

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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

**SF-078828A**

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

**RECEIVED**

8 Well Name and No

**GALLEGOS CANYON UNIT 250**

2 Name of Operator

**BP AMERICA PRODUCTION COMPANY**

9 API Well No

**30-045-11683**

3a. Address

**P.O. BOX 3092 HOUTON, TX 77253-3092**

3b. Phone No

**281-366-4081**

10 Field and Pool, or Exploratory Area

**Pinon Gallup**

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

**SEC 14 T28N R12W SESW 990' FSL 1800' FWL**

11. County or Parish, State

**SAN JUAN COUNTY, NM**

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

**TYPE OF SUBMISSION**

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

**TYPE OF ACTION**

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Water Disposal

☐ Water shut-Off

☐ Well Integrity

☒ Other **Repair**

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 shall 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 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.

**This well was found to have a casing leak and squeeze work was done on 5/23/2007 to repair the leak. However recent BH tests have indicated a steady flow and buildup of gas on the BH which needs to be repaired. Leak point has not yet been identified but is anticipated to be shallow at the location of the previous squeeze done in May 2007.**

**Please see attached procedure.**

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

**Cherry Hlava**

Title **Regulatory Analyst**

Signature *Cherry Hlava*

Date **03/03/08**

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

Approved by **Original Signed: Stephen Mason**

Title

Date

**MAR 04 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

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**

**Well Name:** GCU 250-GP  
**Date:** Feb 25, 2008  
**Location:** T28N-R12W-Sec14      **API #:** 30-045-1168300  
**County:** San Juan  
**State:** New Mexico  
**Horizon:** GP      **Engr:** Kegan Rodrigues  
**CO2:** 0.532%      **Cell** (713) 540-8434  
**H2S:** None known      **Fax** (281) 366-0700  
**Repair Type:** Tubing Change Out & Braden Head repair

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### **Objectives**

#### **Pull rods and pump, clean out, and replace tubing:**

1. POH with rods, pump, and tubing.
2. Clean out wellbore
3. Set combination packer and pressure test casing.
4. Locate and isolate bradenhead leak and repair.
5. RIH with new tubing, rods, and pump.
6. Return well to production.

**History:** Well was spudded on 04/18/1966 and was completed in the GP on 5/13/1966. The well underwent Nutro Prep Treatment in 02/09/1972 and production went from 25-53 BOPD. Hot oil work was done on 5/29/1985 to loosen up accumulated paraffin and a pumping unit was installed thereafter. The well was found to have a casing leak and squeeze work was done on 5/23/2007 to repair the leak. However recent BH tests have indicated a steady flow and buildup of gas on the BH which needs to be repaired. Leak point has not yet been identified but is anticipated to be shallow at the location of the previous squeeze done in May 2007.

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### **Procedure**

#### **Preparations:**

1. Perform pre-rig site inspection. Per Applicable documents, check for:  
(1) size of location, (2) gas taps, (3) other wells, (4) other operators, (5) production equipment, (6) wetlands, (7) wash (dikes requirements), (8) H2S, (9) barriers needed to protect equipment, (10) landowner issues, (11) location of pits (buried or lines in pits), (12) raptor nesting, (13) critical location, (14) check anchors, (15) ID wellhead, etc. Allow 48 hours for One Call if earth pit is required.
2. Perform second site visit after lines are marked to ensure all lines on locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.
5. Notify land owners with gas taps on well.

6. Lock out/tag out any remaining production equipment.
7. Check and record tubing, casing, and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved. Check hold down pins on hanger.
8. Check gas H<sub>2</sub>S content and treat if the concentration is > or equal to 10 ppm. Treat for H<sub>2</sub>S, if necessary per H<sub>2</sub>S Wells NOTICE. **Note: No H<sub>2</sub>S is expected at this wellsite location.**
9. Conduct lifting JHA, fill out permit for man lift if pump jack does not have a ladder. Lift employee to walking beam.
10. Lay down horse's head.

