NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special — Test Date: 5/18/79

Company: Continental Oil Co. — Connection: None — Unit:

Pool: West Lindrith — Formation: Gallup - Dakota

Completion Date: 4/25/79 — Total Depth: 7840 — Plug Back TD: 7805 — Elevation: 7021 — Farm or Lease Name: Jicarilla "30"

Csg. Size: 5 1/2 — Wt.: 15.5 — d: 4.950 — Set At: 7805 — Perforations: From 6397 To 6567 — From 7416 To 7622 — Well No.: 12

Tbg. Size: 2 3/8 — Wt.: 4.7 — d: 1.995 — Set At: 7591 — Perforations: From open ended — Unit: H — Sec.: 30 — Twp.: 25N — Rge.: 4W

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

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

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7591	7591	.690					2 X 4	F/g

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI							700		1240		
1.	4	X	2	920		60°	140	60°	920	60°	24 hr.
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	19.81	21.5	140	1.000	1.204		215
2.							
3							
4.							
5.							

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

Gas Liquid Hydrocarbon Ratio: 3162 : 1 Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons: 48.2 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 1252 P_c^2 1567504

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		25.7	660	1566844
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0004$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0003$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 215$

RECEIVED
JUN 4 1979
OIL CON. COM.
DIST. 3

Absolute Open Flow: 215 Mcfd @ 15.025 — Angle of Slope θ: — Slope, n: .75

Remarks: well on intermitter 24 trips made 59 BO + 9 BW

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