

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Received
6/18/2020FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMSF078999

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SAN JUAN 31-6 2319. API Well No.
30-039-24945-00-S110. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State

RIO ARRIBA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE

2. Name of Operator

HILCORP ENERGY COMPANY

Contact: PRISCILLA SHORTY

E-Mail: pshorty@hilcorp.com

3a. Address

1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)

Ph: 505-324-5188

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T31N R6W NWSW 1418FSL 1147FWL
36.867190 N Lat, 107.454790 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
<i>BP</i>	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Attached is the annual POW report taken from the subject well on 6/10/2020.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #518778 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 06/18/2020 (20JK0615SE)**

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH SR

Signature (Electronic Submission)

Date 06/12/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJOE KILLINS
Title ENGINEER

Date 06/18/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

AV

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 31-6 #231 POW
Well Location	T31N-R6W-SEC27
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3176-3326
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	
Casing Flange (CF)	
KB-CF	
Ground Level	6448
Plug Back Total Depth	3327
Total Depth	3327
Production Casing	5 1/2 TO 3327
Production Tubing	2 3/8 TO 3264

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/10/20
Dead-weight Gauge Tubing Pressure	0
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	6/10/20 @1327
Date / Time off Bottom	6/10/20 @1427

Probe Serial Number	
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3308

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	789.6 psig
Maximum Recorded Probe Temperature	118.7 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 31-6 #231 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/10/20



PROBE INFORMATION

Probe Serial Number

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 31-6 #231 POW
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/10/20



COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC.

RIH WITH 1.50 IMPRESSION BLOCK, TAGGED FILL @3311 WLM. RIH WITH BHP GAUGE TO 3308 WLM FOR 1 HOUR, THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

Company Name HILCORP
Well Name SAN JUAN 31-6 #231 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/10/20



Pressure vs. Depth

Probe Serial Number

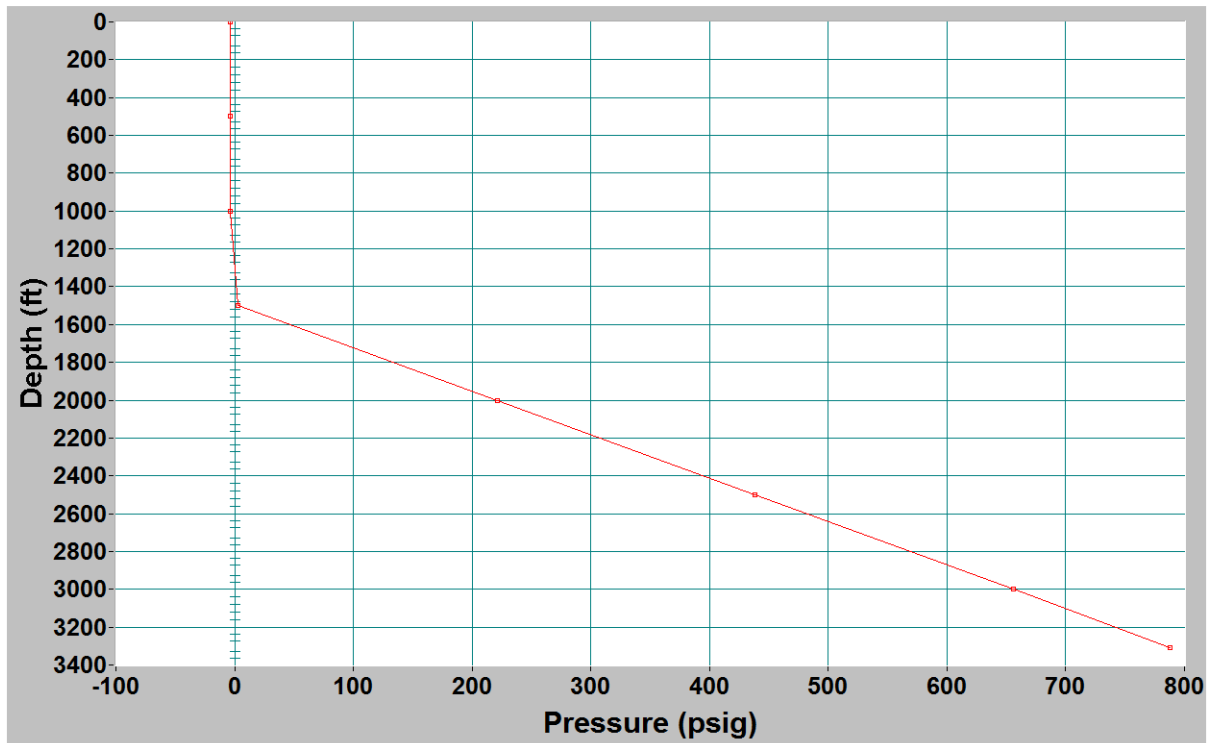
		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1327	1427	3308.000	787.748	-	111.483	-
1428	1433	3000.000	656.253	0.4269	111.009	0.0015
1434	1439	2500.000	438.337	0.4358	99.662	0.0227
1441	1446	2000.000	220.923	0.4348	89.845	0.0196
1447	1452	1500.000	2.919	0.4360	80.530	0.0186
1453	1458	1000.000	-3.598	0.0130	77.668	0.0057
1500	1505	500.000	-3.651	0.0001	75.785	0.0038
1506	1511	0.000	-3.631	0.0000	72.995	0.0056

