

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 6/1/84		AUG 9 1984			
Company: Amoco Production Company				Connection:				OIL CONSERVATION DIVISION	
Pool: Bravo Dome				Formation: Tubb				Unit: BDCDGU	
Completion Date: 5/17/81		Total Depth: 2560'		Plug Back TD: 2493'		Elevation: 4510'		Farm or Lease Name:	
Csg. Size: 5-1/2	Wt.: 14#	d:	Set At: 2560'	Perforations: From 2123' To 2170'				Well No.: 1935 141G	
Tub. Size: 2-7/8	Wt.: 6.5#	d: 2.438	Set At: 2113'	Perforations: From To				Unit: G Sec: 14 Twp: 19N Rge: 35E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2074'		County: Union			
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2147'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25		State: New Mexico	
L: 2147'	H: 2147'	G _g : 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0	Prover:	Meter Run: 4.0	Taps: Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							334.5				1000 HR
1.	4.026 x	2.125		275	.5	89	274				1.5
2.	4.026 x	2.125		240	24	64	239				1.5
3.	4.026 x	2.125		211	50	64	211				1.5
4.	4.026 x	2.125		203	57	63	204				1.5
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							85
2							1509
3							2016
4							2115
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio: 0 Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons: _____ Deg.
2					Specific Gravity Separator Gas: 1.529 XXXXXXXXXX
3					Specific Gravity Flowing Fluid: XXXXXX
4					Critical Pressure: 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature: 496 R _____ R

P _r : 346.8	P _c ²		
NO.	P _c ²	P _w	P _w ²
1		286.3	38.3
2		251.3	57.1
3		223.3	70.4
4		216.3	73.5
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.503$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3307$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.503$

Absolute Open Flow: 3307 Mcfd @ 15.025	Angle of Slope θ: _____	Slope, n: 1.0
Remarks: _____		
Approved By:	Conducted By: _____	Calculated By: Don White
		Checked By: _____