

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMSF081155

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
892000752B8. Well Name and No.
ALLISON UNIT POW 29. API Well No.
30-045-29004-00-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 19 T32N R6W NESE 1775FSL 0905FEL
36.963150 N Lat, 107.493900 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 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 6/11/2020.

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

**Electronic Submission #518775 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 06/17/2020 (20JK0612SE)**

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 06/17/2020

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	ALLISON UNIT #2 POW
Well Location	T32N-R6W-SEC19
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	3062-3134
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	6141
Plug Back Total Depth	3600
Total Depth	3645
Production Casing	4 1/2 TO 3643
Production Tubing	2 3/8 TO 3040

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/11/20
Dead-weight Gauge Tubing Pressure	90
Dead-weight Gauge Casing Pressure	100
Shut-in Date (Duration)	
Date / Time on Bottom	6/11/20 @1002
Date / Time off Bottom	6/11/20 @1102

Probe Serial Number	
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	3500

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	264.6 psig
Maximum Recorded Probe Temperature	130.1 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name HILCORP
Well Name ALLISON UNIT #2 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/11/20



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	ALLISON UNIT #2 POW
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/11/20



COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC.

RIH WITH 1.50 IMPRESSION BLOCK, TAGGED FILL @3586 WLM. RIH WITH BHP GAUGE TO 3500 WLM FOR 1 HOUR, THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

Company Name HILCORP
Well Name ALLISON UNIT #2 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/11/20



Pressure vs. Depth

Probe Serial Number

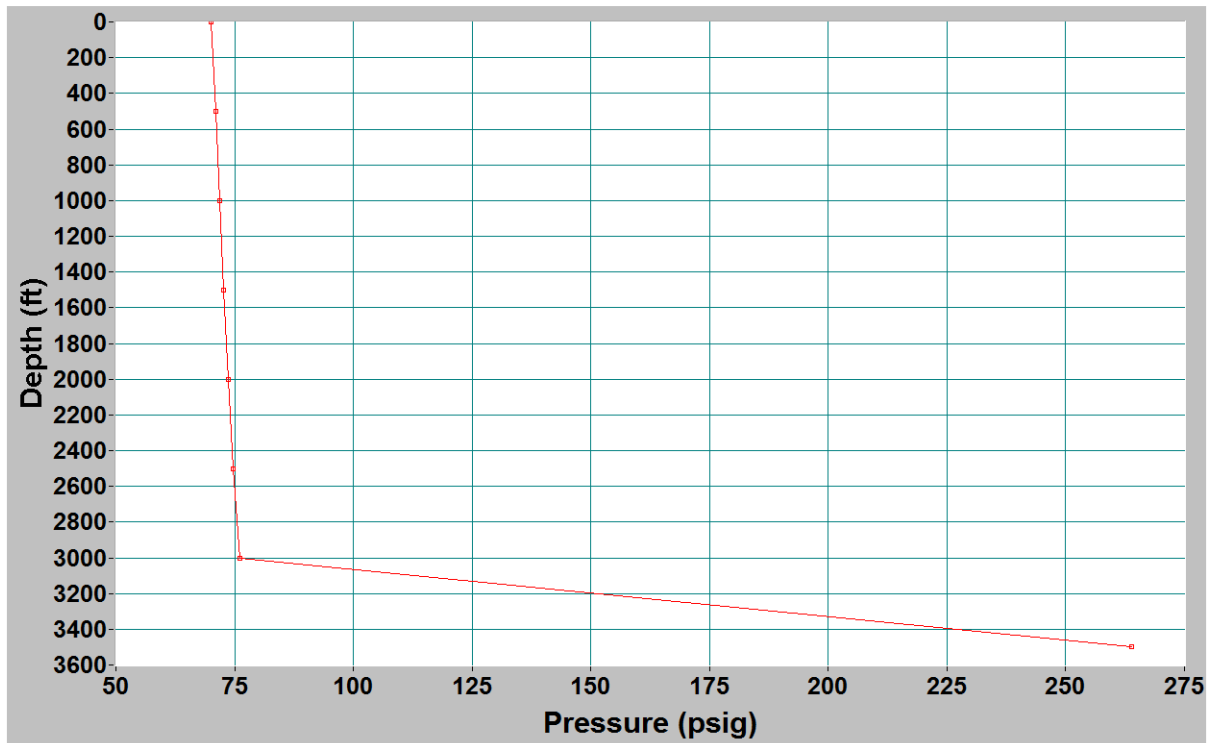
		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
1002	1102	3500.000	263.935	-	123.555	-
1104	1109	3000.000	76.045	0.3758	122.576	0.0020
1110	1115	2500.000	74.767	0.0026	116.811	0.0115
1116	1121	2000.000	73.626	0.0023	109.569	0.0145
1122	1127	1500.000	72.581	0.0021	102.297	0.0145
1128	1133	1000.000	71.782	0.0016	93.528	0.0175
1134	1139	500.000	70.971	0.0016	85.707	0.0156
1140	1145	0.000	69.983	0.0020	77.311	0.0168

