

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 78

Form C122-A
 Revised 1-1-66

POOL NAME Gobernador P.O.	POOL SLOPE 0.85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
-------------------------------------	---------------------------	-------------------------------------	-----------------------------

COMPANY Continental Oil Company			WELL NAME AND NUMBER Conoco 29-4 No. 7		
UNIT LETTER E	SECTION 20	TOWNSHIP 29N	RANGE 4W	PURCHASING PIPELINE Northwest Pipeline Corp.	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.3660	SET AT DEPTH - FEET 3800'	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 3542'
GAS PAY ZONE FROM 3302 TO 3550		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .649	GRAVITY X LENGTH 2299
DATE OF FLOW TEST FROM 6-7-78 TO 6-15-78			DATE SHUT-IN PRESSURE MEASURED 9-26-77 (Original S.I.P.)		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)
682	323	323	303	20	0	303
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{100} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
323	323	1178	1178	1178	942	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
76	1.06600	1.03247	Q = 78 MCF/D

WORKING PRESSURE CALCULATION

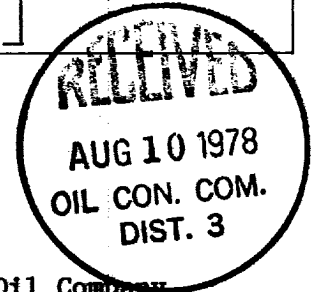
$(1 - e^{-5})$ 0.15393	$(F_c Q_m)^2 (1000)$ 3.68820	$R^2 = (1 - e^{-5}) (F_c Q_m)^2 (1000)$ 568 567.7406	P_t^2 104329	$P_w^2 = P_t^2 + R^2$ 104897	$P_w = \sqrt{P_w^2}$ 324
----------------------------------	--	--	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	78	$\left[\frac{500320}{1282787} \right]^n =$	0.3900	$=$	0.4492	$=$	35 MCF/D
--	----	---	--------	-----	--------	-----	----------

REMARKS:

Test was run during cleanup after completion.



SUMMARY

Item h 323 Psia
 P_c 1178 Psia
 Q 78 MCF/D
 P_w 324 Psia
 P_d 942 Psia
 D 35 MCF/D

Company Continental Oil Company
 By [Signature]
 Title Adm. Supr.
 Witnessed By _____
 Company _____