

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.
NMNM013860A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RUSSELL LS 69. API Well No.
30-045-20129-00-S110. Field and Pool, or Exploratory
BLANCO PICTURED CLIFFS11. County or Parish, and State
SAN JUAN COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP AMERICA PRODUCTION CO.

Contact: CHERRY HLAVA

E-Mail: hlavac@bp.com

3a. Address

200 ENERGY COURT
FARMINGTON, NM 87401

3b. Phone No. (include area code)

Ph: 281-366-4081

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

Sec 25 T28N R8W SWSW 890FSL 1090FWL
36.62770 N Lat, 107.63764 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 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.)

BP finds no further up hole potential for the above mentioned well and respectfully request permission to P&A the entire wellbore per attached plugging procedure.

**H₂S POTENTIAL EXIST**

RCVD JUN 30 '10

OIL CONS. DIV.

DIST. 3

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

**Electronic Submission #88401 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO., sent to the Farmington
Committed to AFMSS for processing by STEVE MASON on 06/25/2010 (10SXM0225SE)**

Name (Printed/Typed) CHERRY HLAVA

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/24/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By STEPHEN MASON

Title PETROLEUM ENGINEER

Date 06/25/2010

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 ******NMOC**



BP - San Juan Plugging Procedure

Russell LS 6

General Information:

Formation:	Picture Cliffs	Job Objective:	P&A wellbore
Project #:		Date:	6/23/10
Intervention Engineer:	Trevor McClymont	p. 281.366.1425	c. 701-770-6879
Base Management Engr:	Nona Morgan	p. 281.366.6207	
Production Team Leader	Kenny Anderson	p. 505.326.9495	
GCU Optimizer:	Butch Stavely	p. 505-793-9438	

Well Information:

API Number:	30-045-20129-00
BP WI:	100%
Run #:	
Lease FLAC:	
Well FLAC:	
Surface Location:	Unit M - Sec 25 - T28N - R08W
GPS Coordinates	lat 36.62759 long 107.63763
Meter #	75707
Cost Center:	
Compressed (Y/N):	N
Restrictions:	No
Regulatory Agency:	BLM / NMOCD

Production Data:

Tubing Pressure:	N/A
Casing Pressure:	118
Line Pressure:	126
Pre-rig Gas Rate:	<10 mcf/d
Anticipated Uplift:	P&A
Water Rate:	N/A
CO2 (%):	0.286
H2S (PPM):	0
Gas BTU:	1152
Specific Gravity	.6499
Artificial Lift Type:	Plunger

Basic Job Procedure:

1. Set CIBP @ 2310'
2. Pressure test 2-7/8" casing
3. Load hole with water. (Wait 24-48 hours for air/gas to separate.)
4. Run CBL
5. Cement 2310' to 1900' (CBL dependent)
6. Cement over Kirtland and Ojo Formations (1650' – 1290') inside and outside 2-7/8"
7. Perf @ 195' and cement surface plug from 195' to surface inside and outside 2-7/8".

Well History:

Spud Date 8-1967

Operator Change 1-2002

Well servicing – No well servicing on file, in DIMS, or in OpenWells

Safety and Operational Details:

ALL work shall comply with DWOP and E&P Defined Operating Practice.

Standard Location Work:

1. Notify BLM (505) 599-8907 & NMOCD (505) 334-6178 x 16 24 hours prior to beginning operations P&A process to ensure scheduling of personnel to witness CBL results and cement placement.
2. Perform pre-rig site inspection, size of location, gas taps, other wells, other operators, running equipment, wetlands, wash, H2S barriers if needed for equipment. Landowner issues, buried lines in pits, raptor nesting, critical location, check anchors. Check ID wellhead, determine if equipment is acceptable or obsolete, and replace if necessary, if digging is required have One Call made 48 hours. Follow ground disturbance policy.
3. Perform second site visit, checking anchors and barriers if needed. Ensure lines are marked so that they clearly designate pit locations. Discuss and turnover handover sheet with someone from operations team and wells team. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.

