

# Pressure Test Report

## COMPANY INFORMATION

Company Name CONOCOPHILLIPS  
Representative PRISCILLA SHORTY  
Phone  
Fax  
Address

E-Mail Address  
Service Company PHOENIX SERVICES

## WELL INFORMATION

Well Name ALLISON UNIT 1 POW  
Well Location T32N, R6W, SEC. 17  
Field and Pool BASIN FRUITLAND COAL  
Status (Oil, Gas, Water, Injection) OBSERVATION  
Perforated Intervals 3064-3114  
Mid-point of Perforated Intervals (MPP)  
Drilling Rig Number 300451141100 - API  
Elevations  
Kelly Bushing (KB) 12  
Casing Flange (CF)  
KB-CF  
Ground Level 6547  
Plug Back Total Depth 8082  
Total Depth 8660  
Production Casing 7 TO 3240  
Production Tubing 2 3/8 TO 2989

OIL CONS. DIV DIST. 3

JUN 3 2014

## TEST INFORMATION

Type of Test POOH STATIC GRADIENT  
Date(s) of Test MAY 20, 2014  
Dead-weight Gauge Tubing Pressure 270  
Dead-weight Gauge Casing Pressure 0  
Shut-in Date (Duration)  
Date / Time on Bottom 5/20/14 @ 1650 HRS  
Date / Time off Bottom 5/20/14 @ 1750 HRS

Probe Serial Number 9736  
Probe Offset from End of Tool String 0-6000  
Run Depth at Probe Pressure Port 3089

## PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 251.6 psig  
Maximum Recorded Probe Temperature 117.6 deg F  
Final Buildup Pressure  
Gradient Survey Information  
Extrapolated Pressure to MPP  
Final Gradient at Depth  
Job Number 31925WP

|                 |                      |
|-----------------|----------------------|
| Company Name    | CONOCOPHILLIPS       |
| Well Name       | ALLISON UNIT 1 POW   |
| Type of Test    | POOH STATIC GRADIENT |
| Date(s) of Test | MAY 20, 2014         |

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### **PROBE INFORMATION**

Probe Serial Number 9736  
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

|                 |                      |
|-----------------|----------------------|
| Company Name    | CONOCOPHILLIPS       |
| Well Name       | ALLISON UNIT 1 POW   |
| Type of Test    | POOH STATIC GRADIENT |
| Date(s) of Test | MAY 20, 2014         |

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## **COMMENTS**

Reported By

PHOENIX SERVICES

RAN 1.657 GR TO 3205'-SET DOWN-RAN TANDEM BHP GAUGES TO 3089'-SET 1 HR-POOH  
MAKING GRADIENT STOPS

|                 |                      |
|-----------------|----------------------|
| Company Name    | CONOCOPHILLIPS       |
| Well Name       | ALLISON UNIT 1 POW   |
| Type of Test    | POOH STATIC GRADIENT |
| Date(s) of Test | MAY 20, 2014         |

## Pressure vs. Depth

Probe Serial Number 9736

|      |      | (ft)     | (psig)  | (psi/ft) | (deg F) | (deg F/ft) |
|------|------|----------|---------|----------|---------|------------|
| 1650 | 1750 | 3089.000 | 249.464 | -        | 117.565 | -          |
| 1751 | 1756 | 3000.000 | 237.875 | 0.1302   | 116.148 | 0.0159     |
| 1757 | 1802 | 2500.000 | 235.028 | 0.0057   | 110.037 | 0.0122     |
| 1803 | 1808 | 2000.000 | 232.713 | 0.0046   | 102.243 | 0.0156     |
| 1809 | 1813 | 1500.000 | 230.055 | 0.0053   | 93.337  | 0.0178     |
| 1815 | 1820 | 1000.000 | 227.440 | 0.0052   | 83.710  | 0.0193     |
| 1822 | 1827 | 500.000  | 224.650 | 0.0056   | 73.699  | 0.0200     |
| 1828 | 1833 | 0.000    | 222.255 | 0.0048   | 68.643  | 0.0101     |

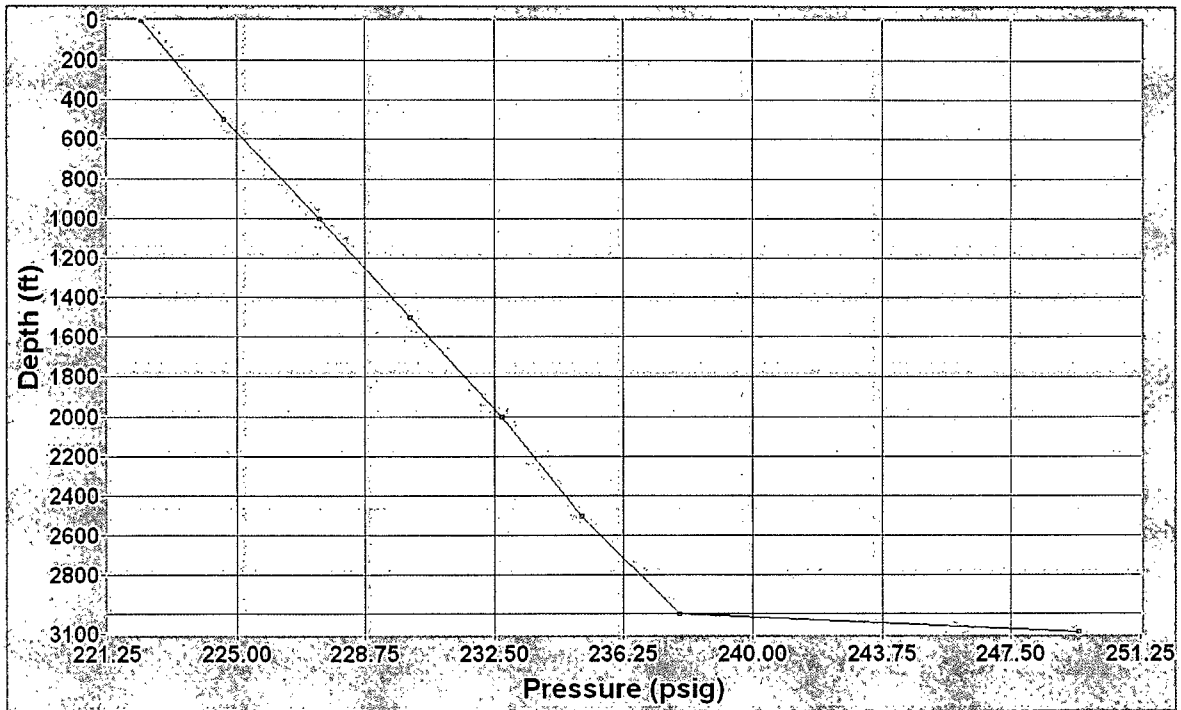
Extrapolated to MPP:

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

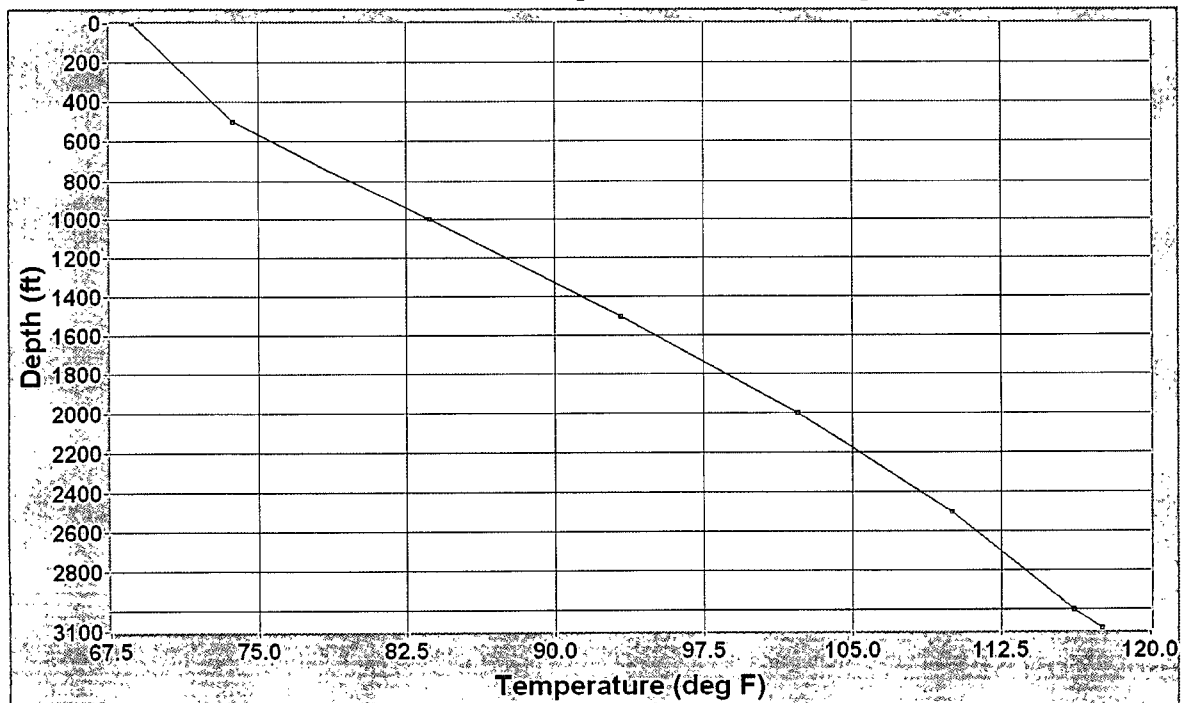
Company Name CONOCOPHILLIPS  
Well Name ALLISON UNIT 1 POW  
Type of Test POOH STATIC GRADIENT  
Date(s) of Test MAY 20, 2014

Probe Serial Number 9736

## POOH Gradient Depth vs. Pressure

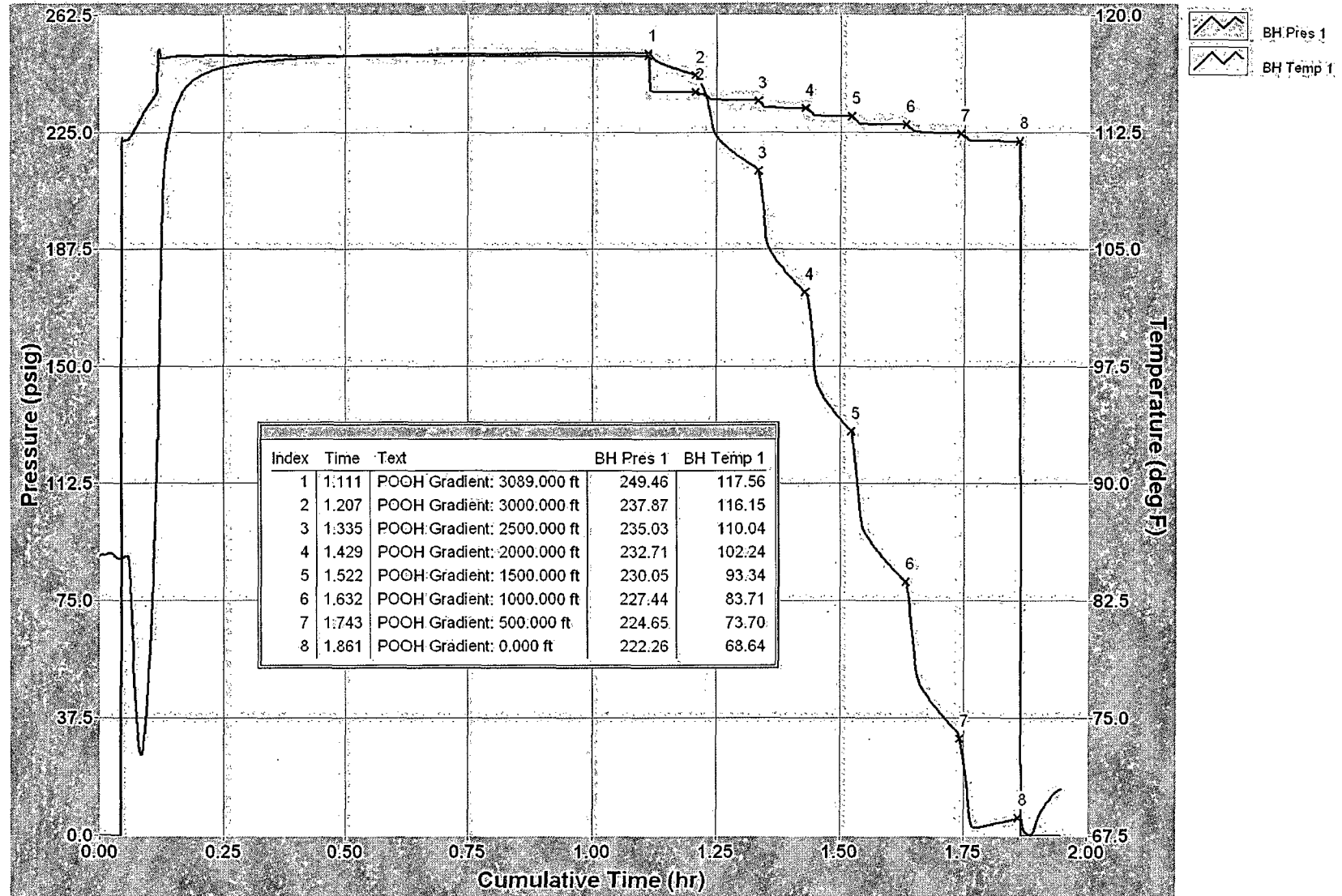


## POOH Gradient Depth vs. Temperature



Company Name CONOCOPHILLIPS  
 Well Name ALLISON UNIT 1 POW  
 Type of Test POOH STATIC GRADIENT  
 Date(s) of Test MAY 20, 2014

## Allison Unit #1 POW



Company Name CONOCOPHILLIPS  
Well Name ALLISON UNIT 1 POW  
Type of Test POOH STATIC GRADIENT  
Date(s) of Test MAY 20, 2014

| Date       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|------------|----------|-----------------|-----------|--------------|
|            |          | hr              | psig      | deg F        |
| 2014/05/20 | 16:42:05 | 0.0000          | 0.000     | 85.368       |
| 2014/05/20 | 16:42:35 | 0.0083          | 0.000     | 85.444       |
| 2014/05/20 | 16:43:05 | 0.0167          | 0.000     | 85.496       |
| 2014/05/20 | 16:43:35 | 0.0250          | 0.000     | 85.480       |
| 2014/05/20 | 16:44:05 | 0.0333          | 0.000     | 85.275       |
| 2014/05/20 | 16:44:35 | 0.0417          | 0.000     | 85.168       |
| 2014/05/20 | 16:45:05 | 0.0500          | 222.434   | 85.298       |
| 2014/05/20 | 16:45:35 | 0.0583          | 222.947   | 85.023       |
| 2014/05/20 | 16:46:05 | 0.0667          | 224.915   | 79.425       |
| 2014/05/20 | 16:46:35 | 0.0750          | 227.365   | 74.356       |
| 2014/05/20 | 16:47:05 | 0.0833          | 229.948   | 72.664       |
| 2014/05/20 | 16:47:35 | 0.0917          | 232.083   | 74.788       |
| 2014/05/20 | 16:48:05 | 0.1000          | 234.034   | 79.504       |
| 2014/05/20 | 16:48:35 | 0.1083          | 235.909   | 85.766       |
| 2014/05/20 | 16:49:05 | 0.1167          | 250.396   | 93.477       |
| 2014/05/20 | 16:49:35 | 0.1250          | 248.583   | 107.325      |
| 2014/05/20 | 16:50:05 | 0.1333          | 248.769   | 111.303      |
| 2014/05/20 | 16:50:35 | 0.1417          | 249.015   | 112.941      |
| 2014/05/20 | 16:51:05 | 0.1500          | 249.175   | 113.914      |
| 2014/05/20 | 16:51:35 | 0.1583          | 249.288   | 114.570      |
| 2014/05/20 | 16:52:05 | 0.1667          | 249.369   | 115.057      |
| 2014/05/20 | 16:52:35 | 0.1750          | 249.413   | 115.419      |
| 2014/05/20 | 16:53:05 | 0.1833          | 249.452   | 115.687      |
| 2014/05/20 | 16:53:35 | 0.1917          | 249.473   | 115.898      |
| 2014/05/20 | 16:54:05 | 0.2000          | 249.456   | 116.062      |
| 2014/05/20 | 16:54:35 | 0.2083          | 249.474   | 116.197      |
| 2014/05/20 | 16:55:05 | 0.2167          | 249.490   | 116.319      |
| 2014/05/20 | 16:55:35 | 0.2250          | 249.500   | 116.422      |
| 2014/05/20 | 16:56:05 | 0.2333          | 249.501   | 116.514      |
| 2014/05/20 | 16:56:35 | 0.2417          | 249.503   | 116.586      |
| 2014/05/20 | 16:57:05 | 0.2500          | 249.503   | 116.652      |
| 2014/05/20 | 16:57:35 | 0.2583          | 249.499   | 116.708      |
| 2014/05/20 | 16:58:05 | 0.2667          | 249.474   | 116.758      |
| 2014/05/20 | 16:58:35 | 0.2750          | 249.479   | 116.807      |
| 2014/05/20 | 16:59:05 | 0.2833          | 249.488   | 116.847      |
| 2014/05/20 | 16:59:35 | 0.2917          | 249.478   | 116.886      |
| 2014/05/20 | 17:00:05 | 0.3000          | 249.473   | 116.935      |
| 2014/05/20 | 17:00:35 | 0.3083          | 249.479   | 116.973      |
| 2014/05/20 | 17:01:05 | 0.3167          | 249.470   | 117.000      |
| 2014/05/20 | 17:01:35 | 0.3250          | 249.458   | 117.027      |
| 2014/05/20 | 17:02:05 | 0.3333          | 249.476   | 117.057      |
| 2014/05/20 | 17:02:35 | 0.3417          | 249.479   | 117.077      |
| 2014/05/20 | 17:03:05 | 0.3500          | 249.505   | 117.097      |
| 2014/05/20 | 17:03:35 | 0.3583          | 249.499   | 117.117      |
| 2014/05/20 | 17:04:05 | 0.3667          | 249.493   | 117.142      |
| 2014/05/20 | 17:04:35 | 0.3750          | 249.491   | 117.171      |
| 2014/05/20 | 17:05:05 | 0.3833          | 249.479   | 117.183      |
| 2014/05/20 | 17:05:35 | 0.3917          | 249.472   | 117.198      |
| 2014/05/20 | 17:06:05 | 0.4000          | 249.461   | 117.212      |
| 2014/05/20 | 17:06:35 | 0.4083          | 249.462   | 117.221      |

