

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.*

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 2010

5 Lease Serial No

SF - 080723008

6 If Indian, Allottee or tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well



Oil Well



Gas Well



Other

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

3a. Address

PO BOX 3092 HOUSTON, TX 77253

3b. Phone No. (include area code)

281-366-4081

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

2015' FSL & 830' FEL; SEC 19 T29N R12W NESE Mer NMP

8. Well Name and No

Gallegos Canyon Unit 306 SWD

9. API Well No.

30-045-24286

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

11. County or Parish, State

SAN JUAN, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION



Notice of Intent



Acidize



Deepen



Production (Start/Resume)



Water-shut-Off



Alter Casing



Fracture Treat



Reclamation



Well Integrity



Subsequent Report



Casing Repair



New Construction



Recomplete



Other Acid Job



Final Abandonment Notice



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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

The above mentioned well is in immediate need of acid treatment. Verbal approval was given by Charlie Perrin (NMOCD) to Nona Morgan 10/3/2008. Mr. Perrin also indicated he will be on location to witness during the treatment. Rig is expected to move on location 10/7/08 or 10/8/08.

Please see the attached procedure.

RCVD OCT 9 '08  
OIL CONS. DIV.  
DIST. 3

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

Cherry Hlava

Title Regulatory Analyst

Signature *Cherry Hlava*

Date 10/07/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date

OCT 08 2008

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

CARMINGTON FIELD OFFICE

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.

NMOCD

## SJ Basin Well Work Procedure

30-045-24286

Well Name: GCU 306 SWD  
Version: 1.0  
Date: October 6, 2008  
Budget: GCU Well Servicing  
Repair Type: Acidizing MV formation

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**Objective:** *Acidize MesaVerde to improve injection efficiency - Rigless*

1. TIH w/ wireline to locate fill and check for scale
2. MIRU Pumping equipment
3. Pump chemicals and monitor pressure readings
4. Shutdown pumping equipment
5. Record data and return well to injection in the MV and production in the FS

**Well History:** Spud date 4/1980 as a dual well with FS production on one side and MV injector on the other. Workover 12/2001- Replace holey injector tubing. Workover 12/1996 – Squeeze of FS Perfs and abandon FS side. Add perfs and fracture stimulate in MV. 10/1996 – Acidize MV injection side.

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**Pertinent Information:** No history of BH issues found with review of DIMS.

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UIC permit:

**Note that the Vendor has indicated the scale found from a sample that was submitted for testing appears to be CaSO<sub>4</sub> because it emits a strong rotten egg smell when treated with acid and is not magnetic. Therefore please wear proper PPE when pumping acid to treat scale. Furthermore H<sub>2</sub>S monitors should be calibrated properly prior to using for monitoring while working in the area !! Maintain all work upstream of the prevailing wind directions. Use a windsock or other flag to track wind direction when working in the area.**

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### Mesa-Verde Data:

Current Injection Information :	6000 bbls/mo
Avg Injection pressure:	800 #
Max. allowable disposal pressure:	1200#
Working Interests:	100%

### General Wellbore Information:

7" csg K-55 LT&C, 23# from 4154'-3952'

Tubing: 2.375" @2852' internally plastic lined tubing is inside the Baker Retrieval D packer @2849'  
DV tool @1605'

MV perfs: 3022'-3600'

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### HSSE Policy Reminders;

- Hold pre-job safety meetings each morning
- Ensure proper PPE is worn while on location at all times
- Conduct JSA/Risk Assessment prior to each job scope change or prior to allowing a new person to start a job
- Comply with BP's Golden Rules of Safety (*work permit, energy isolation, ground disturbance, confined space entry, working at heights, lifting operations, vehicle safety and management of change*)
- Check and record well pressures each day prior to job commencement
- All pressure tests should be recorded

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### Normal Operating Procedures:

- ADM 5102 Preliminary Well Work Checklist
- INS 8908-00 Power Down Automation
- NOP 8601-00 Procedure for Lockout / Tagout
- NOP 7801-00 Operating Policy for Simultaneous Operations

