

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMSF079244A

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

8. Well Name and No.

GALLEGOS CANYON UNIT 36

2. Name of Operator

BP AMERICA PRODUCTION CO

Contact: CHERRY HLAVA

E-Mail: hlavacl@bp.com

9. API Well No.

30-045-07330-00-S1

3a. Address

HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281-366-4081

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL  
WEST KUTZ PICTURED CLIFFS

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

Sec 19 T28N R12W SENE 1758FNL 1013FEL  
36.65007 N Lat, 108.14690 W Lon

11. County or Parish, and State

SAN JUAN COUNTY, NM

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

## TYPE OF SUBMISSION

## TYPE OF ACTION

☒ 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☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☒ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

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.)

REVISION TO ELECTRONIC SUBMISSION #76303 dated 10/27/2009

This revision to original T&amp;A is being submitted per NMOCD request for additional cement.

Please see attached revised procedure. Should you have any questions please call Nona Morgan  
@281-366-6207

RCVD NOV 3 '09

OIL CONS. DIV.

DIST. 3

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

**Electronic Submission #76531 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION CO, sent to the Farmington  
Committed to AFMSS for processing by JIM LOVATO on 10/30/2009 (10JXL0014SE)**

Name (Printed/Typed) CHERRY HLAVA

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/30/2009

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

Approved By JIM LOVATO

Title PETROLEUM ENGINEER

Date 10/30/2009

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*****NMOCD**

## SJ Basin Revised Plugging Procedure

30-045-07330

Well Name: GCU 36  
Date: October 30, 2009  
Location: T28N-R12W-Sec19  
County: San Juan  
State: New Mexico  
Pipeline: Enterprise  
Horizon: FT  
CO2%: 1.33%  
H2S: Yes

Engr: Nona Morgan  
ph (281) 366-6207

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### Objective: Cement Squeeze for Holes in Casing

1. Check pressures and monitor carefully for Hydrogen sulfide gas.
2. Cleanout wellbore
3. RIH and tag bottom cement plug location. POH
4. RIH and spot 2-3 bbls (150') of cement on top of bottom cement
5. *PU + PT, Do not drill out*
6. *RIH w/ RBP @ 340' <sup>500'</sup> 3-4 bbls (500')* of cement on top of RBP. Perform squeeze.
7. PU slowly and pressure test. *Do not drill out.*
8. Notify BLM & NMOCD
9. Perform pressure test casing and run MIT
10. If casing passes, RDMO. Otherwise, discuss options w/NMOCD

**Well History:** Spud date is 05/1953. 8/2002 - Fish and replace holey tubing. Perform cleanout. 11/2006 - Attempted to swab well, no fluid found. 12/2006 Pulled tubing, ran scraper across perfs, tag for fill, no fluid 2/14/07 - Ran flowing gradient survey, no fill, no fluid indicated. 4/2008 - Acid and methanol treatment.

### Preparations

#### Wellsite Preparations and Agency Notifications:

**NOTE: THIS WELL PRODUCED H2S DURING THE LAST INTERVENTION. TAKE SAFETY PRECAUTIONS!!! PROPER PPE SHOULD BE WORN ALONG WITH WELL CALIBRATED H2 S MONITORS**

1. Notify the following Inspectors 48 hours before working on the well;  
  
Charlie Perrin 505-334-6178 ext.11 or Kelly Roberts 505-334-6178 ext. 16 (NMOCD)  
Steve Mason/ Jim Lovato 505-599-6364 (BLM)
2. 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.
3. Identify wellhead for proper flange connections and BOP equipment.

4. Work with GCU through CoW and w/P&S to develop a plan to move or temporarily relocate equipment that prohibits well servicing/plugging objectives.
5. Notify land owners with gas taps on well.
6. Perform a second site visit after lines are marked to ensure all line locations are clearly marked and that Planning & Scheduling has stripped equipment and set surface barricades as needed.
7. Properly lock out/tag out any remaining production equipment. Ensure all necessary production equipment is isolated (LOTO) including, but not limited to the meter run, automation, and separator, etc.

