

SAN JUAN 29-7 UNIT 300  
30-039-25498

nk

## Pressure Test Report

### COMPANY INFORMATION

|                |                  |
|----------------|------------------|
| Company Name   | Hilcorp          |
| Representative | Priscilla Shorty |
| Phone          |                  |
| Fax            |                  |
| Address        |                  |

|                 |                                |
|-----------------|--------------------------------|
| E-Mail Address  |                                |
| Service Company | Expert Downhole Services, Inc. |

### WELL INFORMATION

|                                         |                         |
|-----------------------------------------|-------------------------|
| Well Name                               | San Juan 29-7 Unit #300 |
| Well Location                           | T29N, R7W, Sec. 11      |
| Field and Pool                          | Mesa Verde              |
| Status (Oil, Gas, Water, Injection)     | Observation             |
| Perforated Intervals                    | 4855-5482               |
| Mid-point of Perforated Intervals (MPP) |                         |
| Drilling Rig Number                     |                         |
| Elevations                              |                         |
| Kelly Bushing (KB)                      |                         |
| Casing Flange (CF)                      |                         |
| KB-CF                                   |                         |
| Ground Level                            | 6265                    |
| Plug Back Total Depth                   |                         |
| Total Depth                             | 5850                    |
| Production Casing                       | 4 1/2 to 5850           |
| Production Tubing                       | 1 1/4 to 5146           |

### TEST INFORMATION

|                                      |                      |
|--------------------------------------|----------------------|
| Type of Test                         | POOH Static Gradient |
| Date(s) of Test                      | 6/5/18               |
| Dead-weight Gauge Tubing Pressure    | 400                  |
| Dead-weight Gauge Casing Pressure    | 310                  |
| Shut-in Date (Duration)              |                      |
| Date / Time on Bottom                | 6/5/18 @1051         |
| Date / Time off Bottom               | 6/5/18 @1151         |
| Probe Serial Number                  | 1933                 |
| Probe Offset from End of Tool String | 0-6000               |
| Run Depth at Probe Pressure Port     | 5400                 |

### PRESSURE TEST RESULTS

|                                    |             |
|------------------------------------|-------------|
| Maximum Recorded Probe Pressure    | 465.3 psig  |
| Maximum Recorded Probe Temperature | 164.2 deg F |
| Final Buildup Pressure             |             |
| Gradient Survey Information        |             |
| Extrapolated Pressure to MPP       |             |
| Final Gradient at Depth            |             |
| Job Number                         |             |

NMOC D

JUN 07 2018

DISTRICT III

**Company Name** Hilcorp  
**Well Name** San Juan 29-7 Unit #300  
**Type of Test** POOH Static Gradient  
**Date(s) of Test** 6/5/18



---

## **PROBE INFORMATION**

Probe Serial Number 1933

Model

Pressure

Calibrated Pressure Range

Accuracy

Resolution

Temperature

Calibrated Temperature Range

Accuracy

Resolution

Calibration File Used for Reports

## **PROGRAMMING DETAILS**

| <u>Step</u> | <u>Sample Mode</u> | <u>Period</u> | <u>Duration</u> | <u>Comment</u> |
|-------------|--------------------|---------------|-----------------|----------------|
|-------------|--------------------|---------------|-----------------|----------------|

Program Start Time  
Program End Time  
Total Samples Taken  
Usage for this Test  
Generic Data File Name

|                        |                         |
|------------------------|-------------------------|
| <b>Company Name</b>    | Hilcorp                 |
| <b>Well Name</b>       | San Juan 29-7 Unit #300 |
| <b>Type of Test</b>    | POOH Static Gradient    |
| <b>Date(s) of Test</b> | 6/5/18                  |



---

## **COMMENTS**

Reported By

Expert Downhole Services, Inc

RIH with 3/4" IB and tagged fill @ 5742 WLM. RIH with 3/4" BHP gauge to 5400 for 1 hour, then POOH making 5 minute stops per request.

**Company Name** Hilcorp  
**Well Name** San Juan 29-7 Unit #300  
**Type of Test** POOH Static Gradient  
**Date(s) of Test** 6/5/18



## Pressure vs. Depth

Probe Serial Number 1933

|      |      | (ft)     | (psig)  | (psi/ft) | (deg F) | (deg F/ft) |
|------|------|----------|---------|----------|---------|------------|
| 1051 | 1151 | 5400.000 | 463.857 | -        | 155.413 | -          |
| 1152 | 1157 | 5200.000 | 463.331 | 0.0026   | 163.188 | -0.0389    |
| 1158 | 1203 | 5000.000 | 460.757 | 0.0129   | 160.506 | 0.0134     |
| 1205 | 1210 | 4000.000 | 450.071 | 0.0107   | 145.783 | 0.0147     |
| 1213 | 1218 | 3000.000 | 439.550 | 0.0105   | 127.929 | 0.0179     |
| 1220 | 1225 | 2000.000 | 428.239 | 0.0113   | 95.182  | 0.0327     |
| 1227 | 1232 | 1000.000 | 417.018 | 0.0112   | 78.170  | 0.0170     |
| 1234 | 1239 | 0.000    | 405.970 | 0.0110   | 63.147  | 0.0150     |

