

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.
NMSF078511A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other: UNKNOWN MW8. Well Name and No.
QUINN POW 1

2. Name of Operator

HILCORP ENERGY COMPANY

Contact: PRISCILLA SHORTY

E-Mail: pshorty@hilcorp.com

9. API Well No.

30-045-29003-00-S1

3a. Address

1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)

Ph: 505-324-5188

10. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

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

Sec 17 T31N R8W SWNW 1450FNL 0810FWL
36.901001 N Lat, 107.704483 W Lon

11. County or Parish, State

SAN JUAN COUNTY, NM

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 6/17/2020.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #519507 verified by the BLM Well Information System	
For HILCORP ENERGY COMPANY, sent to the Farmington	
Committed to AFMSS for processing by JOE KILLINS on 06/23/2020 (20JK0719SE)	
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 06/23/2020
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	QUINN #1 POW
Well Location	T31N-R8W-SEC17
Field and Pool	BASIN FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	12
Casing Flange (CF)	
KB-CF	
Ground Level	6438
Plug Back Total Depth	3571
Total Depth	3617
Production Casing	4 1/2 TO 3615
Production Tubing	1 1/2 TO 3240

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/17/20
Dead-weight Gauge Tubing Pressure	34
Dead-weight Gauge Casing Pressure	92
Shut-in Date (Duration)	
Date / Time on Bottom	6/17/20 @0830
Date / Time off Bottom	6/17/20 @0930

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	136.0 psig
Maximum Recorded Probe Temperature	131.6 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

Company Name HILCORP
Well Name QUINN #1 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	QUINN #1 POW
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/17/20



COMMENTS

Reported By

EXPERT DOWNHOLE SERVICES, INC.

RIH WITH 1.25 IMPRESSION BLOCK, TAGGED FILL @3550 WLM. RIH WITH BHP GAUGES TO 3500 WLM FOR 1 HOUR THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

Company Name HILCORP
Well Name QUINN #1 POW
Type of Test POOH STATIC GRADIENT
Date(s) of Test 6/17/20



Pressure vs. Depth

Probe Serial Number

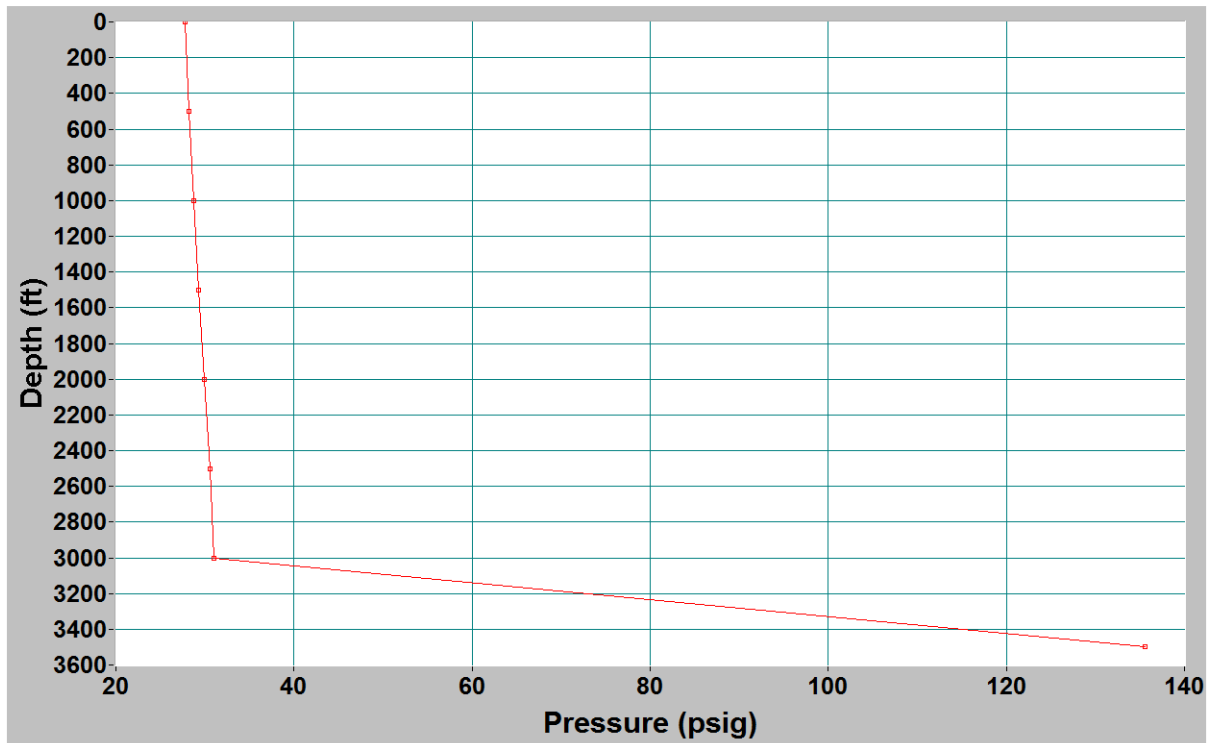
		(ft)	(psig)	(psi/ft)	(deg F)	(deg F/ft)
0830	0930	3500.000	135.545	-	116.577	-
0931	0936	3000.000	30.973	0.2091	124.268	-0.0154
0938	0943	2500.000	30.580	0.0008	115.354	0.0178
0944	0949	2000.000	29.935	0.0013	106.263	0.0182
0950	0955	1500.000	29.234	0.0014	99.127	0.0143
0956	1001	1000.000	28.707	0.0011	91.726	0.0148
1003	1008	500.000	28.198	0.0010	84.585	0.0143
1009	1014	0.000	27.725	0.0009	77.220	0.0147

