Form 3160-5
(June 2015)

OCD Received
6/17/2020

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMSF079391

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
8910009500

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: UNKNOWN MW

8. Well Name and No.
SAN JUAN 27-5 UNIT POW 916

2. Name of Operator
HILCORP ENERGY COMPANY
Contact: PRISCILLA SHORTY
E-Mail: pshorty@hilcorp.com

9. API Well No.
30-039-30300-00-C1

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 DAKOTA
BLANCO MESAVERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 8 T27N R5W SENW 2541FNL 2541FWL
36.588798 N Lat, 107.382497 W Lon

11. County or Parish, State
RIO ARRIBA 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
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 recomplete 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 recompletion 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 #518762 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 (20JK0611SE)

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 ACCEPTED — Title JOE KILLINS 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 ****

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 27-5 UNIT POW 916
Well Location	T27N-R5W-SEC8
Field and Pool	MV/DK
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	4564-7876
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	15
Casing Flange (CF)	
KB-CF	
Ground Level	6599
Plug Back Total Depth	7968
Total Depth	8040
Production Casing	
Production Tubing	2 3/8

TEST INFORMATION

Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/10/20
Dead-weight Gauge Tubing Pressure	112
Dead-weight Gauge Casing Pressure	60
Shut-in Date (Duration)	
Date / Time on Bottom	6/10/20 @0857
Date / Time off Bottom	6/10/20 @0957
Probe Serial Number	
Probe Offset from End of Tool String	0-6000
Run Depth at Probe Pressure Port	7500

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	251.5 psig
Maximum Recorded Probe Temperature	198.5 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	

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

Step	Sample Mode	Period	Duration	Comment

Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name

COMMENTS

Reported By EXPERT DOWNHOLE SERVICES, INC.

RIH WITH 1.50 IMPRESSION BLOCK, TAGGED FILL @7600 WLM. RIH WITH BHP GAUGE TO 7500 WLM FOR 1 HOUR, THEN POOH MAKING 5 MINUTE STOPS PER REQUEST.

Company Name	HILCORP
Well Name	SAN JUAN 27-5 UNIT POW 916
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)
0857	0957	7500.000	250.836	-	191.683	-
0958	1003	7000.000	126.664	0.2483	191.503	0.0004
1005	1010	6500.000	125.215	0.0029	186.555	0.0099
1012	1017	6000.000	123.544	0.0033	178.833	0.0154
1018	1023	5500.000	122.001	0.0031	170.487	0.0167
1025	1030	5000.000	120.482	0.0030	161.208	0.0186
1031	1036	4500.000	118.867	0.0032	152.159	0.0181
1037	1042	4000.000	117.324	0.0031	144.154	0.0160
1044	1049	3500.000	115.716	0.0032	135.442	0.0174
1050	1055	3000.000	114.221	0.0030	124.902	0.0211
1057	1102	2500.000	112.687	0.0031	113.032	0.0237
1103	1108	2000.000	111.229	0.0029	102.706	0.0207
1109	1114	1500.000	109.750	0.0030	93.396	0.0186
1116	1121	1000.000	108.260	0.0030	85.244	0.0163
1122	1127	500.000	106.761	0.0030	77.504	0.0155
1128	1133	0.000	105.206	0.0031	70.279	0.0145

