Init. Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1968

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
South Blanco	n = .85	Pictured Cliff	San Juan

75-806

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Bolack B No. 6		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
E	33	28	8	El Paso Natural Gas Co.	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
2.875	2.441	2316	No Tubing		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 2220 TO 2240		CASING X TUBING		.657	1459
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 9-1-68 TO 9-9-68			6-13-68		

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.)
				0	0	217
(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**
217	217	861	---	861	689	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of Item c / Item d	$\sqrt{\text{Item c / Item d}}$	Corrected Volume
274	1.0000	1.0000	Q = 274 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2$ (1000)	$R^2 = (1-e^{-s})(F_c Q_m)^2$(1000)	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.101	2313	234	47089	47323	218

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 274 \left[\left(\frac{266600}{626098}\right)^n = \left(.3861\right)^{.85}\right] = \left[\frac{4434}{.4439}\right] = 122 \text{ MCF/D}$$

REMARKS:

New Well - First Delivered 8-8-68

OK

SUMMARY

Item h	217	Psia
P_c	861	Psia
Q	274	MCF/D
P_w	218	Psia
P_d	689	Psia
D	122	MCF/D

Company EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company

RECEIVED
OCT 9 1968
OIL CON. COM.
DIST. 3