

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
JAN 07 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 11/28/84	
Company Amoco Production Company				Connection El Paso Natural Gas Co.	
Pool Basin				Formation Dakota	
Completion Date 10/22/84		Total Depth 6500		Plug Back TD 6450	
Elevation 5609GR		Farm or Lease Name Duff Gas Com "C"			
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6500	Perforations: From 6249 To 6357 1/2	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6340	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a		State New Mexico			
L	H	G _g	% 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	29 days						1995		2020	
1.	2.375	.750					118		395	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		130	1.000	.9258	1.015	1510
2.							
3.							
4.							
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 _____ XXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ °R

P _c 2042	P _c ² 4169764	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.0414$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.0309$
NO.	P _r ²	P _w	P _w ²
1	407	165649	4004115
2			
3			
4			
5			

AOR = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1557$

Absolute Open Flow 1557 Mcfd @ 15.025

Angle of Slope 0°

Slope, n .75

Remarks: flared 3 hrs., lite H₂O, lite oil

Approved By Division	Conducted By: J.J. Barnett	Calculated By: J.J. Barnett	Checked By:
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