

Pressure Test Report

COMPANY INFORMATION

Company Name HILCORP
Representative PRISCILLA SHORTY
Phone
Fax
Address

NMOCB
MAY 22 2019
DISTRICT 111

E-Mail Address
Service Company EXPERT DOWNHOLE SERVICES, INC

WELL INFORMATION

Well Name SAN JUAN 30-6 UNIT POW #1
Well Location T30N, R6W, SEC 24
Field and Pool FRUITLAND COAL
Status (Oil, Gas, Water, Injection) OBSERVATION
Perforated Intervals 2484-3027
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number
Elevations
 Kelly Bushing (KB) 12
 Casing Flange (CF)
 KB-CF
 Ground Level 6118
Plug Back Total Depth 3075
Total Depth 3080
Production Casing 5 1/2 TO 3080
Production Tubing 2 3/8 TO 2832

TEST INFORMATION

Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/20/19
Dead-weight Gauge Tubing Pressure 20
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom 5/20/19 @0932
Date / Time off Bottom 5/20/19 @1032

Probe Serial Number W1162
Probe Offset from End of Tool String 0-6000
Run Depth at Probe Pressure Port 3000

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 55.8 psig
Maximum Recorded Probe Temperature 112.6 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 30-6 UNIT POW #1
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/20/19



PROBE INFORMATION

Probe Serial Number W1162
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
Well Name	SAN JUAN 30-6 UNIT POW #1
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	5/20/19



COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC

RIH WITH 1.50 IMPRESSION BLOCK AND TAGGED FILL @3063 WLM. RIH WITH BHP GAUGE TO 3000 WLM FOR 1 HOUR, THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

