

NEW XICO 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	
Company UNION TEXAS PETROLEUM CORP.				Connection NONE			
Pool WILDCAT				Formation FUSSELMAN		Unit	
Completion Date 3-9-1972		Total Depth 10,946		Plug Back TD 8850		Elevation 3006	
Csg. Size 5 1/2		Wt. 17#		d 4.892		Set At 10,946	
Tbg. Size 2 3/8		Wt. 4.7		d 1.995		Set At 8658	
Perforations: From 8774 To 8788				Well No. 1			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 8658		County LEA	
Producing Thru TUBING		Reservoir Temp. °F 60		Mean Annual Temp. °F 60		Baro. Press. - P _g 13.2	
L 8658		H 8658		G _g 0.6254		% CO ₂ 1.09	
				% N ₂ 0.94		% H ₂ S NONE	
Prover 2"OWT		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							2400				
1.	2"OWT		0.75	14.0		41	2364	75	10/64 CHOKE		1 HR
2.	2"OWT		1.00	29.0		2	2040	76	13/64 CHOKE		1 HR
3.	2"OWT		1.50	29.0		22	1704	77	16/64 CHOKE		1 HR
4.	2"OWT		1.50	41.5		22	1382	77	20/64 CHOKE		1 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	VOLUMES FROM MERLA TABLES						317
2	BY LEWIS HAMMOND						930
3.							2503
4.							3245
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio 15,086 Mcf/bbl.
1	LESS THAN TABLE COVERAGE				
2.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
3.					Specific Gravity Separator Gas _____ XXXXXXXXXX
4.					Specific Gravity Flowing Fluid _____ XXXXXX
5.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
					Critical Temperature _____ R _____ R

P _c 3099.2	P _c ² 9605.0					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8811$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8811$
1		2600.2	6761	2844.0		
2		2510.2	6301	3304.0		
3		2175.2	4731	4874.0		
4		2121.2	4499	5106.0		
5						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6104$

Absolute Open Flow **6104** Mcfd @ 15.025

Angle of Slope @ **45°**

Slope, n **1.00**

Remarks: **BOTTOM HOLE PRESSURES MEASURED WITH AMERADA GAUGE AT 8795**

Approved By Commission: 	Conducted By: DGT	Calculated By: 	Checked By:
-----------------------------	-----------------------------	--------------------	-------------

RECEIVED

MAR 21 1970

OIL CONSERVATION COMM.
HOUSTON, TEXAS