

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOCD Received
8/17/2020FORM 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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other: COAL BED METHANE2. Name of Operator SOUTHLAND ROYALTY COMPANY LLC
Contact: ERIC KITTINGER
E-Mail: EKITTINGER@MSPARTNERS.COM3a. Address
400 W 7TH STREET
FORT WORTH, TX 761023b. Phone No. (include area code)
Ph: 817-334-8302

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

Sec 28 T32N R5W NESW 2360FSL 1740FWL
36.950531 N Lat, 107.370163 W Lon5. Lease Serial No.
NMNM68141

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM800458. Well Name and No.
QUINTANA MESA 1009. API Well No.
30-039-24454-00-S110. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

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 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.

Southland Royalty Company LLC submits the attached 2020 pressure test information to continue approved TA/POW status for the Quintana Mesa Com #100.
The well was converted to a POW on 6/5/2009. In 2019, the NMOC approved TA/POW status through 6/13/2024.

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

Electronic Submission #516449 verified by the BLM Well Information System
For SOUTHLAND ROYALTY COMPANY LLC, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 05/29/2020 (20JK0398SE)

Name (Printed/Typed) CONNIE BLAYLOCK

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 05/26/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOE KILLINS Title ENGINEER	Date 05/29/2020
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

PHOENIX SERVICES, LLC

Job #: 13010WP

Company: Southland Royalty

Well Name: Quintana Mesa

Well No.: 100
Field: Fruitland Coal

Field: Fruitland Coal
County/State: Rio Arriba NM

County/State: Rio Arriba NM				
Formation: Fruitland Coal				

Test Date: 10/9/2019				
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Ground Level (ft): 7160	Casing Pressure (psi): packer
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Perfs (ft):	Tubing Pressure (psi): 1240
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TD (ft): 3940	Fluid Level (ft):
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PBTD (ft): 3940	Water Level (ft):
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Tbg Size (in): 2 3/8	to (ft):	KB (ft): 15	
Cas Size (in): 5 1/2	to (ft): 20-40	Atmosphere Temperature (°F):	

Csg Size (In): 5 1/2	to (ft): 3940	Atmosphere Temperature (oF):	
Backer (ft):		Element No : 5422	

Packet (lb):	Element NO.: 3422	
Seat Nipple (ft): 3757	Element Range (psi): 0-3500	

Seat Nipple (ft): 3751	Element Range (psi): 0-5500
Test Depth (ft): 3744	Operator: J Largo Unit No.: 9

Well Status: shut in

	Depth	Temperature	Pressure	Differential	Differential	Gradient
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	Depth	Temperature	Pressure	Differential	Differential	Gradient
Time	Feet	°F	Psig	Psi	Feet	Psi per Ft

Time	Feet	Per	Per	Per	Feet	Per
820	0	62.832	1197.534			
827	500	57.202	1213.315	15.781	500	0.031562
833	1000	67.102	1227.547	14.232	500	0.028464
839	1500	76.257	1242.594	15.047	500	0.030094
845	2000	85.370	1256.955	14.361	500	0.028722
851	2500	94.809	1271.197	14.242	500	0.028484
857	3000	104.207	1284.844	13.647	500	0.027294
903	3500	114.274	1299.199	14.355	500	0.028710
910	3744	120.052	1306.340	7.141	244	0.029266

[illegible]

Pressure Test Report

COMPANY INFORMATION

Company Name	SOUTHLAND ROYALTY
Representative	MIKE HOWE
Phone	
Fax	
Address	

E-Mail Address	
Service Company	PHOENIX SERVICES, LLC

WELL INFORMATION

Well Name	QUINTANA MESA 100
Well Location	RIO ARRIBA COUNTY, NM
Field and Pool	FRUITLAND COAL
Status (Oil, Gas, Water, Injection)	OBSERVATION
Perforated Intervals	
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	15
Casing Flange (CF)	
KB-CF	
Ground Level	7160
Plug Back Total Depth	3940
Total Depth	3940
Production Casing	5 1/2 TO 3940
Production Tubing	2 3/8

TEST INFORMATION

Type of Test	RIH GRADIENT & BUILDUP
Date(s) of Test	10/9/2019-05/12/2020
Dead-weight Gauge Tubing Pressure	1240
Dead-weight Gauge Casing Pressure	0
Shut-in Date (Duration)	
Date / Time on Bottom	10/9/2019 @ 0910 HRS
Date / Time off Bottom	5/12/2020 @ 1038 HRS
Probe Serial Number	5422
Probe Offset from End of Tool String	0-3500
Run Depth at Probe Pressure Port	3744

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	1306.9 psig
Maximum Recorded Probe Temperature	121.2 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	13010WP

Company Name	SOUTHLAND ROYALTY
Well Name	QUINTANA MESA 100
Type of Test	RIH GRADIENT & BUILDUP
Date(s) of Test	10/9/2019-05/12/2020

PROBE INFORMATION

Probe Serial Number 5422
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	SOUTHLAND ROYALTY
Well Name	QUINTANA MESA 100
Type of Test	RIH GRADIENT & BUILDUP
Date(s) of Test	10/9/2019-05/12/2020

COMMENTS

Reported By

PHOENIX SERVICES, LLC

10/9/19 - RU EXTRA LUBRICATOR-RAN 1.910 GR TO 2744'-SET DOWN-RAN 2" C-1 RUNNING TOOL W/1.78 F W E PLUG W/TANDEM BHP GAUGES (5422, 5423) TO 3744' MAKING GRADIENT STOPS-LEFT GAUGES IN TO MONITOR WELL.

