C-122

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUN 13 1973
O. C. C.
ARTESIA, OFFICE

Type Test: ☐ Initial ☐ Annual ☒ Special

Test Date: 6-7-73

Company: Inexco Oil Company		Connection: Southern Union Gas Co.		Unit:	
Pool: Catclaw Draw		Formation: Morrow			
Completion Date: 2-5-73	Total Depth: 11075	Plug Back TD: 10995	Elevation: 3462 KB	Farm or Lease Name: Boscowitz Comm	
Csg. Size: 4 1/2 / Wt.: 11.6 / d: 4.000 / Set At: 11075		Perforations: From 10804 To 10820		Well No.: 1	
Tbg. Size: 2 7/8 / Wt.: 6.5 / d: 2.441 / Set At: 10590		Perforations: From To		Unit: F / Sec.: 30 / Twp.: 21S / Rge.: 26E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 10590		County: Eddy	
Producing Thru: Tubing	Reservoir Temp. °F: 179 @ 10500	Mean Annual Temp. °F: 70	Baro. Press. – P_a: 13.2" Hg	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
10812	10812	0.626	0.75	0.59			X	

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							1797		Pkr.		72 hrs
1.	6"	x	1.750	672.4	1.69	89	1621	70			60 min.
2.	6"	x	1.750	672.4	4.0	91	1528	70			60 min.
3.	6"	x	1.750	672.4	7.29	94	1385	70			60 min.
4.	6"	x	1.750	624.1	15.21	94	1216	70			90 min.
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	14.61	8.2 x 1.3	672.4	0.9732	1.264	1.056	639.7
2.	14.61	8.2 x 2.0	672.4	0.9715	1.264	1.053	979.7
3.	14.61	8.2 x 2.7	672.4	0.9688	1.264	1.053	1318.9
4.	14.61	7.9 x 3.9	624.1	0.9688	1.264	1.051	1831.8
5.							

NO.	P_t	Temp. °R	T_f	Z
1.				
2.	Used Simplified			
3.	Supercompressibility Tables			
4.				
5.				

Gas Liquid Hydrocarbon Ratio: Dry Gas Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: Deg.
Specific Gravity Separator Gas: XXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX 0.626
Critical Pressure: P.S.I.A. 670 P.S.I.A.
Critical Temperature: R 368 R

P_f 2396.2 P_f^2 5742

NO	P_t^2	P_s	P_s^2	$P_f^2 - P_s^2$
1		2161.2	4671	1071
2		2042.2	4171	1571
3		1870.2	3498	2244
4		1668.2	2783	2959
5				

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

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

Absolute Open Flow: 3600 Mcfd @ 15.025 | Angle of Slope θ: 45° | Slope, n: 1.000

Remarks: BHP measured with Amerada RPG-3 gauge.

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