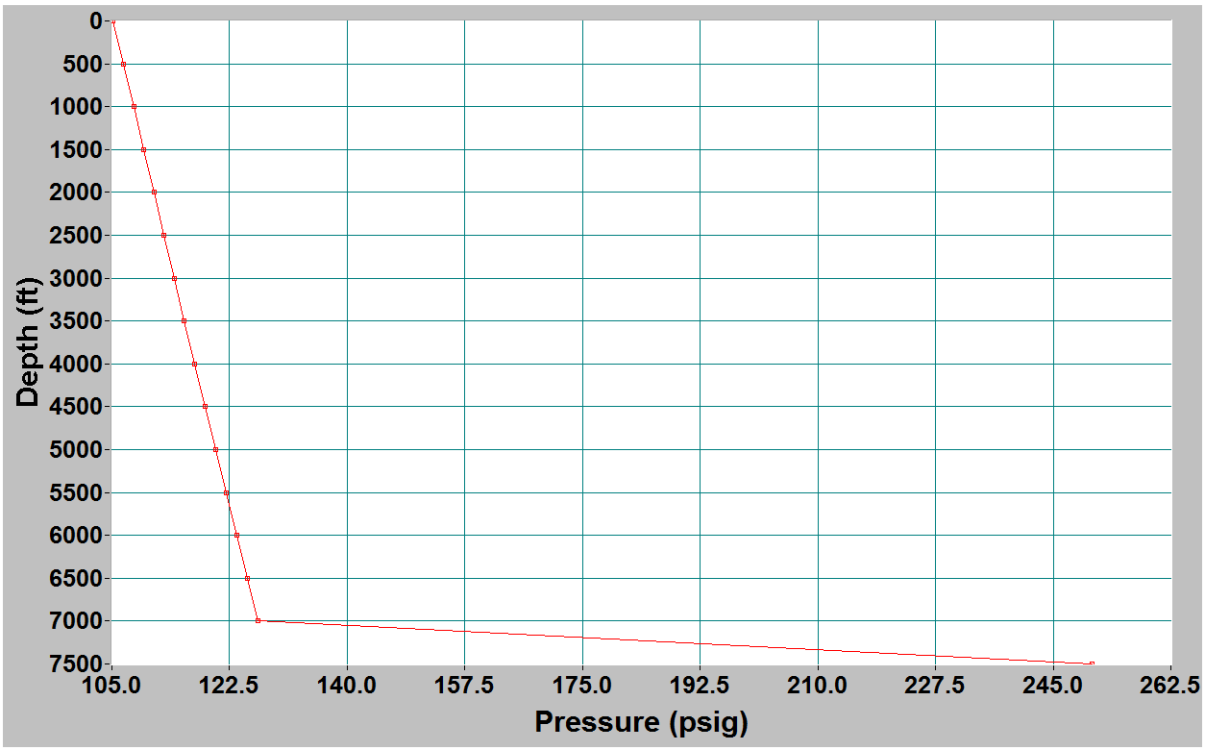
Extrapolated to MPP:

(ft)	(psig)	(deg F)
0.000		

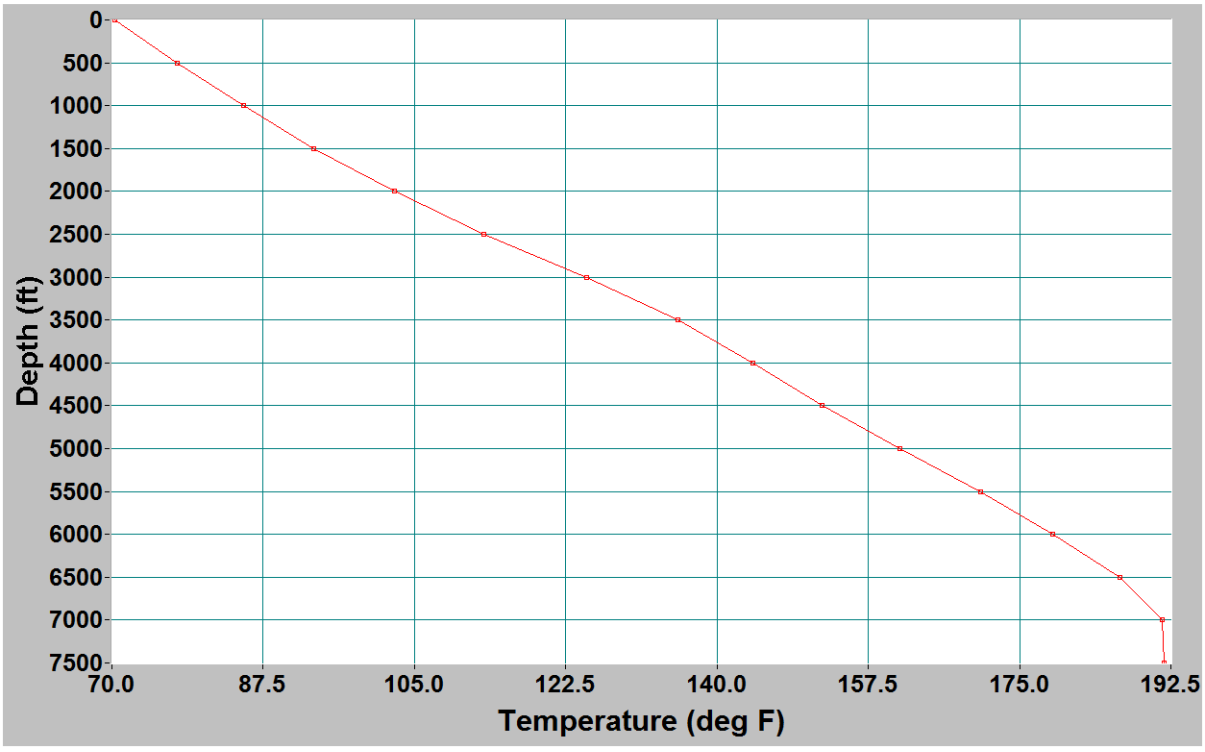
Company Name	HILCORP
Well Name	SAN JUAN 27-5 UNIT POW 916
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/10/20