Extrapolated to MPP:

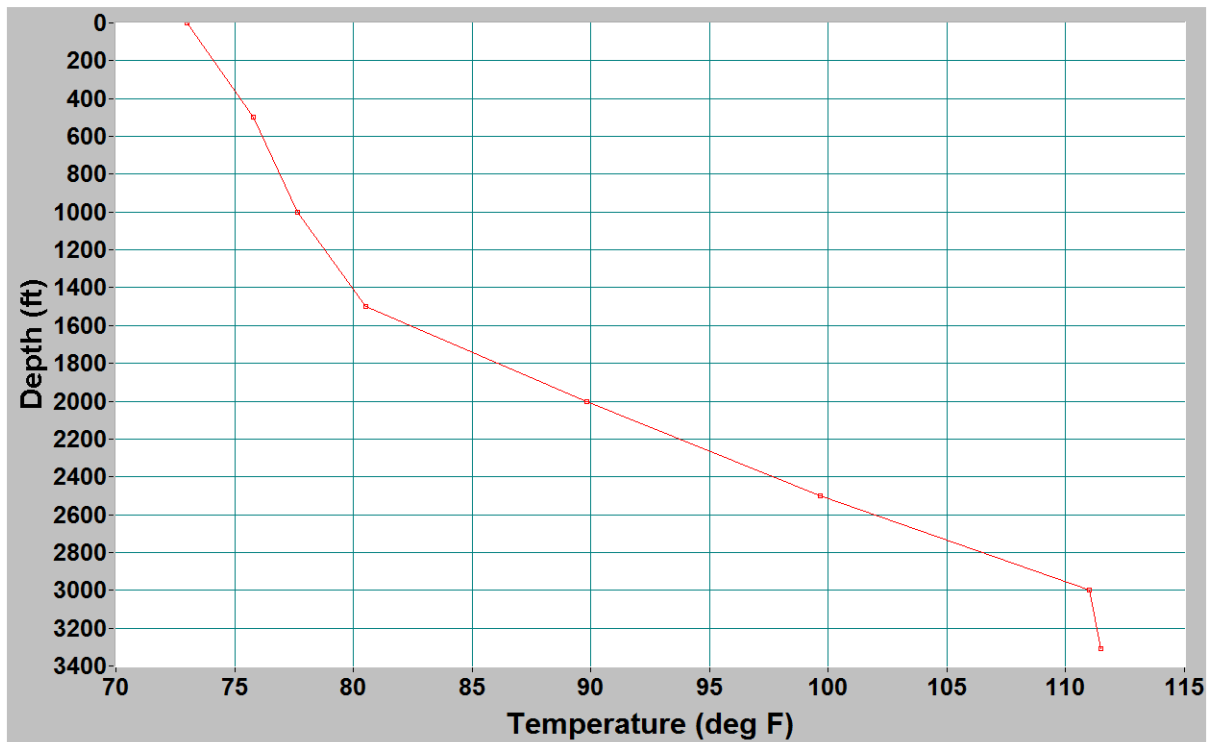
(ft)	(psig)	(deg F)
0.000		

Probe Serial Number

Depth vs. Pressure



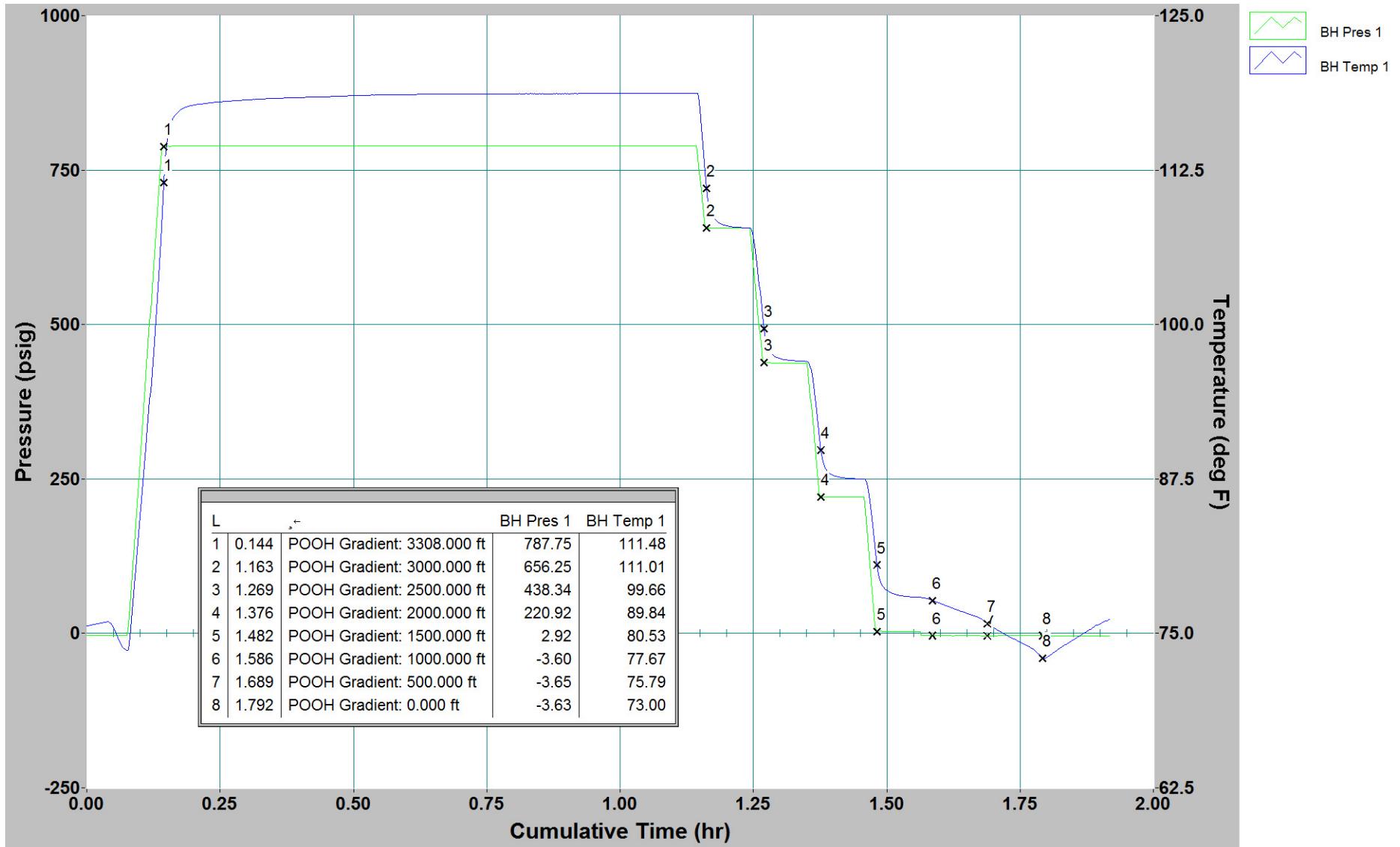
Depth vs. Temperature



Company Name HILCORP
 Well Name SAN JUAN 31-6 #231 POW
 Type of Test POOH STATIC GRADIENT
 Date(s) of Test 6/10/20



