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appropriate district office.
See Rule 401 & Rule 1122

SCANNED State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

30-025-36374

Operator EOG RESOURCES				Lease or Unit Name YELLOW FIN 23			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/9/04	Well No. 2
Completion Date 11/27/03		Total Depth 13000		Plug Back TD 12536		Elevation	Unit Ltr - Sec - TWP - Rge 23 16 35
Csg. Size 5 1/2	Wt. 17#	d	Set At	Perforations: From: 11881 To: 11993		County LEA	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11672	Perforations: From: To:		Pool 85210	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11672		Formation ATOKA	
Producing Thru TBG		Reservoir Temp. °F 171.6 @ 11672	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2		Connection SALES	
L 11672	H 11672	Gg 0.721	%CO ₂ 0.698	%N ₂ 0.887	%H ₂ S N/A	Prover N/A	Meter Run 4.026
Taps FLG							

FLOW DATA				TUBING DATA				CASING DATA				Duration of Flow
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F			
SI						1975		PKR			24 HRS	
1			370			380		"			24 HRS	
2												
3												
4												
5												

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							350
2							
3	MEASURED		BY	TOTAL	FLOW	METER	
4							
5							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio
1					889
2					63.2
3		N/A			0.921
4					XXXXXX
5					GMIX = 1.70

P _c 1988.2	P ₂ 3952.9	McFol.
		63.2
		0.921
		XXXXXX
		GMIX = 1.70
		668 P.S.I.A.
		378 R. 421 R

No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		3995.5	156.5	3796.5	1.041	1.041
2						
3						
4						
5						

Absolute Open Flow 364		Mcf @ 15.025	Angle of Slope (°): 45	Slope n: 1
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Remarks: WELL PRODUCED 9 BBLS 63.2 API CONDENSATE			
Approved By Division:	Conducted By: SIG WIRE LINE & TESTING	Calculated By: BM	Checked By: BM

VOL 1 :	350	PSIA 1 :	393.2	RESV.TEMP	171.6	Pc2-Pw2=	3796.5	Pw2 =	156.5	*
VOL 2 :		PSIA 2 :					ERR		ERR	*
VOL 3 :		PSIA 3 :		SHUT-IN PR=	1988.2		ERR		ERR	*
VOL 4 :		PSIA 4 :					ERR		ERR	*
										*
		PCR :	666				n =	1.000		*
		TCR :	421							*

LINE	RATE 1		RATE 2		RATE 3		RATE 4		ERR
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	ERR
1 QM	0.350	0.350	0.000	0.000	0.000	0.000	0.000	0.000	ERR
2 TW	534	534	534	534	534	534	534	534	ERR
3 Ts	631.6	631.6	631.6	631.6	631.6	631.6	631.6	631.6	ERR
4 T	582.8	582.8	582.8	582.8	582.8	582.8	582.8	582.8	ERR
PR (est)	0.59		0.00		0.00		0.00		ERR
5 Z(est)	0.901	0.886	ERR	ERR	ERR	ERR	ERR	ERR	
6 TZ	524.9	516.1	ERR	ERR	ERR	ERR	ERR	ERR	
7 GH/TZ	17.567	17.865	ERR	ERR	ERR	ERR	ERR	ERR	
8 eS	1.932	1.954	ERR	ERR	ERR	ERR	ERR	ERR	
9 l-e-S	0.483	0.488	ERR	ERR	ERR	ERR	ERR	ERR	
10 Pt	393.2	393.2	0.0	0.0	0.0	0.0	0.0	0.0	
11 Pt2 /1000	154.6	154.6	0.0	0.0	0.0	0.0	0.0	0.0	
12 Fr	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	0.010763	
13 Fc=FrTZ	5.649	5.555	ERR	ERR	ERR	ERR	ERR	ERR	
14 FcQm	1.98	1.94	ERR	ERR	ERR	ERR	ERR	ERR	
15 L/H(FcQm)	3.9	3.8	ERR	ERR	ERR	ERR	ERR	ERR	
16 Fw	1.886481	1.845816	ERR	ERR	ERR	ERR	ERR	ERR	
17 Pw2	156.5	156.5	ERR	ERR	ERR	ERR	ERR	ERR	
18 Ps2	302.4	305.7	ERR	ERR	ERR	ERR	ERR	ERR	
19 Ps	549.9	552.9	ERR	ERR	ERR	ERR	ERR	ERR	
20 P	471.6	473.1	ERR	ERR	ERR	ERR	ERR	ERR	
21 Pr	0.71	0.71	ERR	ERR	ERR	ERR	ERR	ERR	
22 Tr	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
23 Z	0.886	0.885	ERR	ERR	ERR	ERR	ERR	ERR	

