

SAN JUAN 32-7 UNIT 203 *BP*
30-045-27458

NMOCD

MAY 22 2013

DISTRICT III

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 32-7 UNIT #203
Well Location	T32N, R7W, SEC 22
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3205-3240
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	13
Casing Flange (CF)	
KB-CF	
Ground Level	6624
Plug Back Total Depth	3305
Total Depth	3349
Production Casing	7 TO 3349
Production Tubing	2 7/8 TO 3288

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/15/19
Dead-weight Gauge Tubing Pressure	55
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	05/16/19 1252
Date / Time off Bottom	05/16/19 1352
Probe Serial Number	70025
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3200

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	61.9 psig
Maximum Recorded Probe Temperature	114.5 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name HILCORP
Well Name SAN JUAN 32-7 UNIT #203
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/15/19



PROBE INFORMATION

Probe Serial Number 70025
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	HILCORP
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COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC

RIH WITH 1.50 IB AND TAGGED FILL @3301 WLM. RIH WITH BHP GAUGE TO 3200 FOR 1 HOUR, THEN POOH MAKING 5 SECOND STOPS PER REQUEST.

Company Name HILCORP
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Pressure vs. Depth

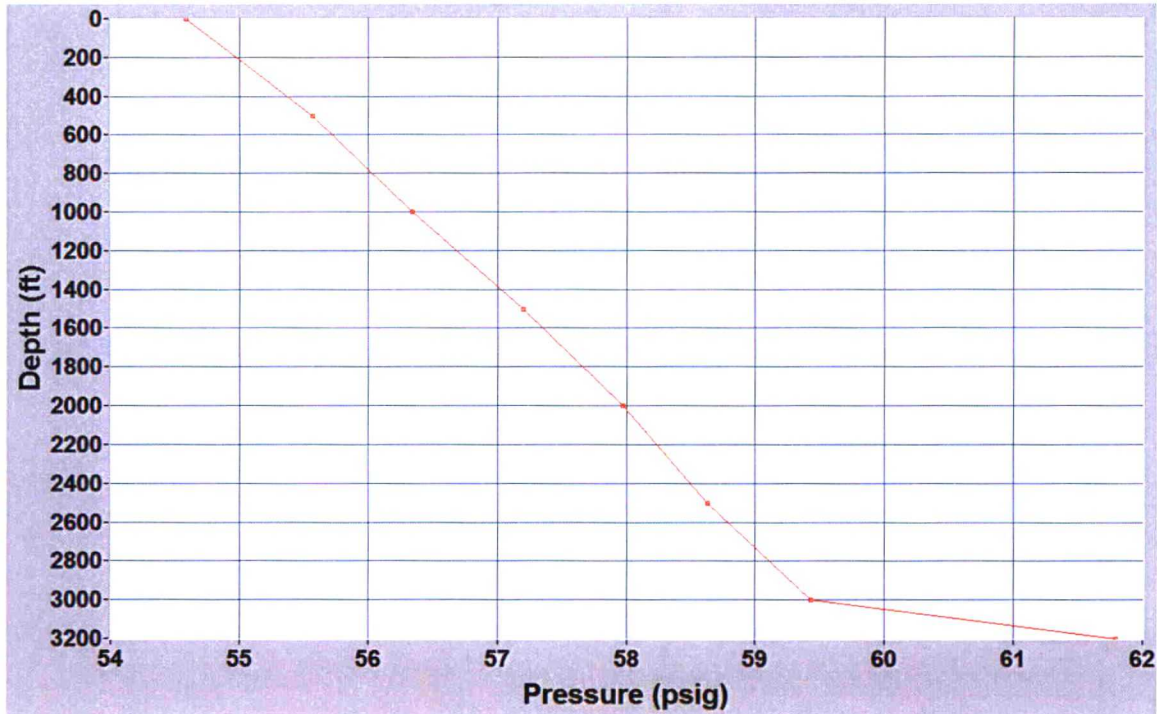
Probe Serial Number 70025

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1252	1352	3200.000	61.790	-	102.272	-
1352	1357	3000.000	59.435	0.0118	113.918	-0.0582
1359	1404	2500.000	58.630	0.0016	110.084	0.0077
1406	1411	2000.000	57.974	0.0013	102.236	0.0157
1412	1417	1500.000	57.203	0.0015	93.812	0.0168
1419	1424	1000.000	56.346	0.0017	85.280	0.0171
1425	1430	500.000	55.573	0.0015	77.594	0.0154
1431	1436	0.000	54.588	0.0020	69.278	0.0166

