

STATE OF OKLAHOMA - CORPORATION COMMISSION

MULTIPOINT BACK PRESSURE TEST

(Form G-3)

TYPE TEST : ☒ Initial ☐ Annual ☐ Special Test Date : 9-29-99Company :
John O. Farmer, Inc.Lease :
PattersonWell No. :
1-33County
Haskell
Field

Location :

Section
33TWP
30SRNG
31W

Acres

Reservoir
MorrowPipeline Connection
NACOMPLETION DATE
9/23/99PLUG BACK TOTAL DEPTH
5525PACKER SET AT :
0CASING SIZE
4.50WT.
10.5ID
4.052Set At
5569PERF
5405TO
5411TUBING SIZE
2.375WT.
4.7ID
1.901SET AT
5400

PERF

TO

TYPE COMPLETION : (Describe)
SingleTYPE OF FLUID PRODUCTION
Trace condensatePRODUCING THRU
TbgRESERVOIR TEMPERATURE F
134BAR. PRESS - Pa :
14.4 PsiaGAS GRAVITY - G_g
0.6918% CARBON DIOXIDE
0.32% NITROGEN
9.12

API GRAVITY OF LIQUID

VERTICAL DEPTH (H)
5405TYPE METER CONN.
N/A(PROVER) SIZE
2"

REMARKS

OBSERVED DATA

Duration of Shut-In : 72 hrs.

RATE No.	Orifice Size In.	(Meter) (Prover) Pressure psig	DIFF. In. (h _w)(h _d)	Flowing Temp. t	Well-Head Temp	Casing Wellhead Pressure		Tubing Wellhead Pressure		DURATION HOURS	Liquid Prod. Bbls
						psig	(P _w)(P _i)(P _a) psia	psig	(P _w)(P _i)(P _a) psia		
Shut-In						1465	1479.4	1483	1497.4	72	
1	0.500	45		30	60	1404	1418.4	1370	1384.4	1.25	0
2	0.500	120		30	60	1263	1277.4	1199	1213.4	1.25	0
3	0.750	60		30	60	1165	1179.4	1140	1154.4	1.25	0
4	0.750	80		30	60	1017	1031.4	995	1009.4	1.25	1
5											

RATE OF FLOW CALCULATIONS

RATE No.	COEFFICIENT (Fb) (Fp) MCFD	(METER) (PROVER) Pressure psia	EXTENSION sqrt(Pm x hw)	GRAVITY FACTOR Fg	Flowing Temp Factor Ft	DEVIATION FACTOR Fpv	RATE OF FLOW Q MCFD	GOR	G _m
1	4.388	59.4		1.202	1.030	1.014	323		
2	4.388	134.4		1.202	1.030	1.015	740		
3	9.694	74.4		1.202	1.030	1.014	905		
4	9.694	94.4		1.202	1.030	1.014	1149		
5									

PRESSURE CALCULATIONS

RATE No.	P _i psia	P _e psia	P _w psia	(P _e) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTTING POINTS		% SHUT-IN 100 $\frac{P_w - P_e}{P_i - P_e}$
						(P _e) ² -(P _w) ² THOUSANDS	Q Mcf/d	
1		1479.4	1418.4	2189	2012	177	323	95.8
2		1479.4	1277.4	2189	1632	557	740	86.2
3		1479.4	1179.4	2189	1391	798	905	79.5
4		1479.4	1031.4	2189	1064	1125	1149	69.4
5								

INDICATED WELLHEAD OPEN FLOW: 1850

Mcf/d @ 14.65 psia

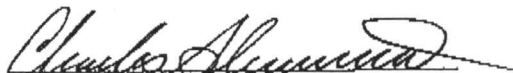
"n" = 0.69897

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 3rd day of October, 1999.

Witness (If Any)

For Commission


For Company: Charles Schmidt

Checked By

1 JH4'SFE
MADE IN USA

ONAMING PARTN NO. 11294-23
FRAGING PAPER NO. 1231-23
FULL LOG. 3 CYCLES BY 5 CYCLES

