

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Received
6/22/2020FORM 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.
NMSF078439

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
JOHNSTON FEDERAL 229. API Well No.
30-045-26940-00-S110. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

11. County or Parish, State

SAN JUAN COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: UNKNOWN MW

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 33 T31N R9W NWNE 1077FNL 1683FEL
36.858930 N Lat, 107.782230 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
BP	☐ 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 recompleat 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 recompleat 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 6/17/2020.

NMOCD- Accepted
for Record

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

**Electronic Submission #519506 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 06/22/2020 (20JK0698SE)**

Name (Printed/Typed) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH SR

Signature (Electronic Submission)

Date 06/18/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

JOE KILLINS
Title ENGINEER

Date 06/22/2020

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	JOHNSTON FEDERAL #22 POW
Well Location	T31N-R9W-SEC33
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	2547-2980
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	11.5
Casing Flange (CF)	
KB-CF	
Ground Level	6313
Plug Back Total Depth	3448
Total Depth	3450
Production Casing	4 1/2 TO 2294
Production Tubing	2 3/8 TO 2999

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/17/20
Dead-weight Gauge Tubing Pressure	53
Dead-weight Gauge Casing Pressure	80
Shut-in Date (Duration)	
Date / Time on Bottom	6/17/20 @1424
Date / Time off Bottom	6/17/20 @1524

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

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	49.9 psig
Maximum Recorded Probe Temperature	109.7 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name HILCORP
Well Name JOHNSTON FEDERAL #22 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/17/20



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	JOHNSTON FEDERAL #22 POW
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/17/20



COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC.

RIH WITH 1.50 IMPRESSION BLOCK, TAGGED FILL @3060 WLM. RIH WITH BHP GAUGES TO 3000 WLM FOR 1 HOUR THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

Pressure vs. Depth

Probe Serial Number

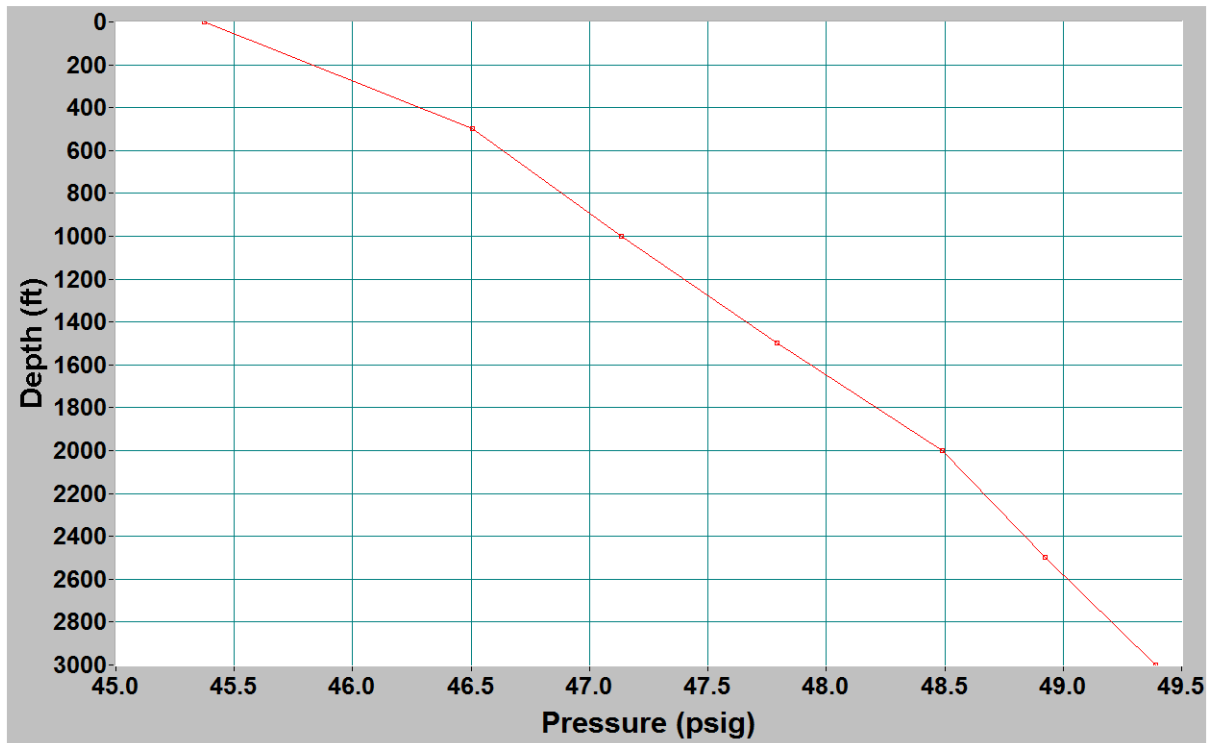
		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1424	1524	3000.000	49.391	-	86.023	-
1526	1531	2500.000	48.923	0.0009	108.165	-0.0443
1532	1537	2000.000	48.491	0.0009	102.621	0.0111
1538	1543	1500.000	47.792	0.0014	96.170	0.0129
1545	1550	1000.000	47.134	0.0013	89.377	0.0136
1551	1556	500.000	46.506	0.0013	82.472	0.0138
1557	1602	0.000	45.373	0.0023	76.001	0.0129