Extrapolated to MPP:

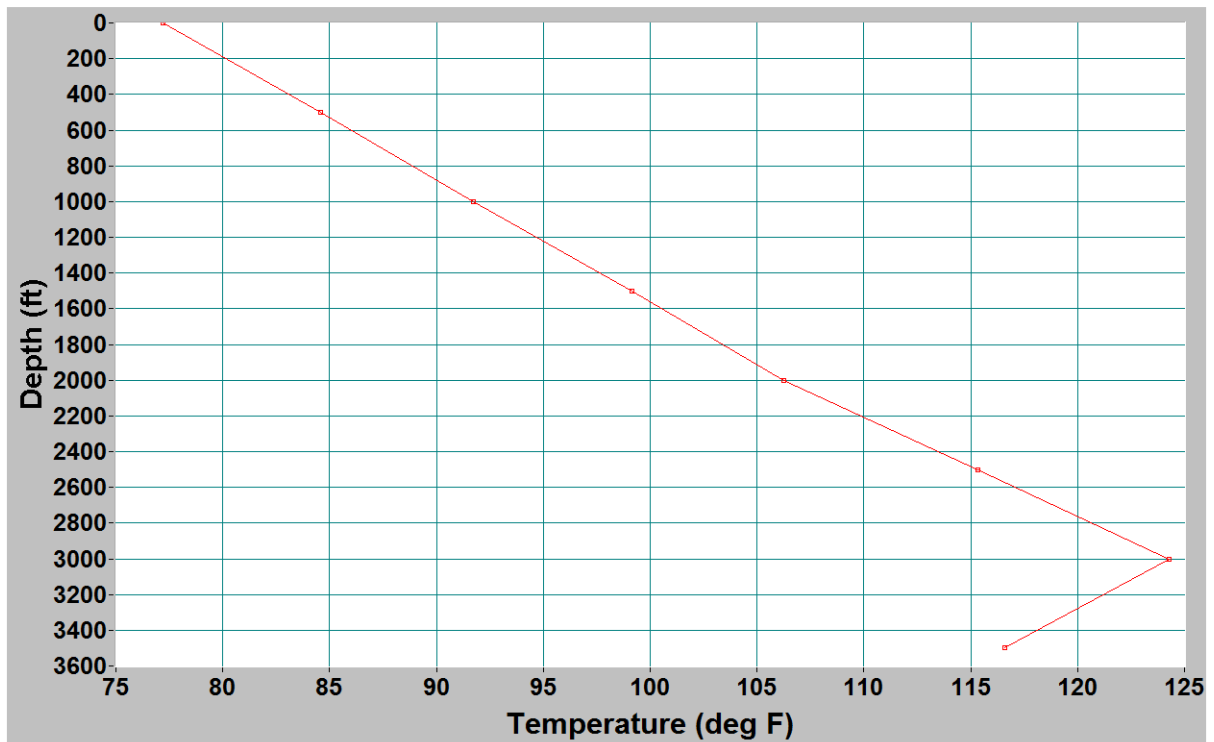
(ft)	(psig)	(deg F)
0.000		

Probe Serial Number

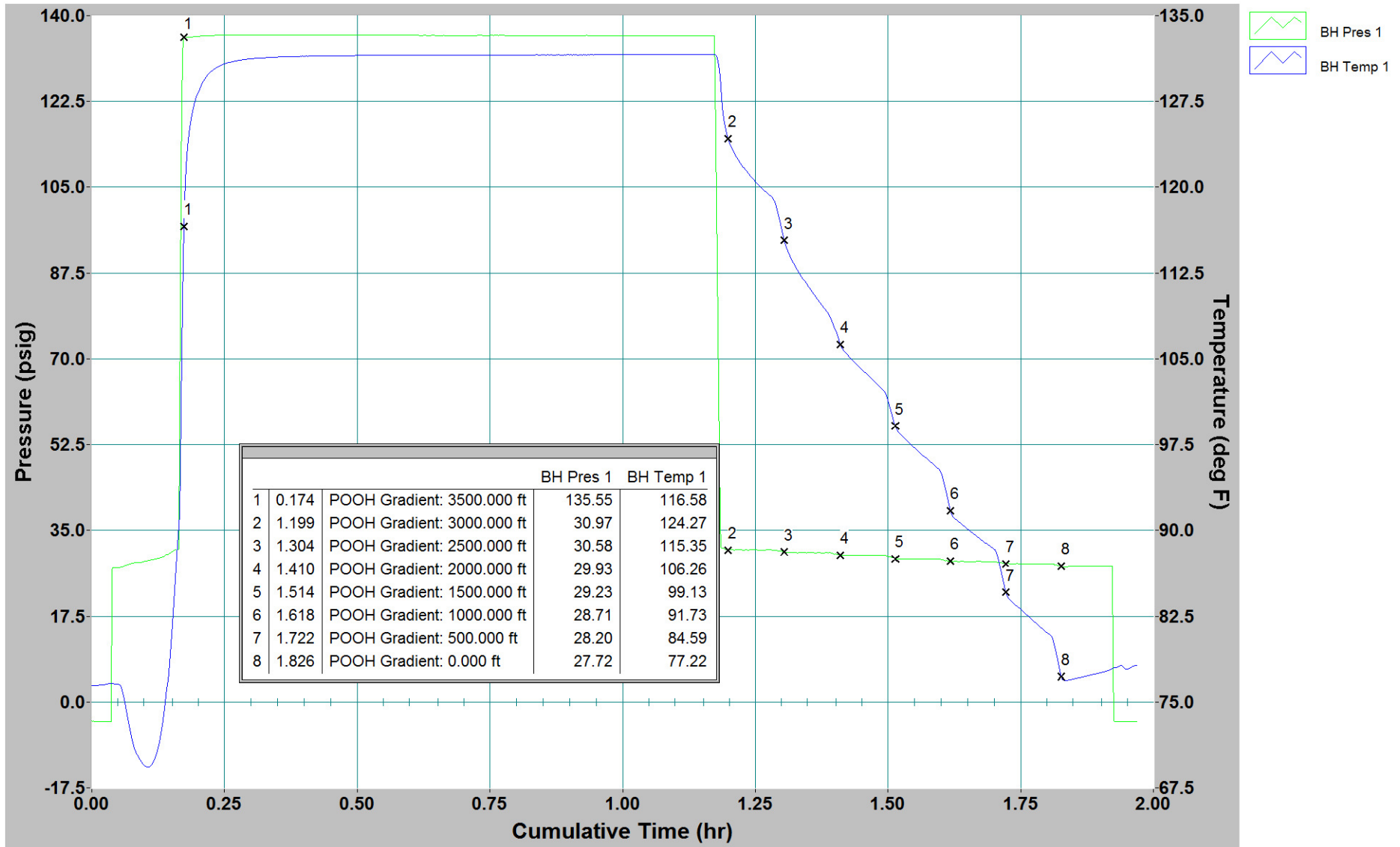
Depth vs. Pressure



Depth vs. Temperature



QUINN #1 POW 2020



Company Name HILCORP
Well Name QUINN #1 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	08:19:50	0.0000	-3.920	76.458
2020/06/17	08:20:20	0.0083	-3.934	76.446
2020/06/17	08:20:50	0.0167	-3.952	76.483
2020/06/17	08:21:20	0.0250	-3.967	76.521
2020/06/17	08:21:50	0.0333	-3.984	76.609
2020/06/17	08:22:20	0.0417	27.393	76.584
2020/06/17	08:22:50	0.0500	27.474	76.530
2020/06/17	08:23:20	0.0583	27.616	75.825
2020/06/17	08:23:50	0.0667	27.968	73.900
2020/06/17	08:24:20	0.0750	28.269	71.983
2020/06/17	08:24:50	0.0833	28.414	70.648
2020/06/17	08:25:20	0.0917	28.502	69.863
2020/06/17	08:25:50	0.1000	28.802	69.408
