

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1968

Form C122-A
Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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COMPANY Jerome P. McHugh			WELL NAME AND NUMBER Moore #1		
UNIT LETTER A	SECTION 7	TOWNSHIP 30 N	RANGE 8 W	PURCHASING PIPELINE EPNG Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7373'	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 7290'
GAS PAY ZONE FROM 7158' TO 7336'		WELL PRODUCING THRU CASING _____ TUBING X		GAS GRAVITY .684	GRAVITY X LENGTH 4986
DATE OF FLOW TEST FROM 10/2/68 TO 10/10/68			DATE SHUT-IN PRESSURE MEASURED 6/25/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 530	(b) Flowing Tubing Pressure (DWt) 466	(c) Flowing Meter Pressure (DWt) 465	(d) Flow Chart Static Reading $\frac{6.8}{462}$	(e) Meter Error (Item c - Item d) + 3	(f) Friction Loss (a - c) or (b - c) + 1	(g) Average Meter Pressure (Integr.) 463
(h) Corrected Meter Pressure (g + e) 466	(i) Avg. Wellhead Press. $P_t = (h + f)$ 467	(j) Shut-in Casing Pressure (DWt) 2419	(k) Shut-in Tubing Pressure (DWt) 2419	(l) P_c = higher value of (j) or (k) 2419	(m) Del. Pressure $P_d = 50$ % P_c 1210	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 317	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0064	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0032	Corrected Volume Q = 318 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.304	$(F_c Q_m)^2 (1000)$ 61,296	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 18,634	P_t^2 218,089	$P_w^2 = P_t^2 + R^2$ 236,723	$P_w = \sqrt{P_w^2}$ 487
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 318	$\left[\frac{4,377,461}{5,614,838} \right]^n =$.7796	$\left[\frac{4,377,461}{5,614,838} \right]^n =$.7814	$\left[\frac{4,377,461}{5,614,838} \right]^n =$.75	$\left[\frac{4,377,461}{5,614,838} \right]^n =$.8297	$\left[\frac{4,377,461}{5,614,838} \right]^n =$ 264 MCF/D
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REMARKS:

SUMMARY

Item h	466	Psia
P_c	2419	Psia
Q	318	MCF/D
P_w	487	Psia
P_d	1210	Psia
D	264	MCF/D

Company	Jerome P. McHugh
By	J. A. Dugan (JFD)
Title	Agent
Witnessed By	
Company	



