

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-045-28068</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Gallegos Canyon Unit</b>
8. Well Number <b>513</b>
9. OGRID Number <b>000778</b>
10. Pool name or Wildcat <b>W. Kutz Pictured Cliffs</b>

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator <b>BP America Production Company</b>	
3. Address of Operator <b>P.O. Box 3092 Houston, Tx 77253-3092</b>	
4. Well Location Unit Letter <b>H</b> : <b>1560</b> feet from the <b>North</b> line and <b>795</b> feet from the <b>East</b> line Section <b>34</b> Township <b>29N</b> Range <b>12W</b> NMPM <b>San Juan</b> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5345'</b>	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL. <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)  
SEE RULE 1103 For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**JULY COMPLIANCE WELL**

After clean out earlier this year the above mentioned well came back at only 5 mcf/d and is unable to sustain production. BP has reviewed this well and finds no further uphole potential. BP America respectfully requests permission to P&A the entire well bore of said well.

Should you have any questions please contact Nona Morgan @ 281-366-6207

RCVD JUN 17 '09  
OIL CONS. DIV.  
DIST. 3

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 06/15/09

Type or print name Cherry Hlava E-mail address: hlavac@bp.com PHONE: 281-366-4081  
**For State Use Only**

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUN 30 2009  
Conditions of Approval (if any):

8/6/30

## **SJ Basin Plugging Procedure**

**30-045-28068**

**Well Name:** GCU 513  
**Date:** June 12, 2009  
**Budget:** GCU Well Plug and Abandonment  
**Repair Type:** PXA

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<b>Location:</b>	<b>T29N-R12W-Sec 34</b>	<b>County:</b>	<b>San Juan</b>
<b>State:</b>	<b>New Mexico</b>	<b>P/L:</b>	<b>Enterprise</b>
<b>Horizon:</b>	<b>PC</b>	<b>Engr:</b>	<b>Nona Morgan</b>
<b>CO2:</b>	<b>1.0839%</b>		<b>Phone (281)-366-6207</b>
<b>H2S:</b>	<b>None known</b>		<b>Cell (713) 890-2002</b>
			<b>Email: Nona.Morgan@bp.com</b>

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Current Status - Well is shut in and unable to produce. Well's production has been killed by a Fruitland Coal well drilled in the area, GCU 579 FT. The well makes very little fluid, which can be pumped off, however the reservoir pressure is too low to provide any gas flow for any consistent production and thus normally remains shut in. Per the Reservoir Engineer, no uphole potential exists for this well.

### **Procedure:**

#### **Wellsite Preparations and Agency Notifications:**

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)**
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 and second site visit after lines are marked to ensure all lines 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:**

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.
9. MIRU workover rig. Conduct lifting JHA and fill out permit for removing the Horse's head. 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.

#### TOH w/ Pump & Rods

12. Hang off polish rod on stuffing box and remove horses head.
13. Pump tubing capacity with 2% KCL water to load tubing. Test stroke pump to 500 psi if tubing will load. **Note:** If tubing will not load or goes on vacuum after loading, then hole in tubing or pump shoe problem is indicated.
14. Unseat pump. TOH Rods/Pump, inspect rods and pump for scale or wear. \*Watch lower rods (near EOT) closely for signs of wear on guides and rods. (Discuss disposition of rods with Engineer and Ken Russell.)

#### Completion Removal

15. RU slickline and set mechanical barriers plugs/bpv in tubing and tubing hanger or install "G" packoff. Blowdown and kill tubing and casing strings. RD slickline.
16. Nipple down Wellhead. Reference "No Dual Barrier in Annulus During All Well Servicing" dispensation. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 250 psi on the low end and on the high range at 1500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank), if available, throughout workover.
17. Install stripping rubber. Pull tubing hanger up to rubber and shut pipe rams. Bleed pressure above rams. Pull stripping rubber and hanger up to floor. Remove hanger and replace stripping rubber.
18. Open rams and TOOH w/ 2-3/8 production tubing currently set at 1357'. PBTD 1417' Use approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH. *(It is acceptable to use the existing tubing as workstring, if it appears to have good integrity based on normal inspection procedures. - WSL's discretion.)*
19. TIH w/ bit & scraper for 4-1/2" casing to the top of the PC perfs at 1310' and clean out.
20. RIH with 4- 1/2" CIBP on workstring and set at 1290'.
21. Load hole and circulate out any produced fluids. Pressure test wellbore to 500 psi for 15 minutes. Monitor bradenhead for indications of communication while this is being done.

22. RU slickline and run Schlumberger CBL for 4-1/2" casing from 1290' to surface. RD slickline. Report casing load, cement quality, and pressure test results, bradenhead pressure and bleed details, and TOC to the BLM, NMOCD, and Production Engineer.

**Spot Plug Locations and Pump Cement to plug off Pictured Cliffs & Fruitland Coal intervals:**

23. RIH with 2-3/8" open-ended workstring to 1290'. Spot 400' or ~52 sacks - (39 cu. Ft.) of G-Class cement on top of CIBP from 1290'-890'. This will isolate the entire PCCF and FT Gas bearing productive intervals. WOC.
24. Based on 4-1/2" CBL forthcoming results, it will be determined if and where cement will be required behind casing to squeeze off the Pictured Cliffs Sandstone and Fruitland Coal productive intervals.

The next steps listed below assume the TOC behind the 4-1/2" casing is available in sufficient quantities to surface and will fully plug off the identified producing intervals from a depth of 1455' to surface. However, the order and detail of the next steps could change based on the casing pressure tests and CBL results. If necessary, a modified procedure that has been agreed upon by the NMOCD/BLM will be issued at that time to fully isolate and squeeze off any portion of the producing intervals where cement is found to be inadequate according to test reports. *The engineer should be consulted throughout the plugging and abandonment procedures. All CBL and pressure test results will be reported to the onsite NMOCD and BLM representatives.*

**Set Cement Plugs to Isolate & Plug off Shallow Productive Zones: Kirkland & Ojo Alamo**

25. RIH w/ 2-3/8" workstring and 4-1/2" cement retainer and set @ 250'.
26. RIH with 2-3/8" open-ended workstring to 250'. Spot 250' or ~33 sacks - (24 cu. Ft.) of G-Class cement on top of cement retainer from 250' to surface. This will isolate the wellbore from the entire Kirkland/Ojo Alamo horizon to surface.
27. If CBL indicates no cement behind pipe across the Kirkland or Ojo interval, work with engineer to develop plans to perform a squeeze behind pipe from 250' to surface.

**Final Plugging and Abandonment steps:**

28. After completion of the above described or modified cementing procedures, If cement cannot be seen on all annulus and casing strings after removing wellhead, remedial cementing at the surface will be required.
29. Install 4' well marker and identification plate per NMOCD requirements.
30. RU slickline to remove all mechanical barriers and plugs. RD slickline.
31. RD service rig and release all equipment. Remove all Wells Team LOTO equipment.
32. Ensure all well work details and well bore equipment report are entered in DIMS. Print DIMS summary of work and wellbore diagram and put in well file. Notify Sherri Bradshaw and Cherry Hlava of completed P&A for final regulatory agency reporting and database clearing.
33. Submit work request to Planning and Scheduling to prepare location for reclamation and reseeding.

## Current Wellbore



### Gallegos Canyon Unit 513

Pictured Cliffs  
API # 30-045-28068  
T-29N, R-12-W, Sec. 34  
San Juan County, New Mexico

#### History

Spud Date: 10/1990  
Well Svc. (06/2005) - Pump Change  
Well Svc. (05/2004) - Pump change  
Well Svc. (11/2001) - Reland Tbg. Tbg change  
Well Svc. (9/2000) - Unknown Repair  
Well Svc. (11/1998) - Replace holey tubing  
Well Svc. (04/1997) - Replace holey tbg; Pump change

#### Formation Tops

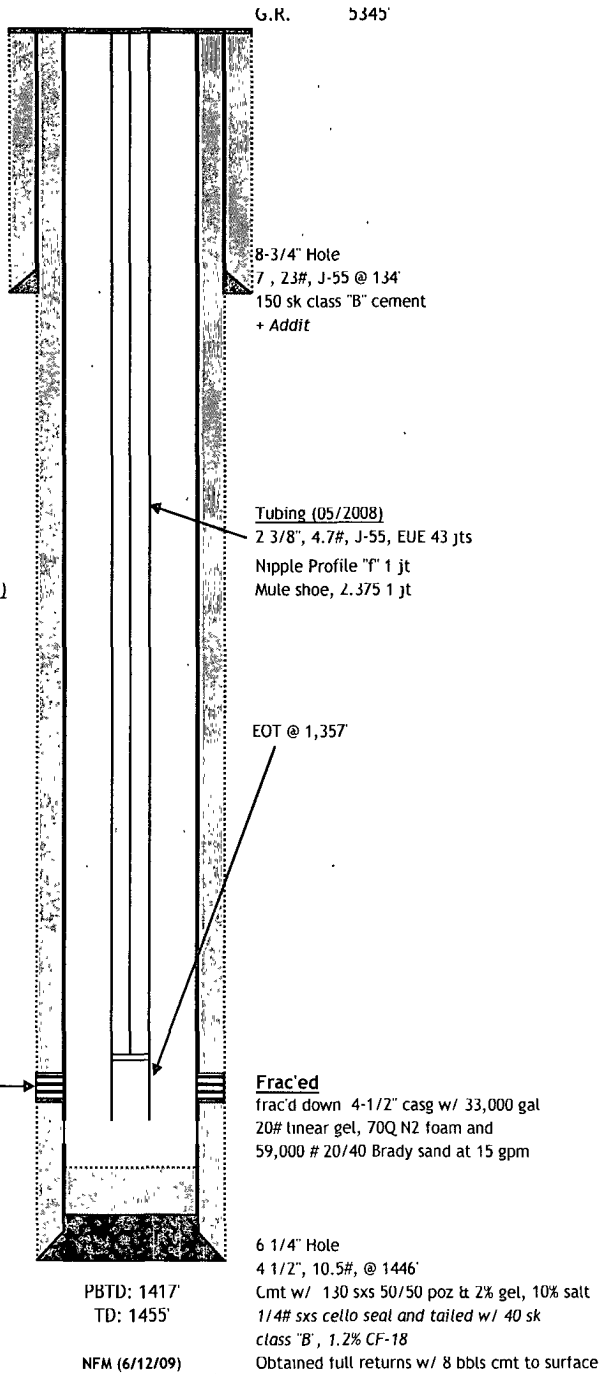
Ojo Alamo	98'
Kirtland	163'
Fruitland	935'
Basal FC	1280'
Pictured Cliffs	1305'
ID	1455'

#### Sucker Rods (05/2008)

Rods, Polished 1.25 (Liner)  
Rods, Pony 0.75 X 8' GRD D  
Rods, Pony 0.75 X 6' GRD D  
Rods, Pony 0.75 X 4' GRD D  
Rods, Pony 0.75 X 2' GRD D  
Rods 0.75 X 25 GRD D 52 jts  
Pump, RWAC 2.0 X 1.5X 10'

#### Pictured Cliffs Perforations

1,310' - 1,320' w/ 4 JSPT



# Proposed PXA



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T-29N, R-12-W, Sec. 34  
San Juan County, New Mexico

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