

Pressure Test Report

COMPANY INFORMATION

Company Name	CHEVRON
Representative	NICK SHERMAN
Phone	
Fax	
Address	

E-Mail Address	
Service Company	PHOENIX SERVICES

WELL INFORMATION

Well Name	RIH STATIC GRADIENT
Well Location	T33N, R11W, SEC. 16
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	1433-1802
Mid-point of Perforated Intervals (MPP)	1618
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	
Plug Back Total Depth	2560
Total Depth	
Production Casing	5 1/2
Production Tubing	2 7/8 TO 1723

TEST INFORMATION

Type of Test	RIH GRADIENT
Date(s) of Test	4/27/15
Dead-weight Gauge Tubing Pressure	200
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	4/27/15 @ 1419 HRS
Date / Time off Bottom	4/27/15 @ 1424 HRS
Probe Serial Number	5519
Probe Offset from End of Tool String	0-10000
Run Depth at Probe Pressure Port	1700

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	285.6 psig
Maximum Recorded Probe Temperature	94.1 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	34864WP

Company Name	CHEVRON
Well Name	RIH STATIC GRADIENT
Type of Test	RIH GRADIENT
Date(s) of Test	4/27/15

PROBE INFORMATION

Probe Serial Number 5519

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>
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Program Start Time

Program End Time

Total Samples Taken

Usage for this Test

Generic Data File Name

Company Name	CHEVRON
Well Name	RIH STATIC GRADIENT
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Date(s) of Test	4/27/15

COMMENTS

Reported By

PHOENIX SERVICES

RAN 1.906 GR TO 1715'-SET DOWN-RAN TANDEM BHP GAUGES TO 1700' MAKING GRADIENT STOPS.

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Pressure vs. Depth

Probe Serial Number 5519

Stop Time From	Stop Time To	Depth (ft)	Pressure (psig)	Gradient (psi/ft)	(deg F)	(deg F/ft)
1401	1406	0.000	195.526	-	75.177	-
1406	1412	1000.000	199.414	0.0039	67.501	-0.0077
1413	1418	1500.000	201.117	0.0034	78.121	0.0212
1419	1424	1700.000	285.444	0.4216	94.048	0.0796

Extrapolated to MPP:

Depth
(ft)

Pressure
(psig)

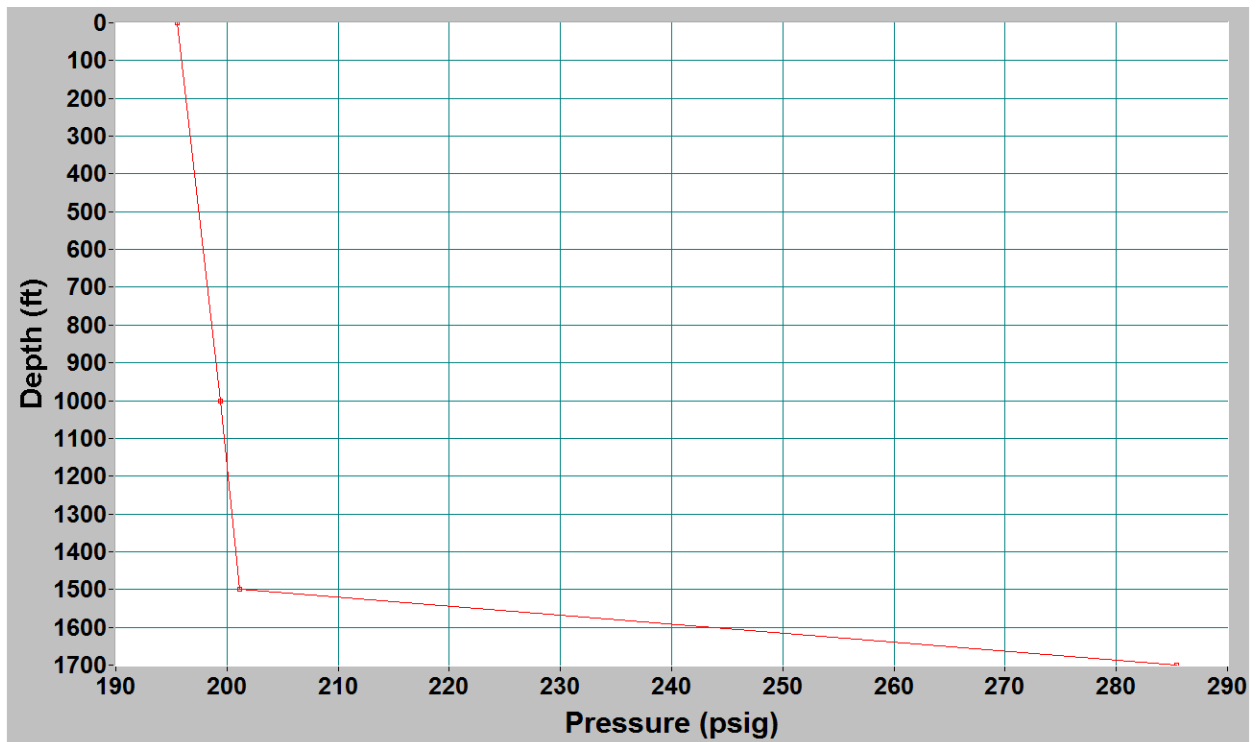
(deg F)