Extrapolated to MPP:

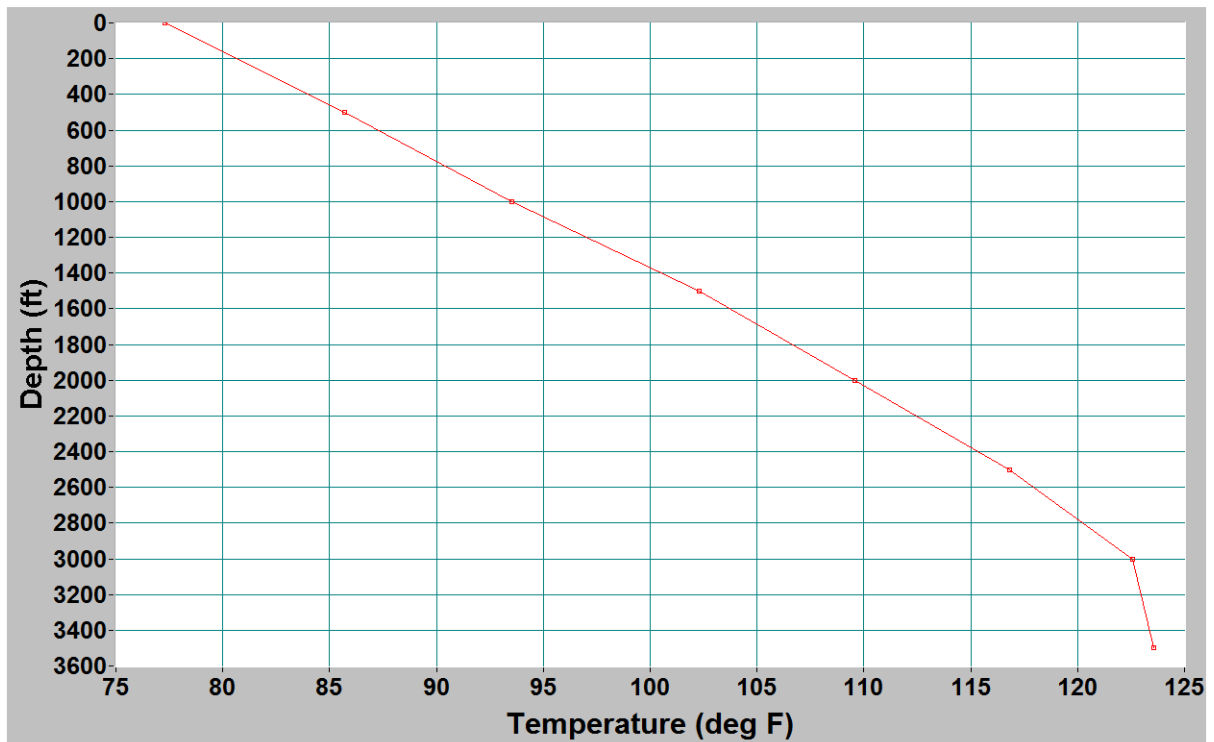
(ft)	(psig)	(deg F)
0.000		

Probe Serial Number

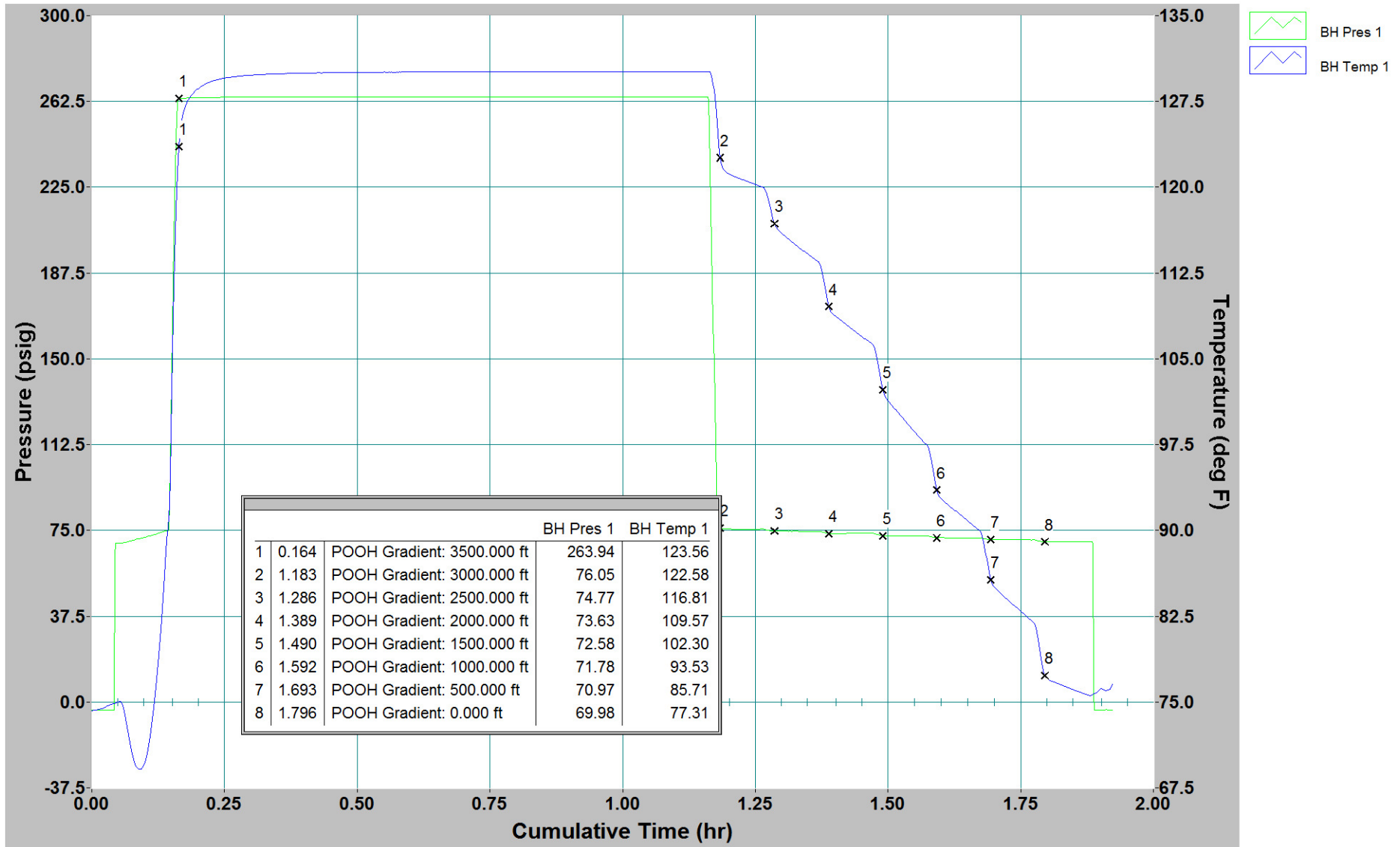
Depth vs. Pressure



Depth vs. Temperature



ALLISON UNIT #2 POW 2020



Company Name HILCORP
Well Name ALLISON UNIT #2 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/11/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/11	09:53:05	0.0000	-3.671	74.250
2020/06/11	09:53:35	0.0083	-3.557	74.298
2020/06/11	09:54:05	0.0167	-3.504	74.404
2020/06/11	09:54:35	0.0250	-3.487	74.536
2020/06/11	09:55:05	0.0333	-3.426	74.748
2020/06/11	09:55:35	0.0417	-3.411	74.858
2020/06/11	09:56:05	0.0500	69.486	75.013
2020/06/11	09:56:35	0.0583	69.584	74.725
2020/06/11	09:57:05	0.0667	69.964	72.819
2020/06/11	09:57:35	0.0750	70.406	70.788
2020/06/11	09:58:05	0.0833	70.965	69.433
2020/06/11	09:58:35	0.0917	71.489	69.134
