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C-122

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED
JUL 1 1975
O. C. C.
ARTESIA, OFFICE

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 6-25-75	
Company: Meadco Properties, Ltd.		Connection: El Paso Natural Gas Company			
Pool: Golden Lane		Formation: Morrow		Unit: H	
Completion Date: 6-25-75	Total Depth: 12,712	Plug Back TD: 12712	Elevation: 3459 gr.	Farm or Lease Name: Harris Bell	
Csg. Size: 4 1/2 / Wt.: / d:	Set At: 10,712	Perforations: From 12,323 To 12,689		Well No.: 1	
Tbg. Size: 2 3/8 / Wt.: 4.7 / d:	Set At: 12,200	Perforations: From Open To end		Unit: H / Sec.: 5 / Twp.: 21 / Rge.: 29	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 12,200		County: Eddy	
Producing Thru: Tbg.	Reservoir Temp. °F:	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 13.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
12,200	12,200	.632					4	Flg.

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						3280				72 hr.
1.	4	x 1.250	138	9.3	89	2743				1 hr.
2.	4	x 1.250	163	17.6	94	2227				1 hr.
3.	4	x 1.250	198	24.0	96	1378				1 hr.
4.	4	x 1.250	172	34.8	98	1162				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	7.469	37.50	151.2	.9732	1.258	1.012	347
2.	7.469	55.69	176.2	.9688	1.258	1.013	514
3.	7.469	71.20	211.1	.9671	1.258	1.016	657
4.	7.469	80.28	185.2	.9653	1.258	1.014	738
5.							

NO.	P_t	Temp. °R	T_f	Z
1	.23	549	1.49	.976
2.	.26	554	1.51	.974
3.	.32	556	1.51	.968
4.	.28	558	1.52	.972
5.				

Gas Liquid Hydrocarbon Ratio 22.788 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 54.2 @ 60 Deg.
Specific Gravity Separator Gas .632 xxxxxxxxx
Specific Gravity Flowing Fluid xxxxx G-mix = .760
Critical Pressure 670 P.S.I.A. 667 P.S.I.A.
Critical Temperature 368 R 411 R

P_c 3293.2 P_c^2 10,845.2

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		2756.8	7596.6	3248.6
2		2240.2	5018.5	5826.7
3		1391.0	1934.9	8910.3
4		1177.8	1387.2	9458.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.147$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.100$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = .811$

Revised 1-3-75

Absolute Open Flow 811 Mcfd @ 15.025 Angle of Slope θ 55.25 Slope, n .694

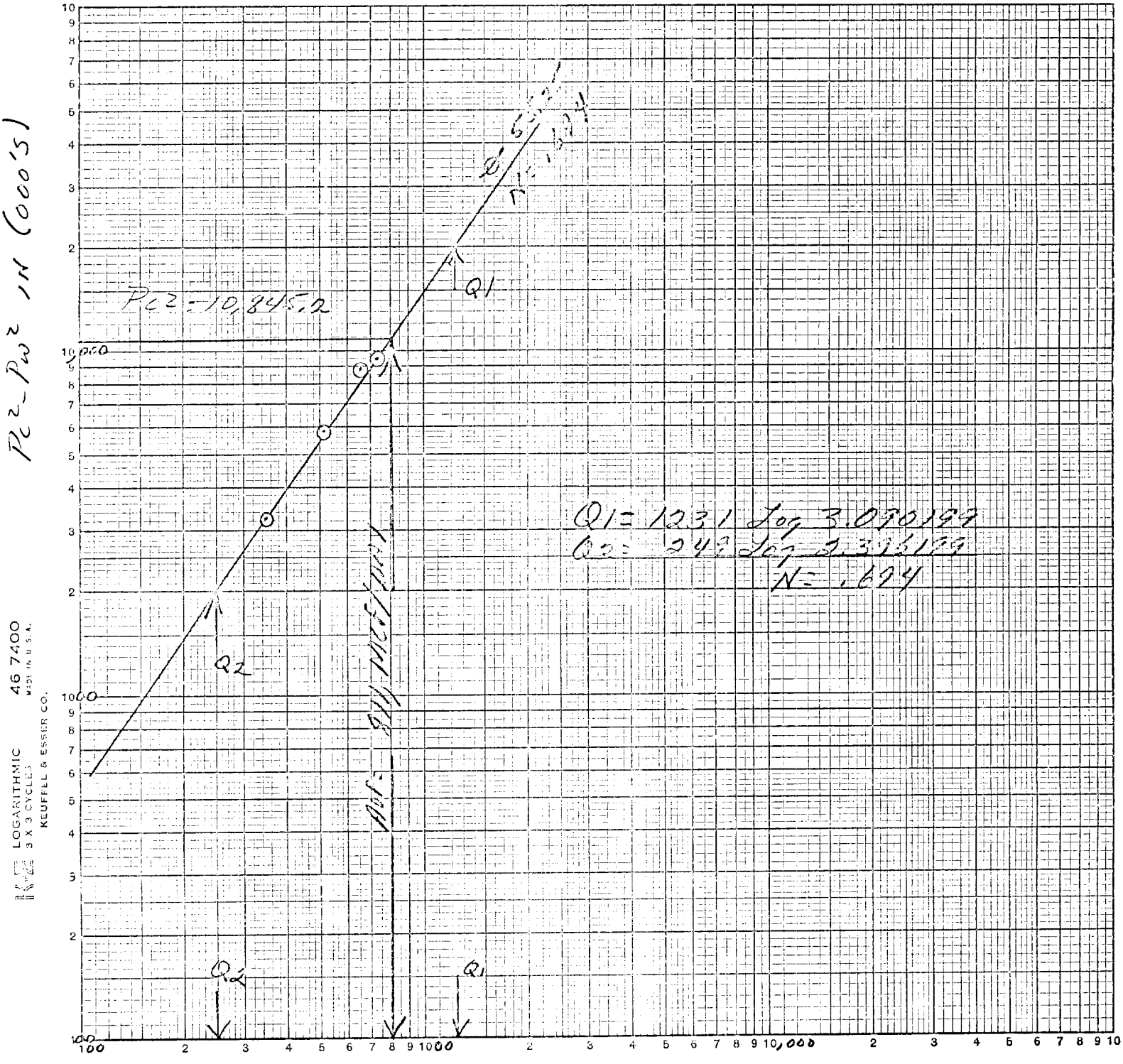
Remarks: Well made 4.125 bbls. condensate during test.

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Reggie Reston	Reggie Reston	

Harris Bell No. 1

Unit H, Sec. 5, Twp. 21, Rge. 29

Eddy, County N.M.



Absolute Open Flow = 811 Mcfd @ 15.025