

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. 30-045-21103

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Lobato Gas Com H

8. Well Number 1

9. OGRID Number 778

10. Pool name or Wildcat  
Blanco Pictured Cliffs

SUNDRY NOTICES AND REPORTS ON WELLS

(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 ☐ Gas Well ☐ Other

2. Name of Operator

BP America Production Company

3. Address of Operator

P.O. Box 3092 Houston, Tx 77253-3092

4. Well Location

Unit Letter L : 1630 feet from the South line and 1120 feet from the West line  
Section 03 Township 29N Range 09W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5639' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

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.

BP respectfully requests permission to plug and abandon the entire wellbore of the above mentioned well.

Should you have any technical questions about the procedure please call Jesse Gracia @281-366-1946

RCVD SEP 28 '09  
OIL CONS. DIV.  
DIST. 3

Spud Date: 11/20/1972

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 09/24/2009

Type or print name Cherry Hlava E-mail address: Hlavacl@bp.com PHONE: 281-366-4081

For State Use Only

Deputy Oil & Gas Inspector,  
District #3

APPROVED BY: Toby G. Balle TITLE \_\_\_\_\_ DATE OCT 02 2009

Conditions of Approval (if any):

## SJ Basin Well Work Procedure

**Well Name:** Lobato GC H Pictured Cliffs      **API#:** 30-045-21103  
**Date:** Sept 10, 2009  
**Version:** 1.0  
**Repair Type:** P&A  
**Location:** T29N-R9W-Sec 3  
**County:** San Juan  
**State:** New Mexico  
**Engr:** Jesse Gracia  
**Ph:** 281-366-1946

---

### **Objective: P&A wellbore.**

1. Remove 1 1/4" tubing
2. Ensure wellbore is clean of obstructions.
3. Set CIBP and run CBL to surface
4. Pump cement plugs and remove wellhead.

**Well History:** Well was completed in the Pictured Cliffs formation in 1972. Perforations are at 2264' - 2322' with 1 1/4" tubing set at 2310'.

---

### **Procedure:**

1. Notify NMOCD 24 hours prior to beginning operations P&A process to ensure scheduling of personnel to witness CBL results and cement placement. (Note: This is a **NMOCD** regulated well)  
**NMOCD: Kelly Roberts (or Charlie Perin) at (505) 334-6178**
2. Perform pre-rig site inspection. Check for: size of location, gas taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, landowner issues, location of pits (buried lines in pits), raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required, have One Call made 48 hours prior to digging.
3. Perform second site visit checking anchors and barriers if needed, and lines are marked to ensure all lines clear marked pit locations if needed and that planning and scheduling had location ready for rig. Discuss and turnover handover sheet with someone from the Operations Team and the Wells Team. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
4. Hold pre-job safety meeting and discuss all JSA's with all BP and third party personnel. The Pre-job safety meeting should cover: heavy lifts, pinch points, location hazards, H2S hazards, pressure hazards, and proper PPE and the Eight Golden Rules. Make sure everyone has performed their LOTO.
5. Move in and spot necessary equipment. Rig up work over rig if weather and time allow.
6. Rig up pump and pit including lines to casing. Ensure rig pit has at least 160 bbls of water available.
7. Slick line will perform their LOTO and JSA. RU slick line unit with a lubricator and BOP. Pressure test lubricator and BOP with well bore pressure. RIH and set two barriers (CIBP, three slip stops and G pack-offs, or plugs set in profile nipples) for isolation in tubing string. Rig down the slick line unit.
8. Install the double casing valves. Blow down well. Kill with fresh water.

9. Recheck casing strings to ensure no pressure exist on any annulus daily. The operations of removal of wellhead and installation of BOPs will be performed under a dispensation for one (1) barrier on the backside.
10. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs per DWOP 20.1.2. Low test should be done at 200 psi and high test to 500 psi. BHP is estimated to be about 100 psi. This is a P&A so the well should be kept dead through-out the procedure. Monitor casing pressure with gauge throughout workover.
11. Screw out the lock down pins (if available). Pull tubing hanger, shut pipe rams and install stripping rubber.
12. POOH and lay down 1 1/4" production tubing currently set a 2310' following BP over-balanced tripping policies. The tubing was installed in 1972 and has 1 1/4" 10RT x 2 3/8" 8RT swage under tubing hanger.
13. PU 2 3/8" workstring and TIH with bit & scraper down 4 1/2" casing to perfs at 2264' to ensure casing is clear and CIBP will set.
14. RIH w/ CIBP and set 50' above perforations +/- 2200'. Load well from the bottom up with fluid and pressure test casing to 500 psig. This will confirm the integrity of the casing and CIBP.
15. Run CBL from CIBP to surface under 500 psi pressure to determine cement top behind 4 1/2" casing. Additional cement work needed to P&A will be determined after CBL has been reviewed. Report CBL results to regulatory agencies and engineer. **The order and detail of the next steps assumes TOC behind 4 1/2" above 215'. In the event that TOC behind 4 1/2" casing is below 215', the engineer will discuss options with the regulator agencies.**
16. RIH w/ 2 3/8" workstring to ~2180' and spot 350' with 50' excess (37 cu.ft.) plug on top of CIBP (+/- 2200') to P&A the PC formations.
17. Spot balanced cement plug between 1268' and 1042' with 50' excess (25 cu ft) plug to cover Ojo Alamo.
18. Spot balanced plug between 265' and surface (~25 cu ft).
19. Perform underground disturbance and hot work permits. Cut off tree. SJS Variance for Ground disturbance policy can be followed to dig 4 ft around wellhead, but location and flow lines must remain bled down.
20. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface.
21. Install well marker and identification plate per <sup>NMOCB</sup>~~DEM~~ requirements.
22. RD and release all equipment. Remove all LOTO equipment.
23. Ensure all reports are loaded into DIMS. Print out summary of work and place in well file. Notify Sherri Bradshaw of completed P&A.

