

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 HOLLOWAY "B" FEDERAL #4		
UNIT LETTER I	SECTION 6	TOWNSHIP 26 North	RANGE 11 West	PURCHASING PIPELINE EPNG Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6254	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 6148
GAS PAY ZONE FROM 6140 TO 6154		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .698	GRAVITY X LENGTH 4291
DATE OF FLOW TEST FROM 3-12-69 TO 3-20-69			DATE SHUT-IN PRESSURE MEASURED 1968 Annual S.I. Used - Tbg. only		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) -0-	(b) Flowing Tubing Pressure (DWt) 415	(c) Flowing Meter Pressure (DWt) 404	(d) Flow Chart Static Reading 404	(e) Meter Error (Item c - Item d) -0-	(f) Friction Loss (a - c) or (b - c) 11	(g) Average Meter Pressure (Integr.) 404
(h) Corrected Meter Pressure (g + e) 404	(i) Avg. Wellhead Press. $P_t = (h + f)$ 425	(j) Shut-in Casing Pressure (DWt) -0-	(k) Shut-in Tubing Pressure (DWt) 1350	(l) P_c = higher value of (j) or (k) 1350	(m) Del. Pressure $P_d = \frac{50}{675} \% P_t$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 969	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 969 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.268	$(F_c Q_m)^2 (1000)$ 254,402	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 68,180	P_t^2 180,625	$P_w^2 = P_t^2 + R^2$ 248,805	$P_w = \sqrt{P_w^2}$ 499
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	969	$\left[\frac{1,366,875}{1,573,695} \right]^n$	$(.8685)^n$	$.8996$	$= 872$ MCF/D
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REMARKS:

SUMMARY

Item h 404 Psia
 P_c 1350 Psia
 Q 969 MCF/D
 P_w 499 Psia
 P_d 675 Psia
 D 872 MCF/D

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