SAN JUAN 31-6 UNIT #231 POW 2020



Company Name HILCORP
Well Name SAN JUAN 31-6 #231 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/10/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	01:18:45	0.0000	-3.527	75.621
2020/06/10	01:19:15	0.0083	-3.544	75.675
2020/06/10	01:19:45	0.0167	-3.552	75.747
2020/06/10	01:20:15	0.0250	-3.572	75.816
2020/06/10	01:20:45	0.0333	-3.598	75.906
2020/06/10	01:21:15	0.0417	-3.594	75.900
2020/06/10	01:21:45	0.0500	-3.520	75.493
2020/06/10	01:22:15	0.0583	-3.404	74.689
2020/06/10	01:22:45	0.0667	-3.295	73.971
2020/06/10	01:23:15	0.0750	-3.235	73.612
2020/06/10	01:23:45	0.0833	77.562	76.086
2020/06/10	01:24:15	0.0917	177.219	80.235
2020/06/10	01:24:45	0.1000	278.819	84.470
2020/06/10	01:25:15	0.1083	382.499	88.579
2020/06/10	01:25:45	0.1167	487.444	93.153
2020/06/10	01:26:15	0.1250	595.583	97.754
2020/06/10	01:26:45	0.1333	699.081	103.024
2020/06/10	01:27:15	0.1417	787.352	109.020
POOH Gradient: 3308.000 ft				
2020/06/10	01:27:25	0.1444	787.748	111.483
2020/06/10	01:27:45	0.1500	788.877	114.557
2020/06/10	01:28:15	0.1583	788.553	116.265
2020/06/10	01:28:45	0.1667	788.914	116.991
2020/06/10	01:29:15	0.1750	789.153	117.367
2020/06/10	01:29:45	0.1833	789.291	117.565
2020/06/10	01:30:15	0.1917	789.368	117.687
2020/06/10	01:30:45	0.2000	789.413	117.759
2020/06/10	01:31:15	0.2083	789.423	117.815
2020/06/10	01:31:45	0.2167	789.461	117.860
2020/06/10	01:32:15	0.2250	789.508	117.910
2020/06/10	01:32:45	0.2333	789.532	117.952
2020/06/10	01:33:15	0.2417	789.557	117.991
2020/06/10	01:33:45	0.2500	789.560	118.024
2020/06/10	01:34:15	0.2583	789.582	118.054
2020/06/10	01:34:45	0.2667	789.580	118.083
2020/06/10	01:35:15	0.2750	789.576	118.112
2020/06/10	01:35:45	0.2833	789.582	118.130
2020/06/10	01:36:15	0.2917	789.588	118.159
2020/06/10	01:36:45	0.3000	789.598	118.188
2020/06/10	01:37:15	0.3083	789.596	118.209
2020/06/10	01:37:45	0.3167	789.601	118.231
2020/06/10	01:38:15	0.3250	789.600	118.251
2020/06/10	01:38:45	0.3333	789.605	118.272
2020/06/10	01:39:15	0.3417	789.608	118.301
2020/06/10	01:39:45	0.3500	789.598	118.308
2020/06/10	01:40:15	0.3583	789.592	118.315
2020/06/10	01:40:45	0.3667	789.580	118.326
2020/06/10	01:41:15	0.3750	789.580	118.339
2020/06/10	01:41:45	0.3833	789.572	118.350
2020/06/10	01:42:15	0.3917	789.572	118.369
2020/06/10	01:42:45	0.4000	789.574	118.380
2020/06/10	01:43:15	0.4083	789.574	118.387
2020/06/10	01:43:45	0.4167	789.575	118.398
2020/06/10	01:44:15	0.4250	789.578	118.413