#### **Initial Well Checks & Preparations:**

<b>NOTE: Well contains 7" casing</b>
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8. **CAREFULLY** - 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. It may be necessary to work with Baker Petrolite to treat with H<sub>2</sub>S scavengers prior to working on this well again.
9. Hold safety meeting and perform JSA. Complete necessary paperwork and risk assessment.
10. Check and record tubing, casing and bradenhead pressures daily. Ensure production casing and bradenhead valves are double valved. Double valve all casing strings. Check lock down pins on hanger.
11. Pressure test tree and hanger to 200 psi above SITP. Make up 3" flowback line, if necessary and blow down well. Kill with 2% KCL water or fresh water, as necessary. Check all casing strings to ensure no pressure exist on any annulus.
12. Check that mechanical barriers plugs/bpv in tubing and tubing hanger or install "G" Packoff are set.
13. Blowdown and kill tubing and casing strings.

#### **Spot Cement plug and squeeze.**

14. RU W/L. RIH and tag cement plug at -761'. RD W/L.
15. RIH w/open-ended 2-3/8" workstring to top of bottom cement plug and spot 2-3 bbls (150') of cement on top. Perform squeeze. WOC.

**NOTE: DO NOT DRILL OUT LOWER CEMENT PLUG located at -600' depth.'**

16. Close blind rams and pressure to 500 psi. Check that pressure holds. If not, spot 1 more bbl of cement and pressure up again and check whether pressure holds. POH.
17. RIH w/ workstring and set 7" RBP or mechanical device at 340'. Test mechanical plug. POH.

18. RIH w/ open-ended 2-3/8" workstring to 330'. Spot 3-4 bbls (300') of cement on top of RBP. Perform squeeze. WOC.

19. Close blind rams and pressure up to 500 psi. Check that pressure holds. If not, spot 1 - 2 more bbls of cement and pressure up to 500 psi and check that pressure holds. (*Contact Engineer & BLM if can't get pressure to hold and see what are other options.*)

**NOTE: DO NOT DRILL OUT CEMENT PLUG located at 30'-330'**

20. RU W/L. Tag top of cement. Record depth. RD W/L.

21. Prepare to perform MIT.

**Perform MIT as per Regulatory Requirements 19.15.4.203 for Temporary Abandonment Approval**

22. Notify appropriate Regulatory personnel (BLM & NMOCD) prior to performing MIT testing.

23. Load hole and circulate out any produced fluids. Pressure test wellbore to 500 psi for 30 minutes. Monitor bradenhead for indications of communication while this is being done.

- Make sure all the necessary witnesses are present from regulatory agencies during the integrity tests
- All casing valves should be opened before during and or immediately after the 30 minute pressure test
- Pressure drop should not be more than 10% over a 30 minute period.
- Use a chart recorder to record the results of the MIT with a maximum 2-hr clock and max 1000 psi spring which has been calibrated recently as per regulatory guidelines.
- Make sure all witnesses to the test sign the chart. Submit chart to Cherry Hlava for subsequent submittal of C-103 form for approval of the T&A.

24. At any point, if the tests fails consult with engineer and BLM/ NMOCD to take next steps. Note that there has been a history of casing problems with this well.

Prepare to possibly permanently plug and abandon well.

