

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-66

POOL NAME Basin Dakota	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
----------------------------------	------------------------------	----------------------------	-----------------------------

COMPANY Skelly Oil Co.			WELL NAME AND NUMBER Jicarilla "C" # 26		
UNIT LETTER I	SECTION 21	TOWNSHIP 25N	RANGE 5W	PURCHASING PIPELINE Skelly Compressor to El Paso	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7315	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7005
GAS PAY ZONE FROM 7161 TO 7225		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .700	GRAVITY X LENGTH 4904
DATE OF FLOW TEST FROM 6-19-69 TO 6-26-69			DATE SHUT-IN PRESSURE MEASURED 7-8-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) Packer	(b) Flowing Tubing Pressure (DWt) 52	(c) Flowing Meter Pressure (DWt) 50	(d) Flow Chart Static Reading 50	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a - c) or (b - c) 2	(g) Average Meter Pressure (Integr.) 50
(h) Corrected Meter Pressure (g + e) 50	(i) Avg. Wellhead Press. $P_t = (h + f)$ 52	(j) Shut-in Casing Pressure (DWt) Packer	(k) Shut-in Tubing Pressure (DWt) 1092	(l) P_c = higher value of (j) or (k) 1092	(m) Del. Pressure $P_d = \frac{50}{\%P_c}$ 546	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 180	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 180 MCF/D
---	---	--	--

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.300	$(F_c Q_m)^2 (1000)$ 2860	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 858	P_t^2 2704	$P_w^2 = P_t^2 + R^2$ 3562	$P_w = \sqrt{P_w^2}$ 60
-------------------------------	-------------------------------------	---	------------------------	--------------------------------------	-----------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 180	$\left[\frac{894,348}{1,188,902} \right]^n =$.7522	$\left[\frac{894,348}{1,188,902} \right]^n =$.8077	$=$ 145 MCF/D
--	--	--	-------------------------

REMARKS:

SUMMARY

Item h **50** Psia
 P_c **1092** Psia
 Q **180** MCF/D
 P_w **60** Psia
 P_d **546** Psia
 D **145** MCF/D

Company **Skelly Oil Co.**
 By **R.P. Hergenreter**
 Title **Engr. Tech.**
 Witnessed By **N. E. Maxwell Jr.**
 Company **Skelly Oil Co.**



1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

1000 02

11-62-18-I

1000 02

1000 02