Initial Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
BASIN	n = .75	DAKOTA	RA

86-503

COMPANY			WELL NAME AND NUMBER		
EL PASO NATURAL GAS CO			SJ 29-6 UNIT #75		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
H	23	29	6	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
4.500	4.000	8109	2.375	1.995	8023
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 7987 TO 8068		CASING	TUBING X	0.584	4635
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 03/30/69 TO 04/07/69			04/19/68		

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	0	0	0	0	449
(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 = 50 %P_c**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
449	449	1324	1324	1324	662	

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
346	1.0000	1.0000	Q = 346 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.289	10,582	3058	201601	204659	452

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 346 \left[\left(\frac{1314732}{1548317}\right)^n = (0.8491)^n = 0.3845\right] = 306 \text{ MCF/D}$$

REMARKS: Installed Stopcock - Turned back on production 3-4-69

SUMMARY

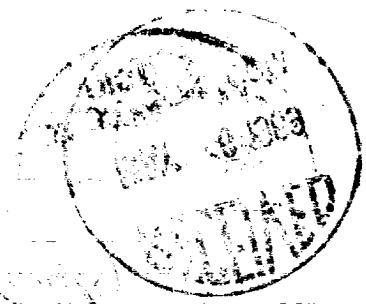
Item h	449	Psia
P_c	1324	Psia
Q	346	MCF/D
P_w	452	Psia
P_d	662	Psia
D	306	MCF/D

O/C

Company EL PASO NATURAL GAS CO
By D. E. McAnally
Title
Witnessed By
Company

RECEIVED
MAY 6 1969
OIL CON. COM.
DIST. 3

69/05/02 307 86-503



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