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Pressure vs. Depth

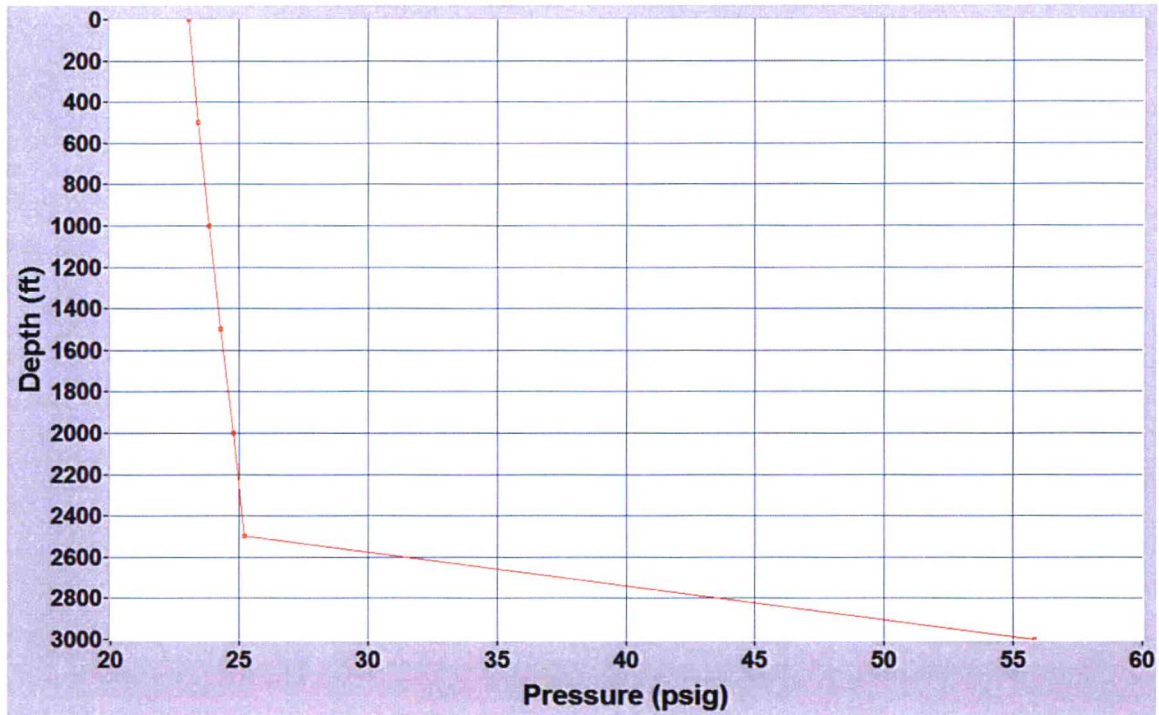
Probe Serial Number W1162

		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
0932	1032	3000.000	55.834	-	85.730	-
1033	1038	2500.000	25.222	0.0612	110.714	-0.0500
1040	1045	2000.000	24.784	0.0009	107.168	0.0071
1046	1051	1500.000	24.297	0.0010	101.192	0.0120
1052	1057	1000.000	23.872	0.0008	94.676	0.0130
1058	1103	500.000	23.432	0.0009	87.638	0.0141
1104	1109	0.000	23.078	0.0007	79.970	0.0153

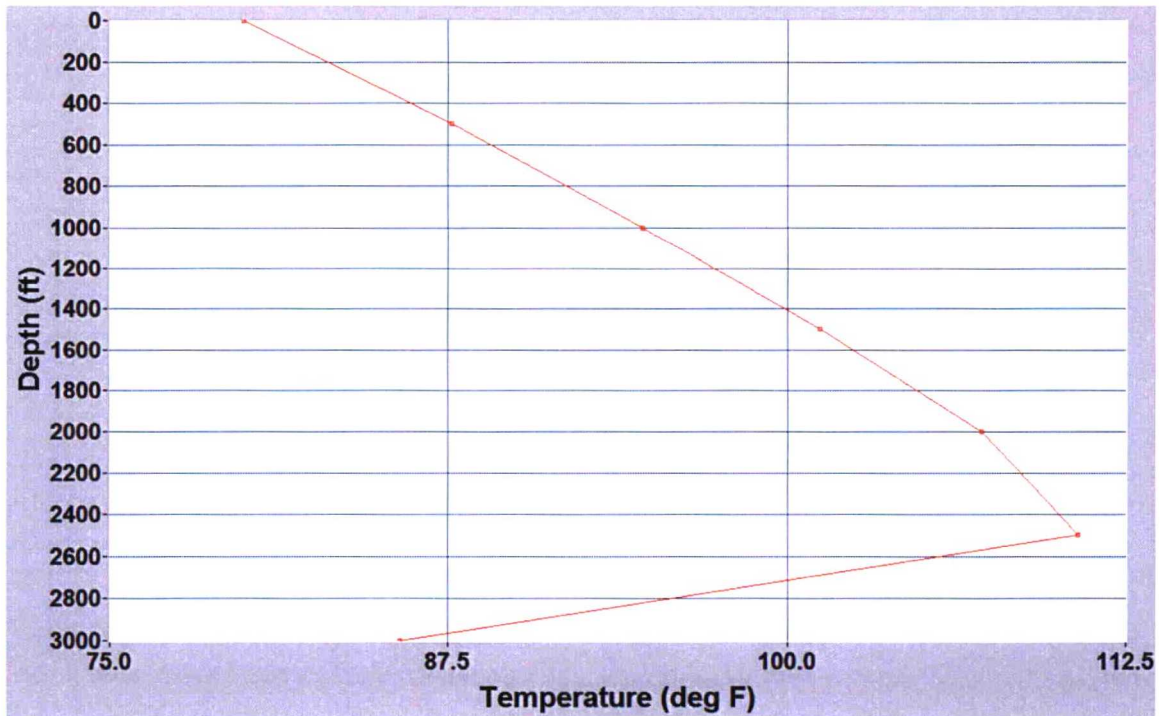
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