Coil Procedure:

4. Hold pre-job safety meeting and discuss JSA with everyone on location. JSA should cover: heavy lifts, pinch points, location hazards, pressure hazards, proper PPE and 8 golden rules of safety/IIF. Make sure everyone has performed their LOTO and knows they have the right to stop the job.
5. Check and record casing pressure, intermediate, and Bradenhead pressures. Record all pressures into OpenWells. Notify engineer if Bradenhead pressures exist. Check gas H2S content and treat if the concentration is > or equal to 10 ppm.
6. MIRU Service rig and equipment.
7. Make certain double casing valves are installed. Spot and lay 3" line and tank. Blow down well to blow down tank that has at minimum twice the capacity of the wellbore. Well bore capacity is equal to 15 barrels. Need 30 barrel blow down tank as a minimum.
8. Ensure no gauge pressure on wellhead.
9. Move in Wireline unit, equipment and crew. Be sure to fill out necessary work orders. Wireline must perform LOTO and JSA. RU unit with wireline lubricator and BOP. Pressure test lubricator and BOP to 250 psi for 5 minutes and 500 psi full test. Chart results and record passing test in OpenWells.
10. RU e-line. Run gauge ring down to top of perforation to ensure wellbore is clear and CIBP will set.
11. RIH with CIBP and set 50' above perforation +/- 2310'.
12. Load well with fluid and pressure test casing to 500 psig and hold undisturbed at 500 psig for 30 minutes. This will confirm integrity of casing and is in line with DWOP Section 24.1 "Working with Pressure". Chart results and record passing test in OpenWells.
13. Relieve pressure to blow down tank and allow for sufficient time for air/gas to separate in well bore to assure accurate CBL readings.
**Wait 48-72 to allow air/gas to separate from wellbore to ensure good CBL*
14. Run CBL tool to confirm top of cement (TOC). Report TOC to Engineer and regulatory agency representatives. Contact engineer to discuss steps forward.
**The order and detail of next steps are subject to change based on results of CBL. Procedure assumes Ojo Alamo Zone is sufficiently covered by cement.*
15. Rig down e-line unit

16. 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, pressure hazards, and proper PPE.
17. MIRU Coil-tubing unit
18. RU CTU.
19. Under DWOP 15.5.1 a risk assessment must be conducted for use of coil tubing using threaded connection. That assessment is being coordinated by the Houston office and the following steps should be taken to mitigate risks:
 - i. Ensure sufficient kill fluid is available on location (15 bbl)
 - ii. Visually inspect threaded connections for damage or leaks
 - iii. Check vertical alignment of CT BOP stack and wellhead to minimize stress on wellhead connections
 - iv. Ensure extra fittings and connections are available and have been shop tested
 - v. Rig up kill line to BOP stack for well control in case of threaded connection failure.
20. Fully function and pressure test BOP's to 250-psi low-pressure test, 1000-psi high-pressure test. Dual flapper check valves should be run above BHA. If dual flapper check valves are not used a detailed and current assessment of risks, mitigations and contingency responses should be refer to, or a local standard operating practice.
21. RIH with coil-tubing to 2310' +/- and spot balanced cement plug of 410' (~2.4 bbls) of G-Class cement inside 2-7/8" casing from 2310' – 1900'. This will cover the Picture Cliff and Fruitland Coal.
 Capacity of 2 7/8" : 0.0325 ft³/ft
 Plug 2310' – 1900' → 410' → **13.3 ft³**
22. POOH with coil to 1650'. Spot a density balanced cement plug of 360' (~2.1 bbls) from 1650' to 1290' inside 2 7/8" casing. This isolates the Ojo Alamo and Kirtland formations. POOH with coil.
 Capacity of 2 7/8" : 0.0325 ft³/ft
 Plug 1650' - 1290' → 360' → **11.7 ft³**
23. Move in Wireline unit, equipment and crew. Be sure to fill out necessary work orders. Wireline must perform LOTO and JSA. RU unit with a lubricator with pump in sub that can accommodate perf gun.
24. RIH with perforating gun and perforate the 2-7/8" at 194-195. (1.56" perforating guns with 6spf, 60° phasing charges)
25. POOH, rig down wireline
26. RU pump truck. Establish circulation with water. Once circulation is established, pump and circulate cement **24.1 ft³** cement from 195' to surface' behind 2-7/8" casing (4.3bbls). Pump **6.3 ft³** cement from 195' to surface inside of casing (0.8 bbls) This will place cement around the bottom of the 8-5/8" surface casing shoe to surface and both inside and behind the 2-7/8" casing.
 Capacity of 2 7/8" x 6 3/4" -- 0.2034 ft³/ft - OH
 Plug 195' -144 → 51' → **10.3 ft³**
 Capacity of 2 7/8" x 8 5/8" -- 0.3125 ft³/ft - annulus
 Plug 144' -surface → 44' → **13.8 ft³**
 Capacity of 2 7/8" -- 0.0325 ft³/ft - inside
 Plug 195 - surface → 195' → **6.3 ft³**
 Total Plug → **30.4 ft³**
27. Perform underground disturbance and hot work permits. Cut off tree.
28. If cement cannot be seen on all annulus and casing strings remedial cementing will be required from surface. Watch for cement fall back or seepage. All annulus and casings must be full of cement with no fall back prior to installing abandonment marker.

