

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Ballard			Formation Pictured Cliffs			County Sandoval		
Initial X		Annual		Special		Date of Test 10-4-66		
Company H. K. Keesee				Lease Cinco Diablos			Well No. 1	
Unit C	Sec. 29	Twp. 23-N	Range 3-W	Purchaser El Paso Natural Gas Co.				
Casing 4 1/2	Wt. 9.5	I.D. 4.090	Set at 3052	Perf. 2954	To 2966			
Tubing 2 3/8	Wt. 4.7	I.D. 1.995	Set at 2937	Perf. Open-ended	To			
Gas Pay: 2949		From 2969		To 2930		L 0.700		G 2051
GL 12.0		Bar. Press.						
Producing Through: X				Type Well - Single - Braden head - G.G. or G.O. Dual Single-Gas				
Date of Completion 9-27-66		Packer			Reservoir Temp.			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.		3/4	188		63	188	63	336		7 days 3 hrs
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.3650		200	0.9971	0.9258	1.022	2,333
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

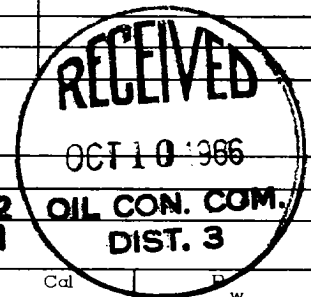
Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1-e^{-S}) _____ P_c **659** P_c² **434.2**

P_w 348 P_w² 121.1

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{P_w}{P_c}$
1.						121.1	313.1		0.528
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **3,061** MCFPD; n **0.85**

COMPANY **H. K. Keesee** WITNESSED **G. L. Hoffman**

ADDRESS **Box 1995, Farmington, N.M.** COMPANY **Beta Development Co.**

AGENT AND TITLE **V. L. Wiederkehr Consultant**