

3NMOCCV 1-McNugle 1-EPNG 1-FL

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-66

POOL NAME <u>South Blanco</u>	POOL SLOPE <u>n = .85</u>	FORMATION <u>Pictured Cliffs</u>	COUNTY <u>SAN JUAN</u>
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COMPANY <u>Jerome P. McNugle</u>			WELL NAME AND NUMBER <u>OXNARD #1</u>		
UNIT LETTER <u>A</u>	SECTION <u>11</u>	TOWNSHIP <u>27 N</u>	RANGE <u>8 W</u>	PURCHASING PIPELINE <u>EL Paso Nat. Gas Co.</u>	
CASING O.D. - INCHES <u>4.500</u>	CASING I.D. - INCHES <u>4.040</u>	SET AT DEPTH - FEET <u>3074</u>	TUBING O.D. - INCHES <u>1.660</u>	TUBING I.D. - INCHES <u>1.310</u>	TOP - TUBING PERF. - FEET <u>2770</u>
GAS PAY ZONE FROM <u>2970</u> TO <u>3012</u>		WELL PRODUCING THRU CASING TUBING <u>X</u>		GAS GRAVITY <u>701</u>	GRAVITY X LENGTH <u>2082</u>
DATE OF FLOW TEST FROM <u>12-24-70</u> TO <u>1-1-71</u>			DATE SHUT-IN PRESSURE MEASURED <u>7-2-70</u>		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) <u>242</u>	(b) Flowing Tubing Pressure (DWt) <u>152</u>	(c) Flowing Meter Pressure (DWt) <u>152</u>	(d) Flow Chart Static Reading <u>5.5</u> <u>151</u>	(e) Meter Error (Item c - Item d) <u>+1</u>	(f) Friction Loss (a - c) or (b - c) <u>0</u>	(g) Average Meter Pressure (Integr.) <u>148</u>
(h) Corrected Meter Pressure (g + e) <u>149</u>	(i) Avg. Wellhead Press. $P_t = (h + f)$ <u>149</u>	(j) Shut-in Casing Pressure (DWt) <u>729</u>	(k) Shut-in Tubing Pressure (DWt) <u>729</u>	(l) P_c = higher value of (j) or (k) <u>729</u>	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ <u>583</u>	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>68</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.0066</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0033</u>	Corrected Volume $Q =$ <u>68</u> MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-R})$ <u>140</u>	$(F_c Q_m)^2 (1000)$ <u>2803</u>	$R^2 = (1 - e^{-R}) (F_c Q_m)^2 (1000)$ <u>392</u>	P_t^2 <u>22201</u>	$P_w^2 = P_t^2 + R^2$ <u>22593</u>	$P_w = \sqrt{P_w^2}$ <u>150</u>
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ <u>68</u>	$\left[\frac{191,552}{508,848} \right]^{.85} = .4358$	$=$ <u>30</u> MCF/D
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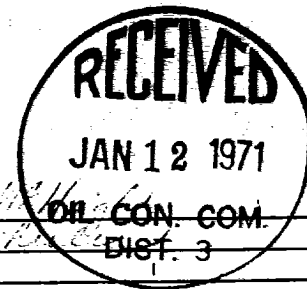
REMARKS:

First Delivered 12-8-70

SUMMARY

Item h 149 Psia
 P_c 729 Psia
 Q 68 MCF/D
 P_w 150 Psia
 P_d 583 Psia
 D 30 MCF/D

Company Jerome P. McNugle
 By Therese McNugle
 Title Agent
 Witnessed By _____
 Company _____



ILLEGIBLE