

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

FORM G-2
8-7-58

TYPE TEST: ☒ Deliverability ☒ Open Flow		TEST DATE: 11/03/98	
COMPANY LaVeta Operating		LEASE Richardson	
WELL NO. 1A			
COUNTY Stafford	LOCATION SE SE SE	SECTION 36	TWP 22s
		RNG 12w	ACRES 160
FIELD Richardson	RESERVOIR Severy Sand	PIPELINE CONNECTION Sandhills LLC	
COMPLETION DATE 4-15-98	PLUG BACK DEPTH 2848	PACKER SET AT 2732	
	TOTAL DEPTH 2800		
CASING SIZE 5.500	WT. 15.000	ID 4.974	SET AT 2873
		PERF. 2766	TO 2776
TUBING SIZE 2.875	WT. 2.700	ID 2.441	SET AT 2732
		PERF.	TO
TYPE COMPLETION (Describe) new		TYPE FLUID PRODUCTION water	
PRODUCING THRU tub		RESERVOIR TEMPERATURE F 88	BAR PRESS - Pa 14.4 psia
GAS GRAVITY - Gg .724	% CARBON DIOXIDE .081	% NITROGEN 27.906	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 2800	TYPE METER CONN. flange		METER RUN SIZE 2"
SHUT-IN PRESSURE: SHUT IN	10-30 19 9 AT 8	8(AM)(PM)	TAKEN 11-02 1998 AT 8 (AM)(PM)
FLOW TEST STARTED:	11-02 19 9 AT 8	8(AM)(PM)	TAKEN 11-03 1998 AT 12 (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	(P _w)(P _t)(P _c) psia	TUBING WELLHEAD PRESS. psig	(P _w)(P _t)(P _c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN								484	498	72.00	
FLOW	.500	55.00	6.00	52				60	74	28.25	

RATE OF FLOW CALCULATION

COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
1.219	69.4	20.41	1.1756	1.0078	1.0051	29		.724

(OPEN FLOW)(DELIVERABILITY CALCULATIONS

(OPEN FLOW) DELIVERABILITY CALCULATIONS								$(P_a)^2 = 0.297$
$(P_c)^2 = 248.4$	$(P_w)^2 = 5.5$	$P_d = 11.0$	x	$(P_c - 14.4) + 14.4 =$	$(P_d)^2 = 3.03$			
$(P_c)^2 - (P_a)^2$ 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	
248.20	242.86	1.022	.0094	.799	.0075	1.018	30	
245.38	242.86	1.010	.0045	.799	.0036	1.008	29	

OPEN FLOW 30 Mcfd @ 14.65 psia DELIVERABILITY 29 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 herein, and that said report is true and correct.

Executed this the _____ day of _____, 19 ____.

Witness (if any)

For Commission

For Company

Checked by