2020/06/17	08:26:20	0.1083	28.873	69.352
2020/06/17	08:26:50	0.1167	29.080	69.820
2020/06/17	08:27:20	0.1250	29.301	70.977
2020/06/17	08:27:50	0.1333	29.627	72.970
2020/06/17	08:28:20	0.1417	30.040	76.199
2020/06/17	08:28:50	0.1500	30.575	80.901
2020/06/17	08:29:20	0.1583	31.121	86.781
2020/06/17	08:29:50	0.1667	82.074	95.347
POOH Gradient: 3500.000 ft				
2020/06/17	08:30:15	0.1736	135.545	116.577
2020/06/17	08:30:20	0.1750	135.544	118.845
2020/06/17	08:30:50	0.1833	135.574	124.682
2020/06/17	08:31:20	0.1917	135.686	126.914
2020/06/17	08:31:50	0.2000	135.800	128.248
2020/06/17	08:32:20	0.2083	135.836	129.139
2020/06/17	08:32:50	0.2167	135.912	129.733
2020/06/17	08:33:20	0.2250	135.948	130.129
2020/06/17	08:33:50	0.2333	135.971	130.408
2020/06/17	08:34:20	0.2417	135.992	130.620
2020/06/17	08:34:50	0.2500	136.013	130.793
2020/06/17	08:35:20	0.2583	136.022	130.908
