

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TEXACO EXPLORATION					Lease or Unit Name J. R. PHILLIPS				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-30-96		Well No. 14		
Completion Date 5-21-96		Total Depth 3480		Plug Back TD 3446		Elevation 3585 GL		Unit Ltr - Sec - TWP - Rge. D-6-20S-37E	
Csg. Size 5 1/2	Wt. 15.5	d 4.950	Set At 3480	Perforations: From: 3198 To: 3262			Country LEA		
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At 3270	Perforations: From: To:			Pool		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At N/A			Formation EUMONT YATES 7 RIVERS		
Producing Thru TBG		Reservoir Temp. °F 92		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection SALES	
L 3270	H 3270	G _g .698	% CO ₂ 4.15	% N ₂ 1.83	% H ₂ S -0-	Prover -0-	Meas Run 2.067	Taps FLG.	

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						180				24 hr.
1.	2.067 X 1.250					100				24 hr.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							380
3.							
4.							
5.							

VOLUME FROM TOTAL FLOW METER							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/bbl.	
1.							
2.							
3.							
4.							
5.							

P _c 193.2 - P _c ² 37.3					N/A		Mcft/bbl.	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	A.P. L Gravity of Liquid Hydrocarbons	Deg.		
1.								
2.								
3.								
4.								
5.								

$1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.656$					$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.656$				
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 629$									

Absolute Open Flow 629 Mcfd @ 15.025		Angle of Slope Θ 45°		Slope, n 1.000	
---	--	------------------------------------	--	-----------------------	--

Remarks:

Approved By Division	Conducted By: PRO WELL TESTER	Calculated By: MB	Checked By: BM
----------------------	---	-----------------------------	--------------------------