

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 3-13-73		MAR 21 1973	
Company Meadco Properties, Ltd.				Connection None				O. C. C. ARTESIA, OFFICE	
Pool Golden Lane				Formation Strawn				Unit	
Completion Date 3-13-73		Total Depth 12,712		Plug Back TD		Elevation 3459 GL		Farm or Lease Name Harris Bell	
Csg. Size 4 1/2	Wt. 11.60	d	Set At 12,712	Perforations: From 11,266 To 11,272			Well No. 1		
Tbg. Size 2 3/8	Wt. 4.7	d	Set At 11,246	Perforations: From Open To End			Unit H	Sec. Twp. Rge. 5 21 29	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 11,246			County Eddy		
Producing Thru Tbg.		Reservoir Temp. °F 165 @ 11,269		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L 11,269	H 11,269	G _g .660	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4"	Taps Flg.	

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							3500	74			96 hrs.
1.	4	x	2.250	670	2.50		3132	53			1 hr.
2.	4	x	2.250	670	6.50		3090	54			45 min.
3.	4	x	2.250	670	13.00		2895	53			1 hr.
4.	4	x	2.250	670	19.50		2710	54			1 hr.
5.											

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	25.64	41.33	683.2	.9943	1.231	1.075	1,394
2	25.64	66.64	683.2	.9905	1.231	1.070	2,229
3	25.64	94.24	683.2	.9943	1.231	1.075	3,179
4	25.64	115.42	683.2	1.0000	1.231	1.070	3,920
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 12,300 Mcf/bbl.
1.	1.02	526	1.39	.865	A.P.I. Gravity of Liquid Hydrocarbons 57.6 @ 60° Deg.
2.	1.02	530	1.40	.873	Specific Gravity Separator Gas .660 XXXXXXXXXX
3.	1.02	526	1.39	.865	Specific Gravity Flowing Fluid XXXXXX G-mix = .883
4.	1.02	520	1.38	.862	Critical Pressure 670 P.S.I.A. 663 P.S.I.A.
5.					Critical Temperature 378 °R 451 °R

P _c 3513.2	P _c ² 12342.6	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.206$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.206$
NO.	P _t ²	P _w	P _w ²
1		3272.8	10711.2
2		3139.5	9856.5
3		2978.6	8872.1
4		2914.2	8492.6
5			

Absolute Open Flow 12,567 Mcfd @ 15.025		Angle of Slope 45°	Slope, n 1.000
Remarks: Made 34.50 barrels condensate throughout test.			
Approved By Commission:	Conducted By: J. Roberts Reggie Reston	Calculated By: J. B. Murray R. Reston J.C. Roberts	Checked By: