

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 T #2		
UNIT LETTER K	SECTION 14	TOWNSHIP 25N	RANGE 11W	PURCHASING PIPELINE ENRG	
CASING O.D. - INCHES 5.5625	CASING I.D. - INCHES 5.0085	SET AT DEPTH - FEET 6032	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5800
GAS PAY ZONE FROM 5875 TO 5899		WELL PRODUCING THRU CASING - TUBING yes		GAS GRAVITY 0.694	GRAVITY X LENGTH 4025
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)	(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.)
379	249	232	223	9	17	231
(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 $P_d = \frac{50}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
240	257	1316	1301	1316	658	-

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
527	1.0404	1.01998	Q = 538 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.254 0.265	$(F_c Q_m)^2 (1000)$ 25586 23185	$R^2 =$ $(1 - e^{-s}) (F_c Q_m)^2 (1000)$ 6144	P_t^2 66049	$P_w^2 = P_t^2 + R^2$ 72548 72193	$P_w = \sqrt{P_w^2}$ 269
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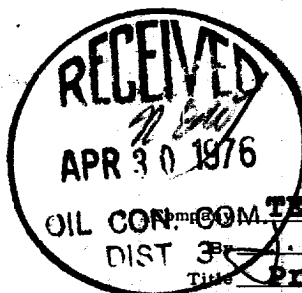
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	538	$\left[\frac{1316^2 - 658^2}{1316^2 - 269^2} \right]^n =$	.78262 78279	$=$	.83208 83221	$=$	448 MCF/D
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REMARKS:

SUMMARY

Item h **240** Psia
 P_c **1316** Psia
 Q **538** MCF/D
 P_w **269** Psia
 P_d **658** Psia
 D **448** MCF/D



OIL CON. COM. **TEXACO, Inc.**
 DIST. BY **J.H. Phipps**
 Title **Production Foreman**

Witnessed By _____

Company _____

EMOCC (3) GLE ARM JHP

4-27-76 NGW

1944-1945

1946-1947

1948-1949

1950-1951

1952-1953

1954-1955

1956-1957

1958-1959

1960-1961

1962-1963

1964-1965

1966-1967

1968-1969

1970-1971

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2010-2011

2012-2013

2014-2015

2016-2017

2018-2019

2020-2021

2022-2023

2024-2025

2026-2027

2028-2029

2030-2031

2032-2033

2034-2035

2036-2037

2038-2039

2040-2041

2042-2043

2044-2045

2046-2047



2048-2049

2050-2051