

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 4/14/83	
Company Union Texas Petroleum Corp.				Concession Gas Company of New Mexico	
Pool Basin				Formation Dakota	
Completion Date 7/19/82		Total Depth 7010		Plug Back TD 6961	
Elevation 6599		Form or Lease Name Jicarilla "L"			
Crp. Size 5.500	Wt. 15.50	d 4.950	Set At 7005	Perforations: From 6852 To 6914	
Trq. Size 2.375	Wt. 4.70	d 1.995	Set At 6943	Perforations: From 6874 To 6880	
Type Well - Single - Brdhead - G.C. or G.O. Multiple Single				Packer Set At -----	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F -----	
Baro. Press. - P _a -----		State New Mexico			
L 6864	H -----	G _g 0.700	% 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	2"		3/4"				1400		1400		7 Days
1.							42	57°	197		3 HOURS
2.											
3.											
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	12.3650		54	1.0029	0.9258	1.000	620
2.							
3.							
4.							
5.							

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

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.0224$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.0167$
1		209	43,681	1,950,063		
2.						
3.						
4.						
5.						

$AOI = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 630$

$AOI = Q$

Absolute Open Flow	630	Mcfd @ 15.025	Angle of Slope θ	Slope, n	0.75
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Remarks: _____

Approved By Commission:	Conducted By: Doyal Parret	Calculated By: Ken Roddy	Checked By:
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