5/12/20 - RU EXTRA LUBRICATOR-RAN 1.910 GR TO 3744'-SET DOWN-RAN 2" SB W/B PROBE TO 3744'-RECOVERED 1.78 F W E PLUG W/TANDEM BHP GAUGES.

Company Name	SOUTHLAND ROYALTY
Well Name	QUINTANA MESA 100
Type of Test	RIH GRADIENT & BUILDUP
Date(s) of Test	10/9/2019-05/12/2020

Pressure vs. Depth

Probe Serial Number 5422

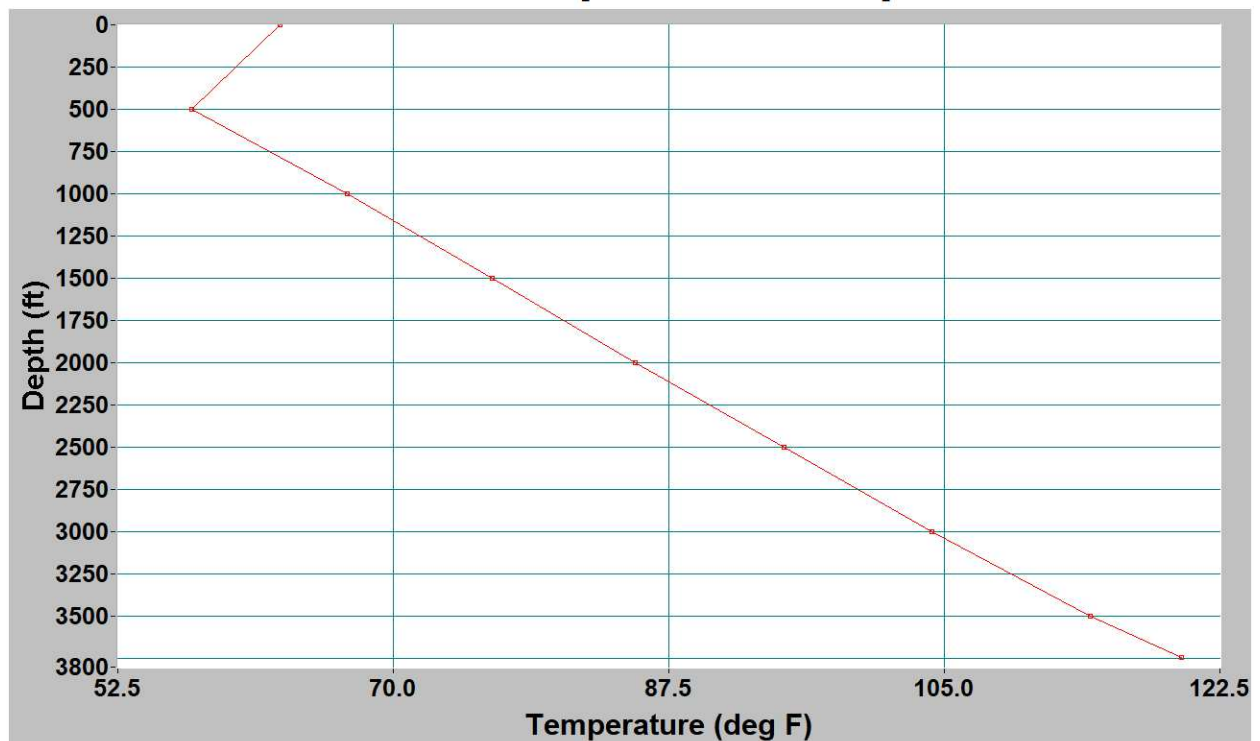
Stop Time From	Stop Time To	Depth (ft)	Pressure (psig)	Gradient (psi/ft)	(deg F)	(deg F/ft)
0820	0825	0.000	1197.534	-	62.832	-
0827	0832	500.000	1213.315	0.0316	57.202	-0.0113
0833	0838	1000.000	1227.547	0.0285	67.102	0.0198
0839	0844	1500.000	1242.594	0.0301	76.257	0.0183
0845	0850	2000.000	1256.955	0.0287	85.370	0.0182
0851	0856	2500.000	1271.197	0.0285	94.809	0.0189
0857	0902	3000.000	1284.844	0.0273	104.207	0.0188
0903	0908	3500.000	1299.199	0.0287	114.274	0.0201
0910		3744.000	1306.340	0.0293	120.052	0.0237

