

FORM 432-2

WILSON

SERVICE COMPANY

TEMPERATURE SURVEY

COMPANY..... Amoco Production
WELL..... 13-R LEASE..... Jicarilla Contract 146
COUNTY..... Rio Arriba STATE..... New Mexico
SEC..... 9 TWP..... 25N RGE..... 5 W

APPROX. TOP CEMENT..... 300'

Survey Begins at..... 100' Ft. Ends at..... 4393' Ft.
Approx. Fill-Up..... Max. Temp.....
Log Measured From..... KB Run No..... 1

Casing Size	Casing Depth	Diam of Hole	Depth
4 1/2" from..... to.....	from..... to.....	from..... to.....	from..... to.....
from..... to.....	from..... to.....	from..... to.....	from..... to.....

Date of Cementing..... 10/5/84 Time..... 8:00 PM
Date of Survey..... 10/6/84 Time..... 12:00 Noon
Amount of Cement..... 865 Sks 65/35 Poz.

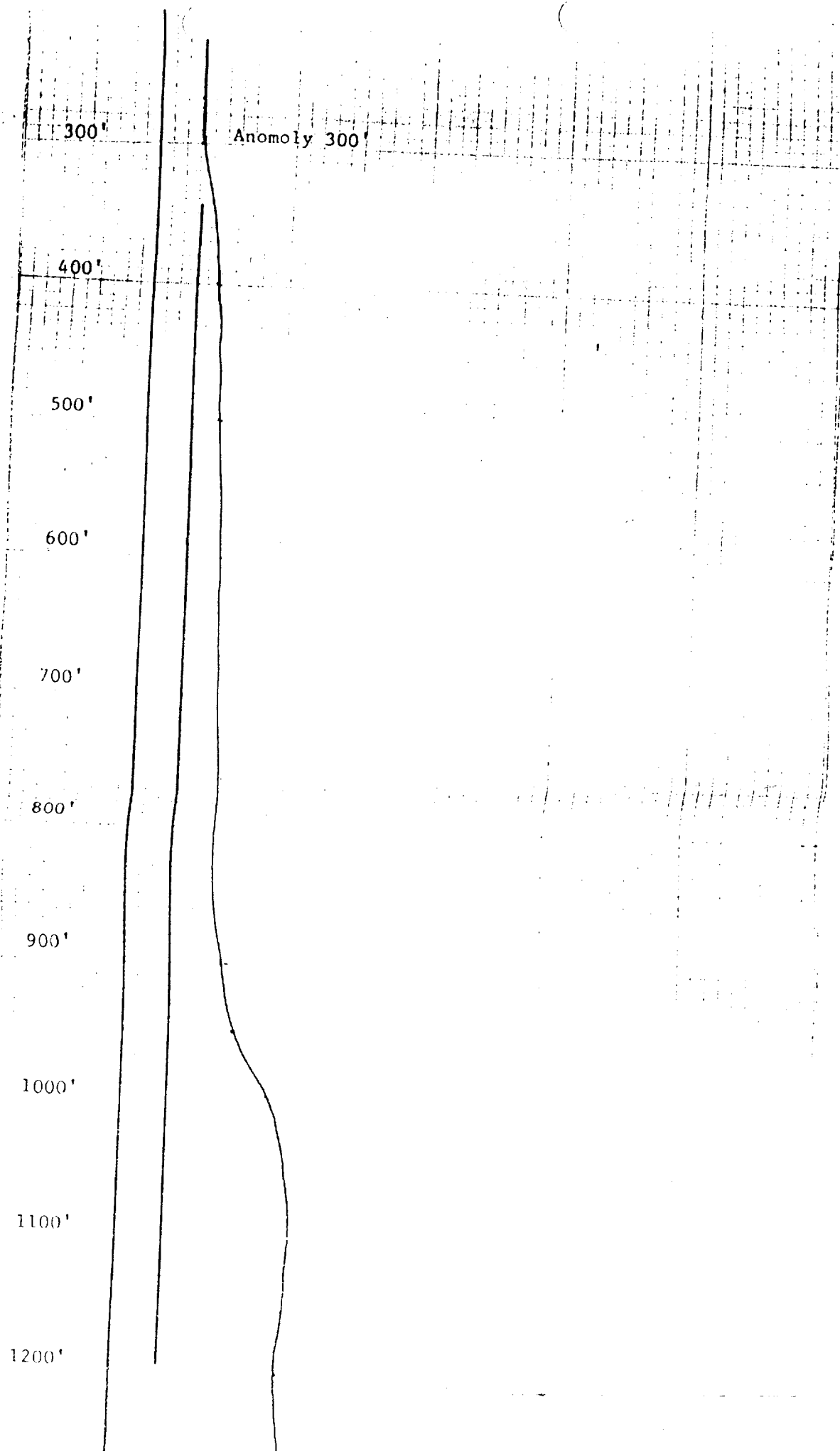
Recorded by..... Wilson Witnessed by.....

REMARKS OR OTHER DATA

DV Tool @ 4472'.

TEMPERATURE IN DEGREES FAHRENHEIT

100° 60° 80° 100° 120° 140°



1400'

1500'

1600'

1700'

1800'

1900'

2000'

2100'

2200'

2300'

2400'

2700'

2800'

2900'

3000'

3100'

3200'

3300'

3400'

3500'

3600'

3700'

3800'

3900'

4000'

4100'

4200'

4300'

Total Depth 4393'