

RPT: 8761

WELL DELIVERABILITY TEST REPORT FOR 19 76

Form C122-A
Revised 1-1-68

POOL NAME SO BLANCO	POOL SLOPE n = .05	FORMATION PS	COUNTY BA
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COMPANY HOLLIN OIL CO.		WELL NAME AND NUMBER CANADIAN			
UNIT LETTER D	SECTION A	TOWNSHIP 15	RANGE 7	PURCHASING PIPELINE PL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.112	SET AT DEPTH - FEET 2000	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 2227
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY 0.805	GRAVITY X LENGTH 2417
FROM 2227	TO 2317	CASING	TUBING 2		
DATE OF FLOW TEST FROM 04/07/76 TO 04/11/76			DATE SHUT-IN PRESSURE MEASURED 04/23/76		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI) 92	(b) Flowing Tubing Pressure (DWI) 87	(c) Flowing Meter Pressure (DWI) 17	(d) Flow Chart Static Reading 7	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 87
(h) Corrected Meter Pressure (g+e) 90	(i) Avg. Wellhead Press. $P_t = (h+f)$ 90	(j) Shut-in Casing Pressure (DWI) 2227	(k) Shut-in Tubing Pressure (DWI) 2227	(l) P_c = higher value of (j) or (k) 2227	(m) Del. Pressure $P_d = 80\%$ 102	(n) Separator or Dehydrator Pr. (DWI) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 76	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 76 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.098	$(F_c Q_m)^2 (1000)$ 613	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 56	P_t^2 8100	$P_w^2 = P_t^2 + R^2$ USE P_t^2	$P_w = \sqrt{P_w^2}$ 90
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DELIVERABILITY CALCULATION

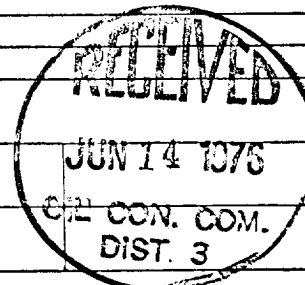
$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{76}{\left(\frac{10000 - 42425}{10000 - 42425} \right)^n} = \left(\frac{10000}{42425} \right)^n = 0.4020 = 27 \text{ MCF/D}$$

REMARKS:

SUMMARY

Item h 90 Psia
 P_c 2227 Psia
 Q 76 MCF/D
 P_w 90 Psia
 P_d 102 Psia
 D 27 MCF/D

Company HOLLIN OIL CO.
 By M. P. Crum
 Title
 Witnessed By
 Company



05/24/76

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