2020/06/17	08:35:50	0.2667	136.027	131.004
2020/06/17	08:36:20	0.2750	136.036	131.081
2020/06/17	08:36:50	0.2833	136.037	131.139
2020/06/17	08:37:20	0.2917	136.045	131.189
2020/06/17	08:37:50	0.3000	136.042	131.232
2020/06/17	08:38:20	0.3083	136.033	131.265
2020/06/17	08:38:50	0.3167	136.017	131.293
2020/06/17	08:39:20	0.3250	136.018	131.315
2020/06/17	08:39:50	0.3333	136.015	131.346
2020/06/17	08:40:20	0.3417	136.019	131.365
2020/06/17	08:40:50	0.3500	136.019	131.378
2020/06/17	08:41:20	0.3583	136.023	131.389
2020/06/17	08:41:50	0.3667	136.016	131.405
2020/06/17	08:42:20	0.3750	136.013	131.414
2020/06/17	08:42:50	0.3833	136.007	131.423
2020/06/17	08:43:20	0.3917	136.004	131.437
2020/06/17	08:43:50	0.4000	136.004	131.450
2020/06/17	08:44:20	0.4083	136.004	131.455
2020/06/17	08:44:50	0.4167	135.994	131.457
2020/06/17	08:45:20	0.4250	135.988	131.466

