NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 5/23/79

Company: Continental Oil Company — Connection: None

Pool: West Lindrith — Formation: Gallup Dakota — Unit:

Completion Date: 4/6/79 — Total Depth: 7550 — Plug Back TD: 7542 — Elevation: 6951 — Farm or Lease Name: Jicarilla 30

Csg. Size	Wt.	d	Set At	Perforations	Well No.
5 1/2	15.5	4.950	7542	From 6290 7166 To 6534 7368	13

Tbg. Size	Wt.	d	Set At	Perforations	Unit	Sec.	Twp.	Rge.
2 3/8	4.7	1.995	7281	From To	D	31	25	4

Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single Oil — Packer Set At: None — County: Rio Arriba

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tbg	e	50°	12.2	N. Mex.

H_L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7281	7281	.690				2"		

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI	2	X	1 1/4				800	60°	1342	60°	
1.	2	X	1.250	70			130	60°	820	60°	24hr.
2.											
3.											
4.											
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	22.63		70	1.000	1.204		176
2.	well on intermitter						
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 3,183:1 Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons 46.2 Deg.

Specific Gravity Separator Gas ____ XXXXXXXXX

Specific Gravity Flowing Fluid XXXXX ____

Critical Pressure ____ P.S.I.A. ____ P.S.I.A.

Critical Temperature ____ R ____ R

P_c 1354 P_c^2 1833316

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		144	20830	1812486
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.011$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.008$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 177$

JUN 4 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow 177 Mcfd @ 15.025 — Angle of Slope θ ____ — Slope n .75

Remarks: ____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	D.L. Moore	D.L. Moore	