

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 1-10-81	
Company TEXACO, INC.				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date 12-31-80		Total Depth 6340'		Plug Back TD 6310'		Elevation 5671' KB
Farm or Lease Name H.J. LOE "B" FEDERAL						Well No.
Csg. Size 4.5"	Wt. 10.5	d 3.927	Set At 6340	Perforations: From 6188 To 6290		Unit 2E
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6290	Perforations: From To		Unit Sec. Twp. Rge. E 23 29N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At ---		County San Juan
Producing Thru tbg		Reservoir Temp. °F 163 @ 6340		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2
State New Mexico						
L	H	Gg	% 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							275		575		SI 7 days
1.											
2.											
3.	2"	x	3/4"	30		62			255		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	----	42.2	.9981	1.219	1.0100	570
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	.673
3	.063	521	1.36	.9900	Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	669
5					Critical Temperature	382

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		267.2	71.4	273.4	1.26	1.19
4						
5						

Absolute Open Flow 679 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:
-------------------------	--	---	-------------

NMOCC(2) GLE ARM JHP