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	01:44:45	0.4333	789.570	118.420
2020/06/10	01:45:15	0.4417	789.569	118.431
2020/06/10	01:45:45	0.4500	789.575	118.445
2020/06/10	01:46:15	0.4583	789.574	118.452
2020/06/10	01:46:45	0.4667	789.570	118.463
2020/06/10	01:47:15	0.4750	789.578	118.481
2020/06/10	01:47:45	0.4833	789.533	118.490
2020/06/10	01:48:15	0.4917	789.546	118.508
2020/06/10	01:48:45	0.5000	789.548	118.521
2020/06/10	01:49:15	0.5083	789.546	118.531
2020/06/10	01:49:45	0.5167	789.542	118.533
2020/06/10	01:50:15	0.5250	789.540	118.548
2020/06/10	01:50:45	0.5333	789.550	118.564
2020/06/10	01:51:15	0.5417	789.544	118.569
2020/06/10	01:51:45	0.5500	789.542	118.575
2020/06/10	01:52:15	0.5583	789.537	118.580
2020/06/10	01:52:45	0.5667	789.533	118.584
2020/06/10	01:53:15	0.5750	789.532	118.594
2020/06/10	01:53:45	0.5833	789.526	118.596
2020/06/10	01:54:15	0.5917	789.528	118.602
2020/06/10	01:54:45	0.6000	789.525	118.607
2020/06/10	01:55:15	0.6083	789.519	118.603
2020/06/10	01:55:45	0.6167	789.516	118.620
2020/06/10	01:56:15	0.6250	789.527	118.632
2020/06/10	01:56:45	0.6333	789.524	118.638
2020/06/10	01:57:15	0.6417	789.515	118.639
2020/06/10	01:57:45	0.6500	789.519	118.643
2020/06/10	01:58:15	0.6583	789.516	118.645
2020/06/10	01:58:45	0.6667	789.514	118.641
2020/06/10	01:59:15	0.6750	789.515	118.647
2020/06/10	01:59:45	0.6833	789.518	118.650
2020/06/10	02:00:15	0.6917	789.506	118.652
2020/06/10	02:00:45	0.7000	789.498	118.657
2020/06/10	02:01:15	0.7083	789.494	118.657
2020/06/10	02:01:45	0.7167	789.495	118.659
2020/06/10	02:02:15	0.7250	789.495	118.659
2020/06/10	02:02:45	0.7333	789.499	118.663
2020/06/10	02:03:15	0.7417	789.495	118.666
2020/06/10	02:03:45	0.7500	789.495	118.663
2020/06/10	02:04:15	0.7583	789.492	118.666
2020/06/10	02:04:45	0.7667	789.498	118.666
2020/06/10	02:05:15	0.7750	789.496	118.668
2020/06/10	02:05:45	0.7833	789.496	118.677
2020/06/10	02:06:15	0.7917	789.480	118.672
2020/06/10	02:06:45	0.8000	789.486	118.675
2020/06/10	02:07:15	0.8083	789.484	118.677
2020/06/10	02:07:45	0.8167	789.482	118.675
2020/06/10	02:08:15	0.8250	789.486	118.681
2020/06/10	02:08:45	0.8333	789.483	118.674
2020/06/10	02:09:15	0.8417	789.487	118.677
2020/06/10	02:09:45	0.8500	789.475	118.677
2020/06/10	02:10:15	0.8583	789.473	118.679
2020/06/10	02:10:45	0.8667	789.477	118.677
2020/06/10	02:11:15	0.8750	789.485	118.679