Extrapolated to MPP:

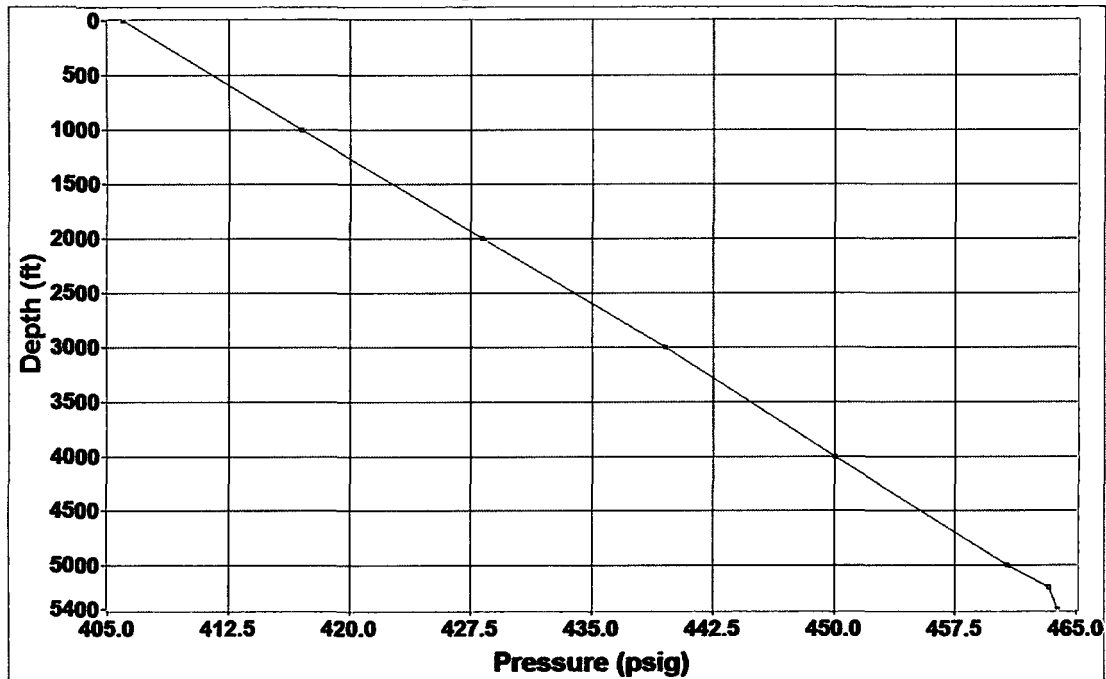
| (ft)  | (psig) | (deg F) |
|-------|--------|---------|
| 0.000 |        |         |

Company Name Hilcorp  
Well Name San Juan 29-7 Unit #300  
Type of Test POOH Static Gradient  
Date(s) of Test 6/5/18

