

3-4100 ✓ 1-11-70 1-1-70 1-1-70

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-66

POOL NAME <u>1-1-70</u>	POOL SLOPE <u>n = .15</u>	FORMATION <u>1-1-70</u>	COUNTY <u>1-1-70</u>
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COMPANY <u>1-1-70</u>			WELL NAME AND NUMBER <u>1-1-70</u>		
UNIT LETTER <u>1-1-70</u>	SECTION <u>1-1-70</u>	TOWNSHIP <u>1-1-70</u>	RANGE <u>1-1-70</u>	PURCHASING PIPELINE <u>1-1-70</u>	
CASING O.D. - INCHES <u>1-1-70</u>	CASING I.D. - INCHES <u>1-1-70</u>	SET AT DEPTH - FEET <u>1-1-70</u>	TUBING O.D. - INCHES <u>1-1-70</u>	TUBING I.D. - INCHES <u>1-1-70</u>	TOP - TUBING PERF. - FEET <u>1-1-70</u>
GAS PAY EDGE FROM <u>1-1-70</u> TO <u>1-1-70</u>		WELL PRODUING THRU CASING <u>1-1-70</u> TUBING <u>X</u>		GAS GRAVITY <u>1-1-70</u>	GRAVITY & LENGTH <u>1-1-70</u>
DATE OF FLOW TEST FROM <u>1-1-70</u> TO <u>1-1-70</u>			DATE SHUT-IN PRESSURE MEASURED <u>1-1-70</u>		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) <u>570</u>	(b) Flowing Tubing Pressure (DWt) <u>202</u>	(c) Flowing Meter Pressure (DWt) <u>130</u>	(d) Flow Chart Static Reading <u>14/131</u>	(e) Meter Error (Item c - Item d) <u>-7</u>	(f) Friction Loss (a - c) or (b - c) <u>440</u>	(g) Average Meter Pressure (Integr.) <u>131</u>
(h) Corrected Meter Pressure (g + e) <u>124</u>	(i) Avg. Wellhead Press. $P_t = (h + f)$ <u>202</u>	(j) Shut-in Casing Pressure (DWt) <u>672</u>	(k) Shut-in Tubing Pressure (DWt) <u>652</u>	(l) P_c = higher value of (j) or (k) <u>672</u>	(m) Del. Pressure $P_d = \frac{80}{100} \% P_c$ <u>538</u>	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>34</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>94.89</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>9.74</u>	Corrected Volume Q = <u>33</u> MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ <u>.103</u>	$(F_c Q_m)^2 (1000)$ <u>660</u>	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ <u>68</u>	P_t^2 <u>40,800</u>	$P_w^2 = P_t^2 + R^2$ <u>40,872</u>	$P_w = \sqrt{P_w^2}$ <u>202</u>
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{33}{1} \left[\frac{160,140}{410,180} \right]^{.39487} = 15 \text{ MCF/D}$$

REMARKS:

First Delivered 12-6-70

SUMMARY

Item h 124 Psia
P_c 672 Psia
Q 33 MCF/D
P_w 202 Psia
P_d 538 Psia
D 15 MCF/D

ILLEGIBLE

Company 1-1-70
By 1-1-70
Title 1-1-70
Witnessed By 1-1-70
Company 1-1-70

