

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

Form C-122
Revised 9-1-65

RECEIVED
SEP 05 1985
OIL CON. DIV.
DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-3-85			
Company El Paso Natural Gas				Connection			
Pool Blanco				Formation Pictured Cliffs			
Completion Date 9-3-85		Total Depth		Plug Back TD		Elevation 5744 GR	
Farm or Lease Name Howell K				Well No. #6			
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At	Perforations: From 2440 To 2557			
Tub. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. L 20 30 08	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Csg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State New Mexico							
L	H	Cg .670	% 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									959		7 Days
1.			.750	12		61			12		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		24	.9990	.9463	1.004	282
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 971	P _w 942841		
NO.	P _r	P _w	P _r ² - P _w ²
1		29	841
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{942841}{942000}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 282$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.000$

Absolute Open Flow 282 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .85
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Remarks: Blew light mist during test.
Gas vented during test = 29 MCF.

Approved by Commission:	Conducted By: Bob Easterling	Calculated By: Cliff Brock	Checked By: kld
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