

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR DATA WELL

RECEIVED
FEB 14 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 2/5/85	
Company Amoco Production Company		Connection El Paso Natural Gas Company	
Pool Basin		Formation Dakota	
Completion Date 1/17/85		Total Depth 6424	Plug Back TD 6314
Elevation 6036 GR		Firm or Lease Name H.B. McGrady "A"	
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6424
Perforations: From 6176 To 6248		Well No. 1E	
Thq. Size 2375	Wt. 4.7	d 1.995	Set At 6272
Perforations: From open To ended		Unit Soc. Twp. Rye. P 27 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single		Packer Set At None	County San Juan
Producing Thru tubing		Reservoir Temp. °F P	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.	Temp. °F	
SI	12 days						1760		1810		
1.	2375	.750					354		792		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		366	1.000	.9258	1.046	4383
2.							
3.							
4.							
5.							

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

P _c 1822	P _c ² 3319684	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2418$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1764$
NO. 1	P _w ² 804	P _w ² 646416	P _c ² - P _w ² 2673268
2.			
3.			
4.			
5.			

Absolute Open Flow 5156 Mcfd @ 15.025		Angle of Slope ϕ _____	Slope, n .75
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Remarks: Lite H₂O, med. oil, flared

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