

SCANNED

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appropriate district office.
See Rule 401 & Rule 1122

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 30-025-36234

Operator EOG RESOURCES				Lease or Unit Name BLUE BAER DUNN 32			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1/15/04	Well No. 1
Completion Date 12/10/03		Total Depth 12884		Plug Back TD 12595		Elevation	Unit Ltr - Sec - TWP - Rge N 32 15 35
Csg. Size 4 1/2	Wt. 11.6	d	Set At 12595	Perforations: From: 12458 To: 12479		County LEA	
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 12350	Perforations: From: To:		Pool 96882	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12350		Formation MORROW	
Producing Thru TBG		Reservoir Temp. °F 177.8 @ 12350		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 12350		H 12350		Gg 850	%CO ₂ 3.557	%N ₂ 1.013	%H ₂ S N/A
Prover N/A		Meter Run 4.026		Taps FLG			
FLOW DATA				TUBING DATA			
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						1920	PKR
1	4 X	1.000	30			36	"
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}
1							
2							
3							
4	MEASURED			BY	TOTAL	FLOW	
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio DRY GAS Mcf/bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons DRY Deg.		
2					Specific Gravity Separator Gas XXXXXX		
3		N/A			Specific Gravity Flowing Fluid XXXXXX		
4					Critical Pressure * 677 P.S.I.A.		
5					Critical Temperature * 433 P.S.I.A.		
P _c 1933.2 P _{c2} 3737.3							
No.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) P _c ² = 1.001		
1		51.1	2.6	3734.7	P _c ² - P _w ²		
2							
3							
4							
5							
Absolute Open Flow 60 Mcfd @ 15.025					Angle of Slope Q: 45		
Slope n: 1							
Remarks: *= CORRECTION FOR 3.557 CO ₂ & 1.013 N ₂ --NO FLUID PRODUCED							
Approved By Division: 		Conducted By: SIGNAL WIRE LINE & TST.		Calculated By: BM		Checked By: BM	

0	COMPANY :	EOG RESOURCES	LEASE :	BLUE BAER DUNN 32	WELL NO. :	1	PC =	1933.2	PC2 =	3737.3	*	
	UNIT :		SECTION :	32	TOWNSHIP :	15					*	
	L :	12350	H :	12350	L/H :	1	G/GMIX :	0.850	Pt2 =	2.4	Pw =	51.1
	%CO2 :	3.557	%N2 :	1.013	H2S :		DATE :	1-15-04		0.0		ERR
	d :	1.995	Fr :	0.018231	GH :	10497.5	RANGE :	35		0.0		ERR
										0.0		ERR
												*
	VOL 1 :	60	PSIA 1 :	49.2	RESV.TEMP	177.8	PC2-Pw2=	3734.7	Pw2 =	2.6		*
	VOL 2 :		PSIA 2 :					ERR		ERR	*	
	VOL 3 :		PSIA 3 :		SHUT-IN PR=	1933.2		ERR		ERR	*	
	VOL 4 :		PSIA 4 :					ERR		ERR	*	
											*	
			PCR :	677					n =	1.000		*
			TCR :	433								*
									PC2/(PC2-Pw2) =	1.001		*
	LINE	RATE 1		RATE 2		RATE 3		RATE 4		ERR		*
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND	ERR		*
										ERR		*
										ERR		*
	1 QM	0.060	0.060	0.000	0.000	0.000	0.000	0.000	0.000			*
	2 TW	534	534	534	534	534	534	534	534	[PC2/PC2-Pw2]n =	1.001	*
	3 Ts	637.8	637.8	637.8	637.8	637.8	637.8	637.8	637.8		ERR	*
	4 T	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9		ERR	*
	PR (est)	0.07		0.00		0.00		0.00			ERR	*
	5 Z(est)	0.966	0.963	ERR	ERR	ERR	ERR	ERR	ERR			*
	6 TZ	565.8	564.4	ERR	ERR	ERR	ERR	ERR	ERR	AOF= Q	0.060	*
	7 GH/TZ	18.553	18.598	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
	8 eS	2.005	2.009	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
	9 l-e-S	0.501	0.502	ERR	ERR	ERR	ERR	ERR	ERR		ERR	*
	10 Pt	49.2	49.2	0.0	0.0	0.0	0.0	0.0	0.0			*
	11 Pt2 /1000	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0			*
	12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231			*
	13 Fc=FrTZ	10.315	10.290	ERR	ERR	ERR	ERR	ERR	ERR			*
	14 FcQm	0.62	0.62	ERR	ERR	ERR	ERR	ERR	ERR			*
	15 L/H(FcQm)	0.4	0.4	ERR	ERR	ERR	ERR	ERR	ERR			*
	16 Fw	0.192022	0.191419	ERR	ERR	ERR	ERR	ERR	ERR			*
	17 Pw2	2.6	2.6	ERR	ERR	ERR	ERR	ERR	ERR			*
	18 Ps2	5.2	5.2	ERR	ERR	ERR	ERR	ERR	ERR			*
	19 Ps	72.4	72.4	ERR	ERR	ERR	ERR	ERR	ERR			*
	20 P	60.8	60.8	ERR	ERR	ERR	ERR	ERR	ERR			*
	21 Pr	0.09	0.09	ERR	ERR	ERR	ERR	ERR	ERR			*
	22 Tr	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35			*
	23 Z	0.963	0.963	ERR	ERR	ERR	ERR	ERR	ERR			*
												*

FORM C122-D

EOG RESOURCES
BLUE BAER DUNN 32 # 1

