

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 7-3-73		JUL 18 1973	
Company Inexco Oil Company				Connection			
Pool Catclaw Draw				Formation Morrow B. C. D.		Unit O.G.C. ARTESIA, OFFICE	
Completion Date		Total Depth 10800		Plug Back TD 10759		Elevation 3310 GL	
Csg. Size 5 1/2		Wt. 17 & 20#		Set At 4.653		Perforations: From 10536 To 10724	
Tbg. Size 2 7/8		Wt. 6.5#		Set At 2.347		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual				Packer Set At 10454		Farm or Lease Name McMinn State	
Producing Thru Tubing		Reservoir Temp. °F 164 @ 10400		Mean Annual Temp. °F 70		Baro. Press. - P _a 13.2	
L 10630		H 10630		G _g 0.5828		% CO ₂ Mol 0.0079	
						% N ₂ Mol 0.0019	
						% H ₂ S 0	
						Prover Meter Run 4"	
						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	49 3/4 hrs						3086		Pkr.		
1.	4"	x	1.5"	580	2.25	101	2882	75	Pkr.		1 hr.
2.	4"	x	1.5"	580	4.00	92	2736	75	Pkr.		1 hr.
3.	4"	x	1.5"	580	6.25	89	2625	75	Pkr.		1 hr.
4.	4"	x	1.5"	580	8.41	87	2500	75	Pkr.		1 hr.
5.				580							

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.	10.84	7.7 x 1.5	592.9	0.9628	1.310	1.036	517.3
2.	10.84	7.7 x 2.0	592.9	0.9706	1.310	1.040	698.0
3.	10.84	7.7 x 2.5	592.9	0.9732	1.310	1.042	876.5
4.	10.84	7.7 x 2.9	592.9	0.9750	1.310	1.042	1018.6
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.	Used Simplified				Specific Gravity Separator Gas	0.583
3.	Supercompressibility				Specific Gravity Flowing Fluid	X X X X X
4.	Tables				Critical Pressure	672 P.S.I.A.
5.					Critical Temperature	350 °R

P _f 3927.2 P _f ² 15423			
NO.	P _f ²	P _s	P _s ² P _f ² - P _s ²
1.		3630.2	13178 2296
2.		3455.2	11938 3485
3.		3361.2	11298 4125
4.		3211.2	10312 5111
5.			

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

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

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

Absolute Open Flow	2600	Mcf/d @ 15.025	Angle of Slope @	49° 29'	Slope, n	0.85454
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Remarks: B.H.P. measured with Amerada RPG-3 gauge.

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