0.000

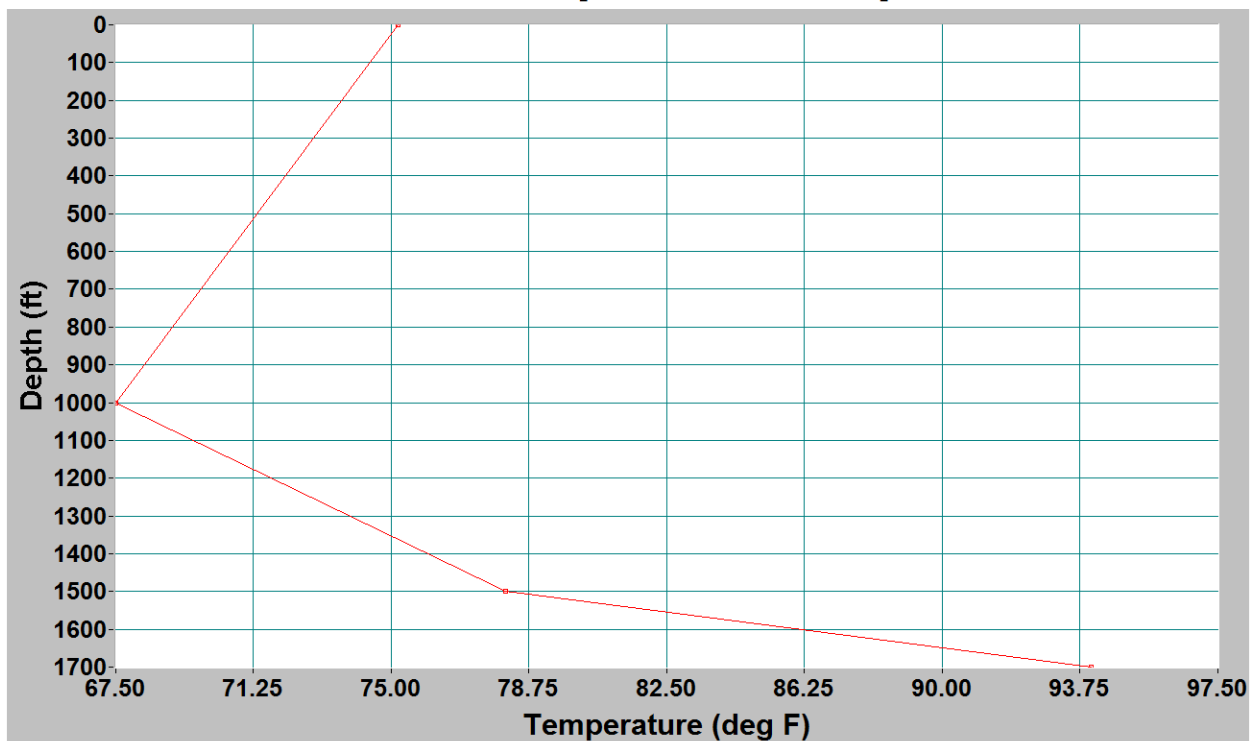
Company Name CHEVRON
Well Name RIH STATIC GRADIENT
Type of Test RIH GRADIENT
Date(s) of Test 4/27/15

