COLOR 00594737 MISSION

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JUN 18 1973
COLO. OIL & GAS CONS. COMM.

TYPE TEST: ☐ Deliverability ☒ Open Flow TEST DATE: 4-16-73

COMPANY	LEASE	WELL NO.
Horizon Oil & Gas Co. of Texas	Cook "A"	1-9

COUNTY	LOCATION	SECTION	TWP	RNG	ACRES
Baca		9	33S	43W	640

FIELD	RESERVOIR	PIPELINE CONNECTION
Walsh Flank N/W	Topeka "A"	Baca Gas Gathering System, Inc.

COMPLETION DATE	PLUG BACK TOTAL DEPTH	PACKER SET AT
1-3-69	3258	

CASING SIZE	WT.	I.D.	SET AT	PERF.	TO
2-7/8	6.5	2.441	3282	3170	3178

TUBING SIZE	WT.	I.D.	SET AT	PERF.	TO
1-1/2	2.4	1.380	3216		

TYPE COMPLETION (Describe)	TYPE FLUID PRODUCTION
Single	None

PRODUCING THRU	RESERVOIR TEMPERATURE F	BAR. PRESS - P_a
Casing	100	14.4 Psia

GAS GRAVITY - G_g	% CARBON DIOXIDE	% NITROGEN	API GRAVITY OF LIQUID
.785	.07	24.83	

VERTICAL DEPTH (H)	TYPE METER CONN.	(METER RUN) (PROVER) SIZE
3174	Flg.	3.000

SHUT-IN PRESSURE: SHUT IN 4-13- 19 73 AT 11:55 (AM)(PM) TAKEN 4-16 19 73 AT ____ (AM)(PM)

FLOW TEST: STARTED 4-16-73 19 ____ AT ____ (AM)(PM) TAKEN 4-19 19 73 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	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						340.0	354.4			72	
FLOW	.500	116.0	2	60		116.0	130.4			72	

Pcr 623 Tcr 349

RATE OF FLOW CALCULATIONS

COEFFICIENT $(F_b)(F_p)$ 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	
1.214	130.4	16.15	1.129	1.000	1.011	22		

DVR ✓ FJP ✓ HGM JAM MD ✓

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$: 125.6 ; $(P_w)^2$: 17.0 ; P_d= ____ % $(P_c - 14.4) + 14.4$ = ____ ; $(P_a)^2$=0.207 $(P_d)^2$= ____

$(P_c)^2-(P_a)^2$ or $(P_c)^2-(P_d)^2$	$(P_c)^2-(P_w)^2$	$\left[\frac{P_c^2-P_a^2}{P_c^2-P_d^2}\right]$ / $\left[\frac{P_c^2-P_d^2}{P_c^2-P_w^2}\right]$	LOG [ ]	"n"	n x LOG [ ]	ANTILOG	OPEN FLOW DELIVERABILITY EQUALS R x ANTILOG Mcfd
125.4	108.6	1.1551	.0626271	.680	.0425865	1.1030	24

OPEN FLOW 24 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 31 day of May, 19 73

Witness (if any)

For Company

For Commission

Checked by

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