

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

75-832

COMPANY			WELL NAME AND NUMBER		
EL PASO NATURAL GAS CO			HUERFANO UNIT #175		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
0	14	26	10	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	4.052	6890	2.375	1.995	6601
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM	TO	CASING	TUBING	X	
6618	6822			0.699	4614
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM	TO				
09/07/68		09/15/68	06/06/68		

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	443
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. P _i = (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
443	443	1929	1960	1960	980	

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
819	1.0000	1.0000	Q = 819 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_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$
.285	59,290	16898	196249	213147	462

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	819	$\left[\frac{2881200}{3628453} \right]^n =$	$(0.7940)^n =$	0.8411	$= 689 \text{ MCF/D}$
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REMARKS:

New Well - First Delivered 8-15-68

SUMMARY

Item h	443	Psia
P _c	1960	Psia
Q	819	MCF/D
P _w	462	Psia
P _d	980	Psia
D	689	MCF/D

Company

EL PASO NATURAL GAS CO

By

[Signature]

Title

Witnessed By

Company

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