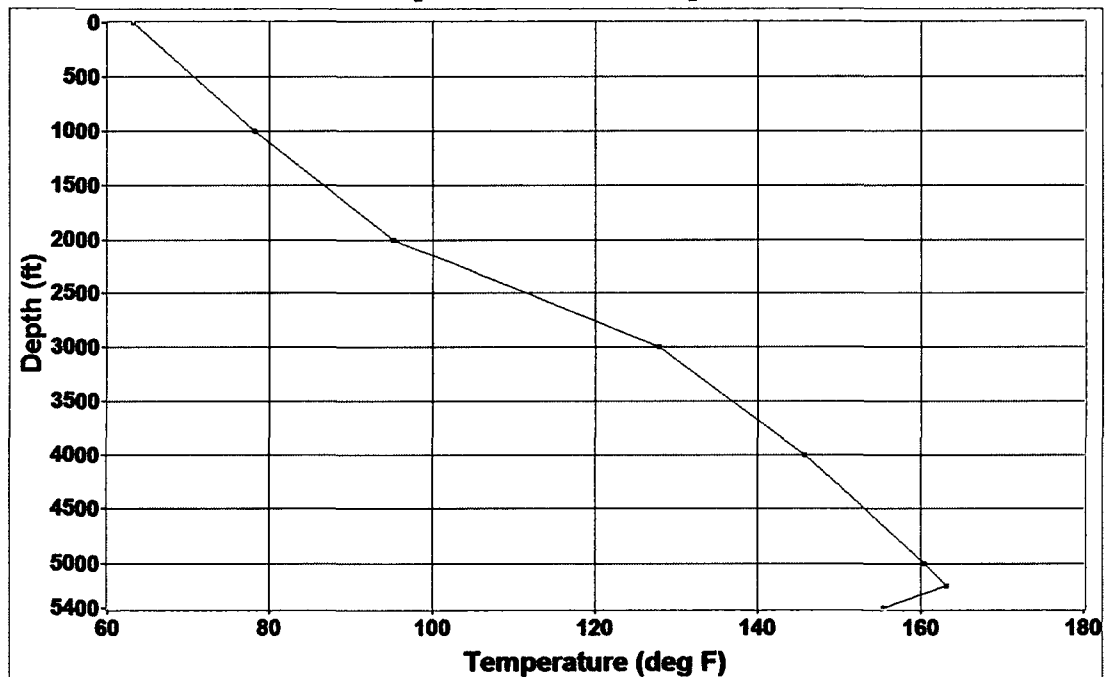


Probe Serial Number 1933

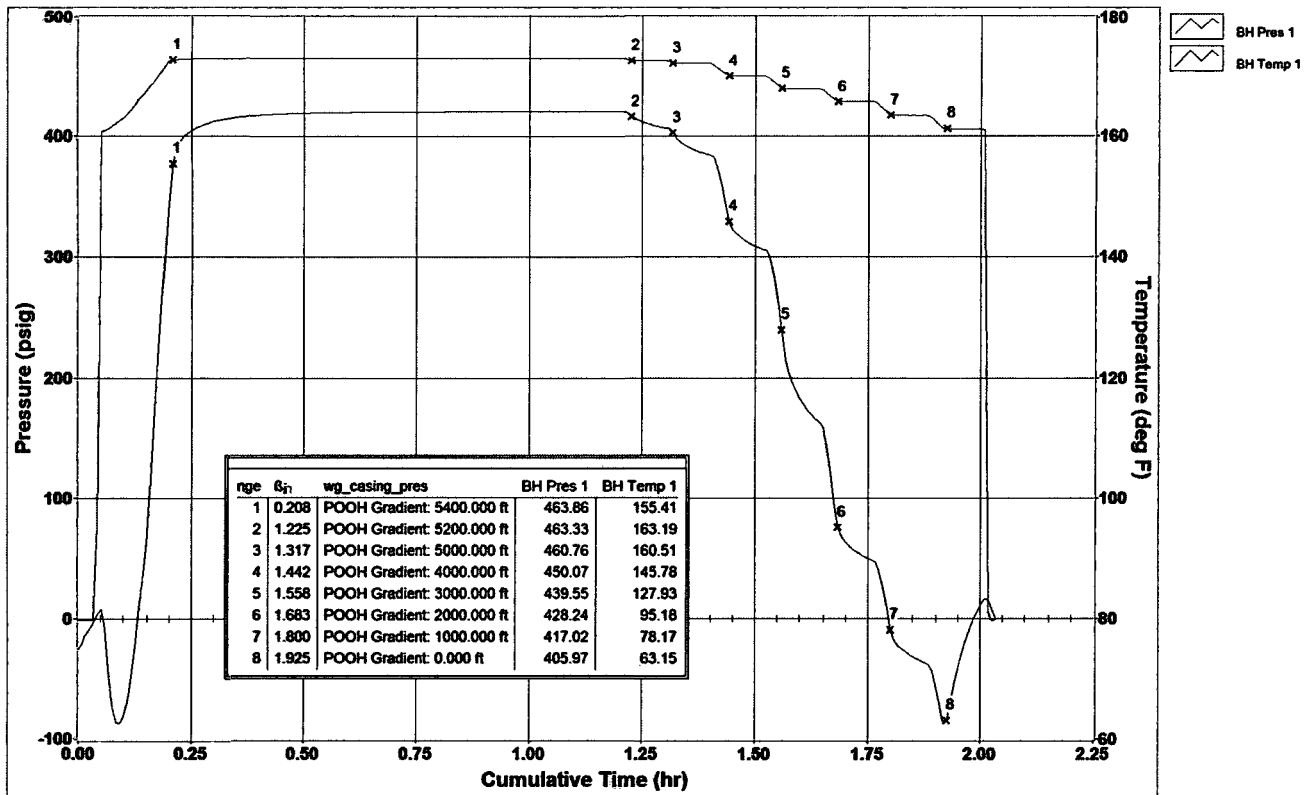
## 1933 Depth vs. Pressure



## 1933 Depth vs. Temperature



## San Juan 29-7 Unit #300



**Company Name** Hilcorp  
**Well Name** San Juan 29-7 Unit #300  
**Type of Test** POOH Static Gradient  
**Date(s) of Test** 6/5/18



| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2018/06/05                 | 10:39:15 | 0.0000          | -1.071    | 75.061       |
| 2018/06/05                 | 10:39:45 | 0.0083          | -1.147    | 76.082       |
| 2018/06/05                 | 10:40:15 | 0.0167          | -1.128    | 77.488       |
| 2018/06/05                 | 10:40:45 | 0.0250          | -1.244    | 78.472       |
| 2018/06/05                 | 10:41:15 | 0.0333          | -1.243    | 79.403       |
| 2018/06/05                 | 10:41:45 | 0.0417          | 77.354    | 80.652       |
| 2018/06/05                 | 10:42:15 | 0.0500          | 403.722   | 81.590       |
| 2018/06/05                 | 10:42:45 | 0.0583          | 404.163   | 78.400       |
| 2018/06/05                 | 10:43:15 | 0.0667          | 406.124   | 70.423       |
| 2018/06/05                 | 10:43:45 | 0.0750          | 408.189   | 65.239       |
| 2018/06/05                 | 10:44:15 | 0.0833          | 410.306   | 62.839       |
| 2018/06/05                 | 10:44:45 | 0.0917          | 412.594   | 62.647       |
| 2018/06/05                 | 10:45:15 | 0.1000          | 415.108   | 63.928       |
| 2018/06/05                 | 10:45:45 | 0.1083          | 418.324   | 66.636       |
| 2018/06/05                 | 10:46:15 | 0.1167          | 421.848   | 70.560       |
| 2018/06/05                 | 10:46:45 | 0.1250          | 425.882   | 75.416       |
| 2018/06/05                 | 10:47:15 | 0.1333          | 430.029   | 80.911       |
| 2018/06/05                 | 10:47:45 | 0.1417          | 433.594   | 86.556       |
| 2018/06/05                 | 10:48:15 | 0.1500          | 437.182   | 92.514       |
| 2018/06/05                 | 10:48:45 | 0.1583          | 441.211   | 101.224      |
| 2018/06/05                 | 10:49:15 | 0.1667          | 444.829   | 112.721      |
| 2018/06/05                 | 10:49:45 | 0.1750          | 449.197   | 123.211      |
| 2018/06/05                 | 10:50:15 | 0.1833          | 453.457   | 132.976      |
| 2018/06/05                 | 10:50:45 | 0.1917          | 458.019   | 140.985      |
| 2018/06/05                 | 10:51:15 | 0.2000          | 462.288   | 148.777      |
| POOH Gradient: 5400.000 ft |          |                 |           |              |
| 2018/06/05                 | 10:51:45 | 0.2083          | 463.857   | 155.413      |
| 2018/06/05                 | 10:52:15 | 0.2167          | 463.714   | 157.872      |
| 2018/06/05                 | 10:52:45 | 0.2250          | 463.947   | 159.044      |
| 2018/06/05                 | 10:53:15 | 0.2333          | 464.116   | 159.829      |
| 2018/06/05                 | 10:53:45 | 0.2417          | 464.319   | 160.392      |
| 2018/06/05                 | 10:54:15 | 0.2500          | 464.473   | 160.842      |
| 2018/06/05                 | 10:54:45 | 0.2583          | 464.541   | 161.208      |
| 2018/06/05                 | 10:55:15 | 0.2667          | 464.569   | 161.515      |
| 2018/06/05                 | 10:55:45 | 0.2750          | 464.689   | 161.784      |
| 2018/06/05                 | 10:56:15 | 0.2833          | 464.777   | 162.034      |
| 2018/06/05                 | 10:56:45 | 0.2917          | 464.834   | 162.228      |
| 2018/06/05                 | 10:57:15 | 0.3000          | 464.837   | 162.408      |
| 2018/06/05                 | 10:57:45 | 0.3083          | 464.864   | 162.565      |
| 2018/06/05                 | 10:58:15 | 0.3167          | 464.914   | 162.696      |
| 2018/06/05                 | 10:58:45 | 0.3250          | 464.953   | 162.824      |
| 2018/06/05                 | 10:59:15 | 0.3333          | 464.977   | 162.925      |
| 2018/06/05                 | 10:59:45 | 0.3417          | 464.993   | 163.029      |
| 2018/06/05                 | 11:00:15 | 0.3500          | 465.003   | 163.121      |
| 2018/06/05                 | 11:00:45 | 0.3583          | 465.036   | 163.200      |
| 2018/06/05                 | 11:01:15 | 0.3667          | 465.042   | 163.269      |
| 2018/06/05                 | 11:01:45 | 0.3750          | 465.068   | 163.333      |
| 2018/06/05                 | 11:02:15 | 0.3833          | 465.092   | 163.395      |
| 2018/06/05                 | 11:02:45 | 0.3917          | 465.116   | 163.452      |
| 2018/06/05                 | 11:03:15 | 0.4000          | 465.132   | 163.495      |
| 2018/06/05                 | 11:03:45 | 0.4083          | 465.150   | 163.540      |
| 2018/06/05                 | 11:04:15 | 0.4167          | 465.146   | 163.582      |
| 2018/06/05                 | 11:04:45 | 0.4250          | 465.158   | 163.614      |
| 2018/06/05                 | 11:05:15 | 0.4333          | 465.168   | 163.643      |

