

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
MAR 27 1984
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 3-19-84	
Company Amoco Production Company		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 3-6-84		Total Depth 7148	Plug Back TD 7100'
Elevation 5967		Form or Lease Name Heath Gas Com "P"	
Coq. Size 7.000	Wt. 23	d 6.366	Set At 2957 *
Perforations: From 6922 To 7046		Well No. 1E	
Thq. Size 2375	Wt. 4.7	d 1.995	Set At 7035
Perforations: From Open To Ended		Unit Sec. Twp. Rge. C 31 30 9	
Type Well - Single - Rendonhead - 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		County San Juan	
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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	10 Days						2038		2067		
1.	2.375	.750					55		696		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 _{sp}	Rate of Flow Q, Mcfd
1	12.365		67	1.000	.9258	1.008	773
2.							
3.							
4.							
5.							

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

P_c 2079		P_c^2 4322241		
NO	P_i^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		708	501264	3820977
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.1312}{}$$
$$ACI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{848}{}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0969}{}$$

Absolute Open Flow	848	Mcfd @ 15.025	Angle of Slope °	Slope, n .75
* 4.500" set @ 2783' to 7148'				

Approved By Division	Conducted By R. U. Montoya	Calculated By J. I. Barnett	Checked By
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