

OPEN FLOW TEST DATA

Date: 2-28-64
 Operator: Shaw Alan Oil Co. Lease: Diak Hunt Rod. # 1
 Location: S1/4 12-30N-14W County: San Juan State: N. M.
 Formation: Dakota Pool: Basin Dakota
 Casing: 4 1/2 " Set @ 5420 Tubing: 2 3/8 " Set @ 6300
 Pay Zone: 6264-6266 To: 6292-6302 Total Depth: 6420
 Choke Size: 350 Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X
 Shut-in Pressure Casing: 2062 psig / 12 = 2074 psia (Shut-in 2 days)
 Shut-in Pressure Tubing: 2062 psig / 12 = 2074 psia
 Flowing Pressure: P_f : 296 psig / 12 = 296 psia
 Working Pressure: P_w : 742 psig / 12 = 756 psia
 Temperature: T : 40 °F / 460 = 500 °Absolute
 F_{pv} (from tables) : 1.032 Gravity Est. .630 n 75

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_p \times F_{pv}$$

$$12.365 \times 296 \times 1.0198 \times .9759 \times 1.032^{pv} = \underline{\underline{3759}} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \frac{P_c^2 - P_w^2}{4.301,426} = 1.1546 = 1.1128$$

$$Aof = \underline{\underline{4,187}} \text{ MCF/D}$$



Tested By: _____

Witnessed By: _____

Geolectric, Inc.

March 17, 1964

Company: Shar-Allan Oil Company
Well: Dick Hunt Federal No. 1
Location: Section 12, T30N, R14W,
San Juan County, New Mexico

SUBJECT: Tabulation of all deviation tests run:

<u>Feet</u>	<u>Deviation Tests</u>	<u>Degrees</u>
512		1/4
1003		1/4
1514		1/4
1840		1/4
2200		1/4
2460		1/2
2900		3/4
3185		3/4
3680		
4371		3/4
4813		3/4
5230		
5770		
6200		3/4
6420		

I hereby swear (or affirm) that the statements made are a full and correct report.

F. J. Ray
F. J. Ray, President

STATE OF NEW MEXICO)
)
COUNTY OF SAN JUAN)

The foregoing instrument, was acknowledged before me this 18th day of March, 1964, by F. J. Ray, President of Rayco Drilling Company.

Witness my hand and official seal.
My Commission Expires:

May 17, 1967

Alma Mitchell
Notary Public



