

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-66

POOL NAME Ballard	POOL SLOPE n= 85	FORMATION Picture Cliff	COUNTY Sandoval
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COMPANY Benjamin Elenbogen			WELL NAME AND NUMBER Jicarilla A-55 #7		
UNIT LETTER 0	SECTION 26	TOWNSHIP 23	RANGE 3	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4 1/2	CASING I.D. - INCHES	SET AT DEPTH - FEET 3112	TUBING O.D. - INCHES 1 1/2	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET 2953
GAS PAY ZONE FROM 3010 TO 3020		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .718	GRAVITY X LENGTH 2120
DATE OF FLOW TEST FROM 5-8 TO 5-16			DATE SHUT-IN PRESSURE MEASURED 2-5-69		

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.)
	178	175	175	0	3	169
(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 = 80 % P _c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
169	172		768	768	614	

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
301	1	1	Q = 301 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.143	$(F_c Q_m)^2 (1000)$ 54,917	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 7,853	P_c^2 29,584	$P_w^2 = P_c^2 + R^2$ 37,437 30,707	$P_w = \sqrt{P_w^2}$ 176-193
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 301$	$\left[\frac{212,828}{550,117} \right]^n = \left[\frac{3852}{2007} \right]^n = \frac{4445}{2462}$	$= 134$ MCF/D
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REMARKS:

SUMMARY

Item h 172 169 Psia
 P_c 768 Psia
 Q 301 MCF/D
 P_w 176 193 Psia
 P_d 614 Psia
 D 134 MCF/D

Company Benjamin Elenbogen

By GeoLectric, Inc.

Title Agent

Witnessed By _____

Company _____



OK