

RECEIVED

COLORADO CONSERVATION COMMISSION

JUN 18 1973

Deliverability Test



00640363

OIL & GAS CON. COMM.

TYPE TEST

☐ Deliverability☒ Open Flow

TEST DATE:

4-16-73

COMPANY

Horzion Oil & Gas Company of Texas

LEASE

Griffin

WELL NO.

1-15

COUNTY

Baca

LOCATION

SECTION

15

TWP

33S

RNG

42W

ACRES

640

FIELD

Flank N/W

RESERVOIR

Topeka "A"

PIPELINE CONNECTION

Baca Gas Gathering System, Inc.

COMPLETION DATE

6-14-62

PLUG BACK
TOTAL DEPTH

3204

PACKER SET AT

CASING SIZE

2-7/8

WT.

6.5

I.D.

2.441

SET AT

3238

PERF.

3148

TO

3158

TUBING SIZE

WT.

I.D.

SET AT

PERF.

TO

TYPE COMPLETION (Describe)

Single

TYPE FLUID PRODUCTION

None

PRODUCING THRU

Casing

RESERVOIR TEMPERATURE, F

98

BAR. PRESS - P_a

14.4 Psia

GAS GRAVITY - G_g

.762

% CARBON DIOXIDE

.05

% NITROGEN

25.38

API GRAVITY OF LIQUID

VERTICAL DEPTH (H)

3153

TYPE METER CONN.

Flg.

(METER RUN) (PROVER) SIZE

3.000

SHUT-IN PRESSURE: SHUT IN 4-13-

19 73 AT 12:05 (AM)(PM) TAKEN 4-16- 19 73 AT (AM)(PM)

FLOW TEST: STARTED 4-16-

19 73 AT (AM)(PM) TAKEN 4-19-73 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. psig	(P _w)(P _d)(P _c) psia	TUBING WELLHEAD PRESS. psig	(P _w)(P _d)(P _c) psia	DURATION HOURS	LIQUID PROD. Bbls.
SHUT-IN						301.0	315.4			72	DVR
FLOW	.750	102.0	4.0	60		102.0	116.4			72	FIP

Per 624 Tcr 341

RATE OF FLOW CALCULATIONS

COEFFICIENT (F _b)(F _d) Mcf/d	(METER) (PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \cdot h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP. FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcf/d	GOR	JAM Gm
2.740	116.4	21.58	1.146	1.000	1.009	68		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 = 99.5$		$(P_w)^2 = 13.6$		$P_d =$	%	$(P_c - 14.4) + 14.4 =$	$(P_a)^2 = 0.207$	$(P_d)^2 =$
$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{P_c^2 \cdot P_a^2}{P_c^2 \cdot P_d^2}$	LOG []	"n"	$n \times$	LOG []	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcf/d
99.3	85.9	1.1563	.0630716	.716		.0451593	1.1096	75

OPEN FLOW 75

Mcf/d @ 14.65 psia

DELIVERABILITY

Mcf/d @ 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 31 day of May, 1973.

Witness (if any)

For Commission

Per Company

Checked by

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