

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

Operator The Ohio Oil Company Lease Hearilla Apache Well No. 8
Unit P Sec. 27 Twp. 26N Rge. 5W Pay Zone: From 3046 To 3171
Casing: OD 7" WT. 284 Set At 3078 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 3136-3138
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .605 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 1/5/56
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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>7.25</u>) ² x sp. const. <u>5</u> _____	= <u>283</u>	psia	(g)
Corrected seven day avge. meter press. (p _f) (g) + (e) _____	= <u>283</u>	psia	(h)
P _t = (h) + (f) _____	= <u>283</u>	psia	(i)
Wellhead casing shut-in pressure (Dwt) <u>975</u> _____	psig + 12 = <u>987</u>	psia	(j)
Wellhead tubing shut-in pressure (Dwt) <u>975</u> _____	psig + 12 = <u>987</u>	psia	(k)
P _C = (j) or (k) whichever well flowed through _____	= <u>987</u>	psia	(l)
Flowing Temp. (Meter Run) <u>59</u> _____ °F + 460	= <u>519</u>	°Abs	(m)
P _d = 1/2 P _C = 1/2 (l) _____	= <u>494</u>	psia	(n)

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

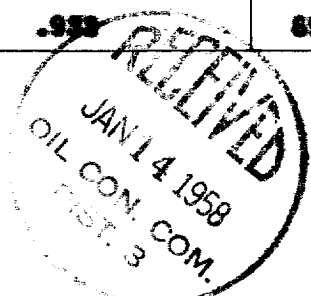
(integrated)

$$D = Q \cdot \begin{bmatrix} P_c^2 - P_d^2 \\ P_c^2 - P_w^2 \end{bmatrix}^n = 368 \times .834 = 307.0 \text{ MCF/da.}$$

Company The Ohio Oil Company
By W. A. Dor
Title Production Foreman
Witnessed by _____
Company _____

* Meter error correction factor

GL	$(1-e^{-S})$	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$ R2	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2181	0.147	6.35	0.93	69.109	70.102	265



1. 100.00

2. 100.00

3. 100.00

4. 100.00

5. 100.00

6. 100.00

7. 100.00

8. 100.00

9. 100.00

10. 100.00

11. 100.00

12. 100.00

13. 100.00

14. 100.00

15. 100.00

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