

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

Form C122-A
Revised 1-1-66

POOL NAME Basin Dakota	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY Jerome P. McHugh			WELL NAME AND NUMBER Jicarilla "A" #6		
UNIT LETTER M	SECTION 17	TOWNSHIP 26N	RANGE 3W	PURCHASING PIPELINE EPNG Co.	
CASING O.D. - INCHES 5 1/2"	CASING I.D. - INCHES	SET AT DEPTH - FEET 8233'	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 8150'
GAS PAY ZONE FROM 3002' TO 8184'		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .678	GRAVITY X LENGTH 5526'
DATE OF FLOW TEST FROM 12/11/69 TO 12/19/69			DATE SHUT-IN PRESSURE MEASURED 10/18/69		

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.)
752	454	450	$\frac{6.7}{449}$	+ 1	+ 4	484
(h) Corrected Meter Pressure (g + e)	(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 $P_d = \frac{50}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
485	489	XXXX 2677	2491	2677	1338	

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
573	1.0022	1.0011	Q = 574 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.331	199,710	66,104	239,121	305,225	552

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	574	$\left[\frac{5,376,085}{6,861,104} \right]^n$	$(.7836)^n$	$.75$	$.8327$	478 MCF/D
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REMARKS:

SUMMARY

Item h **485** Psia
 P_c **2677** Psia
 Q **574** MCF/D
 P_w **552** Psia
 P_d **1338** Psia
 D **478** MCF/D

Company **Jerome P. McHugh**
 By **John L. Jamb**
 Title **Agent**
 Witnessed By _____
 Company _____