# Current Wellbore



WELL NAME: Lobato GC H 001  
 LOCATION: 1120' FWL 1630' FSL  
 SEC/TWN/RNG Sec 3 T29N R9W  
 COUNTY, ST: San Juan Co., NM  
 WELL TYPE: Gas  
 BP WI: 100.0% NRI: 89.2%  
 BCPD BWPD MCFD

SPUD DATE: 11/23/72  
 RIG REL:  
 COMP DATE: 12/05/72  
 FORMATION: Pictured Cliffs  
 API#: 30-045-21103

MV IP

Lobato GC H 001

## INTERMEDIATE CASING DESIGN

SET @  
 1st Stg CEMENT  
 TAIL IN W/  
 TOC  
 Det. By

## PRODUCTION CASING DESIGN

4 1/2"  
 K-55 9 5#  
 SET @ 2492'  
 CEMENT W/ 425 sx CI-C 50 50 Poz, 6% Gel,  
 2 lb/sx Tuf Plug  
 TAIL IN W/ 75 sx, CI-C neat  
 CMT TOP @ ?  
 DETER. BY circulated

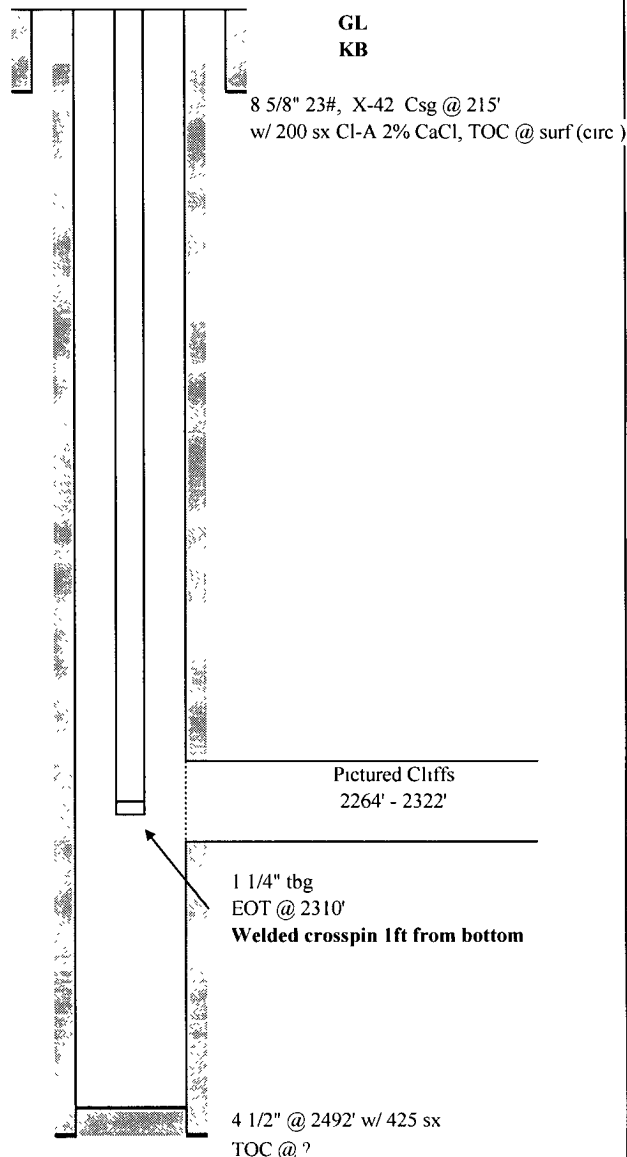
PERF. DATA:	SPF	FORM.
2264-2278	1	PC
2296-2306	1	PC
2312-2322	1	PC

## TUBING DATA

1 1/4" CW-55/N-80 2 3 #/ft  
 10 RT IJ

Note: 1 1/4" 10RT x 2 3/8" EUE 8RT swage under donut

SET @ 2310'  
 PACKER  
 S.N ID / @



## FRAC JOB:

500 gal 15% HCl, 1800 psi breakdown P  
 Sand/Water frac, 31,900 water, 10 lb gel/1000 gal  
 5,000 lbs 20/40, 20,000 lbs 10/20, 6,600 lbs 8/12  
 Screened out

## NOTES:

Bottom joint of production tubing has welded cross pin 1ft from bottom and saw tooth coupling on bottom