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	08:45:50	0.4333	135.988	131.468
2020/06/17	08:46:20	0.4417	135.988	131.477
2020/06/17	08:46:50	0.4500	135.988	131.488
2020/06/17	08:47:20	0.4583	135.991	131.490
2020/06/17	08:47:50	0.4667	135.992	131.499
2020/06/17	08:48:20	0.4750	135.995	131.497
2020/06/17	08:48:50	0.4833	136.002	131.500
2020/06/17	08:49:20	0.4917	136.002	131.506
2020/06/17	08:49:50	0.5000	135.995	131.511
2020/06/17	08:50:20	0.5083	135.992	131.513
2020/06/17	08:50:50	0.5167	135.989	131.515
2020/06/17	08:51:20	0.5250	135.985	131.520
2020/06/17	08:51:50	0.5333	135.979	131.518
2020/06/17	08:52:20	0.5417	135.979	131.518
2020/06/17	08:52:50	0.5500	135.979	131.522
2020/06/17	08:53:20	0.5583	135.982	131.529
2020/06/17	08:53:50	0.5667	135.985	131.527
2020/06/17	08:54:20	0.5750	135.986	131.533
2020/06/17	08:54:50	0.5833	135.979	131.535
2020/06/17	08:55:20	0.5917	135.982	131.536
2020/06/17	08:55:50	0.6000	135.976	131.533
2020/06/17	08:56:20	0.6083	135.972	131.535
2020/06/17	08:56:50	0.6167	135.962	131.535
2020/06/17	08:57:20	0.6250	135.966	131.540
2020/06/17	08:57:50	0.6333	135.959	131.533
2020/06/17	08:58:20	0.6417	135.966	131.547
2020/06/17	08:58:50	0.6500	135.962	131.544
2020/06/17	08:59:20	0.6583	135.963	131.547
2020/06/17	08:59:50	0.6667	135.959	131.549
2020/06/17	09:00:20	0.6750	135.959	131.553
2020/06/17	09:00:50	0.6833	135.956	131.553
2020/06/17	09:01:20	0.6917	135.953	131.551
2020/06/17	09:01:50	0.7000	135.959	131.547
2020/06/17	09:02:20	0.7083	135.959	131.553
2020/06/17	09:02:50	0.7167	135.963	131.554
2020/06/17	09:03:20	0.7250	135.963	131.551
2020/06/17	09:03:50	0.7333	135.966	131.554
2020/06/17	09:04:20	0.7417	135.963	131.556
2020/06/17	09:04:50	0.7500	135.966	131.556
2020/06/17	09:05:20	0.7583	135.966	131.556
2020/06/17	09:05:50	0.7667	135.963	131.563
2020/06/17	09:06:20	0.7750	135.976	131.560
2020/06/17	09:06:50	0.7833	135.953	131.571
2020/06/17	09:07:20	0.7917	135.956	131.562
2020/06/17	09:07:50	0.8000	135.956	131.562
2020/06/17	09:08:20	0.8083	135.956	131.565
2020/06/17	09:08:50	0.8167	135.950	131.560
2020/06/17	09:09:20	0.8250	135.953	131.563
2020/06/17	09:09:50	0.8333	135.956	131.565
2020/06/17	09:10:20	0.8417	135.950	131.571
2020/06/17	09:10:50	0.8500	135.950	131.574
2020/06/17	09:11:20	0.8583	135.950	131.572
2020/06/17	09:11:50	0.8667	135.953	131.572
2020/06/17	09:12:20	0.8750	135.943	131.571