Extrapolated to MPP:

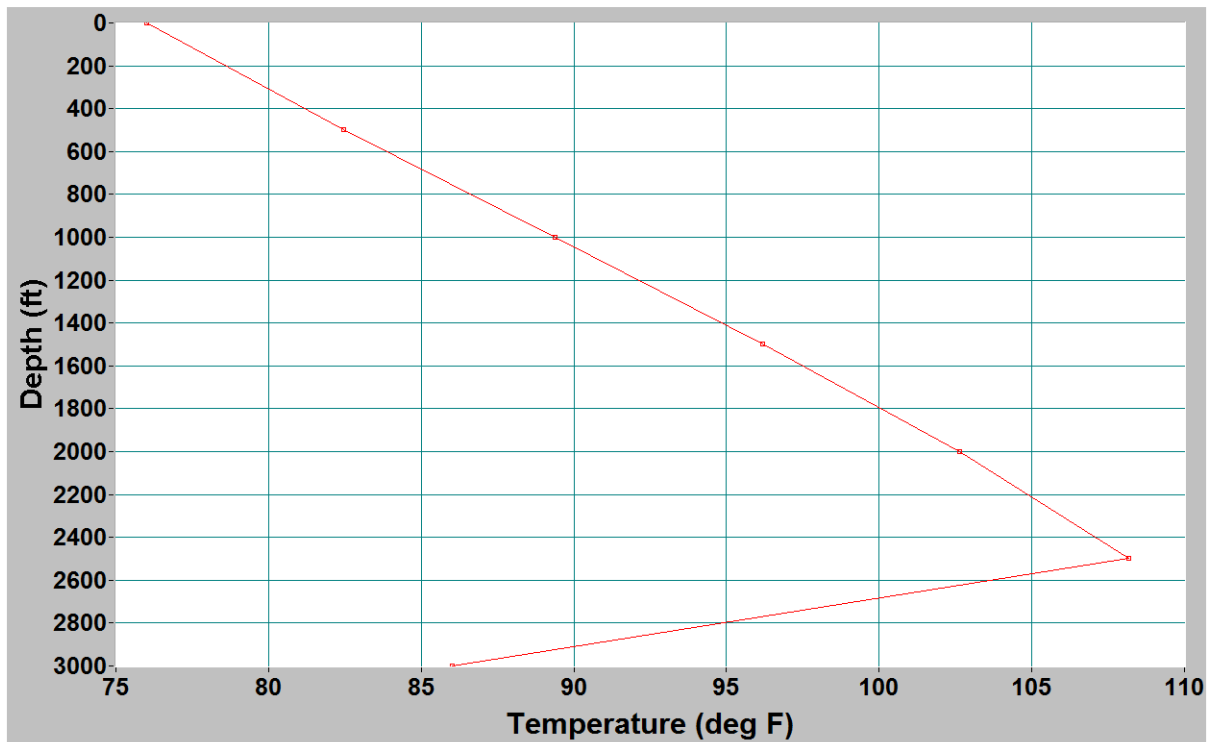
(ft)	(psig)	(deg F)
0.000		

Probe Serial Number

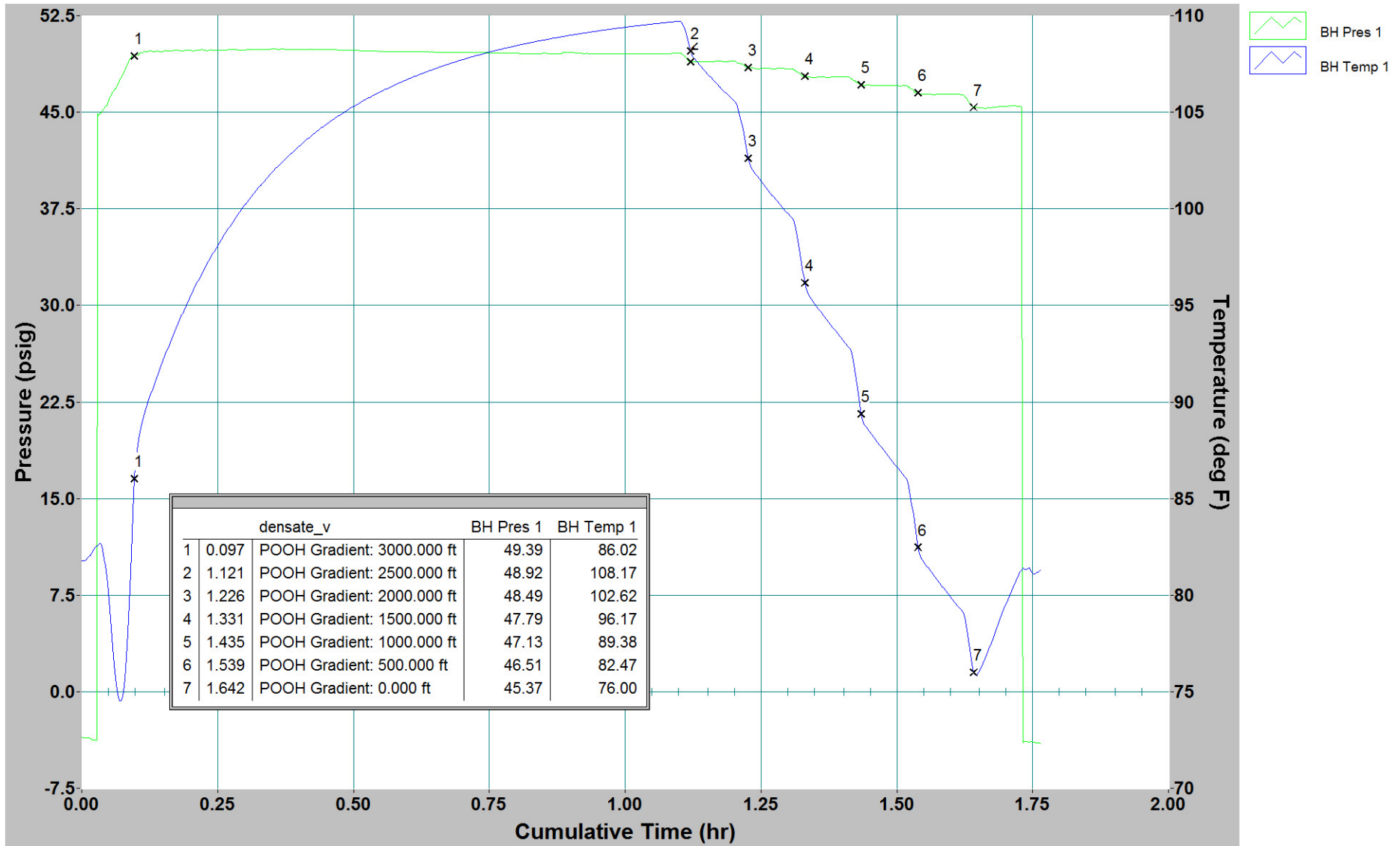
Depth vs. Pressure



Depth vs. Temperature



JOHNSTON FEDERAL #22 POW 2020



Company Name HILCORP
Well Name JOHNSTON FEDERAL #22 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/17/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	14:19:05	0.0000	-3.549	81.790
2020/06/17	14:19:35	0.0083	-3.587	81.835
2020/06/17	14:20:05	0.0167	-3.631	82.116
2020/06/17	14:20:35	0.0250	-3.781	82.474
2020/06/17	14:21:05	0.0333	44.837	82.666
2020/06/17	14:21:35	0.0417	45.284	81.855
2020/06/17	14:22:05	0.0500	45.978	79.740
2020/06/17	14:22:35	0.0583	46.620	76.851
2020/06/17	14:23:05	0.0667	47.196	74.880
2020/06/17	14:23:35	0.0750	47.942	74.764
2020/06/17	14:24:05	0.0833	48.644	77.398
2020/06/17	14:24:35	0.0917	49.249	82.166