Extrapolated to MPP:	Depth (ft)	Pressure (psig)	(deg F)
	0.000		

RIH Gradient Depth vs. Pressure

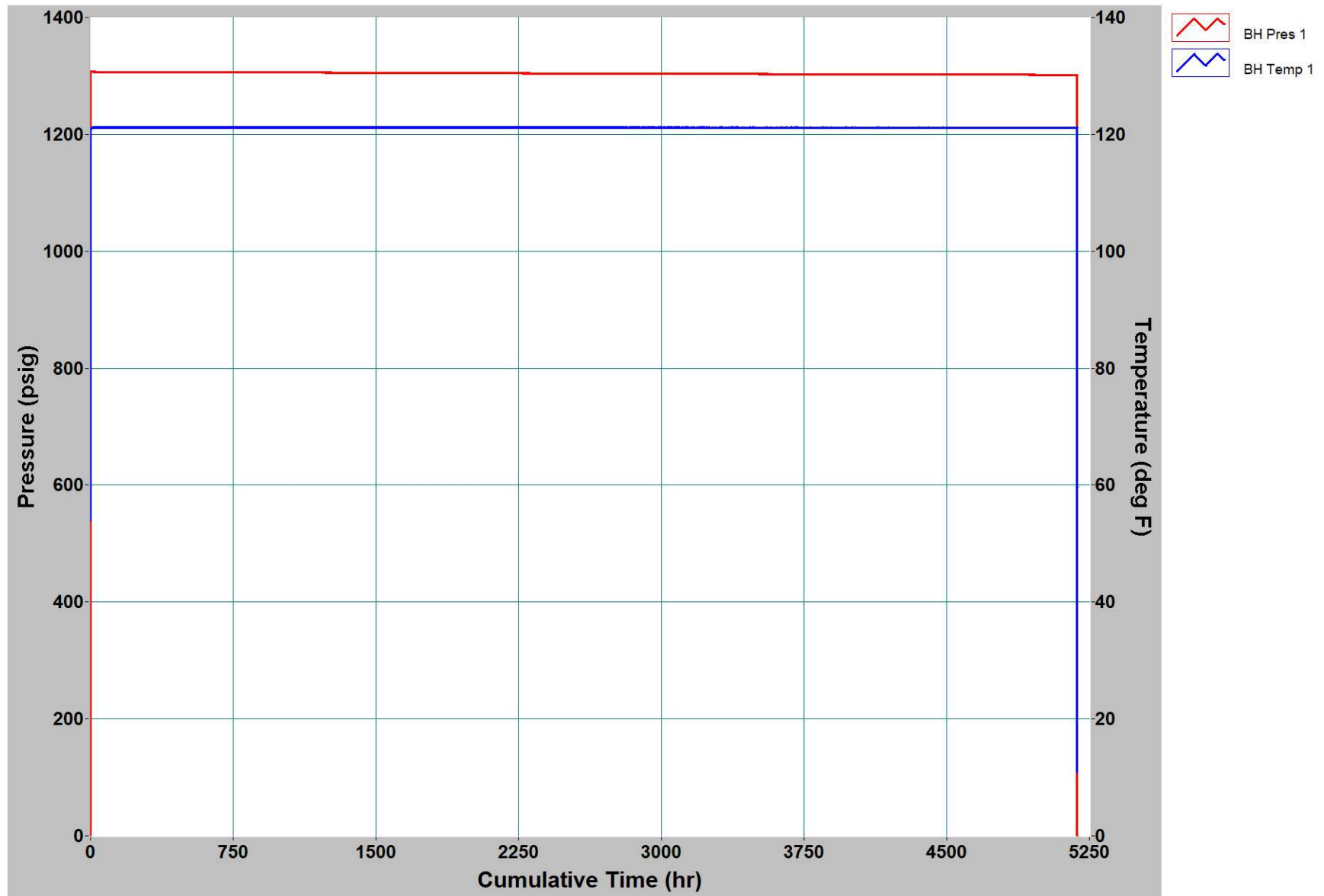


RIH Gradient Depth vs. Temperature



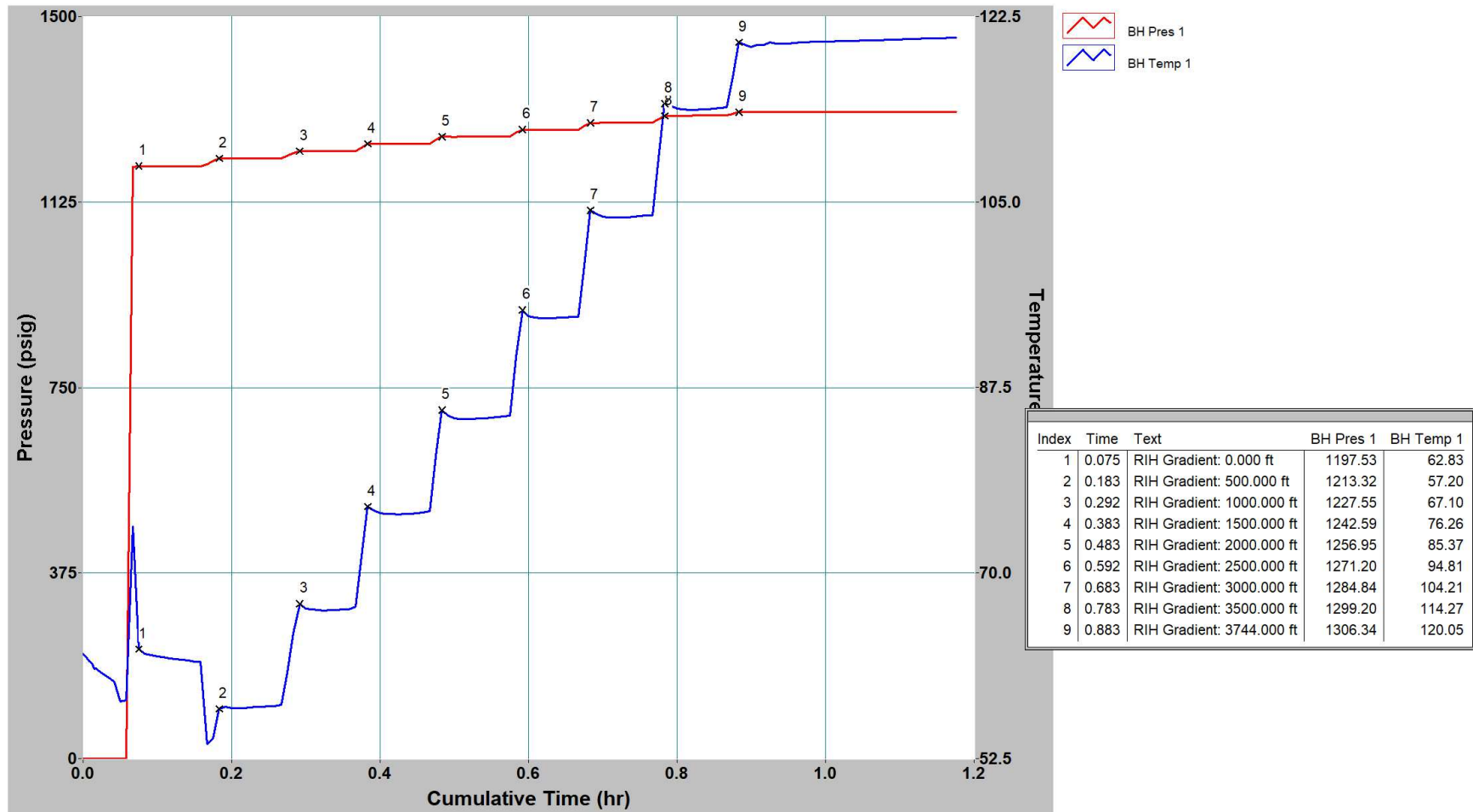
Company Name SOUTHLAND ROYALTY
Well Name QUINTANA MESA 100
Type of Test RIH GRADIENT & BUILDUP
Date(s) of Test 10/9/2019-05/12/2020

Quintana Mesa 100



Company Name SOUTHLAND ROYALTY
 Well Name QUINTANA MESA 100
 Type of Test RIH GRADIENT & BUILDUP
 Date(s) of Test 10/9/2019-05/12/2020

RIH Gradient Quintana Mesa 100



Company Name SOUTHLAND ROYALTY
Well Name QUINTANA MESA 100
Type of Test RIH GRADIENT & BUILDUP
Date(s) of Test 10/9/2019-05/12/2020

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/10/09	08:15:05	0.0000	0.000	62.362
RIH Gradient: 0.000 ft				
2019/10/09	08:19:35	0.0750	1197.534	62.832
RIH Gradient: 500.000 ft				
2019/10/09	08:26:05	0.1833	1213.315	57.202
RIH Gradient: 1000.000 ft				
2019/10/09	08:32:35	0.2917	1227.547	67.102
RIH Gradient: 1500.000 ft				
2019/10/09	08:38:05	0.3833	1242.594	76.257
RIH Gradient: 2000.000 ft				
2019/10/09	08:44:05	0.4833	1256.955	85.370
RIH Gradient: 2500.000 ft				
2019/10/09	08:50:35	0.5917	1271.197	94.809
RIH Gradient: 3000.000 ft				
2019/10/09	08:56:05	0.6833	1284.844	104.207
RIH Gradient: 3500.000 ft				
2019/10/09	09:02:05	0.7833	1299.199	114.274
RIH Gradient: 3744.000 ft				
2019/10/09	09:08:05	0.8833	1306.340	120.052
