

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 12-11-73		DEC 17 1973	
Company Meadco Properties Ltd.,				Connection El Paso				
Pool Golden Lane				Formation Strawn				
Completion Date 9-5-73		Total Depth 11571		Plug Back TD		Elevation 3455 Gr.		Farm or Lease Name Harris Bell
Csg. Size 4 1/2	Wt. 11.60	d	Set At 11571	Perforations: From 11237 To 249		Well No. 2		
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 11.185	Perforations: From Open To End		Unit	Sec.	Twp. Rge.
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,185		County Eddy		
Producing Thru Tubing		Reservoir Temp. °F 164 @ 11,144		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico
L 11244	H	Gg .660	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps Fig.

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							2373	58		
1.	4.026		.625			70	2246	60	Pkr.	
2.	"		.625			68	2200	64		2 hrs.
3.	"		.625			66	2153	64		1.25 hrs.
4.	"		1.00			60	1998	66		1.00 hr
5.										2.00 hr

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$ L-10	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	1.845	21.50	(3.162)	.9905	1.231	1.000	153
2.	"	36.12		.9924	"	"	257
3.	"	89.4		.9943	"	"	638
4.	4.753	60.2		1.000	"	"	1114
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ 9.3 _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 55.1 _____ Deg.
2.					Specific Gravity Separator Gas _____ .660 _____ XXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 2386.2 P _c ² 5694					(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 3.453$		(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 3.453$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		2259.5	5104	590				
2		2213.2	4898	796				
3		2166.2	4692	1002				
4		2011.2	4045	1649				
5								

Absolute Open Flow _____ 3.846 _____ Mcfd @ 15.025					Angle of Slope θ _____ 45 _____		Slope, n _____ 1.00 _____	
Remarks: _____ Produced 6.5 bbls. during test _____								
Approved By Commission			Conducted By: C. Allen Dorsey			Calculated By: C. Allen Dorsey		Checked By: