

B. & R. SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS COMPANY

WELL SANJACINTO #3

FIELD

COUNTY SAN JUAN

STATE

SEC. C-20

TWP. 29N

RGE. 10E

APPROX. TOP CEMENT 720'

Survey Begins at 0 Ft. Ends at 1996' Ft.

Approx. Fill-Up Max. Temp. 114°@1900'

Log Measured From G.L. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
27" from	to 2013'	6 3/4" from	to
from	to	from	to

Date of Cementing JULY 16, 1967 Time 9:00 A.M.

Date of Survey JULY 16, 1967 Time 9:00 P.M.

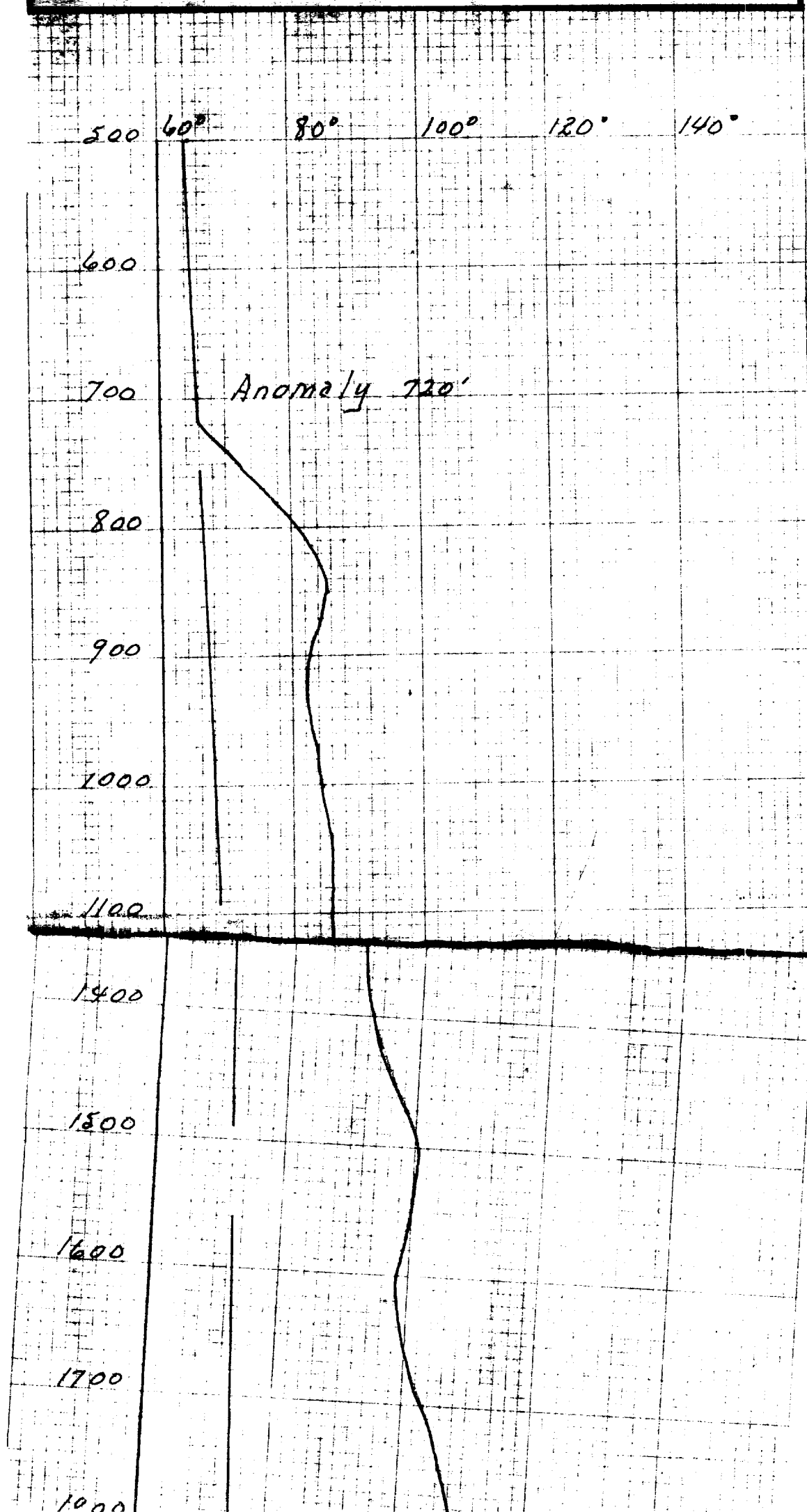
Amount of Cement 125 SACKS CLASS C Type

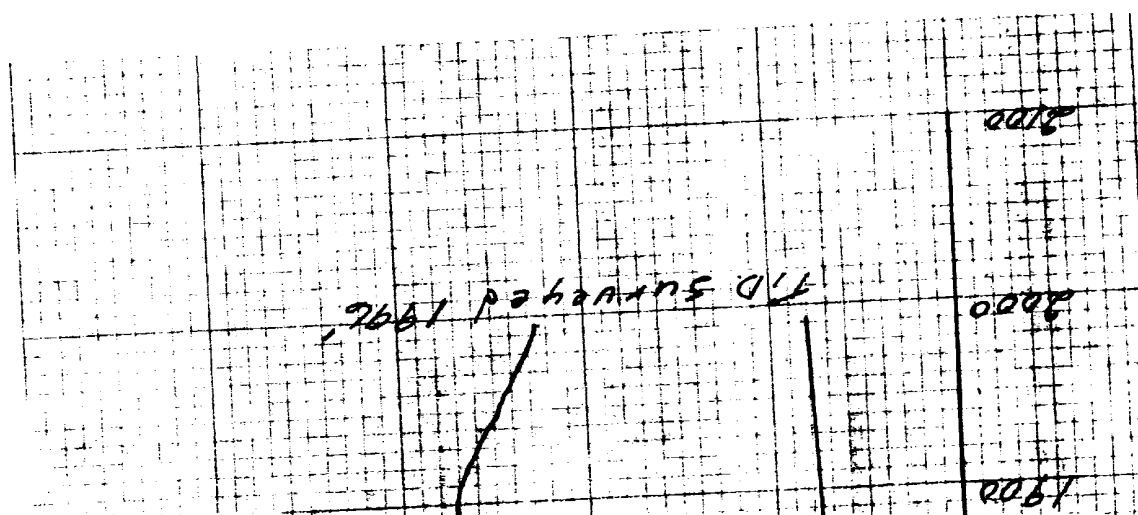
Amount of Admix 50 SKS. NEAT '8% GEL. Type

Recorded by KING Witnessed by

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT





EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 10, 1967

Operator El Paso Natural Gas Company		Lease San Jacinto No. 8	
Location 1020'N, 1000'W, Sec. 20, T-29-N, R-10-W		County San Juan	State New Mexico
Formation Picture Cliff		Pool Antec	
Casing: Diameter 8.000	Set At: Feet 2024	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 100	To 1936	Total Depth: 2024	Shut In 6-9-67
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 430	PSIG	+ 12 = PSIA 450	Days Shut-In 7	Shut-In Pressure, Tubing No tubing	PSIG
Flowing Pressure: P 158	PSIG	+ 12 = PSIA 158		Working Pressure: Pw Calc.	PSIG
Temperature: T = 68 °F		n = .85		Fpv (From Tables) 1.014	Gravity .650
	Ft = .9924				Fg = .9608

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(158)(.9924)(.9608)(1.014) = 1889 \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{202500}{167904} \right)^n = (1889)(1.2060)^{.85} = (1889)(1.1728)$$

NOTE: The well unloaded a large slug of water 3 minutes after test started and then it blew a heavy spray for the remainder of the test.

$$Aof = 2215 \text{ MCF/D}$$

TESTED BY D. R. Roberts

CALCULATED BY H. E. McAnally

CHECKED BY T. B. Grant

H. L. Kendrick
H. L. Kendrick