



**Northcutt #24 SWD #1**  
**September 16, 2019**

## JOB INFORMATION SHEET

| Company Information     |                       |
|-------------------------|-----------------------|
| Company Name:           | VF Petroleum          |
| Well Information        |                       |
| Well Name:              | Northcutt #24 SWD 31  |
| Location:               | Eddy County, NM       |
| Field – Pool:           | Northcutt             |
| Status:                 | SWD                   |
| Test Information        |                       |
| Type of Test:           | Pressure Survey       |
| Gauge Depth:            | 12,100 ft             |
| Temperature @ Run Depth | 191.84 degF           |
| Surface Temperature:    | 73.74 degF            |
| Gauge Information       |                       |
| Serial Number:          | Top Recorder<br>76205 |
| Calibration Date:       | 11/7/18               |
| Pressure Range:         | 10000 psi             |
| Bottom Recorder         |                       |
| Comments                |                       |
| Pressure survey         |                       |
| Surface to 12,100ft.    |                       |
| 2min stop every 1000ft  |                       |
| 30 Min on bottom        |                       |

## Gradient Data Report

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### Gradient Data Table

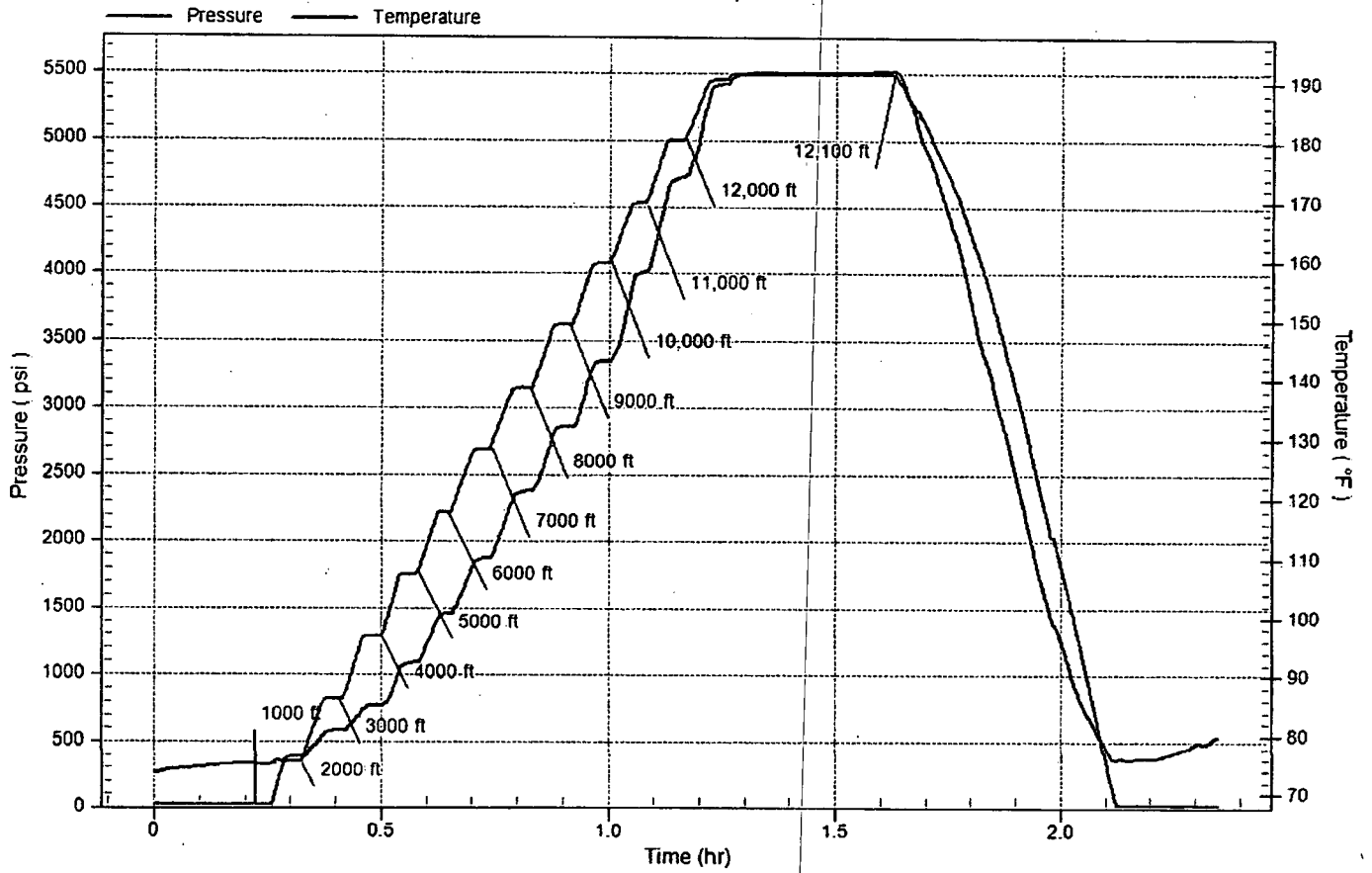
| Depth<br>ft | Pressure<br>psi | Temperature<br>degF | Gradient<br>psi/ft |
|-------------|-----------------|---------------------|--------------------|
| 1000.00     | 12.55           | 75.15               | 0.0000             |
| 2000.00     | 353.75          | 76.66               | 0.3412             |
| 3000.00     | 820.39          | 80.94               | 0.4666             |
| 4000.00     | 1285.44         | 85.10               | 0.4650             |
| 5000.00     | 1750.25         | 92.32               | 0.4648             |
| 6000.00     | 2215.87         | 100.53              | 0.4656             |
| 7000.00     | 2691.52         | 110.04              | 0.4757             |
| 8000.00     | 3143.80         | 121.35              | 0.4523             |
| 9000.00     | 3614.63         | 132.17              | 0.4708             |
| 10000.00    | 4071.16         | 143.15              | 0.4565             |
| 11000.00    | 4533.30         | 158.22              | 0.4621             |
| 12000.00    | 4993.64         | 174.14              | 0.4603             |
| 12100.00    | 5497.67         | 191.83              | 5.0403             |