| Date       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|------------|----------|-----------------|-----------|--------------|
|            |          | hr              | psig      | deg F        |
| 2014/05/20 | 17:07:05 | 0.4167          | 249.462   | 117.243      |
| 2014/05/20 | 17:07:35 | 0.4250          | 249.465   | 117.261      |
| 2014/05/20 | 17:08:05 | 0.4333          | 249.464   | 117.277      |
| 2014/05/20 | 17:08:35 | 0.4417          | 249.460   | 117.291      |
| 2014/05/20 | 17:09:05 | 0.4500          | 249.452   | 117.298      |
| 2014/05/20 | 17:09:35 | 0.4583          | 249.457   | 117.313      |
| 2014/05/20 | 17:10:05 | 0.4667          | 249.456   | 117.325      |
| 2014/05/20 | 17:10:35 | 0.4750          | 249.462   | 117.342      |
| 2014/05/20 | 17:11:05 | 0.4833          | 249.476   | 117.347      |
| 2014/05/20 | 17:11:35 | 0.4917          | 249.471   | 117.360      |
| 2014/05/20 | 17:12:05 | 0.5000          | 249.479   | 117.367      |
| 2014/05/20 | 17:12:35 | 0.5083          | 249.477   | 117.372      |
| 2014/05/20 | 17:13:05 | 0.5167          | 249.469   | 117.385      |
| 2014/05/20 | 17:13:35 | 0.5250          | 249.453   | 117.390      |
| 2014/05/20 | 17:14:05 | 0.5333          | 249.451   | 117.401      |
| 2014/05/20 | 17:14:35 | 0.5417          | 249.445   | 117.403      |
| 2014/05/20 | 17:15:05 | 0.5500          | 249.449   | 117.408      |
| 2014/05/20 | 17:15:35 | 0.5583          | 249.464   | 117.421      |
| 2014/05/20 | 17:16:05 | 0.5667          | 249.459   | 117.428      |
| 2014/05/20 | 17:16:35 | 0.5750          | 249.459   | 117.430      |
| 2014/05/20 | 17:17:05 | 0.5833          | 249.460   | 117.437      |
| 2014/05/20 | 17:17:35 | 0.5917          | 249.461   | 117.442      |
| 2014/05/20 | 17:18:05 | 0.6000          | 249.465   | 117.448      |
| 2014/05/20 | 17:18:35 | 0.6083          | 249.453   | 117.451      |
| 2014/05/20 | 17:19:05 | 0.6167          | 249.451   | 117.459      |
| 2014/05/20 | 17:19:35 | 0.6250          | 249.458   | 117.460      |
| 2014/05/20 | 17:20:05 | 0.6333          | 249.455   | 117.466      |
| 2014/05/20 | 17:20:35 | 0.6417          | 249.460   | 117.475      |
| 2014/05/20 | 17:21:05 | 0.6500          | 249.459   | 117.469      |
| 2014/05/20 | 17:21:35 | 0.6583          | 249.447   | 117.475      |
| 2014/05/20 | 17:22:05 | 0.6667          | 249.445   | 117.484      |
| 2014/05/20 | 17:22:35 | 0.6750          | 249.445   | 117.487      |
| 2014/05/20 | 17:23:05 | 0.6833          | 249.441   | 117.482      |
| 2014/05/20 | 17:23:35 | 0.6917          | 249.443   | 117.493      |
| 2014/05/20 | 17:24:05 | 0.7000          | 249.456   | 117.495      |
| 2014/05/20 | 17:24:35 | 0.7083          | 249.463   | 117.496      |
| 2014/05/20 | 17:25:05 | 0.7167          | 249.478   | 117.502      |
| 2014/05/20 | 17:25:35 | 0.7250          | 249.465   | 117.511      |
| 2014/05/20 | 17:26:05 | 0.7333          | 249.458   | 117.507      |
| 2014/05/20 | 17:26:35 | 0.7417          | 249.459   | 117.509      |
| 2014/05/20 | 17:27:05 | 0.7500          | 249.469   | 117.509      |
| 2014/05/20 | 17:27:35 | 0.7583          | 249.460   | 117.514      |
| 2014/05/20 | 17:28:05 | 0.7667          | 249.460   | 117.518      |
| 2014/05/20 | 17:28:35 | 0.7750          | 249.444   | 117.518      |
| 2014/05/20 | 17:29:05 | 0.7833          | 249.454   | 117.522      |
| 2014/05/20 | 17:29:35 | 0.7917          | 249.444   | 117.522      |
| 2014/05/20 | 17:30:05 | 0.8000          | 249.434   | 117.518      |
| 2014/05/20 | 17:30:35 | 0.8083          | 249.448   | 117.522      |
| 2014/05/20 | 17:31:05 | 0.8167          | 249.438   | 117.522      |
| 2014/05/20 | 17:31:35 | 0.8250          | 249.442   | 117.529      |

