

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1976

Form C122-A
 Revised 1-1-66

POOL NAME Basin Dakota	POOL SLOPE n= 0.75	FORMATION Dakota	COUNTY San Juan
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COMPANY TEXACO, Inc.			WELL NAME AND NUMBER Navajo Allottees M #3		
UNIT LETTER D	SECTION 23	TOWNSHIP 25N	RANGE 11W	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.5625	CASING I.D. - INCHES 5.0085	SET AT DEPTH - FEET 6085	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5867
GAS PAY ZONE FROM 5905 TO 5932		WELL PRODUCING THRU CASING - TUBING yes		GAS GRAVITY 0.707	GRAVITY X LENGTH 4148 ✓
DATE OF FLOW TEST FROM 3-12-76 TO 3-20-76			DATE SHUT-IN PRESSURE MEASURED 3-27-76		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 422	(b) Flowing Tubing Pressure (DWt) 337	(c) Flowing Meter Pressure (DWt) 226	(d) Flow Chart Static Reading 230	(e) Meter Error (Item c - Item d) -4	(f) Friction Loss (a - c) or (b - c) 111 ✓	(g) Average Meter Pressure (Integr.) 227
(h) Corrected Meter Pressure (g + e) 223	(i) Avg. Wellhead Press. $P_t = (h + f)$ 334	(j) Shut-in Casing Pressure (DWt) 1230	(k) Shut-in Tubing Pressure (DWt) 1229	(l) $P_c =$ higher value of (j) or (k) 1230	(m) Del. Pressure $P_d = \frac{50}{615} \% P_c$ 615 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only -

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 656	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9826087	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.991266	Corrected Volume Q = 651 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.271	$(F_c Q_m)^2 (1000)$ 37345 34086	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 9237	P_t^2 111,556	$P_w^2 = P_t^2 + R^2$ 120,793	$P_w = \sqrt{P_w^2}$ 348 ✓
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{651}$$

$$\left[\frac{1230^2 - 615^2}{1230^2 - 120793} \right]^n = \frac{(.815077)^n}{.8578} = \underline{558} \text{ MCF/D}$$

REMARKS:



SUMMARY

Item h **223** Psia
 P_c **1230** Psia
 Q **651** MCF/D
 P_w **348** Psia
 P_d **615** Psia
 D **558** MCF/D

Company **TEXACO, Inc.**
 By **J. H. Pfeiffer**
 Title **Production Foreman**
 Witnessed By _____
 Company _____



NMOCC (3) GLE ARM JHP
4-27-76 WGW

18

1944-1945

1946-1947

1948-1949

1950-1951

1952-1953

1954-1955

1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967
1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967
1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967
1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967
1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967
1956-1957	1958-1959	1960-1961	1962-1963	1964-1965	1966-1967

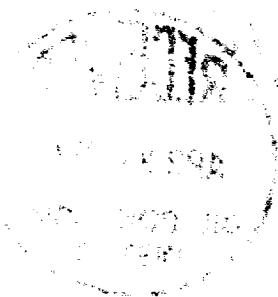
1968-1969 1970-1971 1972-1973 1974-1975 1976-1977 1978-1979

1980-1981 1982-1983 1984-1985 1986-1987 1988-1989 1990-1991

1992-1993 1994-1995 1996-1997 1998-1999 2000-2001 2002-2003

2004-2005 2006-2007 2008-2009 2010-2011 2012-2013 2014-2015

2016-2017 2018-2019 2020-2021 2022-2023 2024-2025 2026-2027



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