

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

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

72459

COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER Hancock No. 3 (MV)		
UNIT LETTER M	SECTION 22	TOWNSHIP 28	RANGE 9	PURCHASING PIPELINE EL PASO NATURAL GAS COMPANY	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5774	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5646
GAS PAY ZONE FROM 5274 TO 5707		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .713	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 9-20-66 TO 9-28-66			DATE SHUT-IN PRESSURE MEASURED 8-15-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 491	(b) Flowing Tubing Pressure (DWt) 491	(c) Flowing Meter Pressure (DWt) 419	(d) Flow Chart Static Reading 662	(e) Meter Error (Item c - Item d) 662	(f) Friction Loss (a - c) or (b - c) 80 530 %P _c	(g) Average Meter Pressure (Integr.) 491
(h) Corrected Meter Pressure (g + e) 491	(i) Avg. Wellhead Press. P _t = (h + f) 491	(j) Shut-in Casing Pressure (DWt) 419	(k) Shut-in Tubing Pressure (DWt) 662	(l) P _c = higher value of (j) or (k) 662	(m) Del. Pressure P _d = 80 / 530 %P _c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 70	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 70 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
		FRICTION NEGLIGIBLE			USE P_t

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	70	$\left[\frac{157344}{197163} \right]^n =$	.7980	$=$	.8443	$=$	59 MCF/D
--	-----------	--	--------------	-----	--------------	-----	-----------------

REMARKS:

First Delivery after OWWO 8-30-66

SUMMARY

Item h 491 Psia
 P_c 662 Psia
 Q 70 MCF/D
 P_w 491 Psia
 P_d 530 Psia
 D 59 MCF/D

Company EL PASO NATURAL GAS COMPANY
 By H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____



1871

1872

1873

1874

1875

(1876-1877)

1878-1879

1880-1881

1882-1883

1884-1885

1886

1887-1888

1889

1890-1891

1892

1893

1894

1895

1896

1897

1898

1899

1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

1911

1912

1913

1914

1915-1916

1917-1918

1919-1920

1921-1922

1923-1924

1925-1926

1927-1928

1929