

RECEIVED
OCT 19 1984
O. C. D.
ARTESIA, OFFICE

Type Test 4 POINT ☒ Initial ☐ Annual ☐ Special				Test Date 10-15-84			
Company AMOCO				Connection TO AIR			
Pool Wildcat				Formation STRAWN			
Completion Date 10-13-84		Total Depth 11915 10915		Plug Hole 10700-10666		Elevation 3546.	
Casing Size 5.500		WT. 17.0		d 4.892		Set At 11915	
Perforations From 9295		To 9308		Well No. #1		Form or Lease Name FED. "DH" GAS COM	
Casing Size 2.375		WT. 4.7		d 1.995		Set At 9308	
Perforations From 0		To 0		Unit M		Sec. 11	
Twp. 15S		Rge. 27E		County EDDY		State NEW MEXICO	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple SINGLE				Packer Set At 9130.		Country EDDY	
Producing thru TUBING		Reservoir Temp. °F 178		Mean Annual Temp. °F 60.0		Laro. Press. - P _h 13.2	
L 9301.		H 9301.		G _g 0.660		% CO ₂ 0.10	
				% N ₂ 1.24		% H ₂ O 0.	
				Prover 4.0		Molar Hun FLANGE	

FLOW DATA						TUBING DATA		B.H.P. 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.		CHOKE
1	4.03 X 1.750			370.	8.0	80	1968.		2680.		40.5
2	4.03 X 1.750			380.	16.0	70	1858.		2551.	9.5/64	1.0
3	4.03 X 1.750			390.	38.0	70	1792.		2472.	13/64	1.0
4	4.03 X 1.750			400.	84.0	68	1676.		2348.	16/64	1.0
5	4.03 X 1.750			400.			1462.		2144.	19.5/64	1.0

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. Compres. Factor F _{sp}	Rate of Flow Q, Mcfd
1	14.93	55.37	383.2	0.9813	1.2309	1.0355	1034.
2	14.93	79.32	393.2	0.9905	1.2309	1.0383	1499.
3	14.93	123.78	403.2	0.9905	1.2309	1.0393	2341.
4	14.93	186.30	413.2	0.9924	1.2309	1.0407	3535.

NO.	P _h	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.57	540.	1.45	0.933	44.0	63.0	0.660	XXXXXX	668.	374.
2	0.59	530.	1.42	0.928				XXXXXX	665.	392.
3	0.60	530.	1.42	0.926				XXXXXX		
4	0.62	528.	1.41	0.923				XXXXXX		

NO.	P ₁	P _w	P ₂	P ₂ - P _w
1	6577.	1917.	3673.	377.
2	6177.	1858.	3452.	598.
3	5577.	1767.	3124.	927.
4	4654.	1620.	2624.	1426.

(1) $\frac{P_c^2}{P_b^2 - P_w^2} = 2.8401$

(2) $\left[\frac{P_c^2}{P_b^2 - P_w^2} \right]^n = 2.6288$

AOI = 0 $\left[\frac{P_c^2}{P_b^2 - P_w^2} \right]^n = 9293.$

Post ID-2
11-2-84
Comp + BK.

Absolute Open Flow 9293.		Mold # 15.025		Angle of Slope 47.2		Slope, n 0.926	
Remarks: BOTTOM HOLE PRESSURES MEASURED WITH AMERADA PRESSURE ELEMENTS.							
Approved By Commission		Conducted By RICHARD TOWNLEY		Calculated By BENNETT & CATHEY INC.		Checked By	