| Date       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|------------|----------|-----------------|-----------|--------------|
|            |          | hr              | psig      | deg F        |
| 2018/06/05 | 11:05:45 | 0.4417          | 465.179   | 163.674      |
| 2018/06/05 | 11:06:15 | 0.4500          | 465.192   | 163.702      |
| 2018/06/05 | 11:06:45 | 0.4583          | 465.200   | 163.728      |
| 2018/06/05 | 11:07:15 | 0.4667          | 465.207   | 163.749      |
| 2018/06/05 | 11:07:45 | 0.4750          | 465.213   | 163.771      |
| 2018/06/05 | 11:08:15 | 0.4833          | 465.223   | 163.792      |
| 2018/06/05 | 11:08:45 | 0.4917          | 465.226   | 163.805      |
| 2018/06/05 | 11:09:15 | 0.5000          | 465.235   | 163.825      |
| 2018/06/05 | 11:09:45 | 0.5083          | 465.241   | 163.830      |
| 2018/06/05 | 11:10:15 | 0.5167          | 465.246   | 163.848      |
| 2018/06/05 | 11:10:45 | 0.5250          | 465.250   | 163.857      |
| 2018/06/05 | 11:11:15 | 0.5333          | 465.255   | 163.875      |
| 2018/06/05 | 11:11:45 | 0.5417          | 465.259   | 163.884      |
| 2018/06/05 | 11:12:15 | 0.5500          | 465.261   | 163.897      |
| 2018/06/05 | 11:12:45 | 0.5583          | 465.267   | 163.902      |
| 2018/06/05 | 11:13:15 | 0.5667          | 465.279   | 163.920      |
| 2018/06/05 | 11:13:45 | 0.5750          | 465.284   | 163.933      |
| 2018/06/05 | 11:14:15 | 0.5833          | 465.285   | 163.927      |
| 2018/06/05 | 11:14:45 | 0.5917          | 465.287   | 163.938      |
| 2018/06/05 | 11:15:15 | 0.6000          | 465.293   | 163.951      |
| 2018/06/05 | 11:15:45 | 0.6083          | 465.297   | 163.953      |
| 2018/06/05 | 11:16:15 | 0.6167          | 465.296   | 163.958      |
| 2018/06/05 | 11:16:45 | 0.6250          | 465.301   | 163.962      |
| 2018/06/05 | 11:17:15 | 0.6333          | 465.302   | 163.971      |
| 2018/06/05 | 11:17:45 | 0.6417          | 465.301   | 163.976      |
| 2018/06/05 | 11:18:15 | 0.6500          | 465.307   | 163.990      |
| 2018/06/05 | 11:18:45 | 0.6583          | 465.306   | 163.987      |
| 2018/06/05 | 11:19:15 | 0.6667          | 465.306   | 163.994      |
| 2018/06/05 | 11:19:45 | 0.6750          | 465.306   | 164.001      |
| 2018/06/05 | 11:20:15 | 0.6833          | 465.308   | 164.007      |
| 2018/06/05 | 11:20:45 | 0.6917          | 465.307   | 164.010      |
| 2018/06/05 | 11:21:15 | 0.7000          | 465.302   | 164.007      |
| 2018/06/05 | 11:21:45 | 0.7083          | 465.309   | 164.021      |
| 2018/06/05 | 11:22:15 | 0.7167          | 465.307   | 164.025      |
| 2018/06/05 | 11:22:45 | 0.7250          | 465.307   | 164.025      |
| 2018/06/05 | 11:23:15 | 0.7333          | 465.310   | 164.032      |
| 2018/06/05 | 11:23:45 | 0.7417          | 465.312   | 164.028      |
| 2018/06/05 | 11:24:15 | 0.7500          | 465.320   | 164.039      |
| 2018/06/05 | 11:24:45 | 0.7583          | 465.322   | 164.043      |
| 2018/06/05 | 11:25:15 | 0.7667          | 465.321   | 164.048      |
| 2018/06/05 | 11:25:45 | 0.7750          | 465.319   | 164.044      |
| 2018/06/05 | 11:26:15 | 0.7833          | 465.317   | 164.046      |
| 2018/06/05 | 11:26:45 | 0.7917          | 465.322   | 164.057      |
| 2018/06/05 | 11:27:15 | 0.8000          | 465.320   | 164.059      |
| 2018/06/05 | 11:27:45 | 0.8083          | 465.318   | 164.062      |
| 2018/06/05 | 11:28:15 | 0.8167          | 465.316   | 164.064      |
| 2018/06/05 | 11:28:45 | 0.8250          | 465.317   | 164.075      |
| 2018/06/05 | 11:29:15 | 0.8333          | 465.311   | 164.068      |
| 2018/06/05 | 11:29:45 | 0.8417          | 465.310   | 164.075      |
| 2018/06/05 | 11:30:15 | 0.8500          | 465.311   | 164.082      |
| 2018/06/05 | 11:30:45 | 0.8583          | 465.311   | 164.082      |
| 2018/06/05 | 11:31:15 | 0.8667          | 465.305   | 164.077      |
| 2018/06/05 | 11:31:45 | 0.8750          | 465.308   | 164.082      |
| 2018/06/05 | 11:32:15 | 0.8833          | 465.304   | 164.080      |