- NOP 7803-01 Procedure For At Risk Well Locations
- NOP 7804-01 Wellbore Air Purge
- NOP 7809-00 Spill Reduction Procedure for Wells Team
- NOP 7811 Site Security for Well Operations
- NOP 7812 Under Balanced Well Control Tripping
- DWOP Drilling and Well Operation Policy
- Dispensations SJPU and SJS DWOP Dispensations

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#### **Dispensations:**

- Section 9.4.1 (Issue #5, May 2003) – Document #K5500000267
- Stripping rubber to be used instead of Hydri / Annual Preventer.
- Section 24.2 (Issue #5, May 2003) – Document #K5500000261
- No dual mechanical barriers in annulus during all well servicing

#### **Procedures:**

1. Shut well in and lock out tag out production equipment. Set swab tank or dig workover pit to receive any fluids.
2. Notify the following Inspectors 48 hrs prior to working on the well:
 

a). Kelly Roberts (OCD)	505-334-6178 ext. 16
b). Jim Walker (EPA)	505-599-6317(retired)
David Basinger (EPA)	415-972-3506
or David Albright (EPA)	415-972-3971
c). Bill Freeman (Navajo UIC)	505-368-1041
3. Rig up recorders to monitor and record tubing and casing pressures
4. *Please Note: Verbal approval from Charlie Perrin (NMOCD) to Nona Morgan was obtained on Friday October 3, 2008.*

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#### **Slickline Operations:**

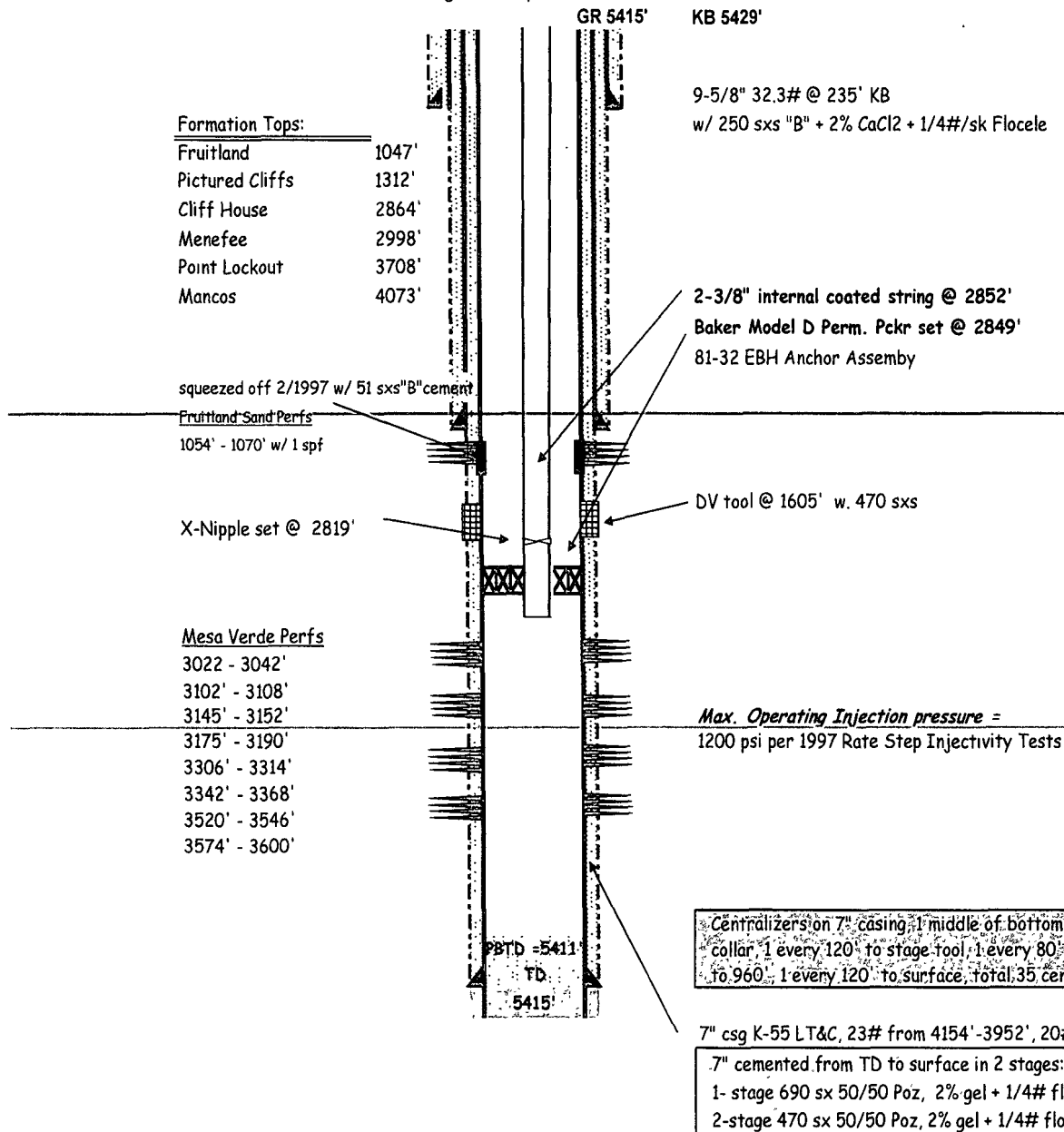
5. RU Slickline and perform pre flush with 30 bbls of 2% KCL water through tubing.
6. ~~PU and TIH with wireline tag to locate any fill/obstruction and check for scale. If obstruction exists above 2819' or fill is above 2852' notify Houston engineering about the next steps to follow. POH. Broach clean any tight spots where possible.~~
  - a. Tag X-nipple @ 2819'

#### **Acid Pumping:**

7. Rig up acid pumping equipment and truck. (*Pumping capability should be in the range of 0 – 5 bpm, with the ability to vary the pumping rate.*) Check and verify lineups have been made properly.
8. Carry out the suggested steps (per Vendor) below to bullhead acid to preferred locations within the MV perms. Utilize WSL recommendations based on wellsite observations and WL tag results for the actual steps.
  - a. Start pumping truck and pump 250 gallons of A 26 (Xylene) at a rate of 0.5 bpm.
  - b. After 3 bbls have passed through the wellhead, shutdown and let soak for 10 minutes. Resume pumping the remaining bbls of A26 at 0.5 bpm rate.
  - c. Pump 500 gallons of 15% HCL acid solution at 0.5 bpm.

- d. After the first 6 bbls of acid have passed through the wellhead, shutdown and let soak for 15-30 minutes. Resume pumping the remaining 6 bbls of acid at 0.5 bpm.
  - e. Pump an additional 500 gallons of acid to the bottom hole assembly and perforations at 2-3 bpm. Once the acid is on bottom, slow pump rate down to 0.5 bpm.
  - f. After 6 bbls have passed the BHA, shutdown and let soak for 15-30 minutes. Resume pumping the remaining bbls of acid at 0.5 bpm until the acid is through the perforations.
  - g. Overdisplace the treatment into the formation with 20 bbls of 2% KCL water.
9. If pressure readings are satisfactory (i.e. < 1000 psi), then shut down pumping equipment and return well to injection. (***Maximum injection pressure should not exceed 1200 psi at this point***).
10. If pressure readings are not satisfactory, then consult with Houston engineering for additional treatment steps.
11. When complete, enter all information into DIMS.
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BP AMERICA PRODUCTION  
WELLBORE SCHEMATIC  
**GCU 306 SWD**  
Unit N Sec 19 Twn 29N Rge 12W  
San Juan County, NM  
Run 23  
Original Compl Date : 1980



updated 9/23/2008 GCU 306 SW disposal well