

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 28 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 8-23-85				
Company El Paso Natural Gas					Connection				
Pool Blanco					Formation Mesa Verde				
Completion Date 8-23-85		Total Depth 5828		Plug Back TD 5812		Elevation 6828 GR		Farm or Lease Name Hancock	
Gas. Size 7.000	Wt. 20	d 6.456	Set At 5828	Perforations: From *5327 To 5782		Well No. #5A			
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 5760	Perforations: From To		Unit Sec. Twp. Rge. F 27 28 9			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg .690	% 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			.750				561		707		7 Days
1.				159		69	159		561		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		171	.9915	.8715	1.019	1861
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 _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _r 719	P _r ² 516961			
NO.	P _r	P _w	P _w ²	P _r ² - P _w ²
1		573	328329	188632
2				
3				
4				
5				

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = \frac{516961}{188632}$$

$$ACF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3964$$

$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2.1300$$

Absolute Open Flow 3964 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: *4.500 Liner from 3107' to 5828.
Blew slug of oil & water turned to mist. Gas vented during test = 284 MCF

Approved by Commission:	Conducted By: Don Norton	Calculated By: Cliff Brock	Checked By: kld
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