Company Name HILCORP
Well Name QUINN #1 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	09:12:50	0.8833	135.950	131.569
2020/06/17	09:13:20	0.8917	135.953	131.569
2020/06/17	09:13:50	0.9000	135.946	131.567
2020/06/17	09:14:20	0.9083	135.943	131.572
2020/06/17	09:14:50	0.9167	135.963	131.571
2020/06/17	09:15:20	0.9250	135.960	131.567
2020/06/17	09:15:50	0.9333	135.966	131.569
2020/06/17	09:16:20	0.9417	135.950	131.572
2020/06/17	09:16:50	0.9500	135.956	131.572
2020/06/17	09:17:20	0.9583	135.960	131.572
2020/06/17	09:17:50	0.9667	135.953	131.574
2020/06/17	09:18:20	0.9750	135.950	131.578
2020/06/17	09:18:50	0.9833	135.946	131.580
2020/06/17	09:19:20	0.9917	135.940	131.580
2020/06/17	09:19:50	1.0000	135.946	131.580
2020/06/17	09:20:20	1.0083	135.947	131.585
2020/06/17	09:20:50	1.0167	135.943	131.581
2020/06/17	09:21:20	1.0250	135.943	131.589
2020/06/17	09:21:50	1.0333	135.950	131.583
2020/06/17	09:22:20	1.0417	135.946	131.580
2020/06/17	09:22:50	1.0500	135.946	131.580
2020/06/17	09:23:20	1.0583	135.943	131.589
2020/06/17	09:23:50	1.0667	135.953	131.581
2020/06/17	09:24:20	1.0750	135.937	131.583
2020/06/17	09:24:50	1.0833	135.937	131.583
2020/06/17	09:25:20	1.0917	135.933	131.585
2020/06/17	09:25:50	1.1000	135.933	131.587
2020/06/17	09:26:20	1.1083	135.940	131.587
2020/06/17	09:26:50	1.1167	135.943	131.589
2020/06/17	09:27:20	1.1250	135.953	131.590
2020/06/17	09:27:50	1.1333	135.940	131.585
2020/06/17	09:28:20	1.1417	135.933	131.590
2020/06/17	09:28:50	1.1500	135.933	131.585
2020/06/17	09:29:20	1.1583	135.933	131.587
2020/06/17	09:29:50	1.1667	135.927	131.589
2020/06/17	09:30:20	1.1750	114.491	131.567
2020/06/17	09:30:50	1.1833	37.113	129.668
2020/06/17	09:31:20	1.1917	31.295	125.618
POOH Gradient: 3000.000 ft				
2020/06/17	09:31:45	1.1986	30.973	124.268
2020/06/17	09:31:50	1.2000	31.021	124.066
2020/06/17	09:32:20	1.2083	31.080	123.202
2020/06/17	09:32:50	1.2167	31.076	122.526
2020/06/17	09:33:20	1.2250	31.094	121.930
2020/06/17	09:33:50	1.2333	31.068	121.401
2020/06/17	09:34:20	1.2417	31.053	120.924
2020/06/17	09:34:50	1.2500	31.023	120.495
2020/06/17	09:35:20	1.2583	30.981	120.090
2020/06/17	09:35:50	1.2667	30.997	119.736
2020/06/17	09:36:20	1.2750	31.014	119.417
2020/06/17	09:36:50	1.2833	31.007	119.062
2020/06/17	09:37:20	1.2917	30.790	117.844
2020/06/17	09:37:50	1.3000	30.761	116.215
POOH Gradient: 2500.000 ft				

