

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
JAN 08 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-3-85	
Company El Paso Natural Gas		Connection	
Pool Basin		Formation Dakota	
Completion Date 12-27-84		Total Depth	Plug Back TD 6713
		Elevation 6589 GR	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6552
Perforations: From 6418 To 6552		Well No. 284	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6547
Perforations: From To		Unit Sec. Twp. Rge. 0 11 25 09	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru TBG		County San Juan	
Reservoir Temp. °F #		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L	H	G _g .680	% 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.	Temp. °F	
SI							1629		1522		7 Days
1.			.750			54	102		389		3-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, Mcf/d
1	12.365		114	1.006	.9393	1.016	1353
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 1641	P _w 2692881						
NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = \frac{2692881}{2532080}$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0473$
1		401	160801	2532080			
2							
3							
4							
5							

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1417$

Absolute Open Flow	1417	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: Gas vented during test = 890 MCF

Approved by Division	Conducted By Joe C. Lentine	Calculated By D. J. J. J.	Checked By
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