Prepared By : Jesse Gracia  
 Date : 10-Sep-09

# Proposed P&A plug Set Program



**WELL NAME:** Lobato GC H 001  
**LOCATION:** 1120' FWL 1630' FSL  
**SEC/TWN/RNG** Sec 3 T29N R9W  
**COUNTY, ST:** San Juan Co., NM  
**WELL TYPE:** Gas  
**BP WI:** 100.0% **NRI:** 89.2%  

BCPD	BWPD	MCFD
------	------	------

**MV IP**

**SPUD DATE:** 11/23/72  
**RIG REL:**  
**COMP DATE:** 12/05/72  
**FORMATION:** Pictured Cliffs  
**API#:** 30-045-21103

Lobato GC H 001

## INTERMEDIATE CASING DESIGN

**SET @**  
**1st Stg CEMENT**  
**TAIL IN W/**  
**TOC**  
**Det. By**

## PRODUCTION CASING DESIGN

**4 1/2"**  
**K-55** 9 5#  
**SET @** 2492'  
**CEMENT W/** 425 sx Cl-C 50 50 Poz, 6% Gel,  
 2 lb/sx Tuf Plug  
**TAIL IN W/** 75 sx, Cl-C neat  
**CMT TOP @** ?  
**DETER. BY** circulated

PERF. DATA:	SPF	FORM.
2264-2278	1	PC
2296-2306	1	PC
2312-2322	1	PC

**TUBING DATA**  
**1 1/4"** CW-55/N-80 2 3 #/ft  
**10 RT UJ**

**Note:** 1 1/4" 10RT x 2 3/8" EUE 8RT swage under donut

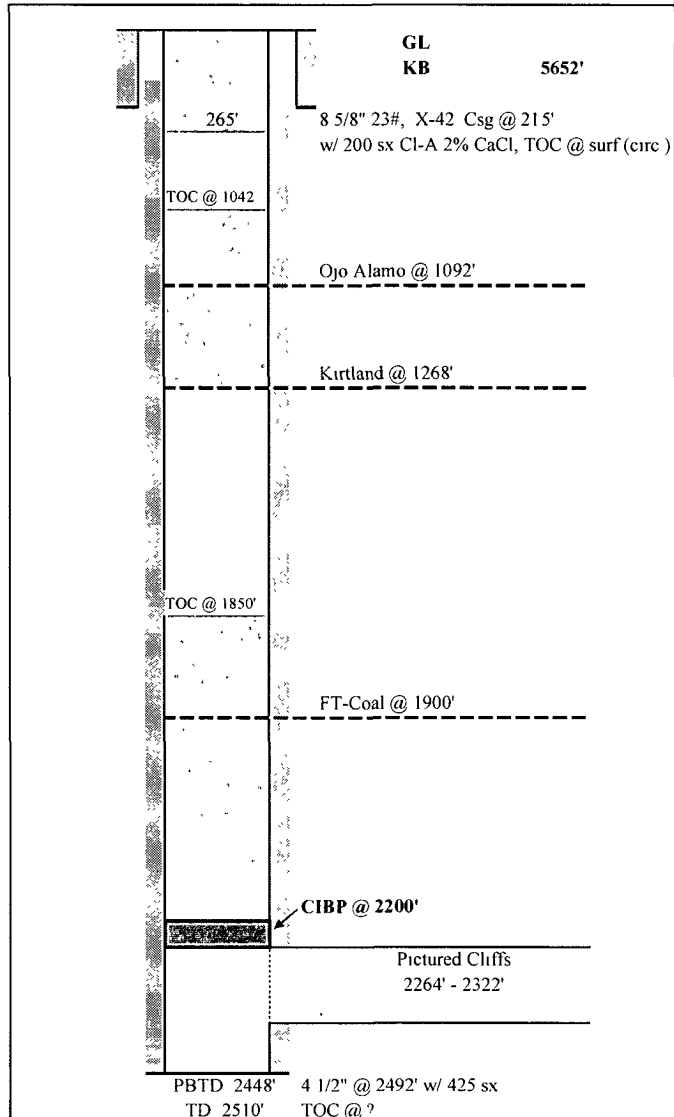
**SET @** 2310'  
**PACKER**  
**S.N ID / @**

## FORMATION TOPS

Ojo Alamo	(est) 1092
Kirtland	(est) 1268
FT-Coal	1900
Ignacio	2075
Cottonwood	2137
Cahn	2245
Pictured Cliffs	2283
Lewis	2490

**Prepared By :** Jesse Gracia

**Date :** 10-Sep-09



## FRAC JOB:

500 gal 15% HCl, 1800 psi breakdown P  
 Sand/Water frac, 31,900 water, 10 lb gel/1000 gal  
 5,000 lbs 20/40, 20,000 lbs 10/20, 6,600 lbs 8/12  
 Screened out

## NOTES:

Bottom joint of production tubing has welded cross pin 1ft from bottom and saw tooth coupling on bottom

## Capacity of 4 1/2" casing

0.0912 ft3/ft

0.0162 bbl/ft

## Capacity of 2 3/8" tubing

0.00387 bbl/ft