Probe Serial Number 5519

RIH Gradient Depth vs. Pressure

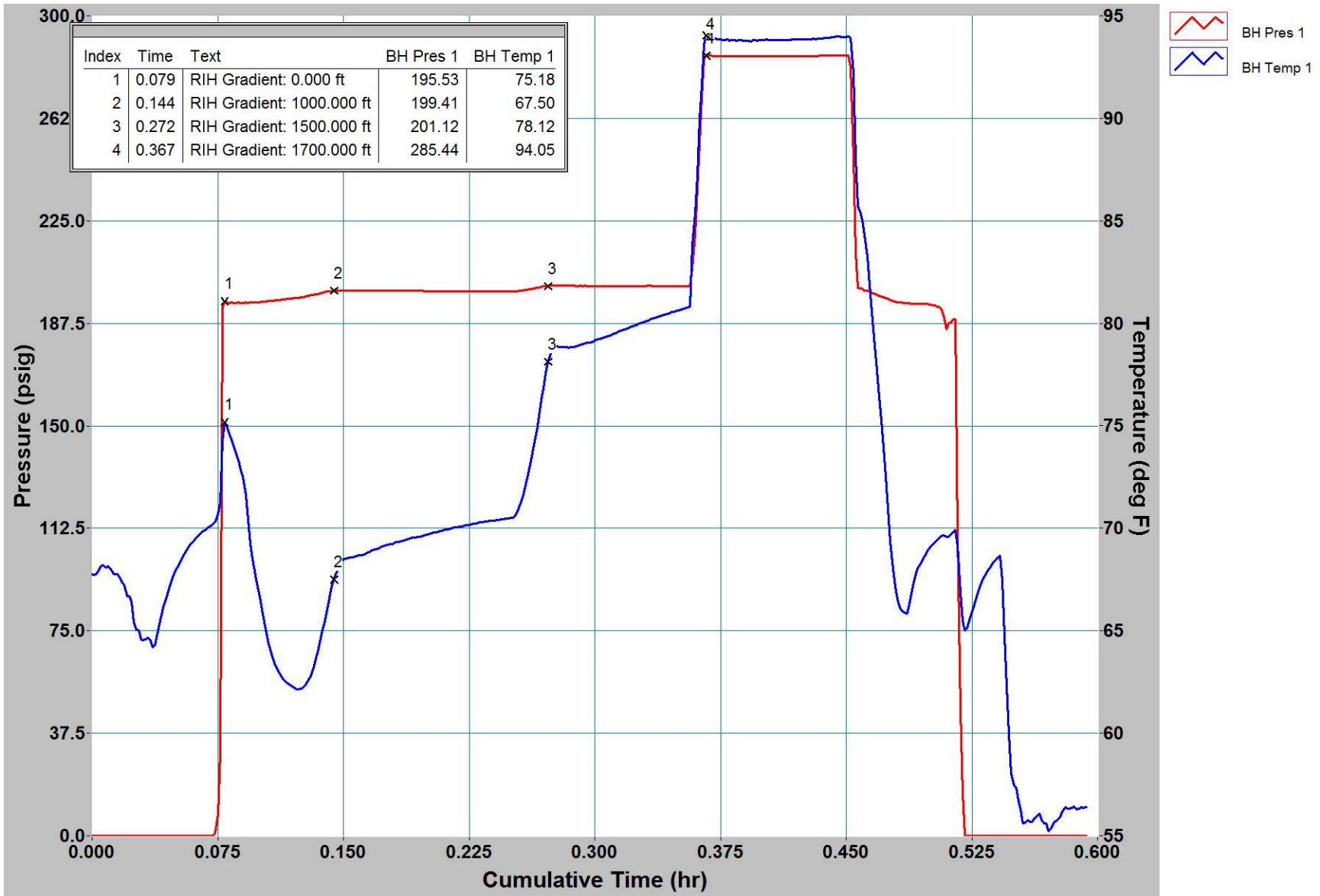


RIH Gradient Depth vs. Temperature



Company Name CHEVRON
Well Name RIH STATIC GRADIENT
Type of Test RIH GRADIENT
Date(s) of Test 4/27/15

Southern Ute 16-1



Company Name CHEVRON
Well Name RIH STATIC GRADIENT
Type of Test RIH GRADIENT
Date(s) of Test 4/27/15

