

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

Form C-122
 Revised 9-1-65

REM 5

CCW

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8-21-75	
Company CONTINENTAL OIL CO.		Connection E.P.N.G.	
Pool		Formation EUMONT	
Completion Date 5-12-75		Total Depth 3919	Plug Back TD
Csg. Size 5 1/2		Wt. 15.5	Set At 3919
Tbg. Size 2 3/8		Wt. 4.7	Set At 3908
Perforations: From 3812 To 3906		Perforations: From To	
Farm or Lease Name Meyer B-4		Well No. 29	
Unit P		Sec. 4	Twp. 21
Range 36		County Lea	
State N.M.		Packer Set At None	
Producing Thru TBG		Reservoir Temp. °F 13.2	Mean Annual Temp. °F 13.2
L 3908	H 3908	Gg .650 (assumed)	% CO ₂ % N ₂ % H ₂ S
Prover 4		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							385		410	SIP	72 Hr.
1.	4 x 1.500			79	14.4	80	305		407		1 Hr.
2.	4 x 1.500			81	27.0	80	316		406		1 Hr.
3.	4 x 1.500			83	45.6	77	329		401		1 Hr.
4.	4 x 1.500			86	67.2	73	320		398		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	10.84	12.49	92.2	.9813	1.240	NIL	165
2	10.84	17.11	94.2	.9813	1.240	NIL	226
3	10.84	22.23	96.2	.9840	1.240	NIL	294
4	10.84	26.99	99.2	.9877	1.240	NIL	357
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NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	.650 (assumed)
3.					Specific Gravity Flowing Fluid	X X X X X
4.			NIL		Critical Pressure	670 P.S.I.A.
5.					Critical Temperature	375 °R

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1	420.2	176.6	2.50	17.91	1.766	4.946
2	419.2	175.7	3.40			
3	414.2	171.6	7.50			
4	411.2	169.1	10.00			
5						

Absolute Open Flow **1.766** Mcfd @ 14.675 Angle of Slope **61.0** Slope, n **.554**

Remarks: **No fluid measured**

Approved By Commission: <i>[Signature]</i>	Conducted By: R. Reston	Calculated By: J. B. Murray	Checked By:
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