2020/06/11	09:59:05	0.1000	71.999	69.757
2020/06/11	09:59:35	0.1083	72.577	71.595
2020/06/11	10:00:05	0.1167	73.110	74.534
2020/06/11	10:00:35	0.1250	73.703	78.366
2020/06/11	10:01:05	0.1333	74.401	83.134
2020/06/11	10:01:35	0.1417	74.755	89.204
2020/06/11	10:02:05	0.1500	142.087	102.043
2020/06/11	10:02:35	0.1583	245.813	118.000
POOH Gradient: 3500.000 ft				
2020/06/11	10:02:55	0.1639	263.935	123.555
2020/06/11	10:03:05	0.1667	263.932	125.001
2020/06/11	10:03:35	0.1750	263.962	126.900
2020/06/11	10:04:05	0.1833	264.105	127.711
2020/06/11	10:04:35	0.1917	264.223	128.233
2020/06/11	10:05:05	0.2000	264.229	128.613
2020/06/11	10:05:35	0.2083	264.270	128.883
2020/06/11	10:06:05	0.2167	264.247	129.094
2020/06/11	10:06:35	0.2250	264.254	129.250
2020/06/11	10:07:05	0.2333	264.282	129.367
2020/06/11	10:07:35	0.2417	264.298	129.457
2020/06/11	10:08:05	0.2500	264.322	129.540
