

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 72

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
---------------------------	------------------------------	----------------------------	---------------------------

COMPANY Odessa Natural			WELL NAME AND NUMBER Burroughs State #2		
UNIT LETTER H	SECTION 36	TOWNSHIP 26	RANGE 11	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6431	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6295
GAS PAY ZONE FROM 6194 TO 6314		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .719	GRAVITY X LENGTH 4526
DATE OF FLOW TEST FROM 8-8-72 TO 8-16-72			DATE SHUT-IN PRESSURE MEASURED 3-2-72		

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.) 253
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$ 253	(j) Shut-in Casing Pressure (DWt) 1764	(k) Shut-in Tubing Pressure (DWt) 1772	(l) P_c = higher value of (j) or (k) 1772	(m) Del. Pressure $P_d =$ 50 % P_c 886	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1449	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 1449 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 253
----------------	----------------------	---	---------	-----------------------	------------------------------------

DELIVERABILITY CALCULATION

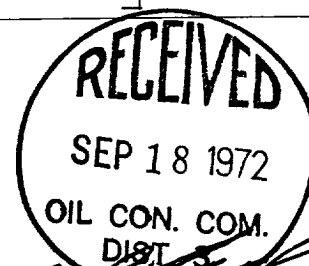
$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1449}{\left[\frac{2,354,988}{3,075,975} \right]^n} = \frac{1449}{(.7656)^n} = \frac{1449}{.8185} = 1186 \text{ MCF/D}$$

REMARKS:

SUMMARY

Item h **1772** Psia
 P_c **1449** Psia
 Q **1449** MCF/D
 P_w **253** Psia
 P_d **886** Psia
 D **1186** MCF/D

Company _____
 By _____
 Title _____
 Witnessed By **Jack D. Cook**
 Company **Engineering & Production Service, Inc.**



10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41

10-10-41