; (P_w)² = 0.207 ; (P_d)² = _____

(P _c) ² - (P _w) ² or (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
234.4	119.4	1.9631	0.2930	0.850	0.24905	1.7741	1863.9

OPEN FLOW 1864 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 _____ day of _____, 19__.

Witness (if any) _____ For Commission

For Company _____

Checked by _____

October, 1986

28
129
12-1-786

Gergick #1

Operator-- L. V. Gas, Inc.
Operator License Number-- 4898
Operator Address-- 222 W. Main; Chanute, KS 66720
Operator Phone Number-- (316) 431-3141
Lease-- Gergick
Location-- NE SE 36
Township-- 8S
Range-- 21E
County-- Leavenworth
Gas Purchaser-- LAGGS
Gas BTU's--

INITIAL OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)--	335
Shut-In Pressure on Prover (psi)--	450
Orifice Size (3/4 inch) and Coefficient--	224.9
Specific Gravity--	.5798
Temperature of Gas (+459.69F)--	539.69
Open Flow (MCF/D)	4,259.0
One-Quarter of Open Flow (MCF/D)--	1,064.7
Adjusted State Allowable (MCF/D)--	1,064.7

CURRENT OPEN FLOW CALCULATION

Flowing Pressure on Prover (psi)--	
Shut-In Pressure on Prover (psi)--	
Orifice Size (inch) and Coefficient--	
Specific Gravity--	
Temperature of Gas (+459.69F)--	
Open Flow (MCF/D)--	
One-Quarter of Open Flow (MCF/D)--	
Adjusted State Allowable (MCF/D)--	
Current Production Rate (MCF/D)--	175.5

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