

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

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special		Test Date: 3/13/89 3/18/89	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 1/9/89		Total Depth: 2696'	Plug Back TD: 2696'
Elevation: 4906' GL		Farm or Lease Name:	
Csq. Size: 5.5	Wt. 5.5	d 4.7	Set At 2564'
Perforations: Open Hole From 2564' To 2696'		Well No. 1934-322J	
Tbg. Size:	Wt.	d	Set At
Perforations: From / To		Unit J 32 19N 34E	
Type Well - Single - Ironhead - G.C. or G.O. Multiple Single		Packer Set At	
Producing Thru Open hole		Reservoir Temp. °F 90	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.25		County Union	
State New Mexico		Motor Run 4.0	
Taps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Correction 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				294			294				
1.	4.026 x 2.5			254.4	4.4	61	258	61	0		24 hours
2.	4.026 x 2.5			241.0	6.0	61	244	61	0		24 hours
3.	4.026 x 2.5			218.0	11.5	62	221	62	0		24 hours
4.	4.026 x 2.5			203.2	15.4	63	206	63	0		24 hours
5.									0		24 hours

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _G	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							962
2.							1091
3.							1430
4.							1572
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0		1.529	XXXXXX	1072	496
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²
1.	266.65	71.102	22.687	
2.	253.25	64.136	29.653	
3.	230.25	53.015	40.774	
4.	215.45	46.419	47.370	
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.31$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.76$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2650$

Absolute Open Flow 2650 Mcfd @ 15.025

Angle of Slope θ 55.9

Slope, n 0.68

Remarks:

Approved By Commission:	Conducted By: Mock Well Testing	Calculated By: Richard Roeth	Checked By:
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Richard Roeth
by *Ben*