**Shut-In Wellbore :**

25. Once approval given by Regulatory to T&A the well, pump casing to load hole with inert fluid

26. Follow log out/tag out procedures for well and surface equipment.

27. Leave well shut in. RD MO service unit.

28. Restore location as necessary.

## Current wellbore



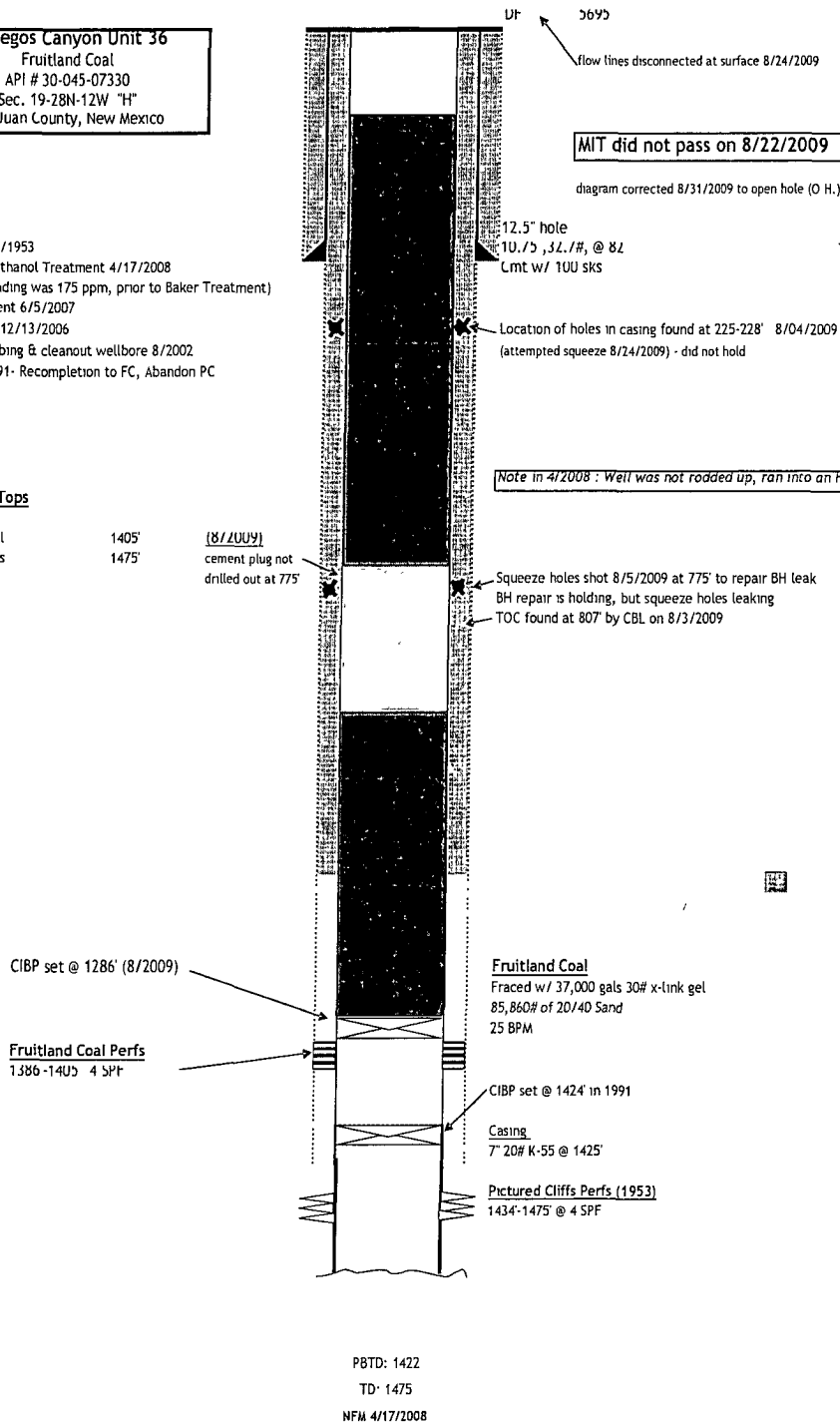
**Gallegos Canyon Unit 36**  
Fruitland Coal  
API # 30-045-07330  
Sec. 19-28N-12W "H"  
San Juan County, New Mexico

### History

Spud Date: 5/1953  
Acidize & Methanol Treatment 4/17/2008  
(Last H2S reading was 175 ppm, prior to Baker Treatment)  
Acid Treatment 6/5/2007  
Cleanout fill 12/13/2006  
Fish holey tubing & cleanout wellbore 8/2002  
Workover 1991: Recompletion to FC, Abandon PC

### Formation Tops

Fruitland Coal	1405'
Pictured Cliffs	1475'



# Proposed T&A wellbore



**Gallegos Canyon Unit 36**  
Fruitland Coal  
API # 30-045-07330  
Sec. 19-28N-12W "H"  
San Juan County, New Mexico

## History

Spud Date: 5/1953  
Acidize & Methanol Treatment 4/17/2008  
(Last H<sub>2</sub>S reading was 175 ppm, prior to Baker Treatment)  
Acid Treatment 6/5/2007  
Cleanout fill 12/13/2006  
Fish holey tubing & cleanout wellbore 8/2002  
Workover 1991- Recompletion to FC, Abandon PC

## Formation Tops

Fruitland Coal 1405'  
Pictured Cliffs 1475'

(8/2009)  
cement plug not  
drilled out at 775'

CIBP set @ 1286' (8/2009)

**Fruitland Coal Perfs**  
1386-1405 @ 4 SPF

DF 5695

flow lines disconnected at surface 8/24/2009

proposed (10/2009) TOC set at 32'  
cement plug pumped 30'-330'

MIT did not pass on 8/22/2009

diagram corrected 8/31/2009 to open hole (O.H.)