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/17	09:38:05	1.3042	30.580	115.354
2020/06/17	09:38:20	1.3083	30.433	114.762
2020/06/17	09:38:50	1.3167	30.475	113.880
2020/06/17	09:39:20	1.3250	30.520	113.146
2020/06/17	09:39:50	1.3333	30.442	112.494
2020/06/17	09:40:20	1.3417	30.464	111.889
2020/06/17	09:40:50	1.3500	30.446	111.315
2020/06/17	09:41:20	1.3583	30.495	110.764
2020/06/17	09:41:50	1.3667	30.434	110.228
2020/06/17	09:42:20	1.3750	30.396	109.728
2020/06/17	09:42:50	1.3833	30.437	109.240
2020/06/17	09:43:20	1.3917	30.446	108.644
2020/06/17	09:43:50	1.4000	30.115	107.658
2020/06/17	09:44:20	1.4083	29.954	106.466
POOH Gradient: 2000.000 ft				
2020/06/17	09:44:25	1.4097	29.935	106.263
2020/06/17	09:44:50	1.4167	29.868	105.710
2020/06/17	09:45:20	1.4250	29.887	105.283
2020/06/17	09:45:50	1.4333	29.886	104.866
2020/06/17	09:46:20	1.4417	29.912	104.472
2020/06/17	09:46:50	1.4500	29.939	104.086
2020/06/17	09:47:20	1.4583	29.934	103.705
2020/06/17	09:47:50	1.4667	29.871	103.329
2020/06/17	09:48:20	1.4750	29.876	102.969
2020/06/17	09:48:50	1.4833	29.898	102.609
2020/06/17	09:49:20	1.4917	29.897	102.249
2020/06/17	09:49:50	1.5000	29.727	101.392
2020/06/17	09:50:20	1.5083	29.441	100.067
POOH Gradient: 1500.000 ft				
2020/06/17	09:50:40	1.5139	29.234	99.127
2020/06/17	09:50:50	1.5167	29.214	98.796
2020/06/17	09:51:20	1.5250	29.168	98.303
2020/06/17	09:51:50	1.5333	29.165	97.936
2020/06/17	09:52:20	1.5417	29.187	97.587
2020/06/17	09:52:50	1.5500	29.157	97.228
2020/06/17	09:53:20	1.5583	29.176	96.876
2020/06/17	09:53:50	1.5667	29.184	96.530
2020/06/17	09:54:20	1.5750	29.124	96.184
2020/06/17	09:54:50	1.5833	29.138	95.844
2020/06/17	09:55:20	1.5917	29.135	95.509
2020/06/17	09:55:50	1.6000	29.082	95.054
2020/06/17	09:56:20	1.6083	28.781	93.673
2020/06/17	09:56:50	1.6167	28.722	91.989
POOH Gradient: 1000.000 ft				
2020/06/17	09:56:55	1.6181	28.707	91.726
2020/06/17	09:57:20	1.6250	28.669	91.096
2020/06/17	09:57:50	1.6333	28.653	90.736
2020/06/17	09:58:20	1.6417	28.677	90.423
2020/06/17	09:58:50	1.6500	28.621	90.109
2020/06/17	09:59:20	1.6583	28.652	89.814
2020/06/17	09:59:50	1.6667	28.671	89.512
2020/06/17	10:00:20	1.6750	28.689	89.220
2020/06/17	10:00:50	1.6833	28.622	88.920
2020/06/17	10:01:20	1.6917	28.627	88.632

Company Name HILCORP
Well Name QUINN #1 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	10:01:50	1.7000	28.616	88.344
2020/06/17	10:02:20	1.7083	28.443	87.364
2020/06/17	10:02:50	1.7167	28.353	85.705
POOH Gradient: 500.000 ft				
2020/06/17	10:03:10	1.7222	28.198	84.585
2020/06/17	10:03:20	1.7250	28.230	84.277
2020/06/17	10:03:50	1.7333	28.210	83.791
2020/06/17	10:04:20	1.7417	28.220	83.430
2020/06/17	10:04:50	1.7500	28.181	83.084
2020/06/17	10:05:20	1.7583	28.205	82.738
2020/06/17	10:05:50	1.7667	28.200	82.396
2020/06/17	10:06:20	1.7750	28.163	82.058
2020/06/17	10:06:50	1.7833	28.189	81.721
2020/06/17	10:07:20	1.7917	28.209	81.381
2020/06/17	10:07:50	1.8000	28.194	81.048
2020/06/17	10:08:20	1.8083	28.169	80.686
2020/06/17	10:08:50	1.8167	27.949	79.282
2020/06/17	10:09:20	1.8250	27.770	77.459
POOH Gradient: 0.000 ft				
2020/06/17	10:09:25	1.8264	27.725	77.220
2020/06/17	10:09:50	1.8333	27.630	76.870
2020/06/17	10:10:20	1.8417	27.644	76.914
2020/06/17	10:10:50	1.8500	27.644	76.996
2020/06/17	10:11:20	1.8583	27.648	77.101
2020/06/17	10:11:50	1.8667	27.656	77.196
2020/06/17	10:12:20	1.8750	27.657	77.290
2020/06/17	10:12:50	1.8833	27.681	77.383
2020/06/17	10:13:20	1.8917	27.687	77.470
2020/06/17	10:13:50	1.9000	27.687	77.560
2020/06/17	10:14:20	1.9083	27.745	77.650
2020/06/17	10:14:50	1.9167	27.741	77.796
2020/06/17	10:15:20	1.9250	-3.839	78.010
2020/06/17	10:15:50	1.9333	-3.957	78.069
2020/06/17	10:16:20	1.9417	-3.978	78.123
2020/06/17	10:16:50	1.9500	-3.956	77.857
2020/06/17	10:17:20	1.9583	-4.016	78.022
2020/06/17	10:17:50	1.9667	-4.040	78.197