### Analysis Summary

| Depth<br>ft | Gradient<br>psi/ft |
|-------------|--------------------|
| 0.00        |                    |
| 12100.00    | 0.4942             |

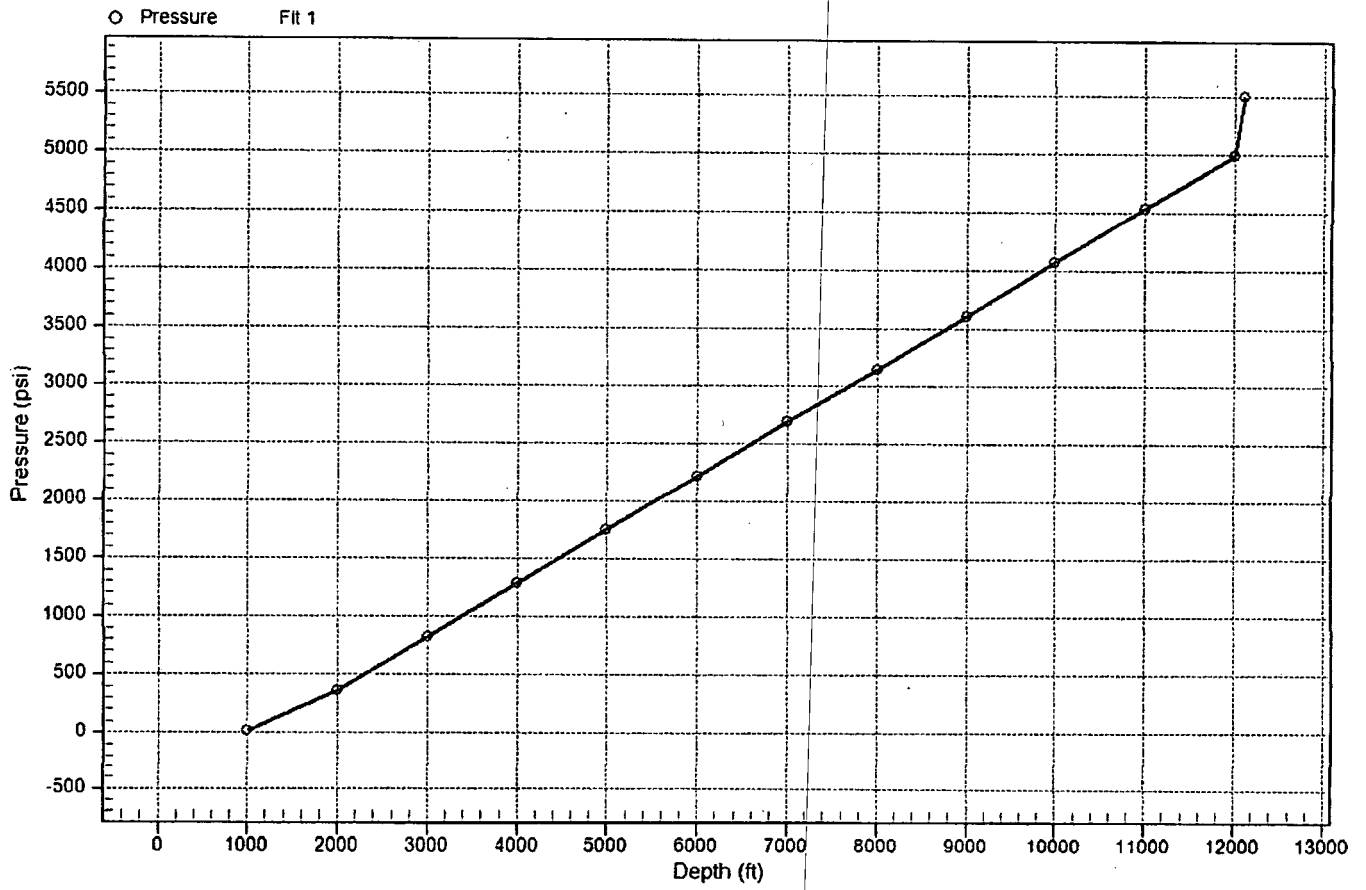
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Pressure Survey



# Pressure vs. Depth

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# Temperature vs. Depth

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