

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-17-90				
Company TEXACO INC.				Connection NOT CONNECTED					
Pool Basin				Formation Dakota				Unit	
Completion Date 9-7-90		Total Depth 7150		Plug Back TD 7101		Elevation 6986		Farm or Lease Name Jicarilla "B"	
Csg. Size 3.500	Wt. 9.3	d 2.992	Set At 6071	Perforations: From 6932 To 6986			Well No. 4		
Tng. Size 2.063	Wt. 3.25	d 1.751	Set At 6964 SN	Perforations: From Open To ended			Unit Sec. Twp. Rge. M 32-25N- 5W		
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single					Packer Set At -		County Rio Aribba		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _g 12.0		State NM	
L 6964	H 6964	Gg EST. 690	% CO ₂	% N ₂	% H ₂ S	Prover 2.0x.75	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	10 Day Shut in						1642		1885	
2.	2.000x.750						496	60	1112	1st Hr.
3.	2.000x.750						175	60	701	2nd Hr.
4.	2.000x.750						29	60	411	3rd Hr.
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	11.000		508	1.000	1.204	1.064	7159
2	11.000		187	1.000	1.204	1.022	2531
3	11.000		29	1.000	1.204	1.000	543
4							
5							

NO.	P _t	Temp. °R	T _r	2	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					P.S.I. Gravity of Liquid Hydrocarbons 41.0 _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 1897 P _c ² 369861					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0523$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0390$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1								
2								
3		423	17829	3419680	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 564$			
4								
5								

Absolute Open Flow 564 _____ Mcfd @ 15.025		Angle of Slope ϕ _____		Slope, n .75	
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Remarks: Well flowed 6 Bls of oil and 14 Bls load water			
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Approved By Division	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By: Alan A. Klier
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