

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: 9-30-64
COMPANY: Skelly Oil Company LEASE: J.N. Ediger WELL NO.: 1
COUNTY: Meade LOCATION: NW NW SE SECTION: 11 TWP: 33 RNG: 27 ACRES:
FIELD: McKinney RESERVOIR: MORROW PIPELINE CONNECTION: KANSAS POWER + LIGHT CO.
COMPLETION DATE: PLUG BACK TOTAL DEPTH: PACKER SET AT:

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

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

TYPE COMPLETION (Describe) TYPE FLUID PRODUCTION

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

GAS GRAVITY - G_g: 1.633 % CARBON DIOXIDE % NITROGEN API GRAVITY OF LIQUID

VERTICAL DEPTH (H) TYPE METER CONN.: Pipe taps (METER RUN)(PROVER) SIZE: 4"

SHUT-IN PRESSURE: SHUT IN 9-26 19.64 AT 820 (AM)(PM) TAKEN 9-29 19.64 AT 820 (AM)(PM)

FLOW TEST: STARTED 9-29 19.64 AT 820 (AM)(PM) TAKEN 9-30 19.64 AT 815 (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	CASING WELLHEAD PRESS			TUBING WELLHEAD PRESS			DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c)	psia	psig	(P _w)(P _t)(P _c)	psia		
SHUT-IN						768	782.4		768				
FLOW	0.750	141	32.5	60		714	728.4		482				

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _p)(F _p) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
2.793	155.4	71.07	1.257	1.000	1.014	253		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 612.1, (P_w)² = 530.6, P_d = 80 % (P_c - 14.4) + 14.4 = 628.8, (P_w)² = 0.207, (P_d)² = 395.4

$\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	LOG []	Assumed "n"	n x LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
611.9	81.5	7.508	.8755	.850	.7442	5.549	1404
216.7	81.5	2.659	.4247	.850	.3610	2.296	581

OPEN FLOW 1404 Mcfd @ 14.65 psia DELIVERABILITY 581 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 _____ day of _____, 19__.

W. Kirk Patrick
Witness (if any)

For Commission

For Company

Checked by