W1162 Depth vs. Pressure



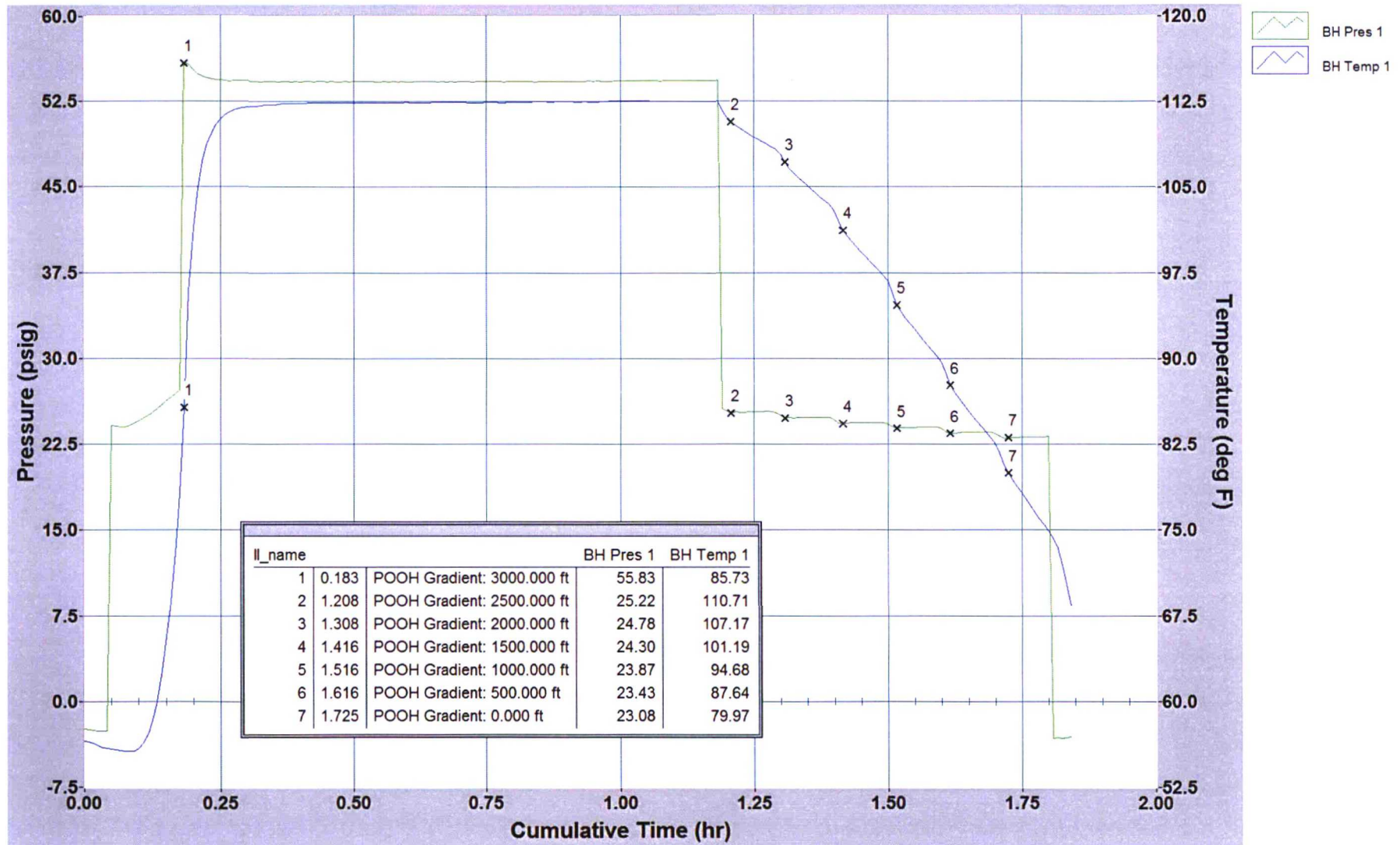
W1162 Depth vs. Temperature



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SAN JUAN 30-6 UNIT POW #1



Company Name HILCORP
Well Name SAN JUAN 30-6 UNIT POW #1
Type of Test POOH STATIC GRADIENT
Date(s) of Test 5/20/19