Probe Serial Number

Depth vs. Pressure

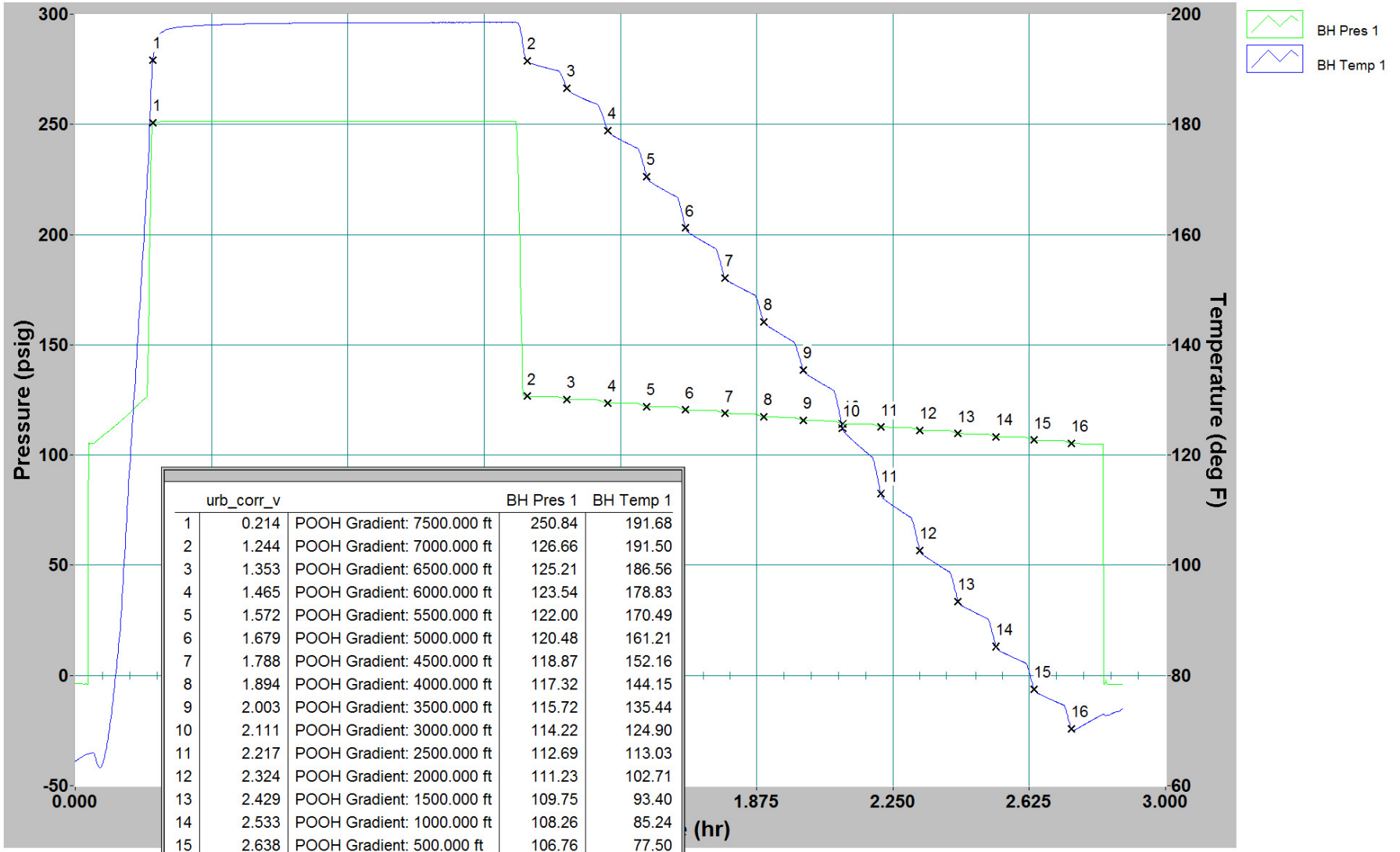


Depth vs. Temperature



Company Name	HILCORP
Well Name	SAN JUAN 27-5 UNIT POW 916
Type of Test	POOH STATIC GRADIENT
Date(s) of Test	6/10/20

SAN JUAN 27-5 UNIT #916 POW 2020



	urb_corr_v		BH Pres 1	BH Temp 1
1	0.214	POOH Gradient: 7500.000 ft	250.84	191.68
2	1.244	POOH Gradient: 7000.000 ft	126.66	191.50
3	1.353	POOH Gradient: 6500.000 ft	125.21	186.56
4	1.465	POOH Gradient: 6000.000 ft	123.54	178.83
5	1.572	POOH Gradient: 5500.000 ft	122.00	170.49
6	1.679	POOH Gradient: 5000.000 ft	120.48	161.21
7	1.788	POOH Gradient: 4500.000 ft	118.87	152.16
8	1.894	POOH Gradient: 4000.000 ft	117.32	144.15
9	2.003	POOH Gradient: 3500.000 ft	115.72	135.44
10	2.111	POOH Gradient: 3000.000 ft	114.22	124.90
11	2.217	POOH Gradient: 2500.000 ft	112.69	113.03
12	2.324	POOH Gradient: 2000.000 ft	111.23	102.71
13	2.429	POOH Gradient: 1500.000 ft	109.75	93.40
14	2.533	POOH Gradient: 1000.000 ft	108.26	85.24
15	2.638	POOH Gradient: 500.000 ft	106.76	77.50
16	2.740	POOH Gradient: 0.000 ft	105.21	70.28

