

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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75216

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Allison Unit NP No. 27 (DK)		
UNIT LETTER A	SECTION 30	TOWNSHIP 32	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.000	CASING I.D. - INCHES 3.428	SET AT DEPTH - FEET 8044	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 7934
GAS PAY ZONE FROM 7876 TO 7951		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .611	GRAVITY X LENGTH 4835
DATE OF FLOW TEST FROM 1-9-67 TO 1-17-67			DATE SHUT-IN PRESSURE MEASURED 11-4-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI) 490	(b) Flowing Tubing Pressure (DWI) 490	(c) Flowing Meter Pressure (DWI) 0000	(d) Flow Chart Static Reading 1987	(e) Meter Error (Item c - Item d) 1987 ✓	(f) Friction Loss (a - c) or (b - c) $P_d = \frac{50}{994} \% P_c$	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g + e) 490	(i) Avg. Wellhead Press. $P_t = (h + f)$ 490	(j) Shut-in Casing Pressure (DWI) 0000	(k) Shut-in Tubing Pressure (DWI) 1987	(l) P_c = higher value of (j) or (k) 1987 ✓	(m) Del. Pressure $P_d = \frac{50}{994} \% P_c$	(n) Separator or Dehydrator Pr. (DWI) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 192	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 192 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.296 ✓	$(F_c Q_m)^2 (1000)$ 9.992	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 2958	P_t^2 240100 ✓	$P_w^2 = P_t^2 + R^2$ 243058 ✓	$P_w = \sqrt{P_w^2}$ 493 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 192$	$\left[\frac{2960133}{3705111} \right]^n = .7989$	$\left[\frac{.7989}{.8450} \right]^n = .8450$	$= 162 \text{ MCF/D}$
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REMARKS:

First Delivered after OWWO 12/15/67.

SUMMARY

Item h 490 Psia
 P_c 1987 Psia
 Q 192 MCF/D
 P_w 493 Psia
 P_d 994 Psia
 D 162 MCF/D

Company El Paso Natural Gas Company
 By H. L. Kendrick H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____

NEW MEXICO OIL CONSERVATION COMMISSION
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Form C122-A
Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n= .75	FORMATION Mesa Verde	COUNTY San Juan
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75217

COMPANY THE NEW MEXICO OIL CONSERVATION COMMISSION	WELL NAME AND NUMBER BLANCO 75217
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Job separation sheet