POOH Gradient: 3000.000 ft				
2020/06/17	14:24:55	0.0972	49.391	86.023
2020/06/17	14:25:05	0.1000	49.456	87.120
2020/06/17	14:25:35	0.1083	49.622	88.641
2020/06/17	14:26:05	0.1167	49.722	89.506
2020/06/17	14:26:35	0.1250	49.764	90.248
2020/06/17	14:27:05	0.1333	49.692	90.916
2020/06/17	14:27:35	0.1417	49.724	91.553
2020/06/17	14:28:05	0.1500	49.726	92.172
2020/06/17	14:28:35	0.1583	49.768	92.777
2020/06/17	14:29:05	0.1667	49.774	93.348
2020/06/17	14:29:35	0.1750	49.817	93.904
2020/06/17	14:30:05	0.1833	49.772	94.442
2020/06/17	14:30:35	0.1917	49.834	94.962
2020/06/17	14:31:05	0.2000	49.802	95.457
2020/06/17	14:31:35	0.2083	49.766	95.936
2020/06/17	14:32:05	0.2167	49.808	96.399
2020/06/17	14:32:35	0.2250	49.803	96.845
2020/06/17	14:33:05	0.2333	49.813	97.272
2020/06/17	14:33:35	0.2417	49.843	97.682
2020/06/17	14:34:05	0.2500	49.811	98.074