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/05/20	09:21:26	0.0000	-2.403	56.534
2019/05/20	09:21:55	0.0081	-2.448	56.444
2019/05/20	09:22:55	0.0247	-2.563	56.156
2019/05/20	09:23:25	0.0331	-2.569	55.976
2019/05/20	09:24:25	0.0497	24.157	55.832
2019/05/20	09:24:55	0.0581	24.070	55.778
2019/05/20	09:25:55	0.0747	24.037	55.634
2019/05/20	09:26:55	0.0914	24.342	55.652
2019/05/20	09:27:55	0.1081	24.765	56.336
2019/05/20	09:28:25	0.1164	25.006	57.128
2019/05/20	09:29:25	0.1331	25.593	59.990
2019/05/20	09:30:25	0.1497	26.272	65.120
2019/05/20	09:31:25	0.1664	26.931	73.022
2019/05/20	09:31:55	0.1747	27.211	78.152
POOH Gradient: 3000.000 ft				
2019/05/20	09:32:25	0.1831	55.834	85.730
2019/05/20	09:32:55	0.1914	55.805	95.864
2019/05/20	09:33:55	0.2081	54.927	104.900
2019/05/20	09:34:55	0.2247	54.576	108.752
2019/05/20	09:35:25	0.2331	54.440	109.760
2019/05/20	09:36:25	0.2497	54.402	110.948
2019/05/20	09:37:25	0.2664	54.306	111.578
2019/05/20	09:38:25	0.2831	54.309	111.866
2019/05/20	09:38:55	0.2914	54.325	111.956
2019/05/20	09:39:55	0.3081	54.276	112.046
2019/05/20	09:40:55	0.3247	54.233	112.136
2019/05/20	09:41:55	0.3414	54.280	112.208
2019/05/20	09:42:25	0.3497	54.250	112.226
2019/05/20	09:43:25	0.3664	54.259	112.298
2019/05/20	09:44:25	0.3831	54.240	112.316
2019/05/20	09:45:25	0.3997	54.209	112.334
2019/05/20	09:45:55	0.4081	54.248	112.352
2019/05/20	09:46:55	0.4247	54.217	112.388
2019/05/20	09:47:55	0.4414	54.250	112.388
2019/05/20	09:48:55	0.4581	54.253	112.388
2019/05/20	09:49:25	0.4664	54.238	112.406
2019/05/20	09:50:25	0.4831	54.257	112.406
2019/05/20	09:51:25	0.4997	54.253	112.406
2019/05/20	09:52:25	0.5164	54.246	112.406
2019/05/20	09:52:55	0.5247	54.251	112.406
2019/05/20	09:53:55	0.5414	54.208	112.388
2019/05/20	09:54:55	0.5581	54.256	112.388
2019/05/20	09:55:55	0.5747	54.244	112.388
2019/05/20	09:56:25	0.5831	54.233	112.370
2019/05/20	09:57:25	0.5997	54.231	112.424
2019/05/20	09:58:25	0.6164	54.251	112.406
2019/05/20	09:59:25	0.6331	54.246	112.388
2019/05/20	09:59:55	0.6414	54.272	112.406
2019/05/20	10:00:55	0.6581	54.231	112.424
2019/05/20	10:01:55	0.6747	54.241	112.460
2019/05/20	10:02:55	0.6914	54.234	112.442
2019/05/20	10:03:25	0.6997	54.289	112.442
2019/05/20	10:04:25	0.7164	54.263	112.406
2019/05/20	10:05:25	0.7331	54.259	112.406

