

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

Form C-122
 Revised 9-1-65

RECEIVED

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-19-75		MAR 13 1975	
Company Meadco Properties, Ltd.,			Connection El Paso Natural Gas			O.C.C.	
Pool Golden Lane			Formation Strawn			Unit ARTESIA, OFFICE	
Completion Date		Total Depth 11,575		Plug Back TD 11,542		Elevation 3470 GL	
Farm or Lease Name Harris "6"		Well No.		Perforations: From 11,438 To 46		Unit Sec. Twp. Rye. I 6 21-S 29-E	
Csg. Size 4 1/2	Wt. 11.6	d	Set At 11,575	Perforations: From Open To End		County Eddy	
Thg. Size 2 3/8	Wt.	d	Set At 11,330	Packer Set At 11,330		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Baro. Press. - P _a 13.2		Meter Run X	
Producing Thru Tubing		Reservoir Temp. °F 182 @ 11,442		Mean Annual Temp. °F 60		Taps	
L 11,442	H	Gg .621	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run X

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							3707				
1.	3		1.250	540	7	60	3620	60	Pkr		90 min.
2.	"		"	550	25	60	3522	60	"		60 min.
3.	"		"	540	42	60	3460	60	"		60 min.
4.	"		"	570	77	32	3290	66	"		60 min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	7.577	62.2286	553.2	1.000	1.269	1.053	630
2.	"	118.6592	563.2	1.000	"	1.053	1201
3.	"	152.4283	553.2	1.000	"	1.053	1543
4.	"	211.9113	583.2	1.028	"	1.068	2237
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ 19.9 _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ 54 @ 60° _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = 13839$	(2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 7.792$
1		3633.2	13200	639		
2		3535.2	12498	1341		
3		3473.2	12063	1776		
4		3303.2	10911	2928		
5						

AOF = Q $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 9496$

Absolute Open Flow _____ 9496 _____ Mcfd @ 15.025	Angle of Slope @ _____ 48.5 _____	Slope, n _____ .885 _____
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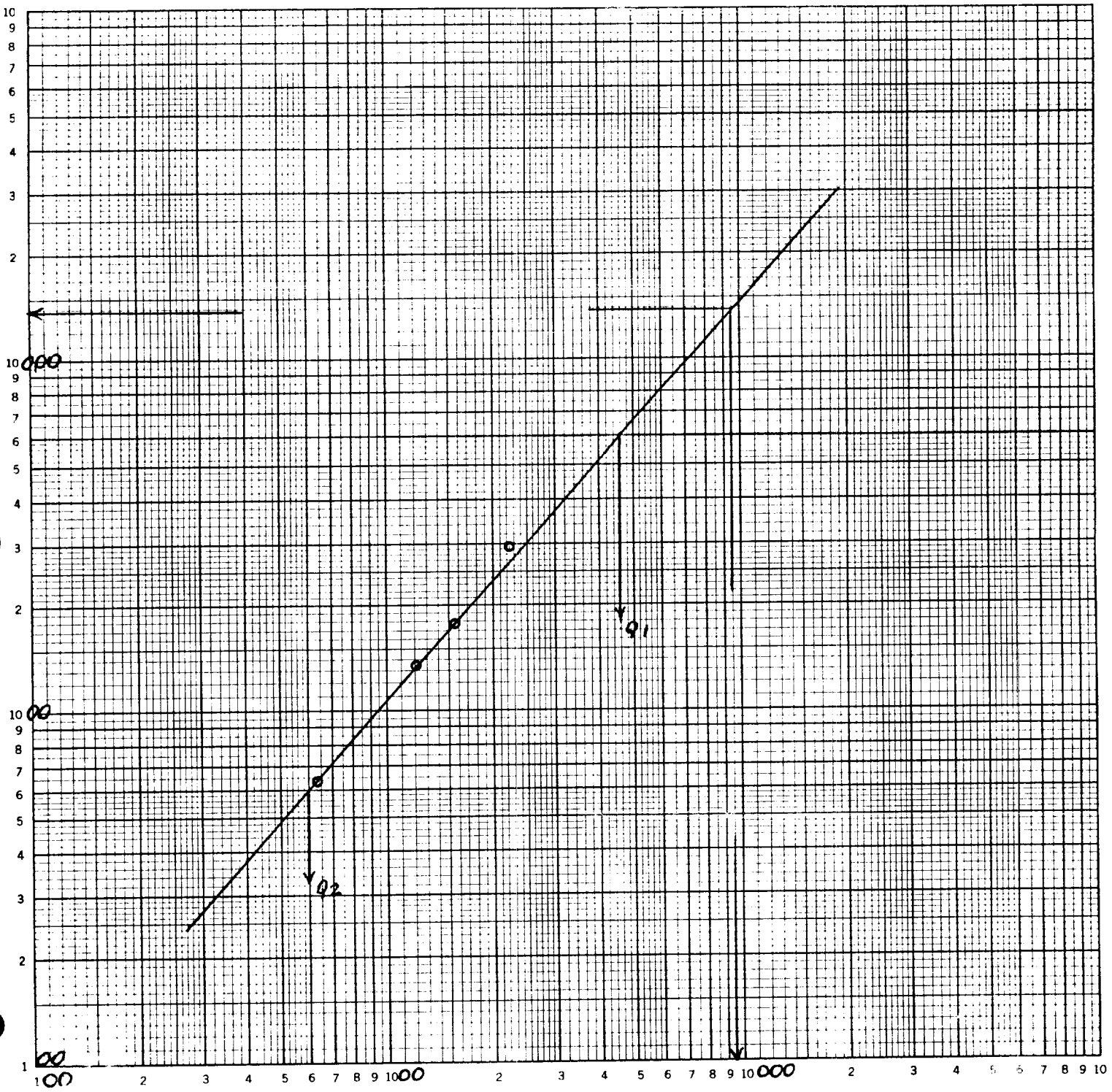
Remarks: _____

Approved By Commission:	Conducted By: C. Allen Dorsey	Calculated By: C. Allen Dorsey	Checked By:
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County Eddy Field Golden Lane
 Operator Leadco Properties Ltd.
 Lease Harris "6" Well No. 1
 Volume 9496 MCF/24 hr.
 Date 2-19-75

46 7400

K-E LOGARITHMIC 3 X 3 CYCLES
 KEUFFEL & ESSER CO. MADE IN U.S.A.



$Q_1 = 4600 \text{ MCF} \quad \text{Log } Q_1 = 3.66275$
 $Q_2 = 600 \text{ MCF} \quad \text{Log } Q_2 = 2.77815$

$n = 0.8846 = .885$