

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

Pool S. BLAND Formation P C County A
Purchasing Pipeline EPNG Date Test Filed 9-11-64

Operator BELIN OIL CO. Lease CARRARO Well No. 4
Unit M Sec. 3 Twp. 26N Rge. 7W Pay Zone: From 2208 To 2361
Casing: OD 54 WT. _____ Set At 2208 Tubing: OD 27/8 WT. _____ T. Perf. 2361
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .620 Estimated _____
Date of Flow Test: From 6-22-64 To 6-27-64 * Date S.I.P. Measured 7-7-64
Meter Run Size _____ Orifice Size .750 Type Chart 5A Type Taps FLANGE

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 _____	psig + 12 = _____	psia	(g)
Square root chart average reading (<u>6.60</u>) ² x sp. const. <u>3</u> _____	= _____	psia	(g)
Corrected seven day avge. meter press. (p _f) (g) + (e) _____	= _____	psia	(h)
P _t = (h) + (f) _____	= _____	psia	(i)
Wellhead casing shut-in pressure (Dwt) _____	<u>102</u> psig + 12 = _____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) _____	<u>103</u> psig + 12 = _____	psia	(k)
P _C = (j) or (k) whichever well flowed through _____	= _____	psia	(l)
Flowing Temp. (Meter Run) _____ °F + 460 _____	= _____	° Abs	(m)
P _d = ½ P _C = ½ (l) _____	= _____	psia	(n)

$$Q = \text{_____} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{_____} = \text{_____}} \right)^* = \text{_____ MCF/day}$$

(integrated)

$$D = Q \frac{224}{\left[\begin{array}{l} P_c^2 - P_d^2 = 62,001 \\ P_c^2 - P_w^2 = 124,701 \end{array} \right]^n} \frac{.4972 \cdot .5522}{1} = 124 \text{ MCF/da.}$$

$P_c =$ 415 psia
 $Q =$ 224 Mcf/day
 $P_w =$ 210 psia
 $P_d =$ 135 psia
 $D =$ 120 Mcf/day

Company BOLIN OIL COMPANY
By _____
Title AGENT
Witnessed by _____
Company _____

RECEIVED
SEP 11 1964
CON. COM.
DIST. 3

GL	$(1-e^{-S})$	$(F_C Q)^2$	$(F_C Q)^2 (1-e^{-S})$ R^2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1.00	.102	1.546	INDIVISIBLE			

