

N MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

REC-101

13 file
C-132 file

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-30-72				
Company David Fasken ✓				Connection None					
Pool Wildcat				Formation Cisco				Unit ANTHONY, OFFICE	
Completion Date March 19, 1972		Total Depth 9250		Plug Back TD 9054		Elevation 3527 G1		Farm or Lease Name Arco "9" Morrison	
Csg. Size 4 1/2	Wt. 11.60	d 3.920	Set At 4.000	Perforations: From 7138 To 7200		Well No. 1			
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 7035	Perforations: From To		Unit Sec. Twp. Rge. B 9 19S 25E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At 8835		County Eddy		
Producing Thru Tubing		Reservoir Temp. °F 138 @ 7169		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L 7169	H 7169	Gg 0.687	% CO ₂	% N ₂	% H ₂ S	Prover X	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	262 1/2 hrs						1825				
1.	2		7/32	735		76	1841	76			1 hr
2.	2		1/4	700		76	1771	76			1 hr
3.	2		5/16	745		76	1734	76			1 hr
4.	2		3/8	725		76	1694	76			1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	0.8393		748.2	0.9850	1.206	1.081	806.4
2	1.087		713.2	0.9850	1.206	1.077	991.8
3	1.672		758.2	0.9850	1.206	1.071	1612.8
4	2.388		738.2	0.9850	1.206	1.080	2261.6
5							

NO.	P _t	Temp. °R	T _r	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	1.12	536	1.39	856	53.908 Mcf/bbl.	59	0.687	XXXXXX	669 P.S.I.A.	385 °R
2	1.07	536	1.39	862						
3	1.13	536	1.39	872						
4	1.10	536	1.39	858						
5										

P _f 2341.2 P _f ² 5481			
NO.	P _t ²	P _s	P _s ² P _f ² - P _s ²
1		2323.2	5397 84
2		2311.2	5342 139
3		2287.2	5231 250
4		2233.2	4987 494
5			

(1) $\frac{P_c^2}{P_c^2 - R_w^2} =$ _____

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

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

Absolute Open Flow 9400 Mcfd @ 15.025		Angle of Slope @ 59° 22'		Slope, n 0.59215	
Remarks: BHP measured w/Amerada RPG-3 gauge.					
Approved By Commission:		Conducted By: Tefteller, Inc		Calculated By: E. Tefteller	
				Checked By:	