2020/06/11	10:08:35	0.2583	264.336	129.601
2020/06/11	10:09:05	0.2667	264.343	129.655
2020/06/11	10:09:35	0.2750	264.350	129.699
2020/06/11	10:10:05	0.2833	264.350	129.738
2020/06/11	10:10:35	0.2917	264.357	129.774
2020/06/11	10:11:05	0.3000	264.371	129.801
2020/06/11	10:11:35	0.3083	264.371	129.821
2020/06/11	10:12:05	0.3167	264.397	129.850
2020/06/11	10:12:35	0.3250	264.323	129.868
2020/06/11	10:13:05	0.3333	264.342	129.879
2020/06/11	10:13:35	0.3417	264.354	129.893
2020/06/11	10:14:05	0.3500	264.357	129.909
2020/06/11	10:14:35	0.3583	264.356	129.922
2020/06/11	10:15:05	0.3667	264.367	129.925
2020/06/11	10:15:35	0.3750	264.371	129.949
2020/06/11	10:16:05	0.3833	264.365	129.958
2020/06/11	10:16:35	0.3917	264.364	129.967
2020/06/11	10:17:05	0.4000	264.365	129.972
2020/06/11	10:17:35	0.4083	264.371	129.987
2020/06/11	10:18:05	0.4167	264.371	129.988
2020/06/11	10:18:35	0.4250	264.373	129.999

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/11	10:19:05	0.4333	264.379	129.997
2020/06/11	10:19:35	0.4417	264.377	130.006
2020/06/11	10:20:05	0.4500	264.381	130.006
2020/06/11	10:20:35	0.4583	264.389	130.017
2020/06/11	10:21:05	0.4667	264.391	130.024
2020/06/11	10:21:35	0.4750	264.381	130.026
2020/06/11	10:22:05	0.4833	264.376	130.035
2020/06/11	10:22:35	0.4917	264.383	130.037
2020/06/11	10:23:05	0.5000	264.387	130.041
2020/06/11	10:23:35	0.5083	264.387	130.041
2020/06/11	10:24:05	0.5167	264.395	130.048
2020/06/11	10:24:35	0.5250	264.388	130.048
2020/06/11	10:25:05	0.5333	264.385	130.051
2020/06/11	10:25:35	0.5417	264.392	130.053
2020/06/11	10:26:05	0.5500	264.401	130.062
2020/06/11	10:26:35	0.5583	264.396	130.057
2020/06/11	10:27:05	0.5667	264.400	130.059
2020/06/11	10:27:35	0.5750	264.390	130.062
2020/06/11	10:28:05	0.5833	264.394	130.062
2020/06/11	10:28:35	0.5917	264.391	130.062
2020/06/11	10:29:05	0.6000	264.387	130.064
2020/06/11	10:29:35	0.6083	264.392	130.069
2020/06/11	10:30:05	0.6167	264.402	130.073
2020/06/11	10:30:35	0.6250	264.405	130.069
2020/06/11	10:31:05	0.6333	264.406	130.073
2020/06/11	10:31:35	0.6417	264.406	130.071
2020/06/11	10:32:05	0.6500	264.413	130.075
2020/06/11	10:32:35	0.6583	264.409	130.075
2020/06/11	10:33:05	0.6667	264.423	130.075
2020/06/11	10:33:35	0.6750	264.427	130.078
2020/06/11	10:34:05	0.6833	264.430	130.078
2020/06/11	10:34:35	0.6917	264.433	130.078
2020/06/11	10:35:05	0.7000	264.450	130.078
2020/06/11	10:35:35	0.7083	264.450	130.077
2020/06/11	10:36:05	0.7167	264.483	130.077
2020/06/11	10:36:35	0.7250	264.485	130.086
2020/06/11	10:37:05	0.7333	264.483	130.077
2020/06/11	10:37:35	0.7417	264.494	130.082
2020/06/11	10:38:05	0.7500	264.491	130.084
2020/06/11	10:38:35	0.7583	264.491	130.080
2020/06/11	10:39:05	0.7667	264.501	130.082
2020/06/11	10:39:35	0.7750	264.501	130.080
2020/06/11	10:40:05	0.7833	264.497	130.080
2020/06/11	10:40:35	0.7917	264.500	130.078
2020/06/11	10:41:05	0.8000	264.511	130.082
2020/06/11	10:41:35	0.8083	264.504	130.082
2020/06/11	10:42:05	0.8167	264.515	130.086
2020/06/11	10:42:35	0.8250	264.517	130.080
2020/06/11	10:43:05	0.8333	264.515	130.086
2020/06/11	10:43:35	0.8417	264.518	130.082
2020/06/11	10:44:05	0.8500	264.529	130.087
2020/06/11	10:44:35	0.8583	264.528	130.086
2020/06/11	10:45:05	0.8667	264.532	130.089
2020/06/11	10:45:35	0.8750	264.526	130.093

