F. Loc. 1500/N; 1650/E Elev. 6794 DF Spd. 6/3/53 Comp. 9/1/53 TD 5930 PB

Casing Sz 13-3/8 @ 218 W 250 Sx. Int. @ W Sx. Pr. 7 @ 5314 W 300 Sx. T. @

Csg. Perf.

Prod. Stim. Shot 1560 qts 5376-5908

I.P. 4640 MCF/D After 3 Hrs. Sic. P. 1051 PSI After 19 Days GOR Grav. 1st Del. 12/29/56 11/8/54 Trans PKW EP

TOPS		NITD	X	Well Log	X
Kirtland		C-102		Plat	X
Fruitland	3420	C-103		Electric Log	
Pictured Cliffs	3649	C-104	X	C-110	X
Cliff House	5298		X		X
Menefee	5444				
Point Lookout	5776				
Mancos					
Tocito					
Dakota					
Morrison					
Entrada					

Remarks

Formerly J.F.Hickman #1,
operator Skelly Oil Co

TEST DATA						
Schd.	PC	Q	PW	PD	D	All.
	*					
9/1/53	1069	14	64	57	735	#1976

Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct | Nov. | Dec.

Po Blanco MV Co. Rio Arriba S 17 T 28N R 6W U G Oper. EPNG Lse. SJU 28-6 No. 1

Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool BLANCO Formation MESAVERDE County RIO ARRIBA

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed March 14, 1957

Operator El Paso Natural Gas Company Lease San Juan 28-6 Well No. 1-17

Unit G Sec. 17 Twp. 28N Rge. 6W Pay Zone: From 5376 To 5908

Casing: OD 7" WT. _____ Set At 5314 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 5883

Produced Through: Casing _____ Tubing xx Gas Gravity: Measured .698 Estimated _____

Date of Flow Test: From 2-18-57 To 2-26-57 * Date S.I.P. Measured 9-1-53

Meter Run Size 2" Orifice Size _____ Type Chart _____ Type Taps _____

OBSERVED DATA

Flowing casing pressure (Dwt)	_____ psig + 12 =	_____	psia	(a)
Flowing tubing pressure (Dwt)	_____ psig + 12 =	_____	psia	(b)
Flowing meter pressure (Dwt)	_____ psig + 12 =	_____	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:				
Normal chart reading	_____ psig + 12 =	_____	psia	(d)
Square root chart reading (_____)^2 x spring constant	_____ =	_____	psia	(d)
Meter error (c) - (d) or (d) - (c)	± =	_____	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing	=	_____	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	595 psig + 12 =	607	psia	(g)
Square root chart average reading (_____)^2 x sp. const.	=	_____	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	_____	psia	(h)
P_t = (h) + (f)	=	607	psia	(i)
Wellhead casing shut-in pressure (Dwt)	1057 psig + 12 =	1069	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	1057 psig + 12 =	1069	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1069	psia	(l)
Flowing Temp. (Meter Run)	59 °F + 460 =	519	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	534	psia	(n)

FLOW RATE CALCULATION

$$Q = 674 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 674 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 674 \left[\frac{857605}{763305} \right]^{n} \quad (1.1235)^{.75} = 1.0905 = 735 \text{ MCF/da.}$$

SUMMARY

P_c = 1069 psia
Q = 674 Mcf/day
P_w = 616 psia
P_d = 534 psia
D = 735 Mcf/day

Company Pacific Northwest Pipeline Corp.
By Original signed by G. H. Peppin
Title District Proration Engineer
Witnessed by _____
Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4106	0.258	40.16	10.36	368.4	378.8	616

3-N.M.O.C.C.-Aztec
1-El Paso Natural Gas (Galloway)
1-L. G. Truby
2-File

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