15-023-20054-0000 P2 3-27-90

STATE OF KANSAS – CORPORATION COMMISSION

FORM C-2
8-7-58

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

TYPE TEST: ☐ Deliverability ☑ Open Flow TEST DATE: 1-14-90

COMPANY	LEASE	WELL NO.
Lobo Production Inc	Rueb-Farms	1-2

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Cheyenne		2	5	42W.	ANBKCC

FIELD	RESERVOIR	PIPELINE CONNECTION
Benhelman	Niobrara	KNE

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
Comp. 11-24-77 First Prod. 1-10-80	T.D. 1870 CSG TD 1380	

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
4½"	10.5		1380	1232	1264

TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION
Single	None

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR. PRESS – P_a
Csg		14.4 Psia

GAS GRAVITY – G_g	% CARBON DIOXIDE	%NITROGEN	API GRAVITY OF LIQUID
.594			

VERTICAL DEPTH (H)	TYPE METER CONN.	(METER RUN) (PROVER) SIZE
Same		2" Flange

SHUT-IN PRESSURE: SHUT IN 1-4-90 1990 AT _____ (AM)(PM) TAKEN 1-10 1990 AT _____ (AM)(PM)

FLOW TEST: STARTED 1-14 1990 AT _____ (AM)(PM) TAKEN 2-7 1990 AT _____ (AM)(PM)

OBSERVED DATA

DURATION OF SHUT-IN 144 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	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		~~120~~				206	220.4		14	144	
FLOW	.3125	98	3"			105	119.4			24	

RATE OF FLOW CALCULATIONS

COEFFICIENT $(F_b)(F_a)$ Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m x h_w}$	GRAVITY FACTOR F_g	FLOWING TEMP. FACTOR F_t	DEVIATION FACTOR F_{pv}	RATE OF FLOW R Mcfd	GOR	G_m
.4752	112.4	$18.36 / \sqrt{112.4 \times 3}$	1.2975	1.00	1.00	11.32		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 48.58 ; $(P_w)^2$ = 14.26 ; P_d = _____ % ; $(P_c - 14.4) + 14.4$ = _____ ; $(P_a)^2$ = 0.207 ; $(P_d)^2$ = _____

$(P_c)^2-(P_a)^2$ or ~~$(P_c)^2-(P_a)^2$~~	$(P_c)^2-(P_w)^2$	$\frac{P_c^2-P_a^2}{P_c^2-P_d^2}$ ~~$\frac{P_c^2-P_a^2}{P_c^2-P_d^2}$~~ $\frac{}{P_c^2-P_w^2}$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
48.373	34.32	1.40947	0.149056	0.85	0.126697	1.33874	15.2

OPEN FLOW 15 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 20 day of March, 1990

RECEIVED
MAR 26 1990
CONSERVATION DIVISION
Wichita, Kansas

John Landers
For Company

Witness (if any)

For Commission

Checked by