NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WEL

Form C-122
Revised 9-1-65

RECEIVED
JUN 21967
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/28/67	
Company: Aztec Oil and Gas			Connection: Southern Union Gas		
Pool: Fulcher Kutz			Formation: Pictured Cliff		Unit
Completion Date: 5/9/67	Total Depth: 2065		Plug Back TD: 2052	Elevation: 5963 GR	Farm or Lease Name: Newman "A"
Csg. Size: 3½ / Wt.: 7.7# / d: / Set At: 2052			Perforations: From 1964 To 2018		Well No.: 6
Tbg. Size: 1 / Wt.: 1.7 / d: / Set At: 2016			Perforations: From 2016 To open end		Unit: J / Sec.: 19 / Twp.: 28N / Rge.: 10W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single			Packer Set At:		County: San Juan
Producing Thru: casing	Reservoir Temp. °F: @	Mean Annual Temp. °F:	Baro. Press. – P_a:		State: New Mexico
L	H	Gg	% CO_2	% N_2	% H_2S / Prover / Meter Run / Taps

FLOW DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2"	3/4	7 days			247		247		
1.						140	60 (est)	97	60 (est)	3 hr
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		109	1.000	.9258	1.011	1261
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_f	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 259 P_c^2 67,081

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		152	23,104	43,977
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5254$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4279$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1800$

Absolute Open Flow 1800 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .85

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Jack A. Thomas	

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