NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 78

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n= .75	Mesa Verde	Rio Arriba

86990

COMPANY			WELL NAME AND NUMBER		
Mobil Oil Corp.			Jicarilla G #5A		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
D	25	27	3	Northwest Pipeline Corp.	
CASING O.D. – INCHES	CASING I.D – INCHES	SET AT DEPTH – FEET	TUBING O.D – INCHES	TUBING I.D. – INCHES	TOP – TUBING PERF. – FEET
4.500	4.052	6250	2.375	1.995	5953
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5678 TO 6160		CASING	TUBING XX	.699	~~4154~~ 4161
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM May 22 TO May 30			December 13, 1977		

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.)
						302
(h) Corrected Meter Pressure (g + e)	**(i) Avg. Wellhead Press. P_t = (h + f)**	**(j) Shut-in Casing Pressure (DWt)**	**(k) Shut-in Tubing Pressure (DWt)**	**(l) P_c = higher value of (j) or (k)**	**(m) Del. Pressure**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
302	302	1186	1185	1186	P_d = 80 / 949 %P_c	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume – MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
348	1.0000	1.0000	Q = 348 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.261	10705	2794	91204	93998	307

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 348 \left[\left(\frac{505995}{1312598}\right)^n \left(.3855\right)^n = .4892\right] = 170 \text{ MCF/D}$$

REMARKS:

Initial test. 1st delivered 4/4/78.

RECEIVED
JUN 20 1978
OIL CON. COM.
DIST. 3

OK

SUMMARY

Item h	302	Psia
P_c	1186	Psia
Q	348	MCF/D
P_w	307	Psia
P_d	949	Psia
D	170	MCF/D

Company Mobil Oil Corp.
By K. R. Critchfield
Title Meter Tender
Witnessed By
Company

BJB/rn

NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19_____

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
	n=		

COMPANY			WELL NAME AND NUMBER		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
CASING O.D. – INCHES	CASING I.D. – INCHES	SET AT DEPTH – FEET	TUBING O.D. – INCHES	TUBING I.D. – INCHES	TOP – TUBING PERF. – FEET
GAS PAY ZONE FROM TO		WELL PRODUCING THRU CASING TUBING		GAS GRAVITY	GRAVITY X LENGTH
DATE OF FLOW TEST FROM TO			DATE SHUT-IN PRESSURE MEASURED		

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

FLOW RATE CORRECTION (METER ERROR)

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

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = \_\_\_\_\_ \left[\left(\_\_\_\_\_\right)^n \left(\_\_\_\_\_\right)^n = \_\_\_\_\_ = \_\_\_\_\_\right] = \_\_\_\_\_ \text{ MCF/D}$$

REMARKS:

SUMMARY

Item h _____ Psia
P_c _____ Psia
Q _____ MCF/D
P_w _____ Psia
P_d _____ Psia
D _____ MCF/D

Company _____
By _____
Title _____
Witnessed By _____
Company _____