

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

Form C-122
 Revised 9-1965

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-14-79	
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 12-03-79		Total Depth 6547		Plug Back TD 6504		Elevation 5532	
Farm or Lease Name HARE GAS COM		Well No. C NO. 1E		Perforations: From 6269 To 6494		Csg. Size 4.500	
Unit F		Sec. 25		Twp. 29n		Rge. 10w	
Thq. Size 2.375		Wt. 4.7		Set At 6489		Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE						Packer Set At NONE	
Producing Thru		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baio. Press. - P _d	
State NEW MEXICO		County SAN JUAN		Prover		Meter Run	
L		H		Gg		% CO ₂	
						% N ₂	
						% H ₂ S	
						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	7 DAYS						1337		1645		3 hrs
1.	2.375		750				165		740		
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		177	1.000	.9258	1.021	2069
2.							
3.							
4.							
5.							

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

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	1645	752	2706025	565504	2140521
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{1.2642}$

LOG = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{2467}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{11922}$

JAN 16 1980
OIL CON. COM.
DIST. 3

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____ Slope, n .75
Remarks: _____	

Approved by Commission	Conducted by JJB	Calculated by J J BARNETT	Checked by B. F. FACKRELL
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