

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

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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75-905

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Huerfano Unit No. 182		
UNIT LETTER D	SECTION 28	TOWNSHIP 26	RANGE 9	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6775	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6457
GAS PAY ZONE FROM 6462 TO 6636		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .756	GRAVITY X LENGTH 4881
DATE OF FLOW TEST FROM 12-11-68 TO 12-19-68			DATE SHUT-IN PRESSURE MEASURED 8-21-68		

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	436
(h) Corrected Meter Pressure (g+c)	(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 $P_d = \frac{50}{929} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
436	436	1820	1858	1858	50 929	

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
438	1.0000	1.0000	Q = 438 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.299	16958	5070	190096	195166	442

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	438	$\left[\frac{2589123}{3256998} \right]^n =$	.7949	$=$	.8417	$=$	369 MCF/D
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REMARKS: **New Well First Delivered 11-20-68.**

SUMMARY

Item h **436** Psia
 P_c **1858** Psia
 Q **438** MCF/D
 P_w **442** Psia
 P_d **929** Psia
 D **369** MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____

OIL CON. COM.
 DIST. 3