Company Name HILCORP
Well Name SAN JUAN 27-5 UNIT POW 916
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	08:44:15	0.0000	-3.704	64.449
2020/06/10	08:45:15	0.0167	-3.829	65.143
2020/06/10	08:46:15	0.0333	-3.847	65.710
2020/06/10	08:47:15	0.0500	105.229	65.948
2020/06/10	08:48:15	0.0667	107.457	63.302
2020/06/10	08:49:15	0.0833	109.749	66.006
2020/06/10	08:50:15	0.1000	111.871	73.159
2020/06/10	08:51:15	0.1167	114.127	83.523
2020/06/10	08:52:15	0.1333	116.529	98.764
2020/06/10	08:53:15	0.1500	119.017	117.910
2020/06/10	08:54:15	0.1667	121.845	135.036
2020/06/10	08:55:15	0.1833	124.426	153.001
2020/06/10	08:56:15	0.2000	136.994	171.801
POOH Gradient: 7500.000 ft				
2020/06/10	08:57:05	0.2139	250.836	191.683
2020/06/10	08:57:15	0.2167	250.927	193.393
2020/06/10	08:58:15	0.2333	251.229	196.473
2020/06/10	08:59:15	0.2500	251.379	197.182
2020/06/10	09:00:15	0.2667	251.420	197.445
2020/06/10	09:01:15	0.2833	251.459	197.620
2020/06/10	09:02:15	0.3000	251.477	197.739
2020/06/10	09:03:15	0.3167	251.462	197.816
2020/06/10	09:04:15	0.3333	251.440	197.893
2020/06/10	09:05:15	0.3500	251.420	197.962
2020/06/10	09:06:15	0.3667	251.307	198.016
2020/06/10	09:07:15	0.3833	251.335	198.066
2020/06/10	09:08:15	0.4000	251.347	198.093
2020/06/10	09:09:15	0.4167	251.367	198.144
2020/06/10	09:10:15	0.4333	251.363	198.183
2020/06/10	09:11:15	0.4500	251.366	198.199
2020/06/10	09:12:15	0.4667	251.355	198.237
2020/06/10	09:13:15	0.4833	251.346	198.266
2020/06/10	09:14:15	0.5000	251.339	198.289
2020/06/10	09:15:15	0.5167	251.329	198.311
2020/06/10	09:16:15	0.5333	251.315	198.333
2020/06/10	09:17:15	0.5500	251.334	198.342
2020/06/10	09:18:15	0.5667	251.303	198.347
2020/06/10	09:19:15	0.5833	251.326	198.358
2020/06/10	09:20:15	0.6000	251.329	198.374
2020/06/10	09:21:15	0.6167	251.316	198.378
2020/06/10	09:22:15	0.6333	251.324	198.387
2020/06/10	09:23:15	0.6500	251.349	198.405
2020/06/10	09:24:15	0.6667	251.341	198.421
2020/06/10	09:25:15	0.6833	251.325	198.428
2020/06/10	09:26:15	0.7000	251.343	198.430
2020/06/10	09:27:15	0.7167	251.330	198.437
2020/06/10	09:28:15	0.7333	251.328	198.446
2020/06/10	09:29:15	0.7500	251.325	198.451
2020/06/10	09:30:15	0.7667	251.326	198.457
2020/06/10	09:31:15	0.7833	251.309	198.462
2020/06/10	09:32:15	0.8000	251.334	198.457
2020/06/10	09:33:15	0.8167	251.313	198.466
2020/06/10	09:34:15	0.8333	251.328	198.469
2020/06/10	09:35:15	0.8500	251.361	198.466