**Company Name** Hilcorp  
**Well Name** San Juan 29-7 Unit #300  
**Type of Test** POOH Static Gradient  
**Date(s) of Test** 6/5/18



| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2018/06/05                 | 11:32:45 | 0.8917          | 465.302   | 164.082      |
| 2018/06/05                 | 11:33:15 | 0.9000          | 465.300   | 164.086      |
| 2018/06/05                 | 11:33:45 | 0.9083          | 465.299   | 164.089      |
| 2018/06/05                 | 11:34:15 | 0.9167          | 465.296   | 164.089      |
| 2018/06/05                 | 11:34:45 | 0.9250          | 465.293   | 164.091      |
| 2018/06/05                 | 11:35:15 | 0.9333          | 465.292   | 164.097      |
| 2018/06/05                 | 11:35:45 | 0.9417          | 465.280   | 164.104      |
| 2018/06/05                 | 11:36:15 | 0.9500          | 465.278   | 164.107      |
| 2018/06/05                 | 11:36:45 | 0.9583          | 465.266   | 164.109      |
| 2018/06/05                 | 11:37:15 | 0.9667          | 465.247   | 164.111      |
| 2018/06/05                 | 11:37:45 | 0.9750          | 465.249   | 164.113      |
| 2018/06/05                 | 11:38:15 | 0.9833          | 465.246   | 164.115      |
| 2018/06/05                 | 11:38:45 | 0.9917          | 465.243   | 164.116      |
| 2018/06/05                 | 11:39:15 | 1.0000          | 465.241   | 164.118      |
| 2018/06/05                 | 11:39:45 | 1.0083          | 465.238   | 164.118      |
| 2018/06/05                 | 11:40:15 | 1.0167          | 465.235   | 164.118      |
| 2018/06/05                 | 11:40:45 | 1.0250          | 465.233   | 164.120      |
| 2018/06/05                 | 11:41:15 | 1.0333          | 465.236   | 164.120      |
| 2018/06/05                 | 11:41:45 | 1.0417          | 465.330   | 164.122      |
| 2018/06/05                 | 11:42:15 | 1.0500          | 465.333   | 164.124      |
| 2018/06/05                 | 11:42:45 | 1.0583          | 465.321   | 164.131      |
| 2018/06/05                 | 11:43:15 | 1.0667          | 465.255   | 164.134      |
| 2018/06/05                 | 11:43:45 | 1.0750          | 465.221   | 164.131      |
| 2018/06/05                 | 11:44:15 | 1.0833          | 465.214   | 164.122      |
| 2018/06/05                 | 11:44:45 | 1.0917          | 465.212   | 164.125      |
| 2018/06/05                 | 11:45:15 | 1.1000          | 465.211   | 164.129      |
| 2018/06/05                 | 11:45:45 | 1.1083          | 465.209   | 164.133      |
| 2018/06/05                 | 11:46:15 | 1.1167          | 465.212   | 164.138      |
| 2018/06/05                 | 11:46:45 | 1.1250          | 465.208   | 164.136      |
| 2018/06/05                 | 11:47:15 | 1.1333          | 465.207   | 164.140      |
| 2018/06/05                 | 11:47:45 | 1.1417          | 465.131   | 164.149      |
| 2018/06/05                 | 11:48:15 | 1.1500          | 465.124   | 164.140      |
| 2018/06/05                 | 11:48:45 | 1.1583          | 465.123   | 164.147      |
| 2018/06/05                 | 11:49:15 | 1.1667          | 465.120   | 164.145      |
| 2018/06/05                 | 11:49:45 | 1.1750          | 465.124   | 164.147      |
| 2018/06/05                 | 11:50:15 | 1.1833          | 465.118   | 164.142      |
| 2018/06/05                 | 11:50:45 | 1.1917          | 465.118   | 164.149      |
| 2018/06/05                 | 11:51:15 | 1.2000          | 465.116   | 164.151      |
| 2018/06/05                 | 11:51:45 | 1.2083          | 465.115   | 164.156      |
| 2018/06/05                 | 11:52:15 | 1.2167          | 463.816   | 163.818      |
| POOH Gradient: 5200.000 ft |          |                 |           |              |
| 2018/06/05                 | 11:52:45 | 1.2250          | 463.331   | 163.188      |
| 2018/06/05                 | 11:53:15 | 1.2333          | 463.170   | 162.842      |
| 2018/06/05                 | 11:53:45 | 1.2417          | 463.033   | 162.532      |
| 2018/06/05                 | 11:54:15 | 1.2500          | 462.940   | 162.286      |
| 2018/06/05                 | 11:54:45 | 1.2583          | 462.952   | 162.052      |
| 2018/06/05                 | 11:55:15 | 1.2667          | 462.954   | 161.859      |
| 2018/06/05                 | 11:55:45 | 1.2750          | 462.937   | 161.703      |
| 2018/06/05                 | 11:56:15 | 1.2833          | 462.889   | 161.569      |
| 2018/06/05                 | 11:56:45 | 1.2917          | 462.896   | 161.465      |
| 2018/06/05                 | 11:57:15 | 1.3000          | 462.897   | 161.370      |
| 2018/06/05                 | 11:57:45 | 1.3083          | 462.786   | 161.294      |
| POOH Gradient: 5000.000 ft |          |                 |           |              |
| 2018/06/05                 | 11:58:15 | 1.3167          | 460.757   | 160.506      |

| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2018/06/05                 | 11:58:45 | 1.3250          | 460.682   | 159.489      |
| 2018/06/05                 | 11:59:15 | 1.3333          | 460.733   | 158.961      |
| 2018/06/05                 | 11:59:45 | 1.3417          | 460.681   | 158.522      |
| 2018/06/05                 | 12:00:15 | 1.3500          | 460.619   | 158.146      |
| 2018/06/05                 | 12:00:45 | 1.3583          | 460.603   | 157.829      |
| 2018/06/05                 | 12:01:15 | 1.3667          | 460.739   | 157.555      |
| 2018/06/05                 | 12:01:45 | 1.3750          | 460.801   | 157.321      |
| 2018/06/05                 | 12:02:15 | 1.3833          | 460.805   | 157.132      |
| 2018/06/05                 | 12:02:45 | 1.3917          | 460.738   | 156.963      |
| 2018/06/05                 | 12:03:15 | 1.4000          | 460.734   | 156.812      |
| 2018/06/05                 | 12:03:45 | 1.4083          | 458.867   | 156.299      |
| 2018/06/05                 | 12:04:15 | 1.4167          | 456.495   | 154.350      |
| 2018/06/05                 | 12:04:45 | 1.4250          | 454.165   | 151.786      |
| 2018/06/05                 | 12:05:15 | 1.4333          | 451.687   | 148.854      |
| POOH Gradient: 4000.000 ft |          |                 |           |              |
| 2018/06/05                 | 12:05:45 | 1.4417          | 450.071   | 145.783      |
| 2018/06/05                 | 12:06:15 | 1.4500          | 450.035   | 144.423      |
| 2018/06/05                 | 12:06:45 | 1.4583          | 450.035   | 143.731      |
| 2018/06/05                 | 12:07:15 | 1.4667          | 449.968   | 143.186      |
| 2018/06/05                 | 12:07:45 | 1.4750          | 449.971   | 142.736      |
| 2018/06/05                 | 12:08:15 | 1.4833          | 449.970   | 142.335      |
| 2018/06/05                 | 12:08:45 | 1.4917          | 449.997   | 141.998      |
| 2018/06/05                 | 12:09:15 | 1.5000          | 449.977   | 141.683      |
| 2018/06/05                 | 12:09:45 | 1.5083          | 449.973   | 141.402      |
| 2018/06/05                 | 12:10:15 | 1.5167          | 449.974   | 141.163      |
| 2018/06/05                 | 12:10:45 | 1.5250          | 449.871   | 140.936      |
| 2018/06/05                 | 12:11:15 | 1.5333          | 447.253   | 139.642      |
| 2018/06/05                 | 12:11:45 | 1.5417          | 444.580   | 136.580      |
| 2018/06/05                 | 12:12:15 | 1.5500          | 442.063   | 132.530      |
| POOH Gradient: 3000.000 ft |          |                 |           |              |
| 2018/06/05                 | 12:12:45 | 1.5583          | 439.550   | 127.929      |
| 2018/06/05                 | 12:13:15 | 1.5667          | 439.001   | 123.087      |
| 2018/06/05                 | 12:13:45 | 1.5750          | 439.117   | 120.798      |
| 2018/06/05                 | 12:14:15 | 1.5833          | 439.158   | 119.084      |
| 2018/06/05                 | 12:14:45 | 1.5917          | 439.217   | 117.673      |
| 2018/06/05                 | 12:15:15 | 1.6000          | 439.189   | 116.479      |
| 2018/06/05                 | 12:15:45 | 1.6083          | 439.176   | 115.455      |
| 2018/06/05                 | 12:16:15 | 1.6167          | 439.175   | 114.588      |
| 2018/06/05                 | 12:16:45 | 1.6250          | 439.249   | 113.851      |
| 2018/06/05                 | 12:17:15 | 1.6333          | 439.274   | 113.214      |
| 2018/06/05                 | 12:17:45 | 1.6417          | 439.234   | 112.658      |
| 2018/06/05                 | 12:18:15 | 1.6500          | 437.888   | 111.940      |
| 2018/06/05                 | 12:18:45 | 1.6583          | 435.053   | 108.788      |
| 2018/06/05                 | 12:19:15 | 1.6667          | 432.459   | 104.221      |
| 2018/06/05                 | 12:19:45 | 1.6750          | 429.902   | 99.410       |
| POOH Gradient: 2000.000 ft |          |                 |           |              |
| 2018/06/05                 | 12:20:15 | 1.6833          | 428.239   | 95.182       |
| 2018/06/05                 | 12:20:45 | 1.6917          | 428.345   | 93.582       |
| 2018/06/05                 | 12:21:15 | 1.7000          | 428.336   | 92.754       |
| 2018/06/05                 | 12:21:45 | 1.7083          | 428.332   | 92.124       |
| 2018/06/05                 | 12:22:15 | 1.7167          | 428.215   | 91.591       |
| 2018/06/05                 | 12:22:45 | 1.7250          | 428.320   | 91.128       |
| 2018/06/05                 | 12:23:15 | 1.7333          | 428.274   | 90.720       |
| 2018/06/05                 | 12:23:45 | 1.7417          | 428.281   | 90.358       |