29. Install well marker and identification plate per regulatory requirements.

BP American Production Co.
Russell LS 006
API 30-045-20129
Unit letter M, Sec 25, T28N, R08W
890 FSL, 1090 FWL
San Juan, NM
Picture Cliffs Formation
Federal Lease number: NM 013860-A
P&A date - TBD

30. RD and release all equipment.

31. Ensure all reports are loaded into OpenWells. Print out summary of work and place in well file. Notify Sherri Bradshaw (505-326-9260) and Cherry Hlava (281-366-4081) of completed P&A

Current Well Bore Diagram



Russell LS 006 - PC
 Farmington Sand/Pictured Cliffs
 API # 30-045-21271
 Unit N - Sec 31 - T31N - R09W
 San Juan County, New Mexico

History

Spud Date: 08/18/1967

Operator Change 1-2002

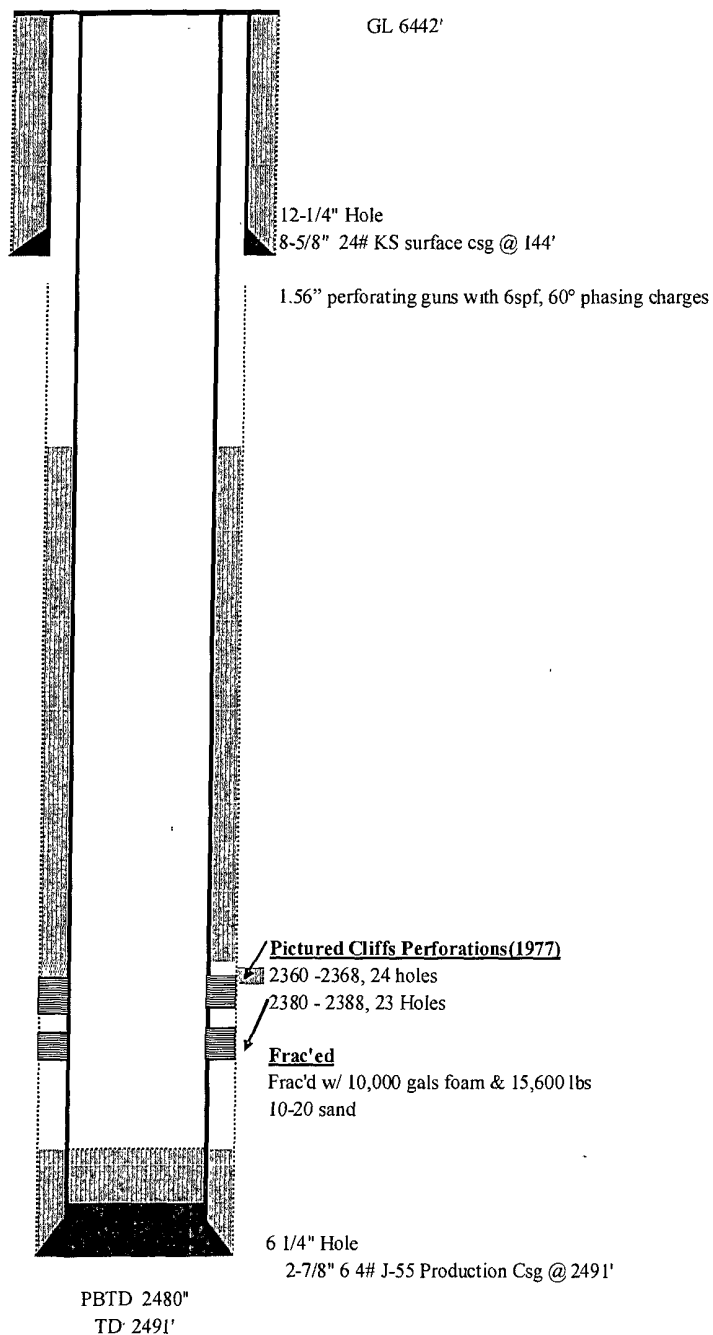
Well servicing - No well servicing on file,
 in DIMS, or in OpenWells

Formation Tops

Ojo Alamo	1394
Kirtland	1550
Fruitland	2000
Pictured Cliffs	2331

Hole Deviation

Depth	Degree
1070	0.75
1571	0.75
2470	0.75



THM (06 23 2010)

Proposed Well Bore Diagram



Russell LS 006 - PC -
 Farmington Sand/Pictured Cliffs
 API # 30-045-20129
 Unit N - Sec 31 - T31N - R09W
 San Juan County, New Mexico

History

Spud Date 08/18/1967

Formation Tops

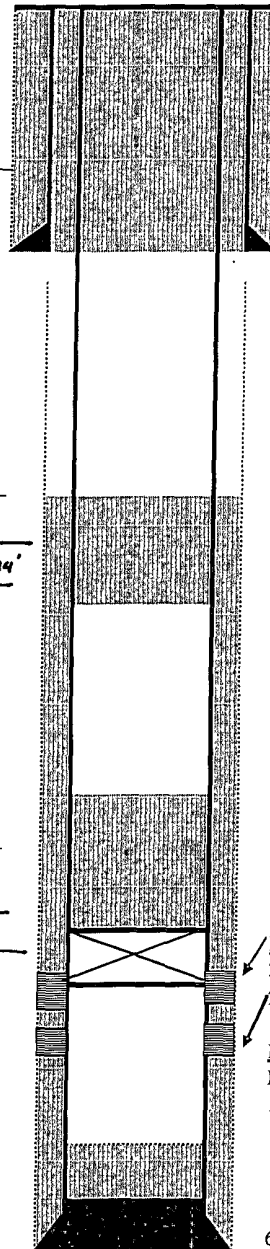
Ojo Alamo
 Kirtland
 Fruitland
 Pictured Cliffs

1414
~~1394~~
 1552
 2070
 2330
 Ojo Alamo
 Kirtland

Surface Plug
 195' - Surface
 30.4ft³
 5.4 bbls

2nd Plug
 1650' - 1290'
 11.7 ft³
 2.1bbls
 1489'

2nd Plug
 2310' - 1900'
 13.3 ft³
 2.4bbls
 Fruitland
 Pictured Cliffs
 2070'
 2330'



GL 6442'

12-1/4" Hole
 8-5/8" 24# KS surface csg @ 144'

1.56" perforating guns with 6spf, 60° phasing charges

$$\begin{aligned} 194 / 30.771 &= 6.3 \\ 50 / 5.9539 &= 8.4 \\ 144 / 3.2 &= 45 \\ &59.7 \text{ ft}^3 \end{aligned}$$

TOC 1200' TS

$$\text{plug } 1650 - 1290 / 30.771 = 11.7 \text{ ft}^3$$

$$2310 - 1900 / 30.771 = 13.3 \text{ ft}^3$$

Pictured Cliffs Perforations(1977)

2360 - 2368, 24 holes
 2380 - 2388, 23 Holes

Frac'ed

Frac'd w/ 10,000 gals foam & 15,600 lbs
 10-20 sand

6 1/4" Hole
 2-7/8" 6 4# J-55 Production Csg @ 2491'

PBTD: 2480"
 TD: 2491'

THM (06 23 2010)