

Initial
Delivered: 65.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = .75	FORMATION MV	COUNTY SJ
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70-191

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SUNKAY E #1		
UNIT LETTER A	SECTION 9	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5833	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 57.3
GAS PAY ZONE FROM 4780 TO 5740		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.671	GRAVITY X LENGTH 384
DATE OF FLOW TEST FROM 12/28/67 TO 01/05/68			DATE SHUT-IN PRESSURE MEASURED 11/01/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 449
(h) Corrected Meter Pressure (g+e) 449	(i) Avg. Wellhead Press. P _i = (h+f) 449	(j) Shut-in Casing Pressure (DWt) 810	(k) Shut-in Tubing Pressure (DWt) 521	(l) P _e = higher value of (j) or (k) 810	(m) Del. Pressure P _d = $\frac{EJ}{\%P_c}$ 648	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 768	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 768 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-S})$.244	$(F_c Q_m)^2 (1000)$ 52.143	$R^2 = (1-e^{-S}) (F_c Q_m)^2 (1000)$ 12723	P_t^2 201601	$P_w^2 = P_t^2 + R^2$ 201601	$P_w = \sqrt{P_w^2}$ 449
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	768	$\left[\frac{236196}{441776} \right]^n =$	0.5346	$=$	0.6232	$=$	480 MCF/D
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REMARKS:

First Delivered after ONNO 11-27-67.

SUMMARY

Item h	449	Psia
P _c	810	Psia
Q	768	MCF/D
P _w	463	Psia
P _d	648	Psia
D	480	MCF/D

Company	EL PASO NATURAL GAS CO
By	
Title	
Witnessed By	
Company	



Initial
Delivery

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FORM

WELL NAME	WELL NO.	WELL TYPE	WELL STATUS
DATE OF TEST	TO	FROM	DATE SHUT-IN
TEST INTERVAL	TEST POINT	TEST DEPTH	TEST TEMPERATURE
TEST PRESSURE	TEST RATE	TEST VOLUME	TEST TIME
TEST RESULTS	TEST COMMENTS	TEST SIGNATURE	TEST DATE

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (FCP)	(b) Flowing Tubing Pressure (FTP)	(c) Flowing Meter Pressure (FMP)	(d) Flowing Meter Pressure (FMP)	(e) Flowing Meter Pressure (FMP)	(f) Flowing Meter Pressure (FMP)

FLOW RATE CORRECTION METER ERROR

Integrated Volume - MCFD	Quantity - cmb	$V_{corrected}$	$Q =$
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WORKING PRESSURE CALCULATION

$(1 - e^{-\alpha})$	$\frac{P_w - P_{wf}}{P_w - P_{wf}}$	$\frac{P_w - P_{wf}}{P_w - P_{wf}}$	$\frac{P_w - P_{wf}}{P_w - P_{wf}}$	$\frac{P_w - P_{wf}}{P_w - P_{wf}}$
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_w - P_{wf}}{P_w - P_{wf}} \right]$	$\left(\frac{P_w - P_{wf}}{P_w - P_{wf}} \right)$	$\left(\frac{P_w - P_{wf}}{P_w - P_{wf}} \right)$	$\left(\frac{P_w - P_{wf}}{P_w - P_{wf}} \right)$
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REMARKS:

First Delivered after OWO 11-21-67.

SUMMARY

Item	Value
FCP	
FTP	
FMP	
Q	
P _w	
P _{wf}	
P _h	
D	