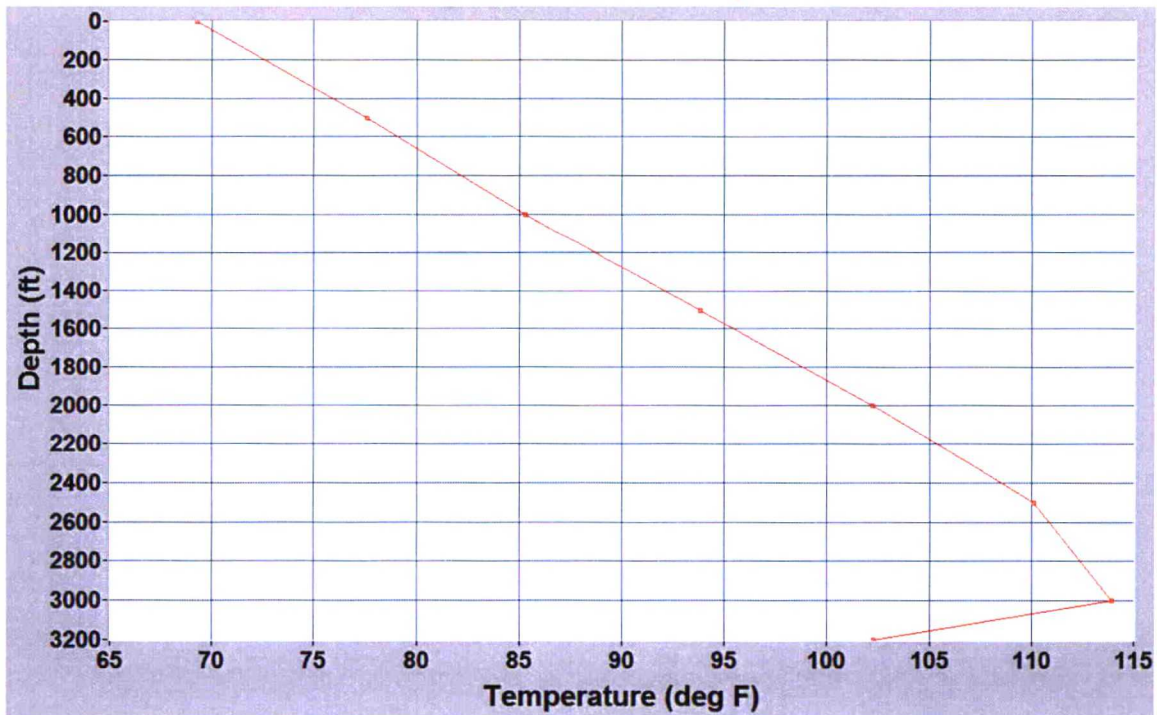
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