Company Name HILCORP
Well Name ALLISON UNIT #2 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/11/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/11	10:46:05	0.8833	264.535	130.087
2020/06/11	10:46:35	0.8917	264.526	130.095
2020/06/11	10:47:05	0.9000	264.533	130.091
2020/06/11	10:47:35	0.9083	264.525	130.087
2020/06/11	10:48:05	0.9167	264.512	130.087
2020/06/11	10:48:35	0.9250	264.518	130.086
2020/06/11	10:49:05	0.9333	264.509	130.091
2020/06/11	10:49:35	0.9417	264.506	130.091
2020/06/11	10:50:05	0.9500	264.506	130.091
2020/06/11	10:50:35	0.9583	264.523	130.095
2020/06/11	10:51:05	0.9667	264.506	130.091
2020/06/11	10:51:35	0.9750	264.500	130.093
2020/06/11	10:52:05	0.9833	264.506	130.091
2020/06/11	10:52:35	0.9917	264.509	130.091
2020/06/11	10:53:05	1.0000	264.513	130.095
2020/06/11	10:53:35	1.0083	264.517	130.098
2020/06/11	10:54:05	1.0167	264.514	130.098
2020/06/11	10:54:35	1.0250	264.507	130.098
2020/06/11	10:55:05	1.0333	264.523	130.093
2020/06/11	10:55:35	1.0417	264.524	130.096
2020/06/11	10:56:05	1.0500	264.533	130.095
2020/06/11	10:56:35	1.0583	264.546	130.091
2020/06/11	10:57:05	1.0667	264.557	130.096
2020/06/11	10:57:35	1.0750	264.546	130.091
2020/06/11	10:58:05	1.0833	264.546	130.093
2020/06/11	10:58:35	1.0917	264.540	130.095
2020/06/11	10:59:05	1.1000	264.537	130.096
2020/06/11	10:59:35	1.1083	264.530	130.096
2020/06/11	11:00:05	1.1167	264.534	130.100
2020/06/11	11:00:35	1.1250	264.534	130.100
2020/06/11	11:01:05	1.1333	264.548	130.104
2020/06/11	11:01:35	1.1417	264.554	130.098
2020/06/11	11:02:05	1.1500	264.557	130.098
2020/06/11	11:02:35	1.1583	264.553	130.091
2020/06/11	11:03:05	1.1667	216.447	129.947
2020/06/11	11:03:35	1.1750	113.583	127.218
POOH Gradient: 3000.000 ft				
2020/06/11	11:04:05	1.1833	76.045	122.576
2020/06/11	11:04:35	1.1917	75.634	121.471
2020/06/11	11:05:05	1.2000	75.627	121.167
2020/06/11	11:05:35	1.2083	75.517	120.988
2020/06/11	11:06:05	1.2167	75.523	120.828
2020/06/11	11:06:35	1.2250	75.524	120.684
2020/06/11	11:07:05	1.2333	75.532	120.535
2020/06/11	11:07:35	1.2417	75.543	120.387
2020/06/11	11:08:05	1.2500	75.571	120.240
2020/06/11	11:08:35	1.2583	75.553	120.088
2020/06/11	11:09:05	1.2667	75.442	119.939
2020/06/11	11:09:35	1.2750	75.094	118.945
2020/06/11	11:10:05	1.2833	74.806	117.293
POOH Gradient: 2500.000 ft				
2020/06/11	11:10:15	1.2861	74.767	116.811
2020/06/11	11:10:35	1.2917	74.726	116.325
2020/06/11	11:11:05	1.3000	74.678	115.945