2019/10/10	01:45:05	17.5000	1306.787	121.158
2019/10/10	19:15:05	35.0000	1306.774	121.165
2019/10/11	12:45:05	52.5000	1306.747	121.174
2019/10/12	06:15:05	70.0000	1306.743	121.172
2019/10/12	23:45:05	87.5000	1306.706	121.176
2019/10/13	17:15:05	105.0000	1306.688	121.165
2019/10/14	10:45:05	122.5000	1306.689	121.177
2019/10/15	04:15:05	140.0000	1306.661	121.167
2019/10/15	21:45:05	157.5000	1306.662	121.172
2019/10/16	15:15:05	175.0000	1306.656	121.170
2019/10/17	08:45:05	192.5000	1306.652	121.170
2019/10/18	02:15:05	210.0000	1306.618	121.177
2019/10/18	19:45:05	227.5000	1306.622	121.183
2019/10/19	13:15:05	245.0000	1306.620	121.172
2019/10/20	06:45:05	262.5000	1306.600	121.165
2019/10/21	00:15:05	280.0000	1306.595	121.167
2019/10/21	17:45:05	297.5000	1306.590	121.170
2019/10/22	11:15:05	315.0000	1306.570	121.172
2019/10/23	04:45:05	332.5000	1306.555	121.167
2019/10/23	22:15:05	350.0000	1306.522	121.167
2019/10/24	15:45:05	367.5000	1306.522	121.172
2019/10/25	09:15:05	385.0000	1306.503	121.170
2019/10/26	02:45:05	402.5000	1306.484	121.168
2019/10/26	20:15:05	420.0000	1306.474	121.174
2019/10/27	12:45:05	437.5000	1306.458	121.172
2019/10/28	06:15:05	455.0000	1306.446	121.163
2019/10/28	23:45:05	472.5000	1306.405	121.176
2019/10/29	17:15:05	490.0000	1306.408	121.172
2019/10/30	10:45:05	507.5000	1306.391	121.167
2019/10/31	04:15:05	525.0000	1306.354	121.167
2019/10/31	21:45:05	542.5000	1306.353	121.172

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/11/01	15:15:05	560.0000	1306.338	121.172
2019/11/02	08:45:05	577.5000	1306.317	121.167
2019/11/03	02:15:05	595.0000	1306.295	121.168
2019/11/03	19:45:05	612.5000	1306.253	121.177
2019/11/04	13:15:05	630.0000	1306.235	121.174
2019/11/05	06:45:05	647.5000	1306.207	121.176
2019/11/06	00:15:05	665.0000	1306.178	121.167
2019/11/06	17:45:05	682.5000	1306.161	121.172
2019/11/07	11:15:05	700.0000	1306.140	121.163
2019/11/08	04:45:05	717.5000	1306.121	121.177
2019/11/08	22:15:05	735.0000	1306.086	121.170
2019/11/09	15:45:05	752.5000	1306.079	121.163
2019/11/10	09:15:05	770.0000	1306.054	121.167
2019/11/11	02:45:05	787.5000	1306.044	121.170
2019/11/11	20:15:05	805.0000	1306.027	121.168
2019/11/12	13:45:05	822.5000	1306.014	121.167
2019/11/13	07:15:05	840.0000	1306.005	121.167
2019/11/14	00:45:05	857.5000	1305.974	121.167
2019/11/14	18:15:05	875.0000	1305.978	121.168
2019/11/15	11:45:05	892.5000	1305.955	121.168
2019/11/16	05:15:05	910.0000	1305.922	121.161
2019/11/16	22:45:05	927.5000	1305.916	121.167
2019/11/17	16:15:05	945.0000	1305.890	121.168
2019/11/18	09:45:05	962.5000	1305.854	121.165
2019/11/19	03:15:05	980.0000	1305.841	121.167
2019/11/19	20:45:05	997.5000	1305.817	121.167
2019/11/20	14:15:05	1015.0000	1305.808	121.167
2019/11/21	07:45:05	1032.5000	1305.786	121.172
2019/11/22	01:15:05	1050.0000	1305.767	121.172
2019/11/22	18:45:05	1067.5000	1305.747	121.161
2019/11/23	12:15:05	1085.0000	1305.726	121.165
2019/11/24	05:45:05	1102.5000	1305.719	121.170
2019/11/24	23:15:05	1120.0000	1305.664	121.165
2019/11/25	16:45:05	1137.5000	1305.634	121.168
2019/11/26	10:15:05	1155.0000	1305.628	121.161
2019/11/27	03:45:05	1172.5000	1305.616	121.163
2019/11/27	21:15:05	1190.0000	1305.587	121.170
2019/11/28	14:45:05	1207.5000	1305.563	121.168
2019/11/29	08:15:05	1225.0000	1305.564	121.167
2019/11/30	01:45:05	1242.5000	1305.530	121.168
2019/11/30	19:15:05	1260.0000	1305.546	121.168
2019/12/01	12:45:05	1277.5000	1305.528	121.170
2019/12/02	06:15:05	1295.0000	1305.472	121.163
2019/12/02	23:45:05	1312.5000	1305.438	121.159
2019/12/03	17:15:05	1330.0000	1305.427	121.165
2019/12/04	10:45:05	1347.5000	1305.405	121.167
2019/12/05	04:15:05	1365.0000	1305.380	121.170
2019/12/05	21:45:05	1382.5000	1305.360	121.170
2019/12/06	15:15:05	1400.0000	1305.345	121.161
2019/12/07	08:45:05	1417.5000	1305.334	121.159

Company Name SOUTHLAND ROYALTY
Well Name QUINTANA MESA 100
Type of Test RIH GRADIENT & BUILDUP
Date(s) of Test 10/9/2019-05/12/2020

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2019/12/08	02:15:05	1435.0000	1305.321	121.163
2019/12/08	19:45:05	1452.5000	1305.288	121.172
2019/12/09	13:15:05	1470.0000	1305.274	121.168
2019/12/10	06:45:05	1487.5000	1305.272	121.168
2019/12/11	00:15:05	1505.0000	1305.225	121.172
2019/12/11	17:45:05	1522.5000	1305.227	121.159
2019/12/12	11:15:05	1540.0000	1305.215	121.170
2019/12/13	04:45:05	1557.5000	1305.178	121.170
2019/12/13	22:15:05	1575.0000	1305.162	121.158
2019/12/14	15:45:05	1592.5000	1305.141	121.165
2019/12/15	09:15:05	1610.0000	1305.133	121.165
2019/12/16	02:45:05	1627.5000	1305.086	121.165
2019/12/16	20:15:05	1645.0000	1305.076	121.159
2019/12/17	13:45:05	1662.5000	1305.066	121.170
2019/12/18	07:15:05	1680.0000	1305.024	121.167
2019/12/19	00:45:05	1697.5000	1305.003	121.168
2019/12/19	18:15:05	1715.0000	1304.978	121.167
2019/12/20	11:45:05	1732.5000	1304.978	121.167
2019/12/21	05:15:05	1750.0000	1304.947	121.152
2019/12/21	22:45:05	1767.5000	1304.928	121.168
2019/12/22	16:15:05	1785.0000	1304.920	121.163
2019/12/23	09:45:05	1802.5000	1304.913	121.158
2019/12/24	03:15:05	1820.0000	1304.906	121.156
2019/12/24	20:45:05	1837.5000	1304.856	121.167
2019/12/25	14:15:05	1855.0000	1304.846	121.168
2019/12/26	07:45:05	1872.5000	1304.829	121.170
2019/12/27	01:15:05	1890.0000	1304.779	121.168
2019/12/27	18:45:05	1907.5000	1304.769	121.168
2019/12/28	12:15:05	1925.0000	1304.734	121.172
2019/12/29	05:45:05	1942.5000	1304.709	121.167
2019/12/29	23:15:05	1960.0000	1304.687	121.163
2019/12/30	16:45:05	1977.5000	1304.684	121.163
2019/12/31	10:15:05	1995.0000	1304.655	121.167
2020/01/01	03:45:05	2012.5000	1304.614	121.163
2020/01/01	21:15:05	2030.0000	1304.581	121.170
2020/01/02	14:45:05	2047.5000	1304.573	121.165
2020/01/03	08:15:05	2065.0000	1304.547	121.156
2020/01/04	01:45:05	2082.5000	1304.527	121.163
2020/01/04	19:15:05	2100.0000	1304.504	121.161
2020/01/05	12:45:05	2117.5000	1304.493	121.163
2020/01/06	06:15:05	2135.0000	1304.478	121.163
2020/01/06	23:45:05	2152.5000	1304.449	121.159
2020/01/07	17:15:05	2170.0000	1304.432	121.167
2020/01/08	10:45:05	2187.5000	1304.401	121.158
2020/01/09	04:15:05	2205.0000	1304.380	121.161
2020/01/09	21:45:05	2222.5000	1304.345	121.158
2020/01/10	15:15:05	2240.0000	1304.340	121.168
2020/01/11	08:45:05	2257.5000	1304.335	121.167
2020/01/12	02:15:05	2275.0000	1304.287	121.165
2020/01/12	19:45:05	2292.5000	1304.299	121.161