70025 Depth vs. Pressure



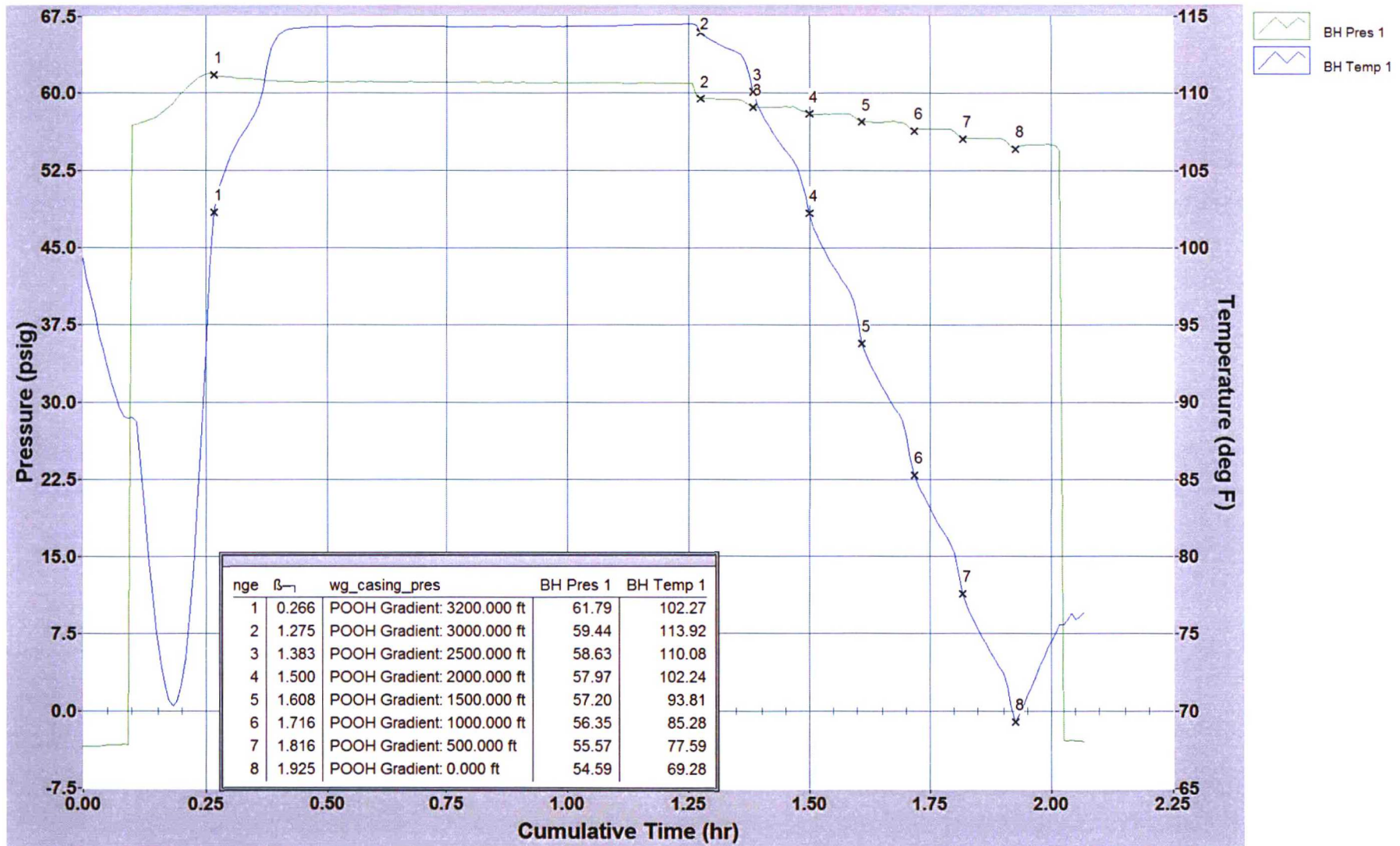
70025 Depth vs. Temperature



Company Name HILCORP
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SAN JUAN 32-7 UNIT #203



Company Name HILCORP
Well Name SAN JUAN 32-7 UNIT #203
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/15/19



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/05/15	12:36:21	0.0000	-3.472	99.302
2019/05/15	12:36:50	0.0081	-3.472	97.916
2019/05/15	12:37:50	0.0247	-3.462	95.648
2019/05/15	12:38:50	0.0414	-3.368	93.272
2019/05/15	12:39:50	0.0581	-3.287	91.202
2019/05/15	12:40:50	0.0747	-3.304	89.546
2019/05/15	12:41:50	0.0914	-3.282	88.952
2019/05/15	12:42:50	0.1081	56.948	88.718
2019/05/15	12:43:50	0.1247	57.248	83.030
2019/05/15	12:44:50	0.1414	57.515	77.378
2019/05/15	12:45:50	0.1581	57.973	73.112
2019/05/15	12:46:50	0.1747	58.608	70.664
2019/05/15	12:47:50	0.1914	59.460	70.628
2019/05/15	12:48:50	0.2081	60.343	73.454
2019/05/15	12:49:50	0.2247	61.086	79.358
2019/05/15	12:50:50	0.2414	61.609	88.250
2019/05/15	12:51:50	0.2581	61.918	98.618
POOH Gradient: 3200.000 ft				
2019/05/15	12:52:20	0.2664	61.790	102.272
2019/05/15	12:53:20	0.2831	61.605	104.432
2019/05/15	12:54:20	0.2997	61.526	105.872
2019/05/15	12:55:20	0.3164	61.444	106.934
2019/05/15	12:56:20	0.3331	61.402	107.762
2019/05/15	12:57:20	0.3497	61.358	108.644
2019/05/15	12:58:20	0.3664	61.277	110.192
2019/05/15	12:59:20	0.3831	61.220	112.856
2019/05/15	13:00:20	0.3997	61.151	113.774
2019/05/15	13:01:20	0.4164	61.112	114.098
2019/05/15	13:02:20	0.4331	61.075	114.206
2019/05/15	13:03:20	0.4497	61.083	114.242
2019/05/15	13:04:20	0.4664	61.112	114.278
2019/05/15	13:05:20	0.4831	61.100	114.296
2019/05/15	13:06:20	0.4997	61.115	114.296
2019/05/15	13:07:20	0.5164	61.086	114.314
2019/05/15	13:07:50	0.5247	61.084	114.314
2019/05/15	13:08:50	0.5414	61.119	114.332
2019/05/15	13:09:50	0.5581	61.083	114.314
2019/05/15	13:10:50	0.5747	61.106	114.314
2019/05/15	13:11:50	0.5914	61.109	114.314
2019/05/15	13:12:50	0.6081	61.078	114.350
2019/05/15	13:13:50	0.6247	61.075	114.350
2019/05/15	13:14:50	0.6414	61.064	114.350
2019/05/15	13:15:50	0.6581	61.090	114.350
2019/05/15	13:16:50	0.6747	61.106	114.350
2019/05/15	13:17:50	0.6914	61.087	114.350
2019/05/15	13:18:50	0.7081	61.062	114.350
2019/05/15	13:19:50	0.7247	61.057	114.332
2019/05/15	13:20:50	0.7414	61.068	114.332
2019/05/15	13:21:50	0.7581	61.059	114.296
2019/05/15	13:22:50	0.7747	61.055	114.296
2019/05/15	13:23:50	0.7914	61.065	114.314
2019/05/15	13:24:50	0.8081	61.067	114.296
2019/05/15	13:25:50	0.8247	61.049	114.314
2019/05/15	13:26:50	0.8414	61.038	114.314