12.5" hole  
10.75" ID, 32.1" O.D., @ 82  
Lmt w/ 100 sks

Location of holes in casing found at 225-228' 8/04/2009  
(attempted squeeze 8/24/2009) - did not hold

set RBP at 340'

Note in 4/2008 - Well was not rodged up, ran into an H<sub>2</sub>S problem; no fluids

Squeeze holes shot 8/5/2009 at 775' to repair BH leak  
BH repair is holding, but squeeze holes leaking  
TOC found at 807' by CBL on 8/3/2009

**Fruitland Coal**  
Fraced w/ 37,000 gals 30# x-link gel  
85,860# of 20/40 Sand  
25 BPM

CIBP set @ 1424' in 1991

Casing  
7" 20# K-55 @ 1425'

**Pictured Cliffs Perfs (1953)**  
1434'-1475' @ 4 SPF

PBTD: 1422  
TD: 1475  
NFM 4/17/2008

# San Juan - San Juan South

Country: UNITED STATES	County: SAN JUAN	Event: WORKOVER	Wellbore: CH	Orig KB Elev: 0.00 ft
Region: NORTH AMERICA	State: NEW MEXICO	Event Start: 8/12/03	Top TMD: 0.0 ft	Ground Elev: 0.00 ft
Bus. Unit: HAS SPU	District: FARMINGTON	Event End: 8/12/03	Bottom TMD: 0.0 ft	KB to GL: 0.0 ft
Permit: SAN JUAN		Objective: REPAIR - CASING LEAK	Spud: 8/11/92	Mud Line Elev: 0.00 ft
Asset: SAN JUAN SOUTH		Contractor: REY ENERGY SERVICES		
Field: KUTZ WEST-PICTURED-CLIFFS-GAS				

Tubing/CT/SS Components	Min ID	Top	Wellsketch	Perf Interval / SPF / Phasing
1 - TUBING HANGER, 2.375 X 7.0625	1.995 in	10.0 ft		
1 - TUBING, 2.375, 4.7#, J-55, BUE T+C	1.995 in	11.0 ft		
1 - TUBING SUB, 2.375 X 10 FT	1.995 in	41.9 ft		
43 - TUBING, 2.375, 4.7#, J-55, BUE T+C	1.995 in	51.9 ft		
1 - NIPPLE, PROFILE 'X', 2.375 O.D., 1.875 I.D.	1.875 in	1,388.6 ft		
1 - TUBING SUB, 2.375 X 4 FT	1.995 in	1,389.8 ft		
1 - NIPPLE, PROFILE 'F', 2.375 O.D., 1.780 I.D.	1.780 in	1,393.8 ft		
1 - MULE SHOE, 2.375	1.995 in	1,394.6 ft		

775.6 ft - 776.6 ft - 4 /ft - 0.0 °

# Strings/Assemblies in the Hole on 8/21/2009

GCU 36

Event. WORKOVER

Wellbore. OH

Event Dates 8/4/2009 to 8/21/2009

TUBING			Top:	10.00 ft	Status:	INSTALLED			
Install Date: 12/15/2006			Bottom	1,396.6 ft	Pull Date: <no data>				
Component Details	Size	Jts	Length	Weight	Grade	Threads	Min ID	Cond.	Comments
TUBING HANGER, 2.375 X 7.0625	7.027 in	1	1.00 ft	0.00 lb/ft		EUE 8RD	1.995 in	S	
TUBING, 2.375, 4.7#, J-55, EUE T	2.375 in	1	30.90 ft	4.70 lb/ft	J-55	EUE T+C	1.995 in	Y	
TUBING SUB, 2.375 X 10 FT	2.375 in	1	10.00 ft	0.00 lb/ft			1.995 in	N	
TUBING, 2.375, 4.7#, J-55, EUE T	2.375 in	43	1,336.73 ft	4.70 lb/ft	J-55	EUE T+C	1.995 in	S	
NIPPLE, PROFILE "X", 2.375 OD,	2.375 in	1	1.20 ft	0.00 lb/ft		EUE 8RD	1.875 in	UI	
TUBING SUB, 2.375 X 4 FT	2.375 in	1	4.01 ft	0.00 lb/ft	J-55	EUE T+C	1.995 in	UI	
NIPPLE, PROFILE "F", 2.375 OD,	2.375 in	1	0.78 ft	0.00 lb/ft		EUE 8RD	1.780 in	UI	
MULE SHOE, 2.375	2.375 in	1	2.00 ft	0.00 lb/ft	J-55	8 RND	1.995 in	S	