2020/06/17	14:34:35	0.2583	49.799	98.456
2020/06/17	14:35:05	0.2667	49.814	98.830
2020/06/17	14:35:35	0.2750	49.869	99.181
2020/06/17	14:36:05	0.2833	49.854	99.531
2020/06/17	14:36:35	0.2917	49.838	99.858
2020/06/17	14:37:05	0.3000	49.831	100.186
2020/06/17	14:37:35	0.3083	49.887	100.494
2020/06/17	14:38:05	0.3167	49.877	100.787
2020/06/17	14:38:35	0.3250	49.889	101.080
2020/06/17	14:39:05	0.3333	49.885	101.349
2020/06/17	14:39:35	0.3417	49.894	101.611
2020/06/17	14:40:05	0.3500	49.906	101.872
2020/06/17	14:40:35	0.3583	49.900	102.119
2020/06/17	14:41:05	0.3667	49.901	102.357
2020/06/17	14:41:35	0.3750	49.896	102.598
2020/06/17	14:42:05	0.3833	49.892	102.817
2020/06/17	14:42:35	0.3917	49.889	103.032
2020/06/17	14:43:05	0.4000	49.897	103.237
2020/06/17	14:43:35	0.4083	49.897	103.449
2020/06/17	14:44:05	0.4167	49.899	103.645
2020/06/17	14:44:35	0.4250	49.895	103.833