#### **Rig Operations:**

11. MIRU workover rig. Hold safety meeting and perform JSA. Complete necessary paperwork and risk assessment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.
12. Make up 3" flowback lines and blow down well. Kill with 2% KCL water or fresh water, as necessary. RU workover rig and equipment.
13. Check all casing strings to ensure no pressure exists on any annulus. The operations of removal of wellhead and installation of BOP will be performed per the DWOP dispensation for a single mechanical barrier in the annulus.
14. **Note: The tubing head was changed out on 5/23/07. It is suspected that there may be communication in the tubing head adapter/seals causing gas flow on the BH. Check and test the tubing head and associated seals. Contact Engineer with results.**
15. ND wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the pit or vent tank. Pressure test BOPs to low of 200 psi and high of 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.
16. Install spool, stripper head, and stripping rubber. Pull tubing hanger up above pipe rams, shut pipe rams, and trip tubing hanger out of hole.
17. Unseat pump and TOH with rods and pump. **Check rods and pump for wear. Rods will need to be replaced if worn.**
18. RIH with wireline with sinker bar to ensure that all pump equipment is out of the tubing and there are no obstructions, fill etc. RIH and set two barriers; plug in profile nipple @ ~5643' and BPV valve in tubing hanger.
19. TOO H w/ 2-3/8 production tubing currently set at ~5658'. Use approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH. **Note: WSL leader should determine whether or not current tubing is suitable to be used as the workstring.**

20. TIH w/ bit & scraper for 4-1/2" casing to the top of the GP perfs at 5646'. Clean out wellbore as necessary and POOH with scraper.

#### **Squeeze Work:**

21. RIH with 2-3/8" tubing with combination packer (4- 1/2" RBP on end and a mechanical set retrievable packer approx. one joint above, ~30', the CIBP). Set the RBP @ 1250'. TOH one joint and set packer. Pressure test RBP to 500 psi.
22. Load hole and circulate out any produced fluids. Pressure test 4-1/2" casing above packer to 500 psi for 15 minutes. Monitor pressure loss and bradenhead for any indication of communication during testing. If the pressure does not hold above the packer, then proceed to isolate leak by moving packer up hole in "half intervals" and repeating pressure test of packer until leak is found. Attempt to isolate the leak as close as possible. Report pressure testing results and bradenhead pressure and bleed details to the BLM, NMOCD, and Engineer.
23. **Note: Leak is presumed to be shallow at the location of the previous squeeze done in May 2007 (holes from 20-50'). The well will be pressure tested from 1250' to ensure that no holes exist below the previous source. The next steps assume that the leak is at or near the previous squeeze interval. This is subject to change based on the pressure testing results. Consult with the engineer during this process.**
24. Once leak has been located, pull RBP/ packer assembly and TOH with workstring. RIH with composite bridge plug on wireline and set at ~100'.
25. RIH w/ 2-3/8" workstring and 4-1/2" cement retainer and set retainer ~10' above squeeze holes, making sure to avoid any casing collars. Stab into retainer and pump sufficient cement to attempt to circulate to surface behind 4-1/2" casing. If and when cement to surface is obtained, shut bradenhead valve and attempt to walk squeeze to obtain a ~200 psi squeeze pressure. WOC. **Consult with engineer during squeeze work and before attempting step 26.**
26. If squeeze is unsuccessful try to pump cement from surface down bradenhead.
27. Pressure test squeeze. If squeeze does not test, contact engineer. Engineer will work with NMOCD/BLM on repairing the leak. Procedures may have to be modified per the NMOCD/BLM.
28. Un-stab from retainer and POOH w/ work string. Drill out retainer, cement in 4-1/2" casing, and composite plug @ 100'.
29. Clean out wellbore as necessary.

#### **TIH w/ Pump & New Tubing-Put well back on production:**

30. MU BHA with F and X profile nipples. TIH new tubing (yellow band) to 5670', below GP perfs. MU redressed tubing hanger and TIW valve on lifting pup. Land tubing.
31. Hold JHA and fill out permit for BOP critical lift. ND and strip off diversion spool, stripper head and other under balanced well control equipment. ND and strip off BOP. Remove TIW valve and lifting sub. NU wellhead.

32. PU and TIH with pump and rods. Seat pump a few feet off of EOT in F-nipple. MU stuffing box and hang off rods. Note: **Use existing pump, rods, and associated equipment.**
33. Load tubing with 2% KCl water. Test stroke pump to 500 psi. RDMO workover rig.
34. Schedule service company to install horses head, hang on polish rods, and space out pump.
35. Follow lock out/tag out procedures to power up, pressure up, purge, and return to service all surface equipment. Start pump jack and run to check for proper tag of pump.
36. Return well to production; A GCU personnel will be on location to restore to production if there are no associated problems.



### Gallegos Canyon Unit 250

Dakota Basin  
API # 30-045-1168300  
990 FSL & 1800 FWL  
Sec 14, T-28-N, R-12-W  
San Juan County, New Mexico

G.L. 5738'  
K.B. 5751'

#### Well History:

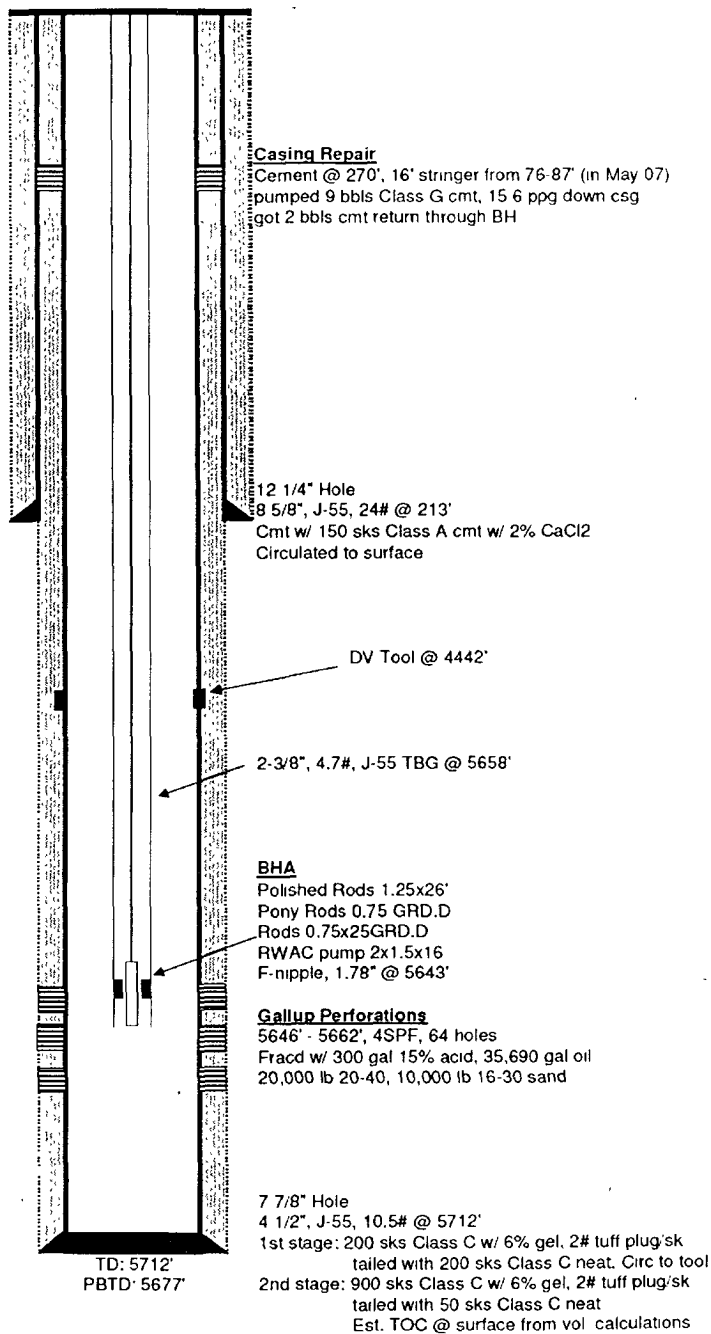
Spudded on 4/18/66  
Completed in GP on 5/13/66  
Nutro Prep Treatment 2/9/72  
Hot oiled well 5/29/85 to loosen paraffin  
Installed pumping unit 5/29/85  
Casing Repair 5/23/07

#### Formation Tops:

Ojo Alamo	372
Kirtland	472
Fruitland	1110
Picture Cliffs	1596
Lewis Shale	1788
Cliff House	3149
Mennefee	3263
Point Lookout	4066
Mancos	4348
Gallup	5232
Greenhorn	NP
Graneros Dak	NP
Main Dakota	NP

**Comments:** 110 gals nutro prep pumped down annulus; production went from 25-53 BOPD. Well has had history of paraffin problems. Well had a casing/bradenhead leak which was repaired in May 2007 in addition to changing out the tubing head. Recent BH test indicate that there is still a BH issue which needs to be repaired

### CURRENT WELLBORE



Kegan Rodrigues 2/25/08