

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RECEIVED
Form C-122
Revised 10-1-78
SEP 26 1988

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/14/88	
Company Union Texas Petroleum Corp.				Connection Gas Co. of New Mexico		
Pool Tapacito				Formation Pictured Cliffs		Unit
Completion Date 8/26/88		Total Depth 3400		Plug Back TD 3342		Elevation 6660 -G.L.
Csq. Size 4.500		Wt. 10.5		Set At 3382		Form or Lease Name Jicarilla "H"
Tbg. Size 2.375		Wt. 4.7		Set At 3285		Well No. 15
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Gas - Single				Perforations: From 3246 To 3291		Unit Sec. Twp. Rge. 0 19 26N 4W
Producing Thru Tubing				Packer Set At 12		County Rio Arriba
L		H		Gg 0.670		% 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"				930		933		7 Days
1.							201	58°	527	58°	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		213	1.0019	0.9463	1.024	2557
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 _____ R

$P_c = 945$ $P_c^2 = 893,025$				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		539	290,521	602,504
2				
3				
4				
5				

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4822$

$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3433$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3435$

Absolute Open Flow 3435	Mcf @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: Light Mist 100% water

Approved By Division	Conducted By: Steve Greenwood	Calculated By: John C. Rector	Checked By:
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