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	14:45:05	0.4333	49.882	104.022
2020/06/17	14:45:35	0.4417	49.865	104.203
2020/06/17	14:46:05	0.4500	49.857	104.373
2020/06/17	14:46:35	0.4583	49.855	104.540
2020/06/17	14:47:05	0.4667	49.847	104.697
2020/06/17	14:47:35	0.4750	49.830	104.851
2020/06/17	14:48:05	0.4833	49.813	105.012
2020/06/17	14:48:35	0.4917	49.807	105.154
2020/06/17	14:49:05	0.5000	49.801	105.294
2020/06/17	14:49:35	0.5083	49.788	105.433
2020/06/17	14:50:05	0.5167	49.783	105.570
2020/06/17	14:50:35	0.5250	49.774	105.696
2020/06/17	14:51:05	0.5333	49.756	105.825
2020/06/17	14:51:35	0.5417	49.736	105.949
2020/06/17	14:52:05	0.5500	49.729	106.056
2020/06/17	14:52:35	0.5583	49.722	106.180
2020/06/17	14:53:05	0.5667	49.718	106.290
2020/06/17	14:53:35	0.5750	49.712	106.396
2020/06/17	14:54:05	0.5833	49.705	106.507
2020/06/17	14:54:35	0.5917	49.709	106.610
2020/06/17	14:55:05	0.6000	49.707	106.709
2020/06/17	14:55:35	0.6083	49.708	106.803
2020/06/17	14:56:05	0.6167	49.703	106.900
2020/06/17	14:56:35	0.6250	49.695	106.990
2020/06/17	14:57:05	0.6333	49.683	107.085
2020/06/17	14:57:35	0.6417	49.676	107.166
2020/06/17	14:58:05	0.6500	49.668	107.260
2020/06/17	14:58:35	0.6583	49.657	107.341
2020/06/17	14:59:05	0.6667	49.657	107.415
2020/06/17	14:59:35	0.6750	49.650	107.497
2020/06/17	15:00:05	0.6833	49.644	107.568
2020/06/17	15:00:35	0.6917	49.640	107.645
2020/06/17	15:01:05	0.7000	49.633	107.722
2020/06/17	15:01:35	0.7083	49.623	107.793
2020/06/17	15:02:05	0.7167	49.627	107.859
2020/06/17	15:02:35	0.7250	49.625	107.924
2020/06/17	15:03:05	0.7333	49.629	107.987
2020/06/17	15:03:35	0.7417	49.624	108.045
2020/06/17	15:04:05	0.7500	49.608	108.111
2020/06/17	15:04:35	0.7583	49.609	108.174
2020/06/17	15:05:05	0.7667	49.600	108.234
2020/06/17	15:05:35	0.7750	49.593	108.284
2020/06/17	15:06:05	0.7833	49.581	108.340
2020/06/17	15:06:35	0.7917	49.583	108.397
2020/06/17	15:07:05	0.8000	49.572	108.450
2020/06/17	15:07:35	0.8083	49.557	108.504
2020/06/17	15:08:05	0.8167	49.553	108.552
2020/06/17	15:08:35	0.8250	49.555	108.599
2020/06/17	15:09:05	0.8333	49.563	108.649
2020/06/17	15:09:35	0.8417	49.563	108.691
2020/06/17	15:10:05	0.8500	49.566	108.736
2020/06/17	15:10:35	0.8583	49.562	108.783
2020/06/17	15:11:05	0.8667	49.551	108.828
2020/06/17	15:11:35	0.8750	49.544	108.869