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	09:36:15	0.8667	251.380	198.471
2020/06/10	09:37:15	0.8833	251.395	198.478
2020/06/10	09:38:15	0.9000	251.396	198.482
2020/06/10	09:39:15	0.9167	251.401	198.489
2020/06/10	09:40:15	0.9333	251.391	198.493
2020/06/10	09:41:15	0.9500	251.404	198.487
2020/06/10	09:42:15	0.9667	251.416	198.495
2020/06/10	09:43:15	0.9833	251.405	198.495
2020/06/10	09:44:15	1.0000	251.399	198.496
2020/06/10	09:45:15	1.0167	251.410	198.498
2020/06/10	09:46:15	1.0333	251.418	198.504
2020/06/10	09:47:15	1.0500	251.403	198.500
2020/06/10	09:48:15	1.0667	251.396	198.498
2020/06/10	09:49:15	1.0833	251.399	198.498
2020/06/10	09:50:15	1.1000	251.401	198.513
2020/06/10	09:51:15	1.1167	251.404	198.505
2020/06/10	09:52:15	1.1333	251.415	198.505
2020/06/10	09:53:15	1.1500	251.422	198.505
2020/06/10	09:54:15	1.1667	251.422	198.505
2020/06/10	09:55:15	1.1833	251.419	198.509
2020/06/10	09:56:15	1.2000	251.427	198.511
2020/06/10	09:57:15	1.2167	240.056	198.462
2020/06/10	09:58:15	1.2333	126.997	193.555
POOH Gradient: 7000.000 ft				
2020/06/10	09:58:55	1.2444	126.664	191.503
2020/06/10	09:59:15	1.2500	126.551	191.192
2020/06/10	10:00:15	1.2667	126.528	190.796
2020/06/10	10:01:15	1.2833	126.494	190.481
2020/06/10	10:02:15	1.3000	126.497	190.193
2020/06/10	10:03:15	1.3167	126.514	189.914
2020/06/10	10:04:15	1.3333	126.194	189.414
2020/06/10	10:05:15	1.3500	125.239	187.016
POOH Gradient: 6500.000 ft				
2020/06/10	10:05:25	1.3528	125.215	186.555
2020/06/10	10:06:15	1.3667	125.138	185.707
2020/06/10	10:07:15	1.3833	125.092	185.110
2020/06/10	10:08:15	1.4000	125.084	184.595
2020/06/10	10:09:15	1.4167	125.047	184.140
2020/06/10	10:10:15	1.4333	125.046	183.722
2020/06/10	10:11:15	1.4500	124.229	181.796
POOH Gradient: 6000.000 ft				
2020/06/10	10:12:10	1.4653	123.544	178.833
2020/06/10	10:12:15	1.4667	123.535	178.671
2020/06/10	10:13:15	1.4833	123.464	177.818
2020/06/10	10:14:15	1.5000	123.428	177.208
2020/06/10	10:15:15	1.5167	123.401	176.634
2020/06/10	10:16:15	1.5333	123.410	176.088
2020/06/10	10:17:15	1.5500	123.319	175.489
2020/06/10	10:18:15	1.5667	122.200	171.869
POOH Gradient: 5500.000 ft				
2020/06/10	10:18:35	1.5722	122.001	170.487
2020/06/10	10:19:15	1.5833	121.943	169.529
2020/06/10	10:20:15	1.6000	121.851	168.847
2020/06/10	10:21:15	1.6167	121.818	168.204

Company Name HILCORP