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/01/13	13:15:05	2310.0000	1304.267	121.154
2020/01/14	06:45:05	2327.5000	1304.257	121.159
2020/01/15	00:15:05	2345.0000	1304.235	121.170
2020/01/15	17:45:05	2362.5000	1304.222	121.165
2020/01/16	11:15:05	2380.0000	1304.207	121.159
2020/01/17	04:45:05	2397.5000	1304.193	121.159
2020/01/17	22:15:05	2415.0000	1304.166	121.156
2020/01/18	15:45:05	2432.5000	1304.159	121.159
2020/01/19	09:15:05	2450.0000	1304.130	121.163
2020/01/20	02:45:05	2467.5000	1304.116	121.163
2020/01/20	20:15:05	2485.0000	1304.094	121.163
2020/01/21	13:45:05	2502.5000	1304.079	121.170
2020/01/22	07:15:05	2520.0000	1304.054	121.165
2020/01/23	00:45:05	2537.5000	1304.028	121.167
2020/01/23	18:15:05	2555.0000	1304.035	121.163
2020/01/24	11:45:05	2572.5000	1304.012	121.159
2020/01/25	05:15:05	2590.0000	1303.981	121.152
2020/01/25	22:45:05	2607.5000	1303.949	121.161
2020/01/26	16:15:05	2625.0000	1303.958	121.165
2020/01/27	09:45:05	2642.5000	1303.941	121.163
2020/01/28	03:15:05	2660.0000	1303.911	121.163
2020/01/28	20:45:05	2677.5000	1303.912	121.165
2020/01/29	14:15:05	2695.0000	1303.887	121.163
2020/01/30	07:45:05	2712.5000	1303.863	121.159
2020/01/31	01:15:05	2730.0000	1303.850	121.161
2020/01/31	18:45:05	2747.5000	1303.839	121.163
2020/02/01	12:15:05	2765.0000	1303.830	121.161
2020/02/02	05:45:05	2782.5000	1303.818	121.165
2020/02/02	23:15:05	2800.0000	1303.776	121.161
2020/02/03	16:45:05	2817.5000	1303.748	121.163
2020/02/04	10:15:05	2835.0000	1303.740	121.159
2020/02/05	03:45:05	2852.5000	1303.729	121.158
2020/02/05	21:15:05	2870.0000	1303.702	121.163
2020/02/06	14:45:05	2887.5000	1303.677	121.165
2020/02/07	08:15:05	2905.0000	1303.672	121.154
2020/02/08	01:45:05	2922.5000	1303.646	121.154
2020/02/08	19:15:05	2940.0000	1303.631	121.158
2020/02/09	12:45:05	2957.5000	1303.616	121.161
2020/02/10	06:15:05	2975.0000	1303.610	121.165
2020/02/10	23:45:05	2992.5000	1303.571	121.158
2020/02/11	17:15:05	3010.0000	1303.573	121.167
2020/02/12	10:45:05	3027.5000	1303.564	121.152
2020/02/13	04:15:05	3045.0000	1303.537	121.158
2020/02/13	21:45:05	3062.5000	1303.523	121.167
2020/02/14	15:15:05	3080.0000	1303.495	121.167
2020/02/15	08:45:05	3097.5000	1303.492	121.156
2020/02/16	02:15:05	3115.0000	1303.453	121.163
2020/02/16	19:45:05	3132.5000	1303.422	121.159
2020/02/17	13:15:05	3150.0000	1303.409	121.167
2020/02/18	06:45:05	3167.5000	1303.403	121.161

Company Name SOUTHLAND ROYALTY
Well Name QUINTANA MESA 100
Type of Test RIH GRADIENT & BUILDUP
Date(s) of Test 10/9/2019-05/12/2020

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/02/19	00:15:05	3185.0000	1303.391	121.165
2020/02/19	17:45:05	3202.5000	1303.368	121.161
2020/02/20	11:15:05	3220.0000	1303.358	121.152
2020/02/21	04:45:05	3237.5000	1303.342	121.158
2020/02/21	22:15:05	3255.0000	1303.310	121.154
2020/02/22	15:45:05	3272.5000	1303.296	121.154
2020/02/23	09:15:05	3290.0000	1303.275	121.150
2020/02/24	02:45:05	3307.5000	1303.242	121.147
2020/02/24	20:15:05	3325.0000	1303.240	121.168
2020/02/25	13:45:05	3342.5000	1303.211	121.152
2020/02/26	07:15:05	3360.0000	1303.192	121.158
2020/02/27	00:45:05	3377.5000	1303.167	121.163
2020/02/27	18:15:05	3395.0000	1303.156	121.165
2020/02/28	11:45:05	3412.5000	1303.134	121.161
2020/02/29	05:15:05	3430.0000	1303.127	121.156
2020/02/29	22:45:05	3447.5000	1303.116	121.156
2020/03/01	16:15:05	3465.0000	1303.086	121.159
2020/03/02	09:45:05	3482.5000	1303.074	121.161
2020/03/03	03:15:05	3500.0000	1303.067	121.154
2020/03/03	20:45:05	3517.5000	1303.031	121.161
2020/03/04	14:15:05	3535.0000	1303.037	121.163
2020/03/05	07:45:05	3552.5000	1303.038	121.149
2020/03/06	01:15:05	3570.0000	1303.001	121.159
2020/03/06	18:45:05	3587.5000	1303.004	121.156
2020/03/07	12:15:05	3605.0000	1302.983	121.156
2020/03/08	05:45:05	3622.5000	1302.984	121.152
2020/03/08	23:15:05	3640.0000	1302.945	121.154
2020/03/09	16:45:05	3657.5000	1302.949	121.152
2020/03/10	10:15:05	3675.0000	1302.925	121.156
2020/03/11	03:45:05	3692.5000	1302.914	121.161
2020/03/11	21:15:05	3710.0000	1302.895	121.159
2020/03/12	14:45:05	3727.5000	1302.873	121.159
2020/03/13	08:15:05	3745.0000	1302.856	121.161
2020/03/14	01:45:05	3762.5000	1302.849	121.159
2020/03/14	19:15:05	3780.0000	1302.825	121.154
2020/03/15	12:45:05	3797.5000	1302.813	121.156
2020/03/16	06:15:05	3815.0000	1302.796	121.163
2020/03/16	23:45:05	3832.5000	1302.767	121.156
2020/03/17	17:15:05	3850.0000	1302.766	121.152
2020/03/18	10:45:05	3867.5000	1302.736	121.159
2020/03/19	04:15:05	3885.0000	1302.730	121.152
2020/03/19	21:45:05	3902.5000	1302.718	121.161
2020/03/20	15:15:05	3920.0000	1302.721	121.161
2020/03/21	08:45:05	3937.5000	1302.697	121.158
2020/03/22	02:15:05	3955.0000	1302.671	121.154
2020/03/22	19:45:05	3972.5000	1302.673	121.154
2020/03/23	13:15:05	3990.0000	1302.642	121.152
2020/03/24	06:45:05	4007.5000	1302.656	121.149
2020/03/25	00:15:05	4025.0000	1302.626	121.158
2020/03/25	17:45:05	4042.5000	1302.626	121.152

