

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date			
Company TEXACO, INC.						Connection							
Pool BASIN DAKOTA						Formation DAKOTA							
Completion Date (9-30-80				Total Depth 6520		Plug Back TD 6480		Elevation 5718 KB		Farm or Lease Name KEYS COM			
Csg. Size 4.5		Wt. 10.5		d 3.927		Set At 6520		Perforations: From 6315' To 6416'				Well No. 1E	
Tbg. Size 2.375		Wt. 4.7		d 1.995		Set At 6420		Perforations: From To				Unit Sec. Twp. Rge. F 32 29N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE								Packer Set At -----		County SAN JUAN			
Producing Thru TBG				Reservoir Temp. °F 158 @ 6520		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State NEW MEXICO			
L --		H --		Gg .685		% 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	
1							869		869		8 days
2											
3	2"		.75	26		61			197		3 hrs.
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							
2							
3	11.00		38.2	.999	1.208	1.000	
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1						
2						
3	.057	521	1.35	1.000	A.P.I. Gravity of Liquid Hydrocarbons Specific Gravity Separator Gas .685	
4					Specific Gravity Flowing Fluid X X X X X	
5					Critical Pressure 669 P.S.I. Critical Temperature 385 R	

$P_c = 881.2$ $P_c^2 = 776.5$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0597$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.044$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²				
1								
2								
3		209.2	43.8	732.8	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 530$			
4								
5								

Absolute Open Flow 530 Mcfd @ 15.025				Angle of Slope @		Slope, n .75	
Remarks:							

Approved By Commission:	Conducted By: C. TERRY HOBBS	Calculated By: C. TERRY HOBBS	Checked By:
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