Company Name CONOCOPHILLIPS  
Well Name ALLISON UNIT 1 POW  
Type of Test POOH STATIC GRADIENT  
Date(s) of Test MAY 20, 2014

| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2014/05/20                 | 17:32:05 | 0.8333          | 249.432   | 117.531      |
| 2014/05/20                 | 17:32:35 | 0.8417          | 249.425   | 117.525      |
| 2014/05/20                 | 17:33:05 | 0.8500          | 249.430   | 117.534      |
| 2014/05/20                 | 17:33:35 | 0.8583          | 249.433   | 117.532      |
| 2014/05/20                 | 17:34:05 | 0.8667          | 249.440   | 117.538      |
| 2014/05/20                 | 17:34:35 | 0.8750          | 249.441   | 117.541      |
| 2014/05/20                 | 17:35:05 | 0.8833          | 249.447   | 117.540      |
| 2014/05/20                 | 17:35:35 | 0.8917          | 249.440   | 117.536      |
| 2014/05/20                 | 17:36:05 | 0.9000          | 249.430   | 117.538      |
| 2014/05/20                 | 17:36:35 | 0.9083          | 249.438   | 117.541      |
| 2014/05/20                 | 17:37:05 | 0.9167          | 249.452   | 117.549      |
| 2014/05/20                 | 17:37:35 | 0.9250          | 249.449   | 117.549      |
| 2014/05/20                 | 17:38:05 | 0.9333          | 249.448   | 117.543      |
| 2014/05/20                 | 17:38:35 | 0.9417          | 249.452   | 117.547      |
| 2014/05/20                 | 17:39:05 | 0.9500          | 249.456   | 117.552      |
| 2014/05/20                 | 17:39:35 | 0.9583          | 249.451   | 117.545      |
| 2014/05/20                 | 17:40:05 | 0.9667          | 249.452   | 117.552      |
| 2014/05/20                 | 17:40:35 | 0.9750          | 249.449   | 117.552      |
| 2014/05/20                 | 17:41:05 | 0.9833          | 249.446   | 117.552      |
| 2014/05/20                 | 17:41:35 | 0.9917          | 249.437   | 117.559      |
| 2014/05/20                 | 17:42:05 | 1.0000          | 249.437   | 117.561      |
| 2014/05/20                 | 17:42:35 | 1.0083          | 249.423   | 117.556      |
| 2014/05/20                 | 17:43:05 | 1.0167          | 249.414   | 117.561      |
| 2014/05/20                 | 17:43:35 | 1.0250          | 249.414   | 117.558      |
| 2014/05/20                 | 17:44:05 | 1.0333          | 249.416   | 117.552      |
| 2014/05/20                 | 17:44:35 | 1.0417          | 249.417   | 117.558      |
| 2014/05/20                 | 17:45:05 | 1.0500          | 249.417   | 117.556      |
| 2014/05/20                 | 17:45:35 | 1.0583          | 249.411   | 117.561      |
| 2014/05/20                 | 17:46:05 | 1.0667          | 249.417   | 117.559      |
| 2014/05/20                 | 17:46:35 | 1.0750          | 249.421   | 117.561      |
| 2014/05/20                 | 17:47:05 | 1.0833          | 249.430   | 117.556      |
| 2014/05/20                 | 17:47:35 | 1.0917          | 249.438   | 117.563      |
| 2014/05/20                 | 17:48:05 | 1.1000          | 249.437   | 117.559      |
| 2014/05/20                 | 17:48:35 | 1.1083          | 249.462   | 117.570      |
| POOH Gradient: 3089.000 ft |          |                 |           |              |
| 2014/05/20                 | 17:48:45 | 1.1111          | 249.464   | 117.565      |
| 2014/05/20                 | 17:49:05 | 1.1167          | 238.253   | 117.477      |
| 2014/05/20                 | 17:49:35 | 1.1250          | 237.938   | 117.131      |
| 2014/05/20                 | 17:50:05 | 1.1333          | 237.925   | 116.971      |
| 2014/05/20                 | 17:50:35 | 1.1417          | 237.921   | 116.856      |
| 2014/05/20                 | 17:51:05 | 1.1500          | 237.922   | 116.749      |
| 2014/05/20                 | 17:51:35 | 1.1583          | 237.904   | 116.650      |
| 2014/05/20                 | 17:52:05 | 1.1667          | 237.895   | 116.564      |
| 2014/05/20                 | 17:52:35 | 1.1750          | 237.891   | 116.469      |
| 2014/05/20                 | 17:53:05 | 1.1833          | 237.889   | 116.388      |
| 2014/05/20                 | 17:53:35 | 1.1917          | 237.888   | 116.308      |
| 2014/05/20                 | 17:54:05 | 1.2000          | 237.886   | 116.226      |
| POOH Gradient: 3000.000 ft |          |                 |           |              |
| 2014/05/20                 | 17:54:30 | 1.2069          | 237.875   | 116.148      |
| 2014/05/20                 | 17:54:35 | 1.2083          | 237.843   | 116.134      |

| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2014/05/20                 | 17:55:05 | 1.2167          | 237.268   | 115.758      |
| 2014/05/20                 | 17:55:35 | 1.2250          | 236.781   | 115.120      |
| 2014/05/20                 | 17:56:05 | 1.2333          | 236.225   | 114.291      |
| 2014/05/20                 | 17:56:35 | 1.2417          | 235.485   | 112.894      |
| 2014/05/20                 | 17:57:05 | 1.2500          | 235.454   | 112.249      |
| 2014/05/20                 | 17:57:35 | 1.2583          | 235.411   | 111.965      |
| 2014/05/20                 | 17:58:05 | 1.2667          | 235.386   | 111.720      |
| 2014/05/20                 | 17:58:35 | 1.2750          | 235.368   | 111.493      |
| 2014/05/20                 | 17:59:05 | 1.2833          | 235.345   | 111.285      |
| 2014/05/20                 | 17:59:35 | 1.2917          | 235.319   | 111.072      |
| 2014/05/20                 | 18:00:05 | 1.3000          | 235.300   | 110.889      |
| 2014/05/20                 | 18:00:35 | 1.3083          | 235.289   | 110.691      |
| 2014/05/20                 | 18:01:05 | 1.3167          | 235.287   | 110.514      |
| 2014/05/20                 | 18:01:35 | 1.3250          | 235.276   | 110.338      |
| 2014/05/20                 | 18:02:05 | 1.3333          | 235.223   | 110.147      |
| POOH Gradient: 2500.000 ft |          |                 |           |              |
| 2014/05/20                 | 18:02:10 | 1.3347          | 235.028   | 110.037      |
| 2014/05/20                 | 18:02:35 | 1.3417          | 233.800   | 108.619      |
| 2014/05/20                 | 18:03:05 | 1.3500          | 232.833   | 105.841      |
| 2014/05/20                 | 18:03:35 | 1.3583          | 232.894   | 104.932      |
| 2014/05/20                 | 18:04:05 | 1.3667          | 232.842   | 104.488      |
| 2014/05/20                 | 18:04:35 | 1.3750          | 232.805   | 104.131      |
| 2014/05/20                 | 18:05:05 | 1.3833          | 232.764   | 103.797      |
| 2014/05/20                 | 18:05:35 | 1.3917          | 232.768   | 103.482      |
| 2014/05/20                 | 18:06:05 | 1.4000          | 232.743   | 103.192      |
| 2014/05/20                 | 18:06:35 | 1.4083          | 232.734   | 102.898      |
| 2014/05/20                 | 18:07:05 | 1.4167          | 232.741   | 102.630      |
| 2014/05/20                 | 18:07:35 | 1.4250          | 232.723   | 102.373      |
| POOH Gradient: 2000.000 ft |          |                 |           |              |
| 2014/05/20                 | 18:07:50 | 1.4292          | 232.713   | 102.243      |
| 2014/05/20                 | 18:08:05 | 1.4333          | 232.608   | 102.087      |
| 2014/05/20                 | 18:08:35 | 1.4417          | 231.237   | 100.139      |
| 2014/05/20                 | 18:09:05 | 1.4500          | 230.282   | 96.993       |
| 2014/05/20                 | 18:09:35 | 1.4583          | 230.262   | 96.003       |
| 2014/05/20                 | 18:10:05 | 1.4667          | 230.211   | 95.531       |
| 2014/05/20                 | 18:10:35 | 1.4750          | 230.166   | 95.142       |
| 2014/05/20                 | 18:11:05 | 1.4833          | 230.129   | 94.786       |
| 2014/05/20                 | 18:11:35 | 1.4917          | 230.100   | 94.446       |
| 2014/05/20                 | 18:12:05 | 1.5000          | 230.084   | 94.129       |
| 2014/05/20                 | 18:12:35 | 1.5083          | 230.101   | 93.826       |
| 2014/05/20                 | 18:13:05 | 1.5167          | 230.101   | 93.533       |
| POOH Gradient: 1500.000 ft |          |                 |           |              |
| 2014/05/20                 | 18:13:25 | 1.5222          | 230.055   | 93.337       |
| 2014/05/20                 | 18:13:35 | 1.5250          | 229.683   | 93.020       |
| 2014/05/20                 | 18:14:05 | 1.5333          | 228.376   | 90.622       |
| 2014/05/20                 | 18:14:35 | 1.5417          | 227.738   | 87.733       |
| 2014/05/20                 | 18:15:05 | 1.5500          | 227.688   | 86.880       |
| 2014/05/20                 | 18:15:35 | 1.5583          | 227.643   | 86.437       |
| 2014/05/20                 | 18:16:05 | 1.5667          | 227.591   | 86.063       |
| 2014/05/20                 | 18:16:35 | 1.5750          | 227.558   | 85.716       |



