

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: 8-17-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 12-14-84		Total Depth: 2894	Plug Back TD: 2850
Elevation: 4752		Farm or Lease Name:	
Csg. Size: 7	Wt.: 20#	d: 6.456	Set At: 2894
Perforations: From 2505 To 2535		Well No.: 1833-251J	
Tub. Size: 3.5	Wt.: 9.5#	d: 3.00	Set At: 2339
Perforations: From To		Unit: J 25 18 33	
Type Well - Single - Broadhead - G.G. or G.O. Multiple		Packer Set At: 2339	County: Harding
Producing Thru: Tubing		Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50
Baro. Press. - P _g : 12.25		State: New Mexico	
L	H	G _g	% 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							168				24 hr.
1.	4.026 x	0.50	124	1	60	124	60	0			1 hr.
2.	4.026 x	0.50	104	0	70	104	70	0			1 hr.
3.	4.026 x	0.50	84	0	74	84	74	0			1 hr.
4.	4.026 x	0.50	65	0	81	65	81	0			1 hr.
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							11
2							0
3							0
4							0
5							0

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

P _c : 180.25	P _c ² : 32490	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.333$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.333$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		136.25	18564	13926
2		116.25	13514	18976
3		96.25	9264	23226
4		77.25	5967	26522
5				

Absolute Open Flow: 25		Mcf/d @ 15.025	Angle of Slope θ: 45	Slope, n: 1.0
Remarks: Due to low gas volumes and small liquid volumes, this well will not unload fluid. I believe this is the best test we can get in reason.				
Approved by Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:	