NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☒ Special			Test Date: 4/26/78	
Company: Robert C. Anderson	Connection: New Well			
Pool: Straight Canyon	Formation: Dakota		Unit:	
Completion Date: June 5, 1977	Total Depth: 2559	Plug Back TD:	Elevation: 5715	Farm or Lease Name: Ute Mountain Ute
Csg. Size: 4.500 / Wt.: 10.5 / d: 4.052 / Set At: 2559	Perforations: From 2292 To 2312			Well No.: #3
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 2302	Perforations: From To			Unit: F / Sec.: 14 / Twp.: 31 / Rge.: 16
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas - Single		Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.60				2"		

	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						771		774		SIP
1.	2"	x 3/32"	589		62°	589		607		2 hrs.
2.	2"	x 1/8"	421		68°	421		513		2 hrs.
3.	2"	x 3/16"	228		64°	228		389		2 hrs.
4.	2"	x 1/4"	147		60°	147		305		2 hrs.
5.	2"	x 1/4"	132		60°	132		303		12 hrs.

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	0.1410		601	.998	1.291	1.056	115
2.	0.2648		433	.992	1.291	1.037	152
3.	0.6082		240	.996	1.291	1.016	191
4.	1.087		159	1.000	1.291	1.012	226
5.	1.087		144	1.000	1.291	1.012	205

NO.	P_t	Temp. °R	T_t	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 786 P_c^2 617796

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		619	383161	234635
2		525	275625	342171
3		401	160801	456995
4		317	100489	517307
5		315	99225	518571

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

RECEIVED
DEC 1 1978
OIL CON. COM.
DIST. 3

Absolute Open Flow 235 Mcfd @ 15.025 | Angle of Slope θ 38° | Slope, n .78

Remarks: Well has not been fraced.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Fred S. Hamrick	Fred S. Hamrick	B.J. Broughton

BJB/aa