Company Name HILCORP
Well Name SAN JUAN 31-6 #231 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/10/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	02:11:45	0.8833	789.478	118.677
2020/06/10	02:12:15	0.8917	789.484	118.686
2020/06/10	02:12:45	0.9000	789.473	118.672
2020/06/10	02:13:15	0.9083	789.484	118.681
2020/06/10	02:13:45	0.9167	789.466	118.681
2020/06/10	02:14:15	0.9250	789.486	118.684
2020/06/10	02:14:45	0.9333	789.492	118.686
2020/06/10	02:15:15	0.9417	789.486	118.688
2020/06/10	02:15:45	0.9500	789.487	118.693
2020/06/10	02:16:15	0.9583	789.486	118.688
2020/06/10	02:16:45	0.9667	789.487	118.693
2020/06/10	02:17:15	0.9750	789.484	118.690
2020/06/10	02:17:45	0.9833	789.481	118.690
2020/06/10	02:18:15	0.9917	789.478	118.690
2020/06/10	02:18:45	1.0000	789.485	118.702
2020/06/10	02:19:15	1.0083	789.488	118.699
2020/06/10	02:19:45	1.0167	789.480	118.701
2020/06/10	02:20:15	1.0250	789.474	118.699
2020/06/10	02:20:45	1.0333	789.470	118.697
2020/06/10	02:21:15	1.0417	789.480	118.701
2020/06/10	02:21:45	1.0500	789.474	118.697
2020/06/10	02:22:15	1.0583	789.482	118.701
2020/06/10	02:22:45	1.0667	789.485	118.699
2020/06/10	02:23:15	1.0750	789.479	118.695
2020/06/10	02:23:45	1.0833	789.485	118.699
2020/06/10	02:24:15	1.0917	789.486	118.701
2020/06/10	02:24:45	1.1000	789.489	118.704
2020/06/10	02:25:15	1.1083	789.482	118.699
2020/06/10	02:25:45	1.1167	789.485	118.699
2020/06/10	02:26:15	1.1250	789.487	118.706
2020/06/10	02:26:45	1.1333	789.496	118.710
2020/06/10	02:27:15	1.1417	789.490	118.710
2020/06/10	02:27:45	1.1500	737.896	117.403
2020/06/10	02:28:15	1.1583	668.244	113.079
POOH Gradient: 3000.000 ft				
2020/06/10	02:28:30	1.1625	656.253	111.009
2020/06/10	02:28:45	1.1667	656.508	109.711
2020/06/10	02:29:15	1.1750	656.459	108.712
2020/06/10	02:29:45	1.1833	656.070	108.288
2020/06/10	02:30:15	1.1917	656.046	108.093
2020/06/10	02:30:45	1.2000	656.010	107.985
2020/06/10	02:31:15	1.2083	655.978	107.917
2020/06/10	02:31:45	1.2167	655.970	107.884
2020/06/10	02:32:15	1.2250	655.965	107.852
2020/06/10	02:32:45	1.2333	655.961	107.821
2020/06/10	02:33:15	1.2417	655.953	107.800
2020/06/10	02:33:45	1.2500	597.796	107.146
2020/06/10	02:34:15	1.2583	521.336	104.356
2020/06/10	02:34:45	1.2667	441.946	100.764
POOH Gradient: 2500.000 ft				
2020/06/10	02:34:55	1.2694	438.337	99.662
2020/06/10	02:35:15	1.2750	437.996	98.370
2020/06/10	02:35:45	1.2833	437.900	97.680
2020/06/10	02:36:15	1.2917	437.822	97.387