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	15:12:05	0.8833	49.544	108.909
2020/06/17	15:12:35	0.8917	49.641	108.950
2020/06/17	15:13:05	0.9000	49.634	108.990
2020/06/17	15:13:35	0.9083	49.614	109.033
2020/06/17	15:14:05	0.9167	49.576	109.063
2020/06/17	15:14:35	0.9250	49.559	109.108
2020/06/17	15:15:05	0.9333	49.556	109.137
2020/06/17	15:15:35	0.9417	49.546	109.173
2020/06/17	15:16:05	0.9500	49.546	109.207
2020/06/17	15:16:35	0.9583	49.543	109.243
2020/06/17	15:17:05	0.9667	49.553	109.279
2020/06/17	15:17:35	0.9750	49.554	109.308
2020/06/17	15:18:05	0.9833	49.555	109.337
2020/06/17	15:18:35	0.9917	49.538	109.375
2020/06/17	15:19:05	1.0000	49.539	109.404
2020/06/17	15:19:35	1.0083	49.530	109.432
2020/06/17	15:20:05	1.0167	49.540	109.461
2020/06/17	15:20:35	1.0250	49.545	109.481
2020/06/17	15:21:05	1.0333	49.539	109.513
2020/06/17	15:21:35	1.0417	49.530	109.542
2020/06/17	15:22:05	1.0500	49.518	109.566
2020/06/17	15:22:35	1.0583	49.523	109.587
2020/06/17	15:23:05	1.0667	49.526	109.618
2020/06/17	15:23:35	1.0750	49.537	109.641
2020/06/17	15:24:05	1.0833	49.542	109.665
2020/06/17	15:24:35	1.0917	49.576	109.688
2020/06/17	15:25:05	1.1000	49.574	109.708
2020/06/17	15:25:35	1.1083	49.354	109.393
2020/06/17	15:26:05	1.1167	49.025	108.630
POOH Gradient: 2500.000 ft				
2020/06/17	15:26:20	1.1208	48.923	108.165
2020/06/17	15:26:35	1.1250	48.905	107.893
2020/06/17	15:27:05	1.1333	48.918	107.566
2020/06/17	15:27:35	1.1417	48.907	107.298
2020/06/17	15:28:05	1.1500	48.911	107.038
2020/06/17	15:28:35	1.1583	48.927	106.783
2020/06/17	15:29:05	1.1667	48.950	106.527
2020/06/17	15:29:35	1.1750	48.958	106.291
2020/06/17	15:30:05	1.1833	48.938	106.054
2020/06/17	15:30:35	1.1917	48.949	105.816
2020/06/17	15:31:05	1.2000	48.969	105.595
2020/06/17	15:31:35	1.2083	48.820	105.166
2020/06/17	15:32:05	1.2167	48.685	104.121
2020/06/17	15:32:35	1.2250	48.476	102.819
POOH Gradient: 2000.000 ft				
2020/06/17	15:32:40	1.2264	48.491	102.621
2020/06/17	15:33:05	1.2333	48.451	102.099
2020/06/17	15:33:35	1.2417	48.371	101.746
2020/06/17	15:34:05	1.2500	48.392	101.437
2020/06/17	15:34:35	1.2583	48.406	101.145
2020/06/17	15:35:05	1.2667	48.408	100.845
2020/06/17	15:35:35	1.2750	48.383	100.555
2020/06/17	15:36:05	1.2833	48.405	100.276
2020/06/17	15:36:35	1.2917	48.417	100.008