Well Name SAN JUAN 27-5 UNIT POW 916
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	10:22:15	1.6333	121.787	167.592
2020/06/10	10:23:15	1.6500	121.767	167.009
2020/06/10	10:24:15	1.6667	121.078	164.714
POOH Gradient: 5000.000 ft				
2020/06/10	10:25:00	1.6792	120.482	161.208
2020/06/10	10:25:15	1.6833	120.448	160.655
2020/06/10	10:26:15	1.7000	120.316	159.841
2020/06/10	10:27:15	1.7167	120.285	159.172
2020/06/10	10:28:15	1.7333	120.257	158.529
2020/06/10	10:29:15	1.7500	120.234	157.912
2020/06/10	10:30:15	1.7667	119.932	156.880
2020/06/10	10:31:15	1.7833	118.970	153.003
POOH Gradient: 4500.000 ft				
2020/06/10	10:31:30	1.7875	118.867	152.159
2020/06/10	10:32:15	1.8000	118.808	151.410
2020/06/10	10:33:15	1.8167	118.774	150.823
2020/06/10	10:34:15	1.8333	118.727	150.238
2020/06/10	10:35:15	1.8500	118.705	149.675
2020/06/10	10:36:15	1.8667	118.693	149.128
2020/06/10	10:37:15	1.8833	117.863	146.611
POOH Gradient: 4000.000 ft				
2020/06/10	10:37:55	1.8944	117.324	144.154
2020/06/10	10:38:15	1.9000	117.294	143.677
2020/06/10	10:39:15	1.9167	117.216	142.939
2020/06/10	10:40:15	1.9333	117.176	142.250
2020/06/10	10:41:15	1.9500	117.149	141.580
2020/06/10	10:42:15	1.9667	117.123	140.932
2020/06/10	10:43:15	1.9833	116.770	139.665
2020/06/10	10:44:15	2.0000	115.746	136.047
POOH Gradient: 3500.000 ft				
2020/06/10	10:44:25	2.0028	115.716	135.442
2020/06/10	10:45:15	2.0167	115.676	134.461
2020/06/10	10:46:15	2.0333	115.610	133.792
2020/06/10	10:47:15	2.0500	115.580	133.131
2020/06/10	10:48:15	2.0667	115.534	132.492
2020/06/10	10:49:15	2.0833	115.529	131.873
2020/06/10	10:50:15	2.1000	114.689	128.561
POOH Gradient: 3000.000 ft				
2020/06/10	10:50:55	2.1111	114.221	124.902
2020/06/10	10:51:15	2.1167	114.193	124.124
2020/06/10	10:52:15	2.1333	114.067	123.006
2020/06/10	10:53:15	2.1500	114.041	122.007
2020/06/10	10:54:15	2.1667	114.004	121.044
2020/06/10	10:55:15	2.1833	114.008	120.108
2020/06/10	10:56:15	2.2000	113.597	118.161
POOH Gradient: 2500.000 ft				
2020/06/10	10:57:15	2.2167	112.687	113.032
2020/06/10	10:58:15	2.2333	112.623	111.578
2020/06/10	10:59:15	2.2500	112.553	110.808
2020/06/10	11:00:15	2.2667	112.545	110.064
2020/06/10	11:01:15	2.2833	112.534	109.337
2020/06/10	11:02:15	2.3000	112.532	108.624
2020/06/10	11:03:15	2.3167	111.476	104.605
POOH Gradient: 2000.000 ft				