**Company Name** Hilcorp  
**Well Name** San Juan 29-7 Unit #300  
**Type of Test** POOH Static Gradient  
**Date(s) of Test** 6/5/18



| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2018/06/05                 | 12:24:15 | 1.7500          | 428.311   | 90.027       |
| 2018/06/05                 | 12:24:45 | 1.7583          | 428.274   | 89.731       |
| 2018/06/05                 | 12:25:15 | 1.7667          | 427.880   | 89.447       |
| 2018/06/05                 | 12:25:45 | 1.7750          | 424.942   | 87.811       |
| 2018/06/05                 | 12:26:15 | 1.7833          | 422.123   | 85.059       |
| 2018/06/05                 | 12:26:45 | 1.7917          | 419.313   | 81.792       |
| POOH Gradient: 1000.000 ft |          |                 |           |              |
| 2018/06/05                 | 12:27:15 | 1.8000          | 417.018   | 78.170       |
| 2018/06/05                 | 12:27:45 | 1.8083          | 417.038   | 76.365       |
| 2018/06/05                 | 12:28:15 | 1.8167          | 417.056   | 75.585       |
| 2018/06/05                 | 12:28:45 | 1.8250          | 416.994   | 74.998       |
| 2018/06/05                 | 12:29:15 | 1.8333          | 416.997   | 74.496       |
| 2018/06/05                 | 12:29:45 | 1.8417          | 416.929   | 74.057       |
| 2018/06/05                 | 12:30:15 | 1.8500          | 416.981   | 73.657       |
| 2018/06/05                 | 12:30:45 | 1.8583          | 416.907   | 73.314       |
| 2018/06/05                 | 12:31:15 | 1.8667          | 416.932   | 72.999       |
| 2018/06/05                 | 12:31:45 | 1.8750          | 416.975   | 72.705       |
| 2018/06/05                 | 12:32:15 | 1.8833          | 416.940   | 72.446       |
| 2018/06/05                 | 12:32:45 | 1.8917          | 414.471   | 71.436       |
| 2018/06/05                 | 12:33:15 | 1.9000          | 411.497   | 68.938       |
| 2018/06/05                 | 12:33:45 | 1.9083          | 408.540   | 65.982       |
| 2018/06/05                 | 12:34:15 | 1.9167          | 405.937   | 62.998       |
| POOH Gradient: 0.000 ft    |          |                 |           |              |
| 2018/06/05                 | 12:34:45 | 1.9250          | 405.970   | 63.147       |
| 2018/06/05                 | 12:35:15 | 1.9333          | 405.775   | 66.126       |
| 2018/06/05                 | 12:35:45 | 1.9417          | 405.714   | 69.114       |
| 2018/06/05                 | 12:36:15 | 1.9500          | 405.588   | 71.829       |
| 2018/06/05                 | 12:36:45 | 1.9583          | 405.559   | 74.219       |
| 2018/06/05                 | 12:37:15 | 1.9667          | 405.546   | 76.343       |
| 2018/06/05                 | 12:37:45 | 1.9750          | 405.462   | 78.138       |
| 2018/06/05                 | 12:38:15 | 1.9833          | 405.441   | 79.664       |
| 2018/06/05                 | 12:38:45 | 1.9917          | 405.410   | 81.025       |
| 2018/06/05                 | 12:39:15 | 2.0000          | 405.354   | 82.225       |
| 2018/06/05                 | 12:39:45 | 2.0083          | 405.211   | 83.233       |
| 2018/06/05                 | 12:40:15 | 2.0167          | 5.799     | 83.181       |
| 2018/06/05                 | 12:40:45 | 2.0250          | -1.502    | 81.642       |