

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 12-19-80	
Company Texaco, Inc.			Connection El Paso Natural Gas Co.			
Pool Basin Dakota			Formation Dakota		Unit	
Completion Date 12-11-80		Total Depth 6865'		Plug Back TD 6822'	Elevation 5974 KB	
Farm or Lease Name Federal-State Com						
Csg. Size 4-1/2	Wt. 10.5	d 3.927	Set At 6865'	Perforations: From 6734 To 6785	Well No. 1E	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6785	Perforations: From To	Unit Sec. Twp. Rge. A 32 30N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ----	County San Juan	
Producing thru Tubing		Reservoir Temp. °F 168 @ 6865	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2	State New Mexico	
L 6785	H 6785	G _g 0.688	% CO ₂ 1.74	% N ₂ 0.28	% 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							1250		1380		7 days
1.											
2.											
3.	2"	x	3/4"	67		64			270		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							
2							
3	11.00		282.2	0.996	1.206	1.01	1057
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1							0.688	XXXXXX		
2								XXXXXX		
3	0.12	524	1.37	0.98					675 P.S.I.A.	382 °R
4										
5										

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1						
2						
3		282.2	79.6	1858.4	1.043	1.032
4						
5						

Absolute Open Flow 1091 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By: C.Terry Hobbs	Calculated By: C.Terry Hobbs	Checked By:
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NMOCC(2) GLE ARM JHP