

B. & R.  
SERVICE COMPANY

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS PRODUCTS COMPANY

WELL HORSESHOE CANYON # 9 FIELD

COUNTY SAN JUAN STATE NEW MEXICO

SEC 2 TWP 30 RGE 16

APPROX. TOP CEMENT 750'

Survey Begins at 500 Ft. Ends at 1544 Ft.

Approx. Fill-Up OVER 100% Max. Temp. 88° @ 1544'

Log Measured From RCTARY TABLE Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
5½" from 0 to 1600'	7⅞" from to		
from to	from to		

Date of Cementing APRIL 26, 1958 Time 7:00 P.M.

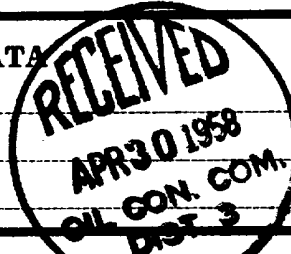
Date of Survey APRIL 27, 1958 Time 7:00 A.M.

Amount of Cement 100 SACKS Type 50-50 PCZ MIX

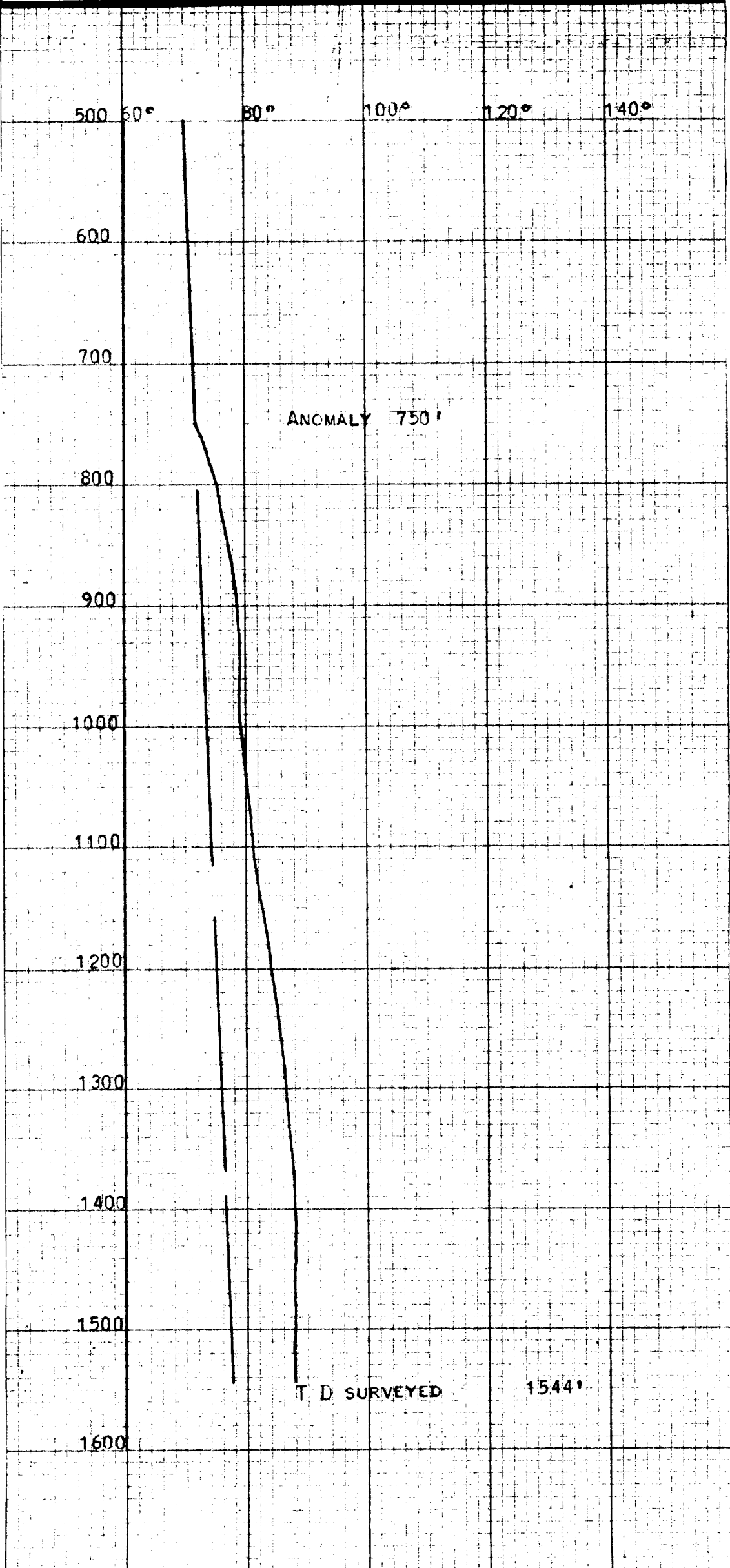
Amount of Admix Type

Recorded by SONNY WILSON Witnessed by COPELAND

REMARKS OR OTHER DATA



TEMPERATURE IN DEGREES FAHRENHEIT



X			

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **SF**  
Lease No. **001226**  
Unit **Horseshoe Canyon**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Sandoz</b>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 20, 1958

Well No. **9** is located **2210** ft. from **N** line and **1040** ft. from **W** line of sec. **3**

**SE NW/4 Section 3** **30-N** **16-W** **NMPM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**Horseshoe Canyon-Gallup** **San Juan** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5267** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

5-19-58 Total Depth 1607'. Clean Out Total Depth 1564'.

Sandoll fractured Lower-Gallup perforated intervals 1518'-1542' (2 sh./ft.) with 16,140 gallons oil and 16,000# sand. Breakdown pressure 1425#, maximum treating pressure 325#, average treating pressure 775#. Injection rate 54.7 bbis./min. Flush 1554 gallons.

5-19-58 Total Depth 1607'. Temporary Bridge Plug at 1480'.

Sandoll fractured Upper-Gallup perforated intervals 1400'-1440' (2 sh./ft.) with 16,140 gallons oil and 16,000# sand. Breakdown pressure 930#, maximum treating pressure 750#, average treating pressure 650#. Injection rate 48.1 bbis./min. Flush 1344 gallons.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1545**  
**Farmington, New Mexico**

ORIGINAL SIGNED BY: JOSEPH E. KRIEGER  
By

Title **Petroleum Engineer**