

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Formation DAKOTA County San Juan
Initial ✓ Annual Special Date of Test 7/18/61
Company Apache Oil & Gas Co. Lease Whiskey Well No. 6-0
Unit N Sec. 8 Twp. 27N Rge. 9W Purchaser
Casing 4 1/2" Wt. 9.5 I.D. 4.090 Set at 6965 Perf. 6774 To 6924
Tubing 2 3/8 Wt. 4.7 I.D. 1.945 Set at 6738 Perf. 14 1/2" Collar To
Gas Pay: From 6774 To 6924 L 6738 xG 0.70 -GL Bar. Press. 120
Producing Thru: Casing Tubing ✓ Type Well Single
Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 7/11/61 Packer Reservoir Temp.

OBSERVED DATA

Tested Through (~~Plunger~~) (Choke) (~~Plunger~~)Type Taps

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI						1983		1983		7 min
1.		0.750				208	80	523		3 min
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	12.365		2.0	0.9813	0.9208	1.046	25.3
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio cf/bbl.
Gravity of Liquid Hydrocarbons deg.
F_c (1-e⁻⁸)

Specific Gravity Separator Gas
Specific Gravity Flowing Fluid
1995 P_c 2.92102

No.	P _w P _t (psia)	P _c ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)
1.	535				
2.					
3.					
4.					
5.					

No.	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.	693.389		
2.			
3.			
4.			
5.			

Absolute Potential: 2080 MCFPD; n
COMPANY Apache Oil & Gas Co.
ADDRESS Denver, Colorado
AGENT and TITLE
WITNESSED
COMPANY

REMARKS

RECEIVED

JUL 24 1961

OIL CON. COM.
DIST. 3