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

FORM G-2
8-7-58

TYPE TEST: ☒ Deliverability ☒ Open Flow				TEST DATE: 11-10-98	
COMPANY: LaVeta Operating			LEASE: Allen		WELL NO.: 7
COUNTY: Stafford	LOCATION: SE SW		SECTION: 32	TWP: 22s	RNG: 11w
FIELD: Richardson	RESERVOIR: Severy		PIPELINE CONNECTION: Sand Hills LLC		ACRES: 160
COMPLETION DATE: 3/23/98		PLUG BACK DEPTH: 2800	TOTAL DEPTH: 2800		PACKER SET AT
CASING SIZE: 7.000	WT.: 20.000	ID: 6.456	SET AT: 2800	PERF.: 2767	TO: 2772
TUBING SIZE: 2.875	WT.: 6.500	ID: 2.441	SET AT: 2760	PERF.	TO
TYPE COMPLETION (Describe): new			TYPE FLUID PRODUCTION: water		
PRODUCING THRU: tubing			RESERVOIR TEMPERATURE F: 88		BAR PRESS - Pa: 14.4 psia
GAS GRAVITY - Gg: .722	% CARBON DIOXIDE: .106		% NITROGEN: 28.033		API GRAVITY OF LIQUID
VERTICAL DEPTH (H): 2800			TYPE METER CONN.: flange		METER RUN SIZE: 2
SHUT-IN PRESSURE: SHUT IN	11-06 19 98 AT 8 (AM)(PM)			TAKEN	11-9 1998 AT 9 (AM)~~(PM)~~
FLOW TEST STARTED:	11-09 19 98 AT 9 (AM)(PM)			TAKEN	11-10 1998 AT 3 ~~(AM)~~(PM)

OBSERVED DATA

SHUT-IN OR FLOW	ORIFICE SIZE in.	(METER) PRESSURE psig	DIFF. (h_w) (h_t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS. psig	CASING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	TUBING WELLHEAD PRESS. psig	TUBING WELLHEAD PRESS. $(P_w)(P_t)(P_c)$ psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						611	625	431	445	72.00	
FLOW	.625	45.00	8.00	52		441	455	100	114	27.00	

RATE OF FLOW CALCULATION

COEFFICIENT (F_b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G_m
1.919	59.4	21.80	1.1766	1.0078	1.0043	49		.722

(OPEN FLOW)(DELIVERABILITY CALCULATIONS

$(Pc)^2$ = 391.1 $(Pw)^2$ = 207.4 Pd = 7.2 % (Pc - 14.4) + 14.4 = $(Pa)^2$ = 0.207 $(Pd)^2$ = 2.03

$(P_c)^2 - (P_a)^2$ OR $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY = R x ANTILOG Mcfd
390.92	183.74	2.128	.3279	.582	.1907	1.551	77
389.10	183.74	2.118	.3259	.582	.1895	1.547	77

OPEN FLOW 77 Mcfd @ 14.65 psia DELIVERABILITY 77 Mcfd @ 14.65 psia

The undersigned authority, on behaf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein, and that said report is tru and correct.

Executed this the _____ day of _____, 19____.

_____ Witness (if any)

_____ For Company