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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

Operator BASS ENTERPRISES PROD. CO.				Lease or Unit Name POKER LAKE UNIT			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2/17/03	Well No. 153
Completion Date 6/14/01		Total Depth 14515		Plug Back TD 13,980'		Elevation 3259 GL	Unit Ltr - Sec - TWP - Rgc 6 24S 30E
Csg. Size 5 1/2	Wt. 20	d 4.778	Set At 14,513	Perforations: From: 12,848 To: 12,860			County EDDY
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 12,819'	Perforations: From: To:			Pool <i>Remuda Basin</i> <i>Undesignated</i>
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 12,753		Formation ATOKA	
Producing Thru Tubing		Reservoir Temp. °F 213.9	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2			Connection SALES
L 12,753	H 12,753	Gg 0.62	%CO ₂ 0.317	%N ₂ 0.69	%H ₂ S N/A	Prover N/A	Meter Run 4.026
FLOW DATA				TUBING DATA		CASING 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						6831	N/A
1	4.026	X 1.750	584	39.4	88	6616	
2	4.026	X 2.250	608	42.5	89	6515	
3	4.026	X 2.250	604	50.8	99	6129	
4	4.026	X 2.250	689	126	102	5627	
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							2150
2							2445
3	TOTAL	FLOW	METER				2520
4							3024
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons Deg.		
2					Specific Gravity Separator Gas 0.62 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 674 P.S.I.A. P.S.I.A.		
5					Critical Temperature 358 R. R.		
P _c	6844.2	P _w	46843.07				
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{3.217}{\quad}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.792}{\quad}$		
1		6649	44209.2	2633.8			
2		6553.9	42954.1	3888.9			
3		6170.2	38070.8	8772.2			
4		5681.8	32282.6	14560.4			
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{9.041}{\quad}$		
Absolute Open Flow		9041		Mcf @ 15.025		Angle of Slope (°):	63.5
						Slope n:	0.499
Remarks:							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: MB	

BASS ENTERPRISES PROD. CO.
POKER LAKE UNITE #153

