

NEW MEXICO OIL CONSERVATION COMMISSION

INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 70Form C122-A
Revised 1-1-66

POOL NAME Basin Dakota	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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COMPANY Jerome P. McHugh			WELL NAME AND NUMBER Oneda #1		
UNIT LETTER C	SECTION 8	TOWNSHIP 26N	RANGE 11W	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4 1/2	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6255'	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 6150'
GAS PAY ZONE FROM 6158' TO 6178'		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .711	GRAVITY X LENGTH 4373' ✓
DATE OF FLOW TEST FROM 2/20/71 TO 2/28/71			DATE SHUT-IN PRESSURE MEASURED 8/27/70		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 390	(b) Flowing Tubing Pressure (DWt) 74	(c) Flowing Meter Pressure (DWt) 68	(d) Flow Chart Static Reading 8.3 69	(e) Meter Error (Item c - Item d) - 1 ✓	(f) Friction Loss (a - c) or (b - c) + 6 ✓	(g) Average Meter Pressure (Integr.) 67
(h) Corrected Meter Pressure (g + e) 66 ✓	(i) Avg. Wellhead Press. $P_t = (h + f)$ 72 ✓	(j) Shut-in Casing Pressure (DWt) 732	(k) Shut-in Tubing Pressure (DWt) 732	(l) P_c = higher value of (j) or (k) 732 ✓	(m) Del. Pressure $P_d = \frac{50}{100} P_c$ 366 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only ---

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 615	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9855 ✓	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9927 ✓	Corrected Volume Q = 611 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.272 ✓	$(F_c Q_m)^2 (1000)$ 226,286 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 61,550 ✓	P_t^2 5184 ✓	$P_w^2 = P_t^2 + R^2$ 66,734 ✓	$P_w = \sqrt{P_w^2}$ 258 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	611 ✓	$\left[\frac{401,868}{469,090} \right]^n$	$(.8567)^n$	$\frac{.75}{.8905}$	544 ✓ MCF/D
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REMARKS:

Well first delivered 1/26/71 *OK*

SUMMARY

Item h	66 ✓	Psia
P_c	732 ✓	Psia
Q	611 ✓	MCF/D
P_w	258 ✓	Psia
P_d	366 ✓	Psia
D	544 ✓	MCF/D

Company

Jerome P. McHugh

By

Jim Jacobs

Title

Agent

Witnessed By

Company