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/11	11:11:35	1.3083	74.683	115.626
2020/06/11	11:12:05	1.3167	74.638	115.308
2020/06/11	11:12:35	1.3250	74.636	115.002
2020/06/11	11:13:05	1.3333	74.614	114.701
2020/06/11	11:13:35	1.3417	74.618	114.400
2020/06/11	11:14:05	1.3500	74.612	114.103
2020/06/11	11:14:35	1.3583	74.598	113.828
2020/06/11	11:15:05	1.3667	74.611	113.547
2020/06/11	11:15:35	1.3750	74.337	112.771
2020/06/11	11:16:05	1.3833	73.892	110.876
POOH Gradient: 2000.000 ft				
2020/06/11	11:16:25	1.3889	73.626	109.569
2020/06/11	11:16:35	1.3917	73.640	109.215
2020/06/11	11:17:05	1.4000	73.624	108.766
2020/06/11	11:17:35	1.4083	73.646	108.455
2020/06/11	11:18:05	1.4167	73.677	108.158
2020/06/11	11:18:35	1.4250	73.694	107.861
2020/06/11	11:19:05	1.4333	73.715	107.559
2020/06/11	11:19:35	1.4417	73.726	107.269
2020/06/11	11:20:05	1.4500	73.698	106.983
2020/06/11	11:20:35	1.4583	73.721	106.691
2020/06/11	11:21:05	1.4667	73.744	106.414
2020/06/11	11:21:35	1.4750	73.497	105.877
2020/06/11	11:22:05	1.4833	72.994	104.013
POOH Gradient: 1500.000 ft				
2020/06/11	11:22:30	1.4903	72.581	102.297
2020/06/11	11:22:35	1.4917	72.591	102.074
2020/06/11	11:23:05	1.5000	72.634	101.376
2020/06/11	11:23:35	1.5083	72.624	100.895
2020/06/11	11:24:05	1.5167	72.595	100.429
2020/06/11	11:24:35	1.5250	72.610	99.968
2020/06/11	11:25:05	1.5333	72.619	99.514
2020/06/11	11:25:35	1.5417	72.608	99.066
2020/06/11	11:26:05	1.5500	72.625	98.631
2020/06/11	11:26:35	1.5583	72.641	98.202
2020/06/11	11:27:05	1.5667	72.606	97.783
2020/06/11	11:27:35	1.5750	72.522	97.318
2020/06/11	11:28:05	1.5833	72.061	95.635
POOH Gradient: 1000.000 ft				
2020/06/11	11:28:35	1.5917	71.782	93.528
2020/06/11	11:29:05	1.6000	71.803	92.777
2020/06/11	11:29:35	1.6083	71.789	92.430
2020/06/11	11:30:05	1.6167	71.787	92.107
2020/06/11	11:30:35	1.6250	71.743	91.789
2020/06/11	11:31:05	1.6333	71.746	91.476
2020/06/11	11:31:35	1.6417	71.740	91.155
2020/06/11	11:32:05	1.6500	71.751	90.835
2020/06/11	11:32:35	1.6583	71.735	90.525
2020/06/11	11:33:05	1.6667	71.748	90.210
2020/06/11	11:33:35	1.6750	71.707	89.892
2020/06/11	11:34:05	1.6833	71.235	88.264
2020/06/11	11:34:35	1.6917	70.957	85.984
POOH Gradient: 500.000 ft				
2020/06/11	11:34:40	1.6931	70.971	85.707

Company Name HILCORP
Well Name ALLISON UNIT #2 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/11/20



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/11	11:35:05	1.7000	70.882	85.037
2020/06/11	11:35:35	1.7083	70.906	84.650
2020/06/11	11:36:05	1.7167	70.924	84.310
2020/06/11	11:36:35	1.7250	70.932	83.966
2020/06/11	11:37:05	1.7333	70.937	83.622
2020/06/11	11:37:35	1.7417	70.926	83.277
2020/06/11	11:38:05	1.7500	70.910	82.929
2020/06/11	11:38:35	1.7583	70.908	82.591
2020/06/11	11:39:05	1.7667	70.922	82.251
2020/06/11	11:39:35	1.7750	70.863	81.919
2020/06/11	11:40:05	1.7833	70.509	80.429
2020/06/11	11:40:35	1.7917	70.061	78.057
POOH Gradient: 0.000 ft				
2020/06/11	11:40:50	1.7958	69.983	77.311
2020/06/11	11:41:05	1.8000	69.977	77.032
2020/06/11	11:41:35	1.8083	69.974	76.815
2020/06/11	11:42:05	1.8167	69.970	76.671
2020/06/11	11:42:35	1.8250	69.964	76.519
2020/06/11	11:43:05	1.8333	69.963	76.374
2020/06/11	11:43:35	1.8417	69.953	76.219
2020/06/11	11:44:05	1.8500	69.965	76.066
2020/06/11	11:44:35	1.8583	69.964	75.916
2020/06/11	11:45:05	1.8667	69.954	75.767
2020/06/11	11:45:35	1.8750	69.965	75.630
2020/06/11	11:46:05	1.8833	69.982	75.610
2020/06/11	11:46:35	1.8917	-3.558	75.789
2020/06/11	11:47:05	1.9000	-3.549	76.118
2020/06/11	11:47:35	1.9083	-3.501	76.030
2020/06/11	11:48:05	1.9167	-3.504	76.091