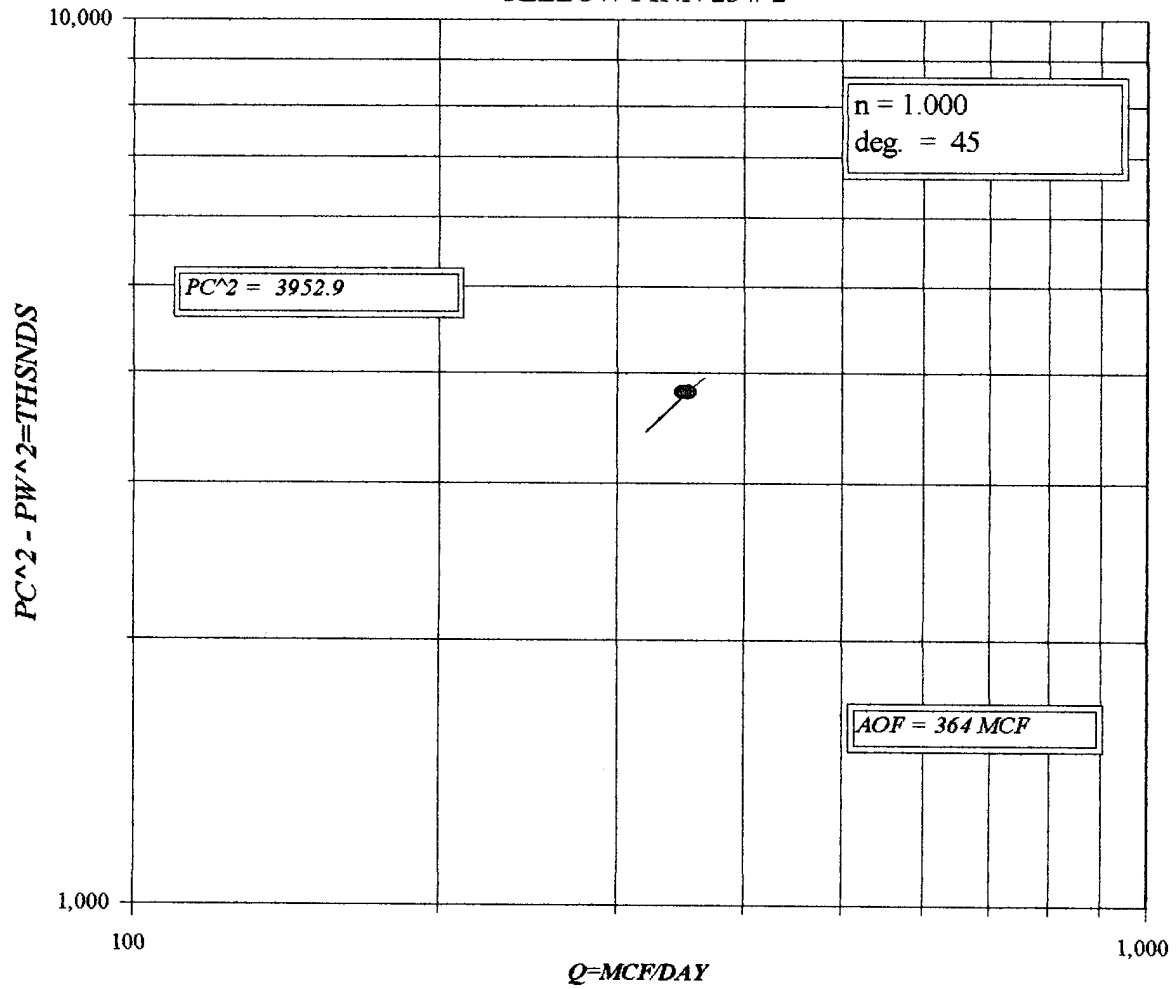
[Pc2/Pc2-Pw2]n = 1.041

AOF= Q 0.364

FORM C122-D

EOG RESOURCES

YELLOW FINN 23 # 2



NEW MEXICO G.O.R./G. MIX

NO. OF BBLs PRODUCED = 9.0
API GRAVITY @ 60 DEG. = 63.2

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SPECIFIC GRAVITY OF GAS = 0.7210

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TOTAL GAS PRODUCED = 350

G.O.R. = 38.889

G.MIX = 0.790