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/03/26	11:15:05	4060.0000	1302.598	121.159
2020/03/27	04:45:05	4077.5000	1302.587	121.154
2020/03/27	22:15:05	4095.0000	1302.599	121.159
2020/03/28	15:45:05	4112.5000	1302.578	121.156
2020/03/29	09:15:05	4130.0000	1302.559	121.159
2020/03/30	02:45:05	4147.5000	1302.553	121.150
2020/03/30	20:15:05	4165.0000	1302.534	121.158
2020/03/31	13:45:05	4182.5000	1302.517	121.152
2020/04/01	07:15:05	4200.0000	1302.501	121.154
2020/04/02	00:45:05	4217.5000	1302.501	121.159
2020/04/02	18:15:05	4235.0000	1302.474	121.152
2020/04/03	11:45:05	4252.5000	1302.477	121.159
2020/04/04	05:15:05	4270.0000	1302.459	121.154
2020/04/04	22:45:05	4287.5000	1302.431	121.154
2020/04/05	17:15:05	4305.0000	1302.427	121.154
2020/04/06	10:45:05	4322.5000	1302.413	121.158
2020/04/07	04:15:05	4340.0000	1302.389	121.159
2020/04/07	21:45:05	4357.5000	1302.380	121.154
2020/04/08	15:15:05	4375.0000	1302.332	121.156
2020/04/09	08:45:05	4392.5000	1302.323	121.156
2020/04/10	02:15:05	4410.0000	1302.301	121.156
2020/04/10	19:45:05	4427.5000	1302.295	121.150
2020/04/11	13:15:05	4445.0000	1302.263	121.161
2020/04/12	06:45:05	4462.5000	1302.242	121.150
2020/04/13	00:15:05	4480.0000	1302.256	121.152
2020/04/13	17:45:05	4497.5000	1302.224	121.154
2020/04/14	11:15:05	4515.0000	1302.219	121.152
2020/04/15	04:45:05	4532.5000	1302.210	121.156
2020/04/15	22:15:05	4550.0000	1302.186	121.163
2020/04/16	15:45:05	4567.5000	1302.183	121.150
2020/04/17	09:15:05	4585.0000	1302.173	121.158
2020/04/18	02:45:05	4602.5000	1302.155	121.149
2020/04/18	20:15:05	4620.0000	1302.113	121.150
2020/04/19	13:45:05	4637.5000	1302.109	121.158
2020/04/20	07:15:05	4655.0000	1302.094	121.156
2020/04/21	00:45:05	4672.5000	1302.075	121.167
2020/04/21	18:15:05	4690.0000	1302.070	121.147
2020/04/22	11:45:05	4707.5000	1302.052	121.156
2020/04/23	05:15:05	4725.0000	1302.028	121.158
2020/04/23	22:45:05	4742.5000	1302.030	121.156
2020/04/24	16:15:05	4760.0000	1301.995	121.159
2020/04/25	09:45:05	4777.5000	1301.984	121.154
2020/04/26	03:15:05	4795.0000	1301.952	121.154
2020/04/26	20:45:05	4812.5000	1301.948	121.150
2020/04/27	14:15:05	4830.0000	1301.903	121.159
2020/04/28	07:45:05	4847.5000	1301.905	121.150
2020/04/29	01:15:05	4865.0000	1301.891	121.149
2020/04/29	18:45:05	4882.5000	1301.856	121.150
2020/04/30	12:15:05	4900.0000	1301.843	121.159
2020/05/01	05:45:05	4917.5000	1301.828	121.156

Company Name SOUTHLAND ROYALTY
Well Name QUINTANA MESA 100
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Date(s) of Test 10/9/2019-05/12/2020

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2020/05/01	23:15:05	4935.0000	1301.793	121.158
2020/05/02	16:45:05	4952.5000	1301.791	121.154
2020/05/03	10:15:05	4970.0000	1301.761	121.149
2020/05/04	03:45:05	4987.5000	1301.761	121.152
2020/05/04	21:15:05	5005.0000	1301.742	121.156
2020/05/05	14:45:05	5022.5000	1301.733	121.150
2020/05/06	08:15:05	5040.0000	1301.709	121.156
2020/05/07	01:45:05	5057.5000	1301.682	121.152
2020/05/07	19:15:05	5075.0000	1301.663	121.150
2020/05/08	12:45:05	5092.5000	1301.650	121.154
2020/05/09	06:15:05	5110.0000	1301.616	121.147
2020/05/09	23:45:05	5127.5000	1301.619	121.154
2020/05/10	17:15:05	5145.0000	1301.587	121.152
2020/05/11	10:45:05	5162.5000	1301.573	121.149
2020/05/12	04:15:05	5180.0000	1301.553	121.154