

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 SAN JUAN
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COMPANY BETA DEVELOPMENT CO.			WELL NAME AND NUMBER FOGELSON 26 #1		
UNIT LETTER P	SECTION 26	TOWNSHIP 30 North	RANGE 11 West	PURCHASING PIPELINE EPNG Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6990	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6867
GAS PAY ZONE FROM 6706 TO 6934		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .698	GRAVITY X LENGTH 4793
DATE OF FLOW TEST FROM 3-5-69 TO 3-13-69			DATE SHUT-IN PRESSURE MEASURED 1967 Annual S.I. Used		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 710	(b) Flowing Tubing Pressure (DWt) 423	(c) Flowing Meter Pressure (DWt) 419	(d) Flow Chart Static Reading 419	(e) Meter Error (Item c - Item d) -0-	(f) Friction Loss (a - c) or (b - c) 4	(g) Average Meter Pressure (Integr.) 417
(h) Corrected Meter Pressure (g + e) 417	(i) Avg. Wellhead Press. $P_t = (h + f)$ 421	(j) Shut-in Casing Pressure (DWt) 1038	(k) Shut-in Tubing Pressure (DWt) 1037	(l) P_c = higher value of (j) or (k) 1038	(m) Del. Pressure $P_d = \frac{50}{519} \% P_c$ 519	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 235	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 235 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.294	$(F_c Q_m)^2 (1000)$ 4880	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 1435	P_t^2 177,241	$P_w^2 = P_t^2 + R^2$ 178,676	$P_w = \sqrt{P_w^2}$ 423
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DELIVERABILITY CALCULATION

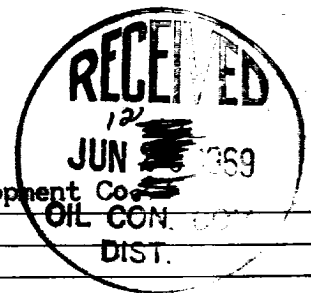
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 235$	$\left[\frac{808,083}{898,768} \right]^n = .8991$	$.8991^n = .9329$	$235 \times .9329 = 219$ MCF/D
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REMARKS:

SUMMARY

Item h 417 Psia
 P_c 1038 Psia
 Q 235 MCF/D
 P_w 423 Psia
 P_d 519 Psia
 D 219 MCF/D

Company Beta Development Co.
 By J.C. Dean
 Title _____
 Witnessed By _____
 Company _____



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