File

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
AUG 23 1966
OIL CON. COM.
DIST. 3

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 8/22/66	
Company: Aztec Oil and Gas		Connection: Southern Union Gathering		
Pool: Basin Dakota		Formation: Dakota		Unit
Completion Date: 8/15/66	Total Depth: 6750	Plug Back TD: 6732	Elevation: 5857 GL	Farm or Lease Name: Hudson
Csg. Size: 4½ / Wt.: 10.5 / 11.6 / d: 4.000 / Set At: 6750		Perforations: From 6460 To 6680		Well No.: 3
Tbg. Size: 1½ / Wt.: 2.75 / d: 1.610 / Set At: 6597		Perforations: From 6567 To 6577		Unit: E / Sec.: 35 / Twp.: 30N / Rge.: 12W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: single - gas		Packer Set At		County: San Juan
Producing Thru: tubing	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					TUBING DATA		CASING DATA		
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	Duration of Flow
SI	2"	3/4"				1747		1719		
1.						170	60 (est)	747	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		182	1.000	.9258	1.022	2129
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	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 1759 P_c^2 3,094,081

NO	P_t^2	P_w^2	P_w^2	$P_c^2 - P_w^2$
1				
2				
3				
4				
5				

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ 2485

Absolute Open Flow 2485 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Original Signed By Carl E. Jamison	