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	15:37:05	1.3000	48.367	99.736
2020/06/17	15:37:35	1.3083	48.388	99.480
2020/06/17	15:38:05	1.3167	48.154	98.586
2020/06/17	15:38:35	1.3250	47.888	97.183
POOH Gradient: 1500.000 ft				
2020/06/17	15:38:55	1.3306	47.792	96.170
2020/06/17	15:39:05	1.3333	47.784	95.842
2020/06/17	15:39:35	1.3417	47.692	95.378
2020/06/17	15:40:05	1.3500	47.714	95.043
2020/06/17	15:40:35	1.3583	47.733	94.730
2020/06/17	15:41:05	1.3667	47.746	94.419
2020/06/17	15:41:35	1.3750	47.709	94.122
2020/06/17	15:42:05	1.3833	47.731	93.817
2020/06/17	15:42:35	1.3917	47.732	93.526
2020/06/17	15:43:05	1.4000	47.734	93.234
2020/06/17	15:43:35	1.4083	47.731	92.950
2020/06/17	15:44:05	1.4167	47.614	92.520
2020/06/17	15:44:35	1.4250	47.397	91.182
2020/06/17	15:45:05	1.4333	47.130	89.623
POOH Gradient: 1000.000 ft				
2020/06/17	15:45:10	1.4347	47.134	89.377
2020/06/17	15:45:35	1.4417	47.100	88.786
2020/06/17	15:46:05	1.4500	47.114	88.455
2020/06/17	15:46:35	1.4583	47.079	88.147
2020/06/17	15:47:05	1.4667	47.091	87.849
2020/06/17	15:47:35	1.4750	47.053	87.539
2020/06/17	15:48:05	1.4833	47.071	87.237
2020/06/17	15:48:35	1.4917	47.076	86.938
2020/06/17	15:49:05	1.5000	47.091	86.643
2020/06/17	15:49:35	1.5083	47.048	86.355
2020/06/17	15:50:05	1.5167	47.078	86.058
2020/06/17	15:50:35	1.5250	46.853	85.163
2020/06/17	15:51:05	1.5333	46.563	83.575
POOH Gradient: 500.000 ft				
2020/06/17	15:51:25	1.5389	46.506	82.472
2020/06/17	15:51:35	1.5417	46.454	82.152
2020/06/17	15:52:05	1.5500	46.412	81.711
2020/06/17	15:52:35	1.5583	46.416	81.390
2020/06/17	15:53:05	1.5667	46.368	81.084
2020/06/17	15:53:35	1.5750	46.380	80.776
2020/06/17	15:54:05	1.5833	46.393	80.467
2020/06/17	15:54:35	1.5917	46.405	80.163
2020/06/17	15:55:05	1.6000	46.381	79.864
2020/06/17	15:55:35	1.6083	46.388	79.578
2020/06/17	15:56:05	1.6167	46.359	79.282
2020/06/17	15:56:35	1.6250	46.250	78.847
2020/06/17	15:57:05	1.6333	45.794	77.439
POOH Gradient: 0.000 ft				
2020/06/17	15:57:35	1.6417	45.373	76.001
2020/06/17	15:58:05	1.6500	45.356	75.985
2020/06/17	15:58:35	1.6583	45.322	76.435
2020/06/17	15:59:05	1.6667	45.338	76.982
2020/06/17	15:59:35	1.6750	45.352	77.623
2020/06/17	16:00:05	1.6833	45.398	78.260

Company Name HILCORP
Well Name JOHNSTON FEDERAL #22 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/17/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	16:00:35	1.6917	45.429	78.883
2020/06/17	16:01:05	1.7000	45.447	79.468
2020/06/17	16:01:35	1.7083	45.478	80.028
2020/06/17	16:02:05	1.7167	45.493	80.551
2020/06/17	16:02:35	1.7250	45.446	81.063
2020/06/17	16:03:05	1.7333	-3.887	81.376
2020/06/17	16:03:35	1.7417	-3.894	81.381
2020/06/17	16:04:05	1.7500	-3.866	81.135
2020/06/17	16:04:35	1.7583	-3.962	81.167