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2015/04/27	13:57:05	0.0000	0.000	67.779
2015/04/27	13:57:35	0.0083	0.000	68.092
2015/04/27	13:58:05	0.0167	0.000	67.577
2015/04/27	13:58:35	0.0250	0.000	65.442
2015/04/27	13:59:05	0.0333	0.000	64.652
2015/04/27	13:59:35	0.0417	0.000	65.808
2015/04/27	14:00:05	0.0500	0.000	67.942
2015/04/27	14:00:35	0.0583	0.000	69.145
2015/04/27	14:01:05	0.0667	0.000	69.870
2015/04/27	14:01:35	0.0750	7.695	70.682
RIH Gradient: 0.000 ft				
2015/04/27	14:01:50	0.0792	195.526	75.177
2015/04/27	14:02:05	0.0833	195.048	74.282
2015/04/27	14:02:35	0.0917	195.041	71.625
2015/04/27	14:03:05	0.1000	195.288	66.652
2015/04/27	14:03:35	0.1083	195.784	63.518
2015/04/27	14:04:05	0.1167	196.499	62.433
2015/04/27	14:04:35	0.1250	197.023	62.195
2015/04/27	14:05:05	0.1333	198.053	63.565
2015/04/27	14:05:35	0.1417	199.165	66.625
RIH Gradient: 1000.000 ft				
2015/04/27	14:05:45	0.1444	199.414	67.501
2015/04/27	14:06:05	0.1500	199.512	68.484
2015/04/27	14:06:35	0.1583	199.548	68.655
2015/04/27	14:07:05	0.1667	199.466	68.893
2015/04/27	14:07:35	0.1750	199.428	69.152
2015/04/27	14:08:05	0.1833	199.413	69.346
2015/04/27	14:08:35	0.1917	199.375	69.539
2015/04/27	14:09:05	0.2000	199.312	69.687
2015/04/27	14:09:35	0.2083	199.212	69.858
2015/04/27	14:10:05	0.2167	199.216	70.034
2015/04/27	14:10:35	0.2250	199.212	70.162
2015/04/27	14:11:05	0.2333	199.191	70.317
2015/04/27	14:11:35	0.2417	199.151	70.398
2015/04/27	14:12:05	0.2500	199.142	70.502
2015/04/27	14:12:35	0.2583	199.628	72.000
2015/04/27	14:13:05	0.2667	200.649	75.499
RIH Gradient: 1500.000 ft				
2015/04/27	14:13:25	0.2722	201.117	78.121
2015/04/27	14:13:35	0.2750	201.259	78.811
2015/04/27	14:14:05	0.2833	201.267	78.827
2015/04/27	14:14:35	0.2917	201.210	78.939
2015/04/27	14:15:05	0.3000	201.198	79.169
2015/04/27	14:15:35	0.3083	201.148	79.380
2015/04/27	14:16:05	0.3167	201.160	79.669
2015/04/27	14:16:35	0.3250	201.176	79.930
2015/04/27	14:17:05	0.3333	201.213	80.195
2015/04/27	14:17:35	0.3417	201.144	80.420
2015/04/27	14:18:05	0.3500	201.125	80.636
2015/04/27	14:18:35	0.3583	207.792	83.829

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
RIH Gradient: 1700.000 ft				
2015/04/27	14:19:05	0.3667	285.444	94.048
2015/04/27	14:19:35	0.3750	285.279	93.859
2015/04/27	14:20:05	0.3833	285.291	93.821
2015/04/27	14:20:35	0.3917	285.245	93.796
2015/04/27	14:21:05	0.4000	285.224	93.823
2015/04/27	14:21:35	0.4083	285.294	93.814
2015/04/27	14:22:05	0.4167	285.324	93.826
2015/04/27	14:22:35	0.4250	285.338	93.862
2015/04/27	14:23:05	0.4333	285.388	93.879
2015/04/27	14:23:35	0.4417	285.421	93.960
2015/04/27	14:24:05	0.4500	285.462	93.981
2015/04/27	14:24:35	0.4583	200.278	85.465
2015/04/27	14:25:05	0.4667	198.483	79.320
2015/04/27	14:25:35	0.4750	196.403	70.984
2015/04/27	14:26:05	0.4833	195.050	65.984
2015/04/27	14:26:35	0.4917	194.703	67.759
2015/04/27	14:27:05	0.5000	194.472	69.053
2015/04/27	14:27:35	0.5083	190.289	69.663
2015/04/27	14:28:05	0.5167	109.910	69.157
2015/04/27	14:28:35	0.5250	0.000	65.926
2015/04/27	14:29:05	0.5333	0.000	67.791
2015/04/27	14:29:35	0.5417	0.000	68.639
2015/04/27	14:30:05	0.5500	0.000	57.461
2015/04/27	14:30:35	0.5583	0.000	55.742
2015/04/27	14:31:05	0.5667	0.000	55.749
2015/04/27	14:31:35	0.5750	0.000	55.708
2015/04/27	14:32:05	0.5833	0.000	56.329
2015/04/27	14:32:35	0.5917	0.000	56.350