

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form CI22-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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70-927

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Delhi Com No. 1		
UNIT LETTER K	SECTION 16	TOWNSHIP 30	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 4934	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4730
GAS PAY ZONE FROM 4220 TO 4756		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .655	GRAVITY X LENGTH 3098
DATE OF FLOW TEST FROM 3-21-67 TO 3-29-67			DATE SHUT-IN PRESSURE MEASURED 2-8-67		

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.) 563
(h) Corrected Meter Pressure (g + e) 563	(i) Avg. Wellhead Press. $P_t = (h + f)$ 563	(j) Shut-in Casing Pressure (DWt) 783	(k) Shut-in Tubing Pressure (DWt) 553	(l) P_c = higher value of (j) or (k) 783	(m) Del. Pressure $P_d = \frac{80}{626} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 548	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 548 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.202	$(F_c Q_m)^2 (1000)$ 26548	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 5362	P_t^2 316969	$P_w^2 = P_t^2 + R^2$ 322331	$P_w = \sqrt{P_w^2}$ 568
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	548	$\left[\frac{221213}{290758} \right]^n =$	$\frac{.7608}{.8149} =$	447 MCF/D
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REMARKS:

First Delivered After OWWO 2-24-67

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SUMMARY

Item h 563 Psia
 P_c 783 Psia
 Q 548 MCF/D
 P_w 568 Psia
 P_d 626 Psia
 D 447 MCF/D

Company El Paso Natural Gas Company
 By H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By [Signature]
 Company [Signature]

