

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: 7-4-87							
Company: Amoco Production Company				Connection:							
Pool: Bravo Dome				Formation: Tubb							
Completion Date: 12-21-80		Total Depth: 2625		Plug Buck TD: 2595							
				Elevation: 4800							
Csg. Size: 5.5	Wt.: 14	d: 4.9	Set At: 2625	Perforations: From 2216 To 2438							
Tub. Size: 2.875	Wt.: 6.5	d: 2.441	Set At: 2165	Perforations: From To							
Type Well - Single - Blindhead - G.C. or G.O. Multiple: Single				Packer Set At: 2165							
Producing Thru: Tubing		Reservoir Temp. °F: 90		Mean Annual Temp. °F: 50							
				Baro. Press. - P _g : 12.25							
L	H	Cg	% CO ₂ : 100	% N ₂ : 0	% H ₂ S.: 0						
				Prover	Meter Run: 4.0						
				Taps: Flange							
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							312		0		24 hrs
1.	4.026 x	2.50	191	27	58	193	58	0			24 hrs
2.	4.026 x	2.50	203	21	59	205	59	0			24 hrs
3.	4.026 x	2.50	219	16	61	219	61	0			24 hrs
4.	4.026 x	2.50	232	11	60	233	60	0			24 hrs
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor FL	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1							2040				
2							1928				
3							1735				
4							1499				
5											
NO.	P ₁	Temp. °R	T ₁	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 _c 324.25 P _c ² 105,138											
NO.	F ₁ ²	P _w	P _w ²	P _c ² - P _w ²							
1		205.25	42,127	63,010							
2		217.25	47,197	57,940							
3		231.25	54,476	52,662							
4		245.25	60,148	44,990							
5											
Absolute Open Flow: 3097 Mcfd @ 15.025					Angle of Slope θ: 39.1986		Slope, n: 0.8155				
Remarks: Test was run from a low flowing tubing pressure to a high flowing tubing pressure to minimize liquid loading effects.											
Approved by Commission:		Conducted By: RANDY MAHANNAH		Calculated By: RICHARD ROETH		Checked By:					