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/05/20	10:06:25	0.7497	54.269	112.424
2019/05/20	10:06:55	0.7581	54.283	112.424
2019/05/20	10:07:55	0.7747	54.272	112.406
2019/05/20	10:08:55	0.7914	54.248	112.442
2019/05/20	10:09:55	0.8081	54.270	112.442
2019/05/20	10:10:25	0.8164	54.279	112.460
2019/05/20	10:11:25	0.8331	54.286	112.478
2019/05/20	10:12:25	0.8497	54.283	112.514
2019/05/20	10:13:25	0.8664	54.291	112.478
2019/05/20	10:13:55	0.8747	54.275	112.478
2019/05/20	10:14:55	0.8914	54.286	112.514
2019/05/20	10:15:55	0.9081	54.280	112.496
2019/05/20	10:16:55	0.9247	54.289	112.478
2019/05/20	10:17:25	0.9331	54.299	112.496
2019/05/20	10:18:25	0.9497	54.289	112.478
2019/05/20	10:19:25	0.9664	54.304	112.496
2019/05/20	10:20:25	0.9831	54.306	112.550
2019/05/20	10:20:55	0.9914	54.322	112.550
2019/05/20	10:21:55	1.0081	54.312	112.568
2019/05/20	10:22:55	1.0247	54.314	112.568
2019/05/20	10:23:55	1.0414	54.333	112.550
2019/05/20	10:24:25	1.0497	54.318	112.550
2019/05/20	10:25:25	1.0664	54.318	112.532
2019/05/20	10:26:25	1.0831	54.340	112.496
2019/05/20	10:27:25	1.0997	54.331	112.514
2019/05/20	10:27:55	1.1081	54.335	112.496
2019/05/20	10:28:55	1.1247	54.333	112.532
2019/05/20	10:29:55	1.1414	54.335	112.532
2019/05/20	10:30:55	1.1581	54.330	112.514
2019/05/20	10:31:25	1.1664	54.335	112.496
2019/05/20	10:32:25	1.1831	54.321	112.532
2019/05/20	10:33:25	1.1997	25.424	111.146
POOH Gradient: 2500.000 ft				
2019/05/20	10:33:55	1.2081	25.222	110.714
2019/05/20	10:34:25	1.2164	25.319	110.390
2019/05/20	10:34:55	1.2247	25.292	110.138
2019/05/20	10:35:55	1.2414	25.312	109.634
2019/05/20	10:36:55	1.2581	25.325	109.184
2019/05/20	10:37:55	1.2747	25.385	108.734
2019/05/20	10:38:25	1.2831	25.340	108.518
2019/05/20	10:39:25	1.2997	25.032	107.870
POOH Gradient: 2000.000 ft				
2019/05/20	10:39:55	1.3081	24.784	107.168
2019/05/20	10:40:25	1.3164	24.809	106.574
2019/05/20	10:41:25	1.3331	24.838	105.854
2019/05/20	10:41:55	1.3414	24.812	105.476
2019/05/20	10:42:55	1.3581	24.859	104.792
2019/05/20	10:43:55	1.3747	24.848	104.108
2019/05/20	10:44:55	1.3914	24.864	103.460
2019/05/20	10:45:25	1.3997	24.646	102.938
POOH Gradient: 1500.000 ft				
2019/05/20	10:46:25	1.4164	24.297	101.192
2019/05/20	10:47:25	1.4331	24.372	100.238
2019/05/20	10:48:25	1.4497	24.390	99.356

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		hr	psig	deg F
2019/05/20	10:48:55	1.4581	24.404	98.924
2019/05/20	10:49:55	1.4747	24.416	98.096
2019/05/20	10:50:55	1.4914	24.403	97.286
2019/05/20	10:51:55	1.5081	24.020	95.720
POOH Gradient: 1000.000 ft				
2019/05/20	10:52:25	1.5164	23.872	94.676
2019/05/20	10:53:25	1.5331	23.931	93.524
2019/05/20	10:54:25	1.5497	23.933	92.552
2019/05/20	10:55:25	1.5664	23.996	91.580
2019/05/20	10:55:55	1.5747	24.018	91.112
2019/05/20	10:56:55	1.5914	24.001	90.194
2019/05/20	10:57:55	1.6081	23.576	88.736
POOH Gradient: 500.000 ft				
2019/05/20	10:58:25	1.6164	23.432	87.638
2019/05/20	10:58:55	1.6247	23.461	86.972
2019/05/20	10:59:25	1.6331	23.531	86.450
2019/05/20	11:00:25	1.6497	23.560	85.460
2019/05/20	11:01:25	1.6664	23.570	84.488
2019/05/20	11:02:25	1.6831	23.585	83.570
2019/05/20	11:02:55	1.6914	23.580	83.102
2019/05/20	11:03:55	1.7081	23.194	81.680
POOH Gradient: 0.000 ft				
2019/05/20	11:04:55	1.7247	23.078	79.970
2019/05/20	11:05:55	1.7414	23.074	78.782
2019/05/20	11:06:25	1.7497	23.113	78.206
2019/05/20	11:07:25	1.7664	23.165	77.090
2019/05/20	11:08:25	1.7831	23.157	75.992
2019/05/20	11:09:25	1.7997	23.168	74.912
2019/05/20	11:09:55	1.8081	-3.192	74.354
2019/05/20	11:10:55	1.8247	-3.200	71.924