

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 9/28/84	
Company Amoco Production Co.		Connection Not dedicated NWPL	
Pool Blanco		Formation Mesa Verde	
Completion Date 8/7/84	Total Depth 5301	Plug Back TD 5256	Elevation 6491 GL
Farm or Lease Name Jicarilla Contract 155			Well No. 32
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 5301
Perforations: From 5030 To 5214		Well No. 32	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5213
Perforations: From open To ended		Unit Sec. Twp. Rye. P 29 26 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F p	
Mean Annual Temp. °F		Baro. Press. - P _a	
State New Mexico		County Rio Arriba	
L	H	Gg	% CO ₂
		% N ₂	% H ₂ S
Prover		Meter Run	
Taps			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	12 days						1075	1303		
1.	2.375		.750				92	402		
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		104	1.000	.9258	1.009	1201
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
1.					Specific Gravity Separator Gas _____	XXXXXXX
2.					Specific Gravity Flowing Fluid _____	XXXXXX
3.					Critical Pressure _____ P.S.I.A.	P.S.I.A.
4.					Critical Temperature _____ R	R
5.						

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	1315	414	1729225	171396	1557829
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1100$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0814$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1299$			

Absolute Open Flow	1299	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: flared Med. Oil Lite H ₂ O			
Approved By Division	Conducted By: J. Barnett	Calculated By: J. Barnett	Checked By: [Signature]