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	02:36:45	1.3000	437.770	97.246
2020/06/10	02:37:15	1.3083	437.731	97.164
2020/06/10	02:37:45	1.3167	437.699	97.108
2020/06/10	02:38:15	1.3250	437.681	97.079
2020/06/10	02:38:45	1.3333	437.660	97.050
2020/06/10	02:39:15	1.3417	437.651	97.036
2020/06/10	02:39:45	1.3500	437.639	97.012
2020/06/10	02:40:15	1.3583	369.291	96.298
2020/06/10	02:40:45	1.3667	288.503	93.537
2020/06/10	02:41:15	1.3750	221.707	90.306
POOH Gradient: 2000.000 ft				
2020/06/10	02:41:20	1.3764	220.923	89.845
2020/06/10	02:41:45	1.3833	220.927	88.551
2020/06/10	02:42:15	1.3917	220.367	88.018
2020/06/10	02:42:45	1.4000	220.372	87.782
2020/06/10	02:43:15	1.4083	220.360	87.663
2020/06/10	02:43:45	1.4167	220.324	87.602
2020/06/10	02:44:15	1.4250	220.290	87.564
2020/06/10	02:44:45	1.4333	220.270	87.530
2020/06/10	02:45:15	1.4417	220.252	87.512
2020/06/10	02:45:45	1.4500	220.234	87.499
2020/06/10	02:46:15	1.4583	209.621	87.487
2020/06/10	02:46:45	1.4667	126.248	86.202
2020/06/10	02:47:15	1.4750	41.606	83.226
POOH Gradient: 1500.000 ft				
2020/06/10	02:47:40	1.4819	2.919	80.530
2020/06/10	02:47:45	1.4833	1.806	80.125
2020/06/10	02:48:15	1.4917	2.905	78.922
2020/06/10	02:48:45	1.5000	3.168	78.490
2020/06/10	02:49:15	1.5083	2.742	78.274
2020/06/10	02:49:45	1.5167	2.694	78.152
2020/06/10	02:50:15	1.5250	2.704	78.066
2020/06/10	02:50:45	1.5333	2.671	78.010
2020/06/10	02:51:15	1.5417	2.658	77.972
2020/06/10	02:51:45	1.5500	2.646	77.947
2020/06/10	02:52:15	1.5583	2.633	77.927
2020/06/10	02:52:45	1.5667	-3.320	77.896
2020/06/10	02:53:15	1.5750	-3.536	77.833
2020/06/10	02:53:45	1.5833	-3.544	77.724
POOH Gradient: 1000.000 ft				
2020/06/10	02:53:55	1.5861	-3.598	77.668
2020/06/10	02:54:15	1.5917	-3.592	77.565
2020/06/10	02:54:45	1.6000	-3.527	77.427
2020/06/10	02:55:15	1.6083	-3.569	77.293
2020/06/10	02:55:45	1.6167	-3.605	77.158
2020/06/10	02:56:15	1.6250	-3.613	77.027
2020/06/10	02:56:45	1.6333	-3.609	76.876
2020/06/10	02:57:15	1.6417	-3.589	76.750
2020/06/10	02:57:45	1.6500	-3.560	76.622
2020/06/10	02:58:15	1.6583	-3.494	76.496
2020/06/10	02:58:45	1.6667	-3.592	76.379
2020/06/10	02:59:15	1.6750	-3.583	76.237
2020/06/10	02:59:45	1.6833	-3.683	75.990
POOH Gradient: 500.000 ft				

Company Name HILCORP
Well Name SAN JUAN 31-6 #231 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/10/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	03:00:05	1.6889	-3.651	75.785
2020/06/10	03:00:15	1.6917	-3.684	75.690
2020/06/10	03:00:45	1.7000	-3.648	75.454
2020/06/10	03:01:15	1.7083	-3.599	75.252
2020/06/10	03:01:45	1.7167	-3.518	75.047
2020/06/10	03:02:15	1.7250	-3.448	74.853
2020/06/10	03:02:45	1.7333	-3.581	74.664
2020/06/10	03:03:15	1.7417	-3.403	74.475
2020/06/10	03:03:45	1.7500	-3.573	74.280
2020/06/10	03:04:15	1.7583	-3.471	74.104
2020/06/10	03:04:45	1.7667	-3.540	73.917
2020/06/10	03:05:15	1.7750	-3.505	73.728
2020/06/10	03:05:45	1.7833	-3.433	73.393
POOH Gradient: 0.000 ft				
2020/06/10	03:06:15	1.7917	-3.631	72.995
2020/06/10	03:06:45	1.8000	-3.642	73.069
2020/06/10	03:07:15	1.8083	-3.735	73.296
2020/06/10	03:07:45	1.8167	-3.873	73.546
2020/06/10	03:08:15	1.8250	-3.838	73.791
2020/06/10	03:08:45	1.8333	-3.798	74.041
2020/06/10	03:09:15	1.8417	-3.783	74.268
2020/06/10	03:09:45	1.8500	-3.774	74.498
2020/06/10	03:10:15	1.8583	-3.828	74.710
2020/06/10	03:10:45	1.8667	-3.893	74.934
2020/06/10	03:11:15	1.8750	-3.775	75.142
2020/06/10	03:11:45	1.8833	-3.805	75.376
2020/06/10	03:12:15	1.8917	-3.748	75.641
2020/06/10	03:12:45	1.9000	-3.840	75.772
2020/06/10	03:13:15	1.9083	-3.765	75.954
2020/06/10	03:13:45	1.9167	-3.803	76.105