

N MEXICO OIL CONSERVATION COMM ON
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: 3-24-75		APR 4 1975	
Company: David Fasken				Connection:		O. C. C.	
Pool: Atoka-Morrow				Formation: Morrow		Unit: ARTEBIA, OFFICE	
Completion Date: 3-10-75		Total Depth: 9100		Plug Back TD: 9055		Elevation: 3290 GL	
Farm or Lease Name: Bradshaw							
Csg. Size: 4 1/2	Wt. 11.6	d 4.000	Set At 9095	Perforations: From To		Well No. 1	
Tbg. Size: 2 7/8	Wt. 6.50	d 2.441	Set At 8599	Perforations: From 8790 To 8805		Unit Sec. Twp. Rge. 0 2 18S 26E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 8599		County: Eddy	
Producing Thru: Tubing		Reservoir Temp. °F: 153 @ 8798		Mean Annual Temp. °F:		Baro. Press. - P _a	
State: New Mexico							
L: 8798	H: 8798	G _g : 0.605	% CO ₂ :	% N ₂ :	% H ₂ S:	Prover: Pos. ck.	Meter Run: Taps:

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.	
SI	24 hrs.						2927		Pkr	
1.	2"	x	8/64"	2890		68	2890	68		
2.	2"	x	10/64"	2863		69	2863	69		1 hr.
3.	2"	x	13/64"	2767		70	2767	70		1 hr.
4.	2"	x	16/64"	2656		72	2656	72		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	0.2618		2903.2	0.9924	1.286	1.142	1107.7
2	0.4173		2876.2	0.9915	1.286	1.143	1749.2
3	0.7208		2780.2	0.9905	1.286	1.146	2925.3
4	1.1120		2669.2	0.9887	1.286	1.145	4321.1
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
1	4.31	528	1.47	0.767	A.P.I. Gravity of Liquid Hydrocarbons: Dry Gas Deg.
2	4.27	529	1.47	0.766	Specific Gravity Separator Gas: 0.605 XXXXXXXX
3	4.13	530	1.47	0.762	Specific Gravity Flowing Fluid: XXXXX
4	3.97	532	1.48	0.763	Critical Pressure: 673 P.S.I.A. P.S.I.A.
5					Critical Temperature: 360 R R

P _f 3663.2 P _f ² 13419					
NO.	P _i ²	P _s	P _s ²	P _f ² - P _s ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \text{_____}$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \text{_____}$
1		3618.2	13091	1328	
2		3580.2	12818	1601	
3		3478.2	12098	2321	
4		3357.2	11271	3148	

Absolute Open Flow: 18,500 Mcfd @ 15.025	Angle of Slope θ: 45°	Slope, n: 1.00000
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Remarks: BHP measured with Amerada RPG-3 gauge serial no. 31203 0-6000 psi

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: F. Tefteller	Checked By:
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