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/05/15	13:27:50	0.8581	61.033	114.332
2019/05/15	13:28:50	0.8747	61.054	114.350
2019/05/15	13:29:50	0.8914	61.016	114.314
2019/05/15	13:30:50	0.9081	61.055	114.350
2019/05/15	13:31:50	0.9247	61.022	114.332
2019/05/15	13:32:50	0.9414	61.013	114.332
2019/05/15	13:33:50	0.9581	61.017	114.314
2019/05/15	13:34:50	0.9747	61.041	114.314
2019/05/15	13:35:50	0.9914	60.981	114.314
2019/05/15	13:36:50	1.0081	61.001	114.350
2019/05/15	13:37:50	1.0247	60.987	114.332
2019/05/15	13:38:50	1.0414	61.004	114.332
2019/05/15	13:39:20	1.0497	60.978	114.332
2019/05/15	13:40:20	1.0664	60.996	114.350
2019/05/15	13:41:20	1.0831	60.968	114.368
2019/05/15	13:42:20	1.0997	60.984	114.368
2019/05/15	13:43:20	1.1164	60.956	114.386
2019/05/15	13:44:20	1.1331	60.943	114.404
2019/05/15	13:45:20	1.1497	60.971	114.422
2019/05/15	13:46:20	1.1664	60.971	114.422
2019/05/15	13:47:20	1.1831	60.941	114.440
2019/05/15	13:48:20	1.1997	60.941	114.422
2019/05/15	13:49:20	1.2164	60.938	114.440
2019/05/15	13:50:20	1.2331	60.964	114.458
2019/05/15	13:51:20	1.2497	60.929	114.476
2019/05/15	13:52:20	1.2664	59.638	114.386
POOH Gradient: 3000.000 ft				
2019/05/15	13:52:50	1.2747	59.435	113.918
2019/05/15	13:53:20	1.2831	59.451	113.684
2019/05/15	13:54:20	1.2997	59.435	113.378
2019/05/15	13:54:50	1.3081	59.425	113.216
2019/05/15	13:55:50	1.3247	59.383	112.964
2019/05/15	13:56:50	1.3414	59.368	112.748
2019/05/15	13:57:50	1.3581	59.312	112.532
2019/05/15	13:58:50	1.3747	58.845	111.200
POOH Gradient: 2500.000 ft				
2019/05/15	13:59:20	1.3831	58.630	110.084
2019/05/15	13:59:50	1.3914	58.627	109.256
2019/05/15	14:00:50	1.4081	58.633	108.266
2019/05/15	14:01:50	1.4247	58.639	107.384
2019/05/15	14:02:50	1.4414	58.653	106.646
2019/05/15	14:03:50	1.4581	58.656	105.944
2019/05/15	14:04:50	1.4747	58.507	105.152
2019/05/15	14:05:50	1.4914	58.169	103.424
POOH Gradient: 2000.000 ft				
2019/05/15	14:06:20	1.4997	57.974	102.236
2019/05/15	14:06:50	1.5081	57.940	101.282
2019/05/15	14:07:50	1.5247	57.938	100.184
2019/05/15	14:08:50	1.5414	57.951	99.212
2019/05/15	14:09:50	1.5581	57.989	98.348
2019/05/15	14:10:20	1.5664	57.966	97.934
2019/05/15	14:11:20	1.5831	57.989	97.214
2019/05/15	14:12:20	1.5997	57.433	95.288
POOH Gradient: 1500.000 ft				

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Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/05/15	14:12:50	1.6081	57.203	93.812
2019/05/15	14:13:20	1.6164	57.199	93.110
2019/05/15	14:14:20	1.6331	57.156	91.994
2019/05/15	14:15:20	1.6497	57.125	91.004
2019/05/15	14:16:20	1.6664	57.197	90.104
2019/05/15	14:17:20	1.6831	57.146	89.276
2019/05/15	14:18:20	1.6997	56.926	87.782
POOH Gradient: 1000.000 ft				
2019/05/15	14:19:20	1.7164	56.346	85.280
2019/05/15	14:20:20	1.7331	56.521	84.110
2019/05/15	14:21:20	1.7497	56.507	83.066
2019/05/15	14:22:20	1.7664	56.514	82.112
2019/05/15	14:23:20	1.7831	56.498	81.248
2019/05/15	14:24:20	1.7997	56.273	80.204
POOH Gradient: 500.000 ft				
2019/05/15	14:25:20	1.8164	55.573	77.594
2019/05/15	14:26:20	1.8331	55.635	76.244
2019/05/15	14:27:20	1.8497	55.616	75.182
2019/05/15	14:28:20	1.8664	55.618	74.228
2019/05/15	14:29:20	1.8831	55.594	73.310
2019/05/15	14:30:20	1.8997	55.580	72.482
2019/05/15	14:31:20	1.9164	54.752	70.250
POOH Gradient: 0.000 ft				
2019/05/15	14:31:50	1.9247	54.588	69.278
2019/05/15	14:32:20	1.9331	54.832	69.692
2019/05/15	14:33:20	1.9497	54.971	70.916
2019/05/15	14:34:20	1.9664	55.016	72.158
2019/05/15	14:35:20	1.9831	55.004	73.364
2019/05/15	14:36:20	1.9997	54.984	74.498
2019/05/15	14:37:20	2.0164	54.437	75.596
2019/05/15	14:38:20	2.0331	-2.856	75.866
2019/05/15	14:39:20	2.0497	-2.896	75.920