Company Name CONOCOPHILLIPS  
 Well Name ALLISON UNIT 1 POW  
 Type of Test POOH STATIC GRADIENT  
 Date(s) of Test MAY 20, 2014

| Date                       | Time     | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|----------------------------|----------|-----------------|-----------|--------------|
|                            |          | hr              | psig      | deg F        |
| 2014/05/20                 | 18:17:05 | 1.5833          | 227.533   | 85.379       |
| 2014/05/20                 | 18:17:35 | 1.5917          | 227.514   | 85.069       |
| 2014/05/20                 | 18:18:05 | 1.6000          | 227.502   | 84.765       |
| 2014/05/20                 | 18:18:35 | 1.6083          | 227.495   | 84.475       |
| 2014/05/20                 | 18:19:05 | 1.6167          | 227.505   | 84.198       |
| 2014/05/20                 | 18:19:35 | 1.6250          | 227.528   | 83.928       |
| POOH Gradient: 1000.000 ft |          |                 |           |              |
| 2014/05/20                 | 18:20:00 | 1.6319          | 227.440   | 83.710       |
| 2014/05/20                 | 18:20:05 | 1.6333          | 227.310   | 83.617       |
| 2014/05/20                 | 18:20:35 | 1.6417          | 226.166   | 81.732       |
| 2014/05/20                 | 18:21:05 | 1.6500          | 225.183   | 79.043       |
| 2014/05/20                 | 18:21:35 | 1.6583          | 225.090   | 77.378       |
| 2014/05/20                 | 18:22:05 | 1.6667          | 225.034   | 76.849       |
| 2014/05/20                 | 18:22:35 | 1.6750          | 225.000   | 76.456       |
| 2014/05/20                 | 18:23:05 | 1.6833          | 224.965   | 76.095       |
| 2014/05/20                 | 18:23:35 | 1.6917          | 224.937   | 75.754       |
| 2014/05/20                 | 18:24:05 | 1.7000          | 224.912   | 75.432       |
| 2014/05/20                 | 18:24:35 | 1.7083          | 224.896   | 75.124       |
| 2014/05/20                 | 18:25:05 | 1.7167          | 224.887   | 74.824       |
| 2014/05/20                 | 18:25:35 | 1.7250          | 224.886   | 74.534       |
| 2014/05/20                 | 18:26:05 | 1.7333          | 224.874   | 74.266       |
| 2014/05/20                 | 18:26:35 | 1.7417          | 224.691   | 73.886       |
| POOH Gradient: 500.000 ft  |          |                 |           |              |
| 2014/05/20                 | 18:26:40 | 1.7431          | 224.650   | 73.699       |
| 2014/05/20                 | 18:27:05 | 1.7500          | 223.845   | 72.250       |
| 2014/05/20                 | 18:27:35 | 1.7583          | 222.815   | 69.958       |
| 2014/05/20                 | 18:28:05 | 1.7667          | 222.434   | 68.180       |
| 2014/05/20                 | 18:28:35 | 1.7750          | 222.411   | 68.004       |
| 2014/05/20                 | 18:29:05 | 1.7833          | 222.398   | 68.031       |
| 2014/05/20                 | 18:29:35 | 1.7917          | 222.360   | 68.083       |
| 2014/05/20                 | 18:30:05 | 1.8000          | 222.341   | 68.142       |
| 2014/05/20                 | 18:30:35 | 1.8083          | 222.315   | 68.198       |
| 2014/05/20                 | 18:31:05 | 1.8167          | 222.302   | 68.261       |
| 2014/05/20                 | 18:31:35 | 1.8250          | 222.262   | 68.322       |
| 2014/05/20                 | 18:32:05 | 1.8333          | 222.262   | 68.389       |
| 2014/05/20                 | 18:32:35 | 1.8417          | 222.262   | 68.450       |
| 2014/05/20                 | 18:33:05 | 1.8500          | 222.268   | 68.513       |
| 2014/05/20                 | 18:33:35 | 1.8583          | 222.254   | 68.571       |
| POOH Gradient: 0.000 ft    |          |                 |           |              |
| 2014/05/20                 | 18:33:45 | 1.8611          | 222.255   | 68.643       |
| 2014/05/20                 | 18:34:05 | 1.8667          | 0.000     | 68.659       |
| 2014/05/20                 | 18:34:35 | 1.8750          | 0.000     | 67.707       |
| 2014/05/20                 | 18:35:05 | 1.8833          | 0.000     | 67.563       |
| 2014/05/20                 | 18:35:35 | 1.8917          | 0.000     | 67.723       |
| 2014/05/20                 | 18:36:05 | 1.9000          | 0.000     | 68.466       |
| 2014/05/20                 | 18:36:35 | 1.9083          | 0.000     | 69.078       |
| 2014/05/20                 | 18:37:05 | 1.9167          | 0.000     | 69.510       |
| 2014/05/20                 | 18:37:35 | 1.9250          | 0.000     | 69.847       |
| 2014/05/20                 | 18:38:05 | 1.9333          | 0.000     | 70.178       |
| 2014/05/20                 | 18:38:35 | 1.9417          | 0.000     | 70.360       |

| Date | Time | Cum.Time<br>BH1 | BH Pres 1 | BH Temp<br>1 |
|------|------|-----------------|-----------|--------------|
|      |      | hr              | psig      | deg F        |