

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 18 2016

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.  
NMMN013686

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
BP America Production Company

3a. Address  
737 North Eldridge Parkway, 12.181A  
Houston, TX 77079

3b. Phone No. (include area code)  
281-892-5369

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec. 34 T31N R09W NENW 615FNL 1840FWL

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

8. Well Name and No.  
Pritchard SWD 1

9. API Well No.  
30-045-28351

10. Field and Pool or Exploratory Area  
SWD; Morrison Bluff Entrada

11. County or Parish, State  
San Juan, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Increase Surface
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Injection Pressure
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	(Step Rate Test Results)

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.)

BP requests to increase our max allowable surface injection pressure on the Pritchard SWD 1 to 1925 psi, based on the results of the Step Rate test performed 07/06/2016. Please see the attached documentation supporting our request.

NMOCD Santa Fe Notified via C-103 form.

OIL CONS. DIV DIST. 3

AUG 05 2016

**BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Toya Colvin

Title Regulatory Analyst

Signature *Toya Colvin*

Date 07/13/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *William Tambekon*

Title *Petroleum Engineer* Date *8/2/2016*

Office *FFO*

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.

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)

*NMOCD* See IPI-258

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13* - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment.

## NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

**PRITCHARD 001 SWD**

Entrada – Water injection

API# 30-045-28351

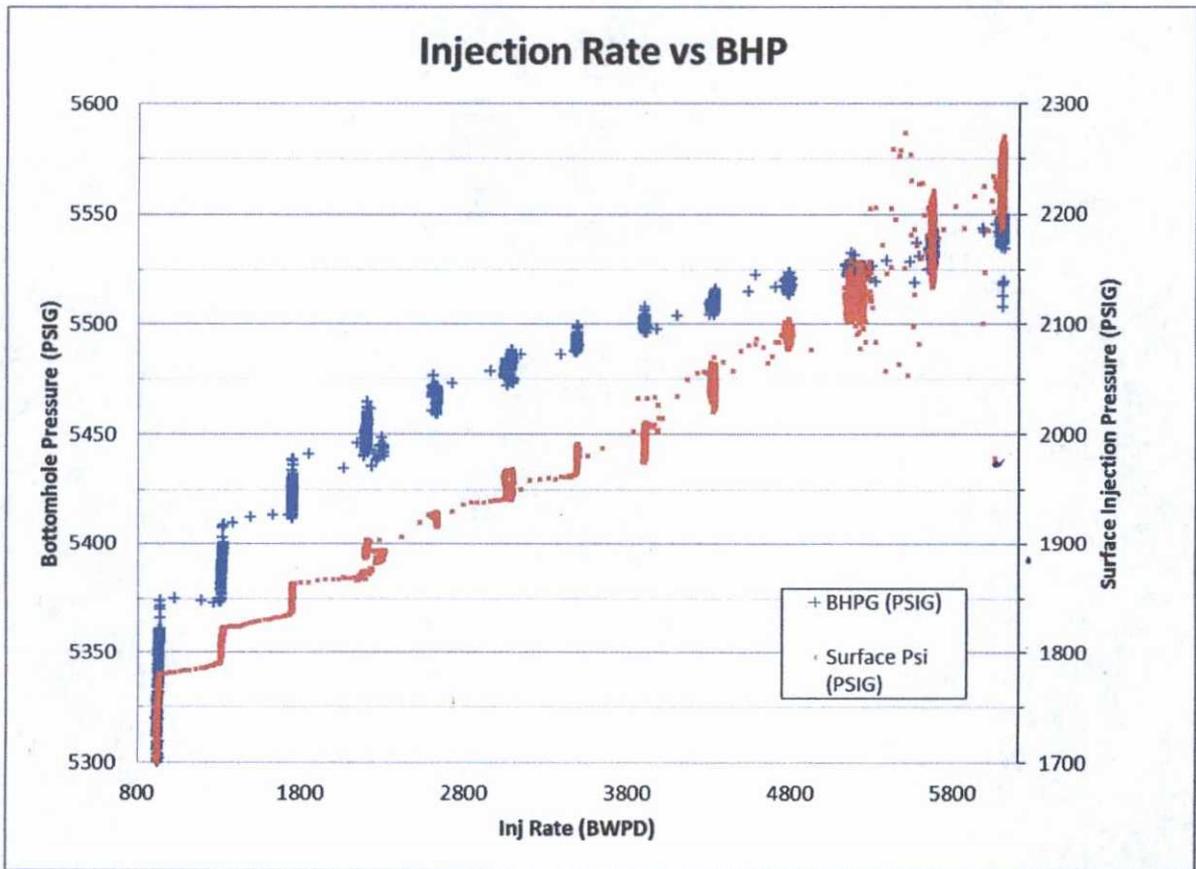
Unit C – Sec 34 – T31N – R09W

San Juan County, New Mexico

**Step Rate Test Results:**

On July 6, 2016, BP performed a step rate test on the Pritchard SWD 1 to evaluate well to increase maximum allowable surface injection pressure. Bottom hole gauges were set in the profile nipple at the EOT and pressure was collected throughout the test. An NMOCD representative was on site to witness the injection test. A bradenhead test was performed and showed no communication between the bradenhead, the intermediate, or the casing x tubing annulus.

Below are the results of the step rate test. Based on these results, BP requests permission to increase the maximum surface injection pressure to 1925 psi.



**BP America  
Pritchard SWD 1  
Step Rate**

Sales Order: 903411913

## **Post Job Report**

For: Clyde Lasster

Date: Wednesday, July 06, 2016

Treater: Brian McCann

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

**HALLIBURTON**

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**1.0 PUMPING SCHEDULE**

**1.1 Designed Pumping Schedule**

Stage Number	Description	Slurry Volume gal	Stage Time min
1	Step Rate Test	252	20.00
2	Step Rate Test	504	20.00
3	Step Rate Test	756	20.00
4	Step Rate Test	1008	20.00
5	Step Rate Test	1260	20.00
6	Step Rate Test	1512	20.00
7	Step Rate Test	1764	20.00
8	Step Rate Test	2016	20.00
9	Step Rate Test	2268	20.00
10	Step Rate Test	2520	20.00
11	Step Rate Test	2772	20.00
12	Step Rate Test	3024	20.00
13	Step Rate Test	3276	20.00
14	Step Rate Test	3528	20.00
15	Shut-In	0	0.00
Total		26460	280.00

**2.0 ACTUAL STAGE SUMMARY**

**2.1 Stage Summary**

Stage Number	Stage Time ucts	Start Time ucts	End Time ucts	Time min	Slurry Volume gal
1	06-Jul-16 13:08:41	13:04:57	06-Jul-16 13:08:41	3.75	29
2	06-Jul-16 13:26:53	13:08:42	06-Jul-16 13:26:53	18.21	500
3	06-Jul-16 13:46:11	13:26:54	06-Jul-16 13:46:11	19.30	749
4	06-Jul-16 14:05:33	13:46:12	06-Jul-16 14:05:33	19.34	994
5	06-Jul-16 14:24:49	14:05:34	06-Jul-16 14:24:49	19.29	1250
6	06-Jul-16 14:44:16	14:24:50	06-Jul-16 14:44:16	19.44	1497
7	06-Jul-16 15:03:42	14:44:17	06-Jul-16 15:03:42	19.44	1750
8	06-Jul-16 15:23:21	15:03:43	06-Jul-16 15:23:21	19.65	2006
9	06-Jul-16 15:43:07	15:23:22	06-Jul-16 15:43:07	19.77	2257
10	06-Jul-16 16:02:57	15:43:08	06-Jul-16 16:02:57	19.81	2508
11	06-Jul-16 16:22:44	16:02:58	06-Jul-16 16:22:44	19.80	2769
12	06-Jul-16 16:42:40	16:22:45	06-Jul-16 16:42:40	19.94	3021
13	06-Jul-16 17:02:28	16:42:41	06-Jul-16 17:02:28	19.79	3278
14	06-Jul-16 17:22:21	17:02:29	06-Jul-16 17:22:21	19.90	3529
15	06-Jul-16 17:42:46	17:22:22	06-Jul-16 17:42:46	20.41	0
Total					26136

**3.0 PERFORMANCE HIGHLIGHTS**

**3.1 Job Summary**

Start Time	06-Jul-16 10:37:35	ucts
End Time	06-Jul-16 17:42:46	ucts
Start Averaging Time	06-Jul-16 13:04:57	ucts
End Averaging Time	06-Jul-16 17:42:40	ucts
Clean Volume	26136	gal
Slurry Volume	26136	gal
Gel Volume	26136	gal
Load to Recover	26136	gal
<b>Volumes Pumped</b>	<b>Total</b>	<b>Units</b>
TREATED WATER	26137	gal

**Disclaimer: The average and maximum values (except volumes and bottom hole values) are based on the start and end averaging times.**

**3.2 Job Stage Log**

Time ucts	Description	Comment
06-Jul-16 13:04:56	Stage 1	Step Rate Test
13:08:41	Stage 2	Step Rate Test
13:26:54	Stage 3	Step Rate Test
13:46:12	Stage 4	Step Rate Test
14:05:33	Stage 5	Step Rate Test
14:24:50	Stage 6	Step Rate Test
14:44:16	Stage 7	Step Rate Test
15:03:43	Stage 8	Step Rate Test
15:23:21	Stage 9	Step Rate Test
15:43:07	Stage 10	Step Rate Test
16:02:57	Stage 11	Step Rate Test
16:22:44	Stage 12	Step Rate Test
16:42:40	Stage 13	Step Rate Test
17:02:29	Stage 14	Step Rate Test
17:22:22	Stage 15	Shut-In

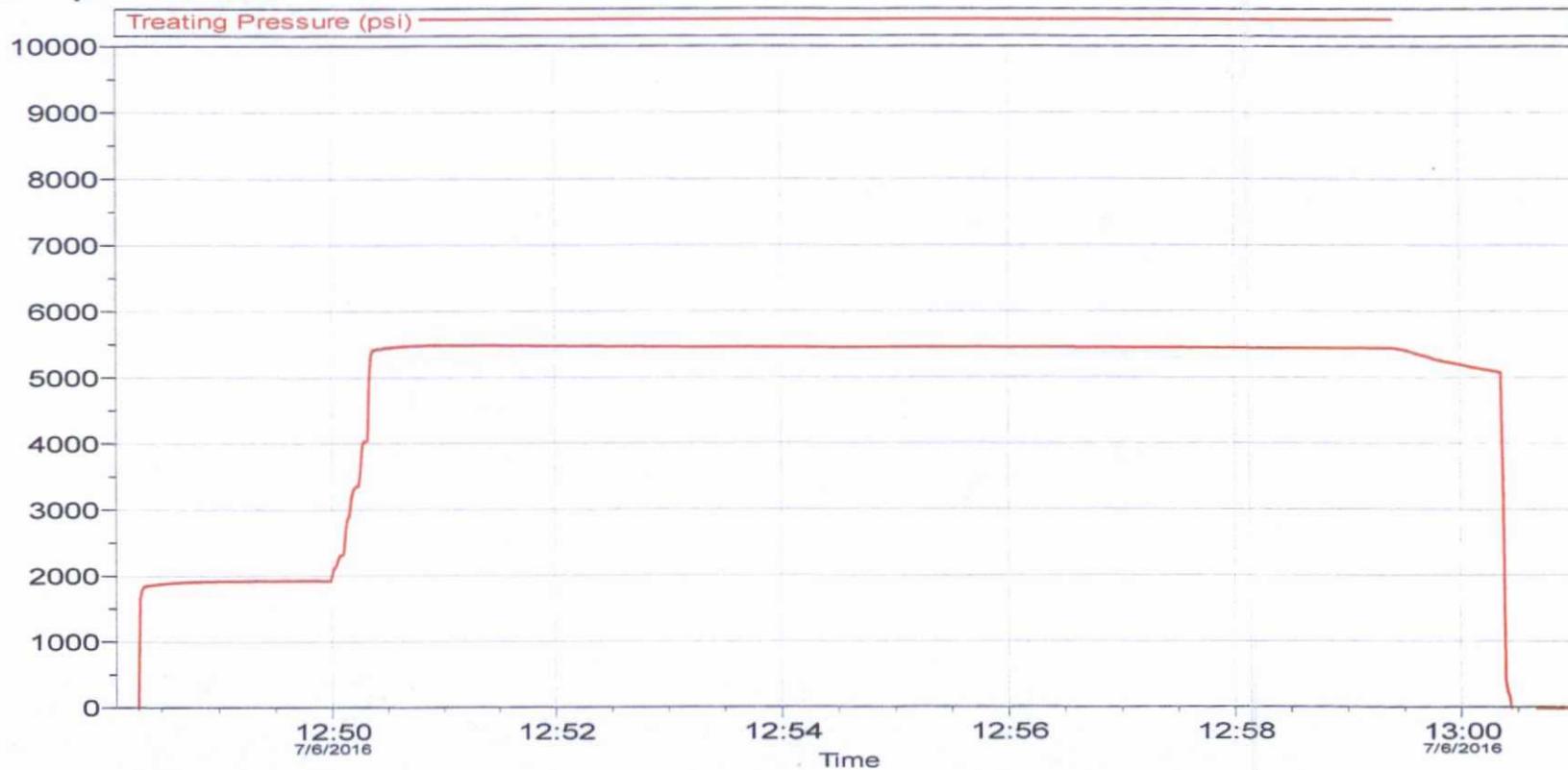
**3.3 Job Event Log**

Stage Number	Event Number	Time ucts	Description	Comment
	1	06-Jul-16 10:37:33	Start Job	Starting Job
	2	11:29:33	Pause	Suspending Job
	3	12:48:04	Resume	Resuming Job
1		13:04:56	Stage 1	Step Rate Test
		13:04:57	Start Averaging	Start Avg Trt 1
2		13:08:41	Stage 2	Step Rate Test
3		13:26:54	Stage 3	Step Rate Test

Stage Number	Event Number	Time ucts	Description	Comment
4		13:46:12	Stage 4	Step Rate Test
5		14:05:33	Stage 5	Step Rate Test
6		14:24:50	Stage 6	Step Rate Test
7		14:44:16	Stage 7	Step Rate Test
8		15:03:43	Stage 8	Step Rate Test
9		15:23:21	Stage 9	Step Rate Test
10		15:43:07	Stage 10	Step Rate Test
11		16:02:57	Stage 11	Step Rate Test
12		16:22:44	Stage 12	Step Rate Test
13		16:42:40	Stage 13	Step Rate Test
14		17:02:29	Stage 14	Step Rate Test
	4	17:22:19	ISIP	1615
15		17:22:22	Stage 15	Shut-In
	5	17:27:20	Shut-In Pressure @ 5 Minutes	1819
	6	17:32:20	Shut-In Pressure @ 10 Minutes	1807
	7	17:37:20	Shut-In Pressure @ 15 Minutes	1794
		17:42:40	End Averaging	End Avg Trt 1
	8	17:42:52	End Job	Ending Job

### 4.0 ATTACHMENTS

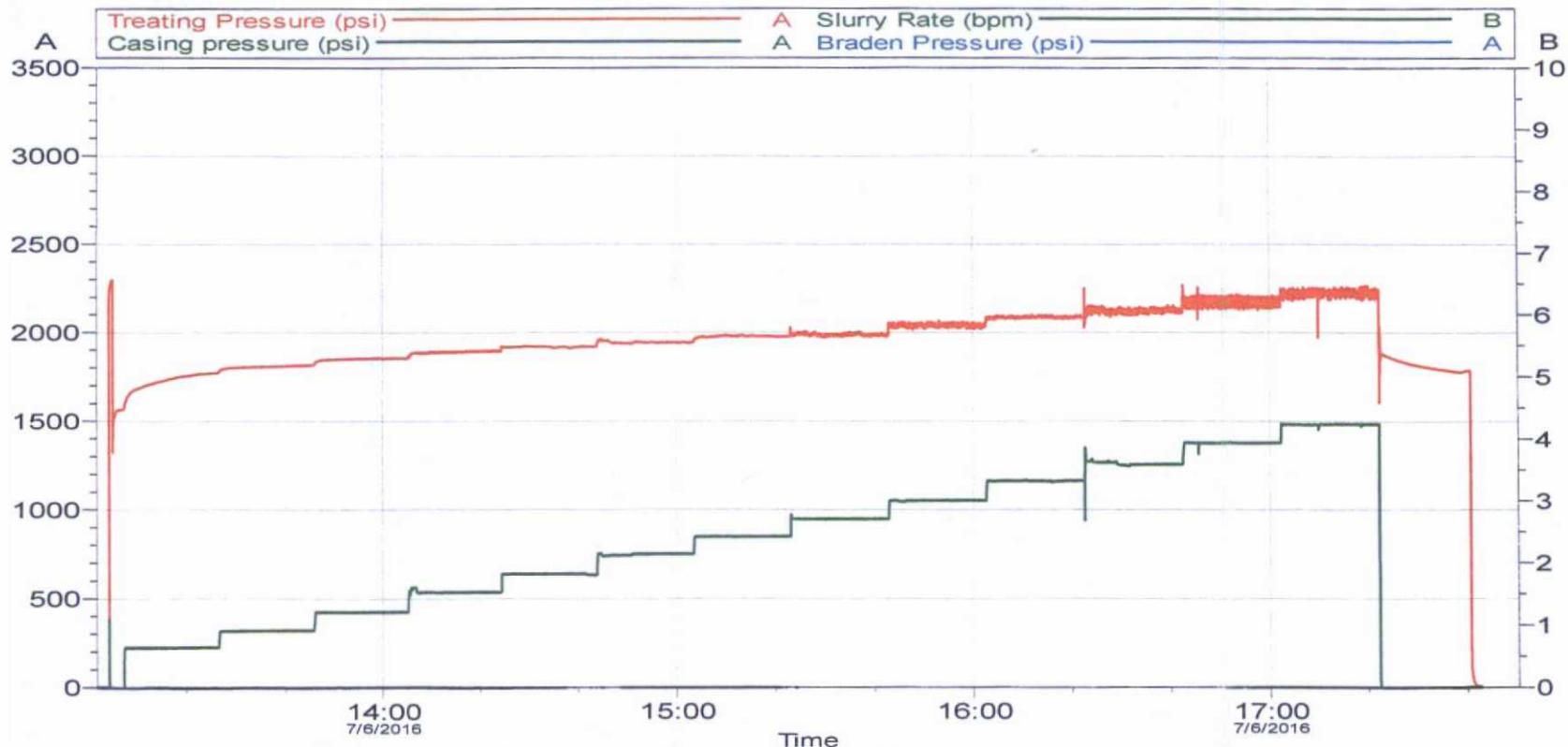
#### 4.1 pressure test



Customer: Well Description:	Job Date: 06-Jul-2016 UWI:	Sales Order #: 903411913
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HALLIBURTON

4.2 treatment



Customer: Well Description:	Job Date: 06-Jul-2016 UWI:	Sales Order #: 903411913
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HALLIBURTON