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/06/10	11:03:40	2.3236	111.229	102.706
2020/06/10	11:04:15	2.3333	111.172	101.844
2020/06/10	11:05:15	2.3500	111.130	101.097
2020/06/10	11:06:15	2.3667	111.104	100.375
2020/06/10	11:07:15	2.3833	111.085	99.676
2020/06/10	11:08:15	2.4000	111.068	99.001
2020/06/10	11:09:15	2.4167	110.361	96.647
POOH Gradient: 1500.000 ft				
2020/06/10	11:10:00	2.4292	109.750	93.396
2020/06/10	11:10:15	2.4333	109.731	92.946
2020/06/10	11:11:15	2.4500	109.644	92.280
2020/06/10	11:12:15	2.4667	109.630	91.715
2020/06/10	11:13:15	2.4833	109.612	91.157
2020/06/10	11:14:15	2.5000	109.607	90.608
2020/06/10	11:15:15	2.5167	109.229	89.433
POOH Gradient: 1000.000 ft				
2020/06/10	11:16:15	2.5333	108.260	85.244
2020/06/10	11:17:15	2.5500	108.179	84.231
2020/06/10	11:18:15	2.5667	108.158	83.714
2020/06/10	11:19:15	2.5833	108.133	83.201
2020/06/10	11:20:15	2.6000	108.130	82.693
2020/06/10	11:21:15	2.6167	108.008	82.186
2020/06/10	11:22:15	2.6333	106.792	78.517
POOH Gradient: 500.000 ft				
2020/06/10	11:22:30	2.6375	106.761	77.504
2020/06/10	11:23:15	2.6500	106.689	76.683
2020/06/10	11:24:15	2.6667	106.645	76.183
2020/06/10	11:25:15	2.6833	106.604	75.677
2020/06/10	11:26:15	2.7000	106.600	75.184
2020/06/10	11:27:15	2.7167	106.599	74.698
2020/06/10	11:28:15	2.7333	105.553	71.929
POOH Gradient: 0.000 ft				
2020/06/10	11:28:40	2.7403	105.206	70.279
2020/06/10	11:29:15	2.7500	105.174	70.108
2020/06/10	11:30:15	2.7667	105.102	70.723
2020/06/10	11:31:15	2.7833	105.078	71.343
2020/06/10	11:32:15	2.8000	105.062	71.964
2020/06/10	11:33:15	2.8167	105.068	72.572
2020/06/10	11:34:15	2.8333	-3.836	72.765
2020/06/10	11:35:15	2.8500	-3.900